

## **APPENDIX 1 COMPILATION OF HISTORICAL MAPS**

# HISTORICAL LAND USE REVIEW

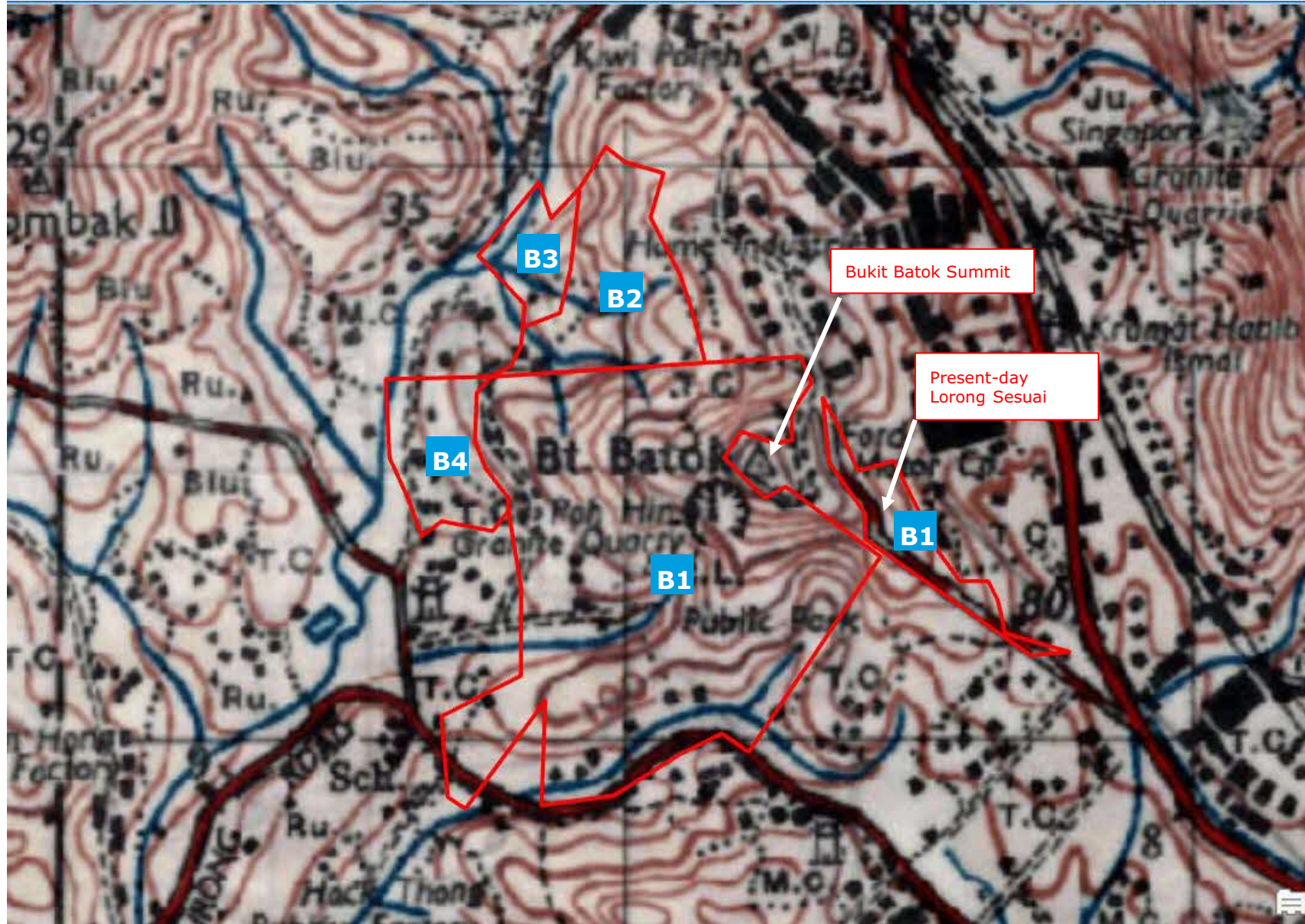
# HISTORICAL LAND USE REVIEW

The following sources of information were reviewed:

- National archives from the National Archives of Singapore  
<https://www.nas.gov.sg/archivesonline/>
- Information from National Library Board  
<https://eresources.nlb.gov.sg/main>
- Historical Maps of Singapore, digitised by the Department of Geography, NUS <https://libmaps.nus.edu.sg/>
- Historical maps published by SLA OneMap  
<https://www.onemap.gov.sg/hm/>
- Google Earth historical satellite images
- Review of other publicly available sources (i.e., blogs, etc.)

# **HISTORICAL LAND USE REVIEW – AREA B**

# STUDY AREA B (1953)



## Area B1

- The present-day Lorong Sesuai is evident
- The Poh Hin/Poh Kim Granite Quarry is evident at the western side of Bukit Batok (Hill 345)
- The quarry started operations in the 1940s
- Southern part of B1 was marked as a public park

## Areas B1, B2, B3 and B4

- Scattered structures, likely kampongs and roads are evident at areas around the quarry

## STUDY AREA B (1963)



### Area B1

- The present-day Lorong Sesuai remained evident at Area B1

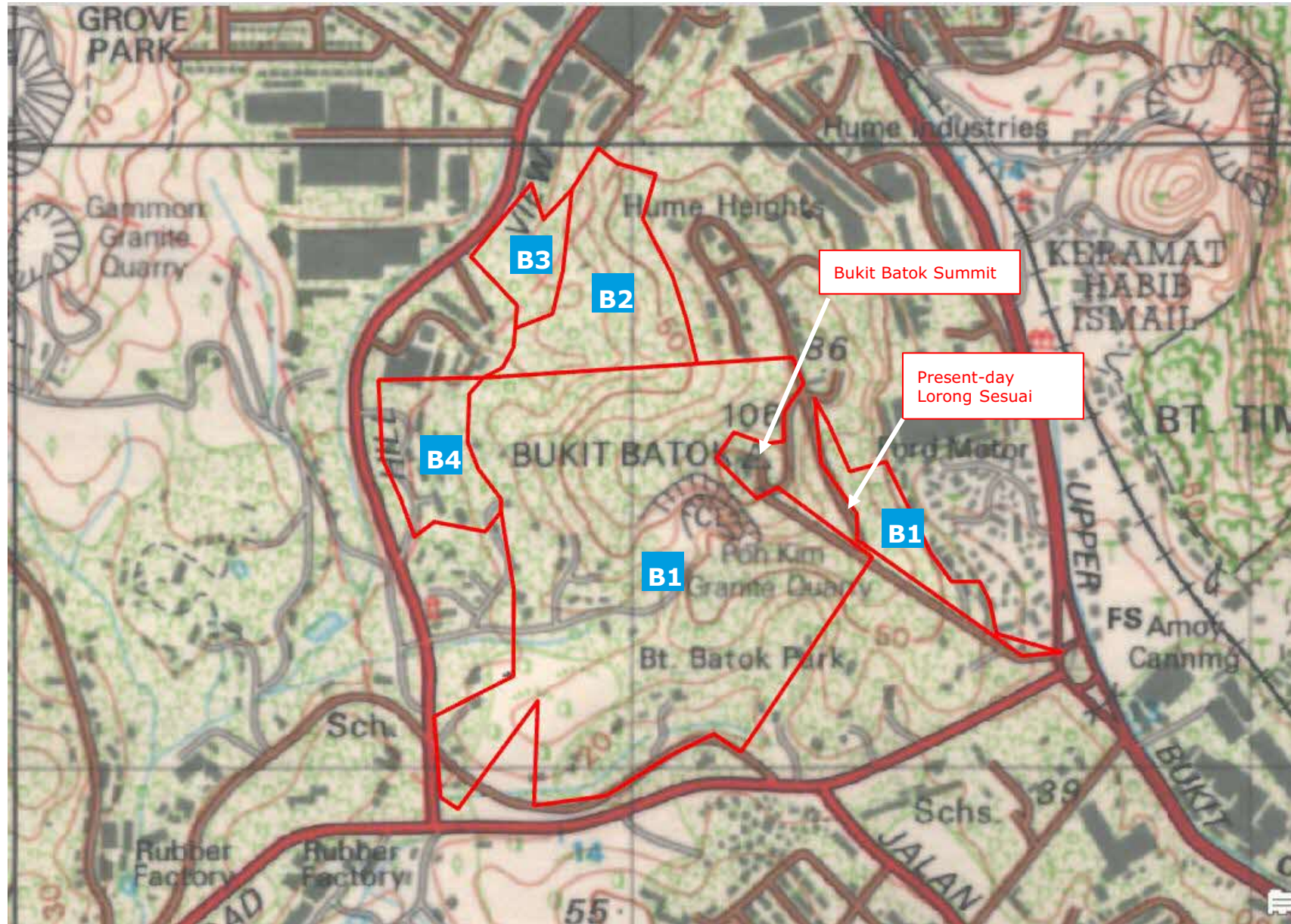
### Areas B1, B3 and B4

- Access road were evident

### Areas B1, B2, B3 and B4

- Scattered structures, likely kampongs remained evident at areas around the quarry

# STUDY AREA B (1975)



## Area B1

- The present-day Lorong Sesuai appeared to have been re-aligned

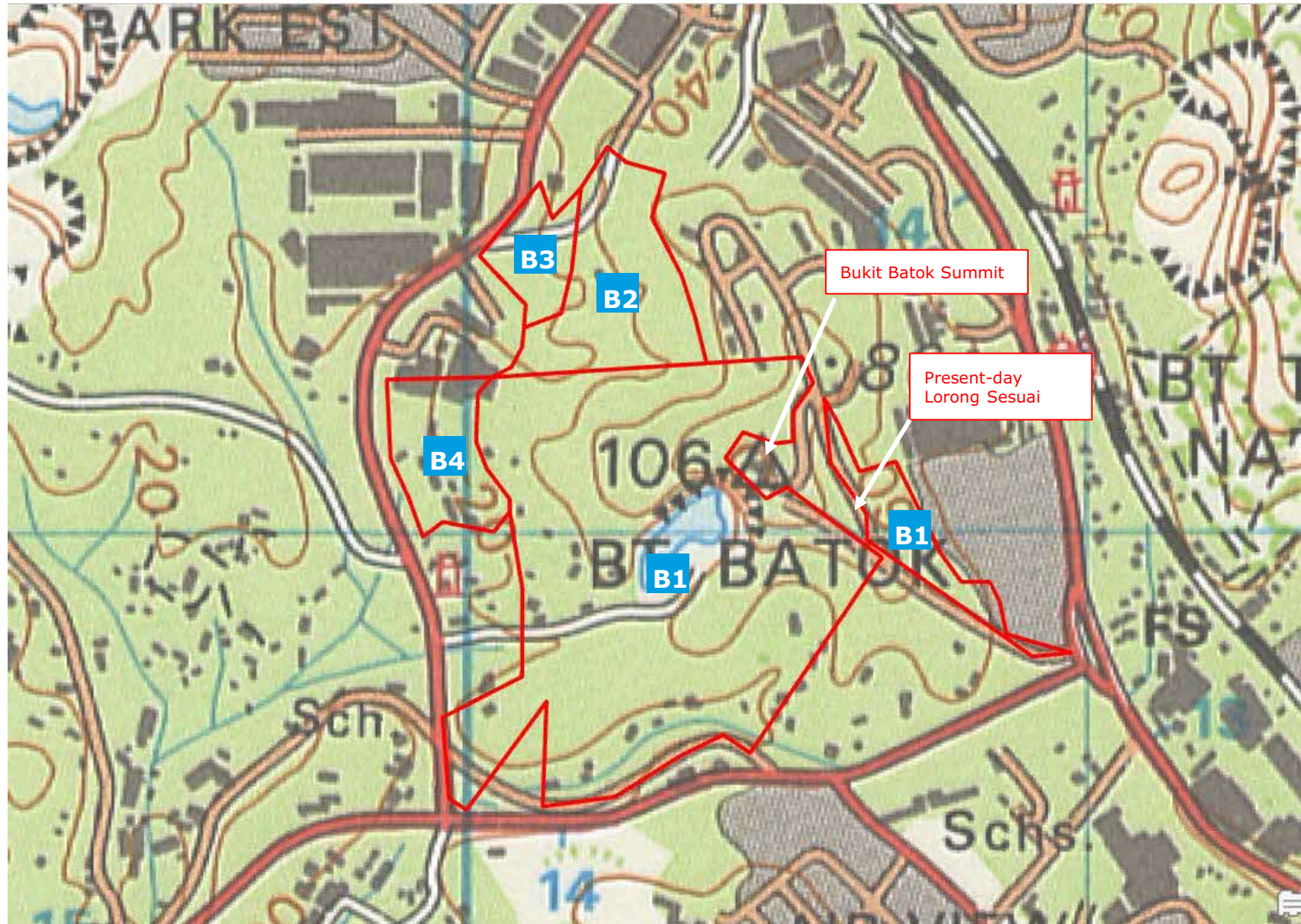
## Areas B1 and B4

- More access roads were evident, leading towards the quarry

## Areas B1, B2, B3 and B4

- Scattered structures, likely kampongs remained evident at areas around the quarry
- Most of the areas were covered by sundry tree cultivation
- Southwestern corner of Area B1 was covered by shrubs/lalangs

## STUDY AREA B (1983)



- Area B and surroundings generally remained unchanged
- The quarry ceased operations sometime between late 1970s and early 1980s

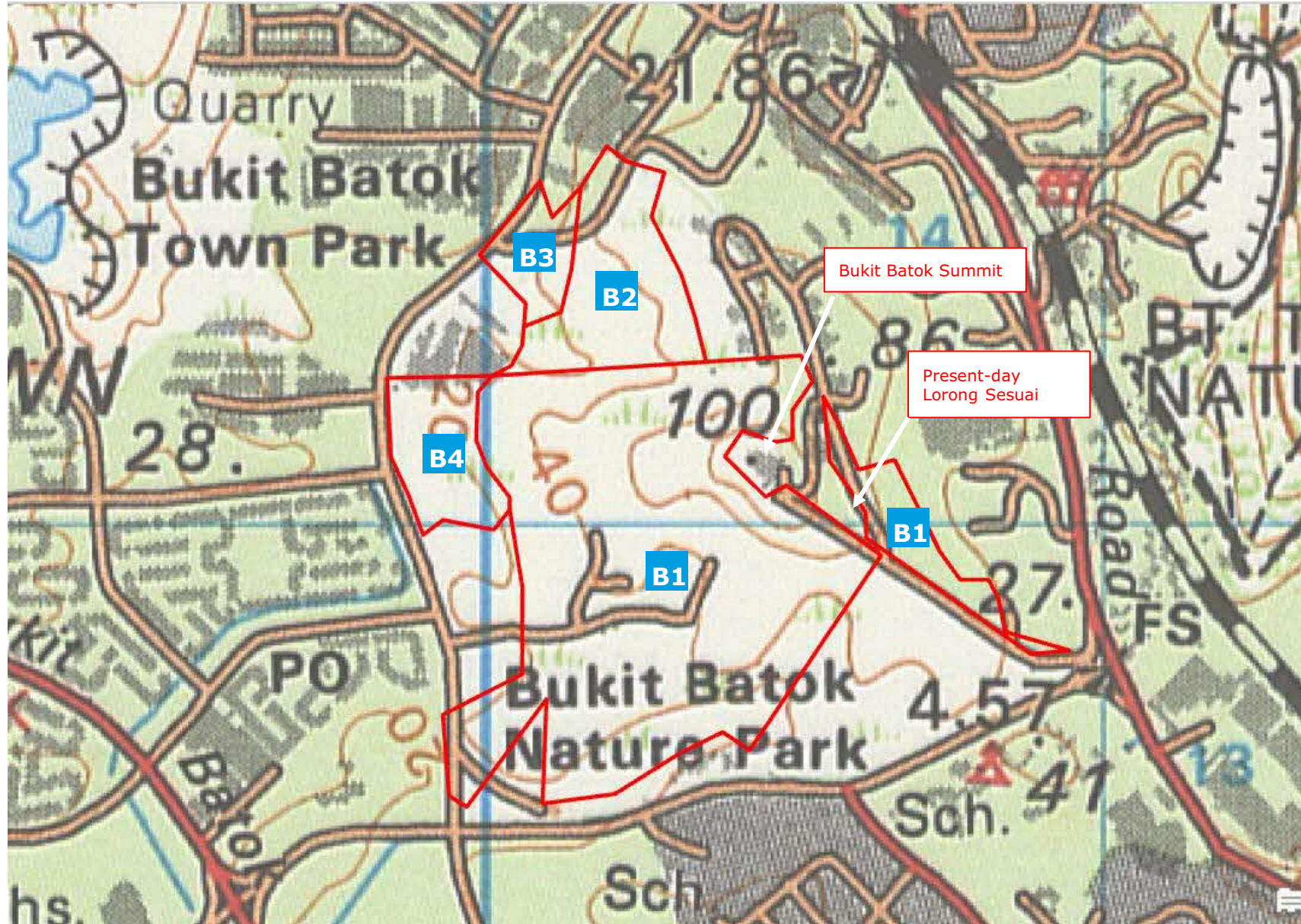


## STUDY AREA B – POH KIM/POH HIN GRANITE QUARRY



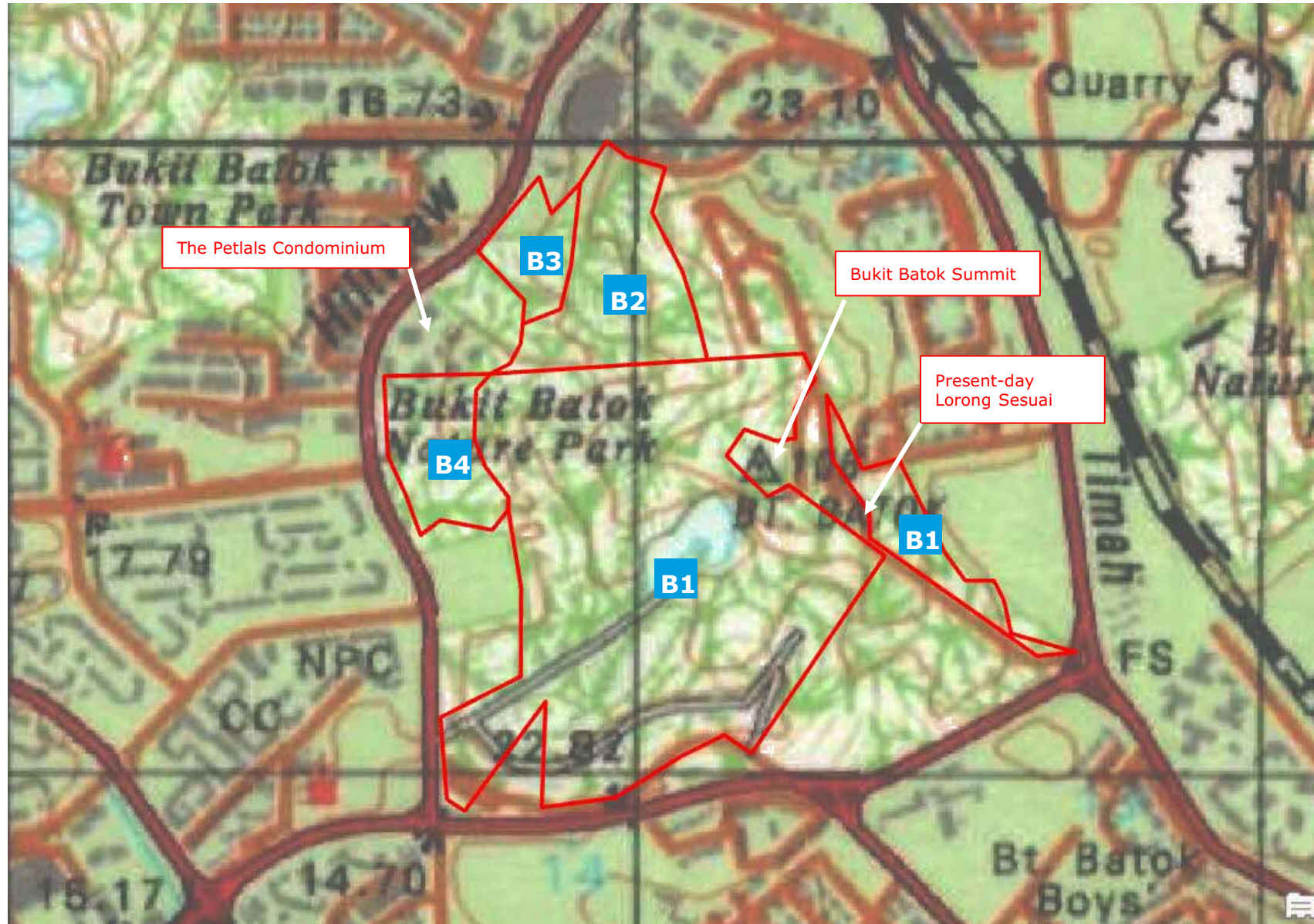
- An overview of the Poh Kim/Poh Hin Granite Quarry, located at the base of Bukit Batok Hill. Photo taken in 1980

## STUDY AREA B (1993)



- The site was mostly marked as grassland
- The disused quarry was subsequently converted to the Bukit Batok Nature Park in 1988
- The clustered structures were no longer evident
- Site surroundings generally remained unchanged

## STUDY AREA B (2005)



- Study Area B was marked as a park
- Access roads were evident towards the southwestern corner to Area B1
- The Petlals Condominium, which occupies part of the northern portion of Area B4, was constructed in 2002

# STUDY AREA B (2009)



- Area B and surroundings generally remained unchanged

## STUDY AREA B (2010)



- Area B and surroundings generally remained unchanged

# STUDY AREA B (2019)



- Area B and surroundings generally remained unchanged

# HISTORICAL LAND USE REVIEW – AREA C

# STUDY AREA C1 AND C2 (1948)



## Area C1

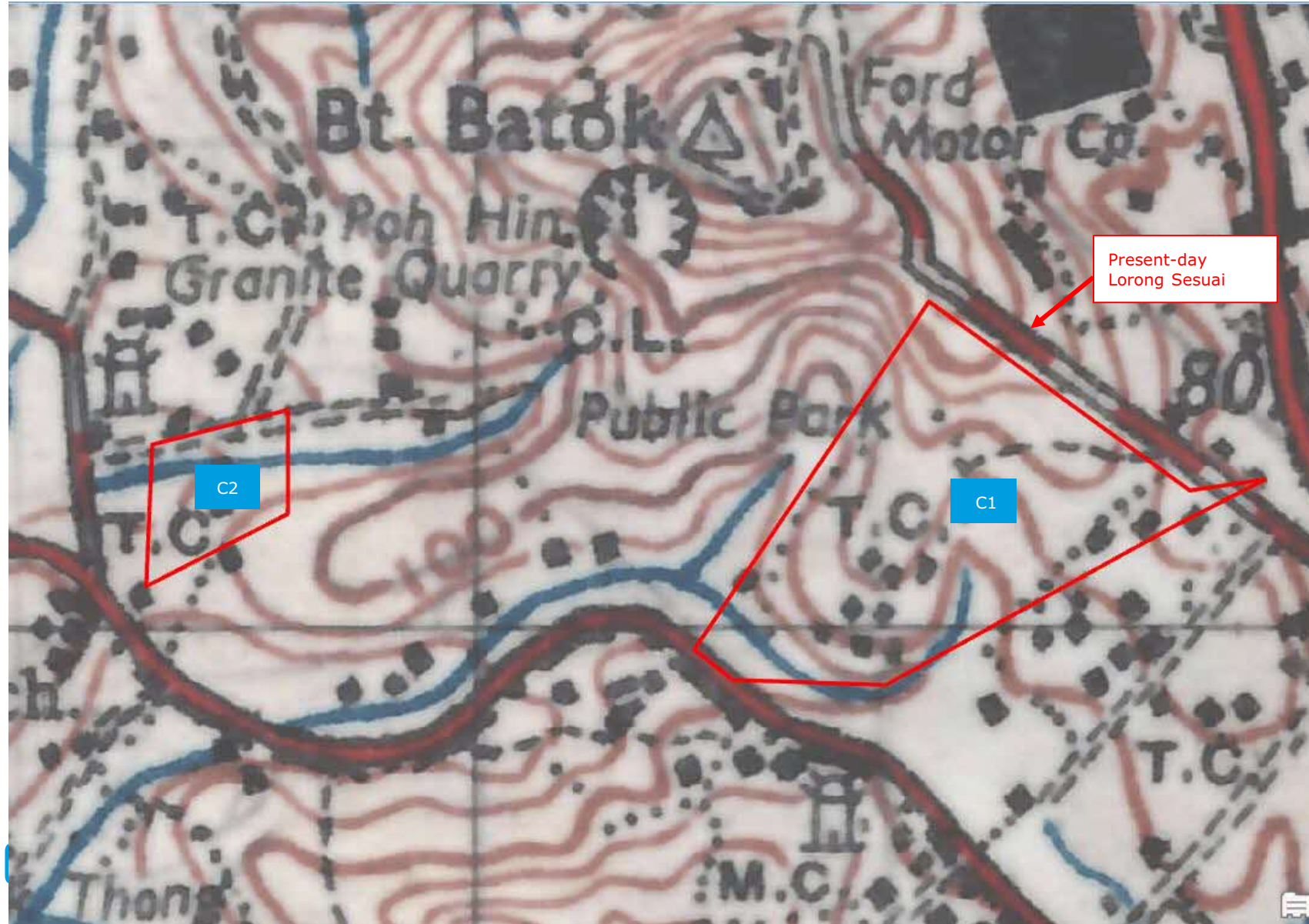
- Clustered structures, appeared to be houses and roads are evident at the centre-south of Area C1
- The present-day Lorong Sesuai, leading towards the Bukit Batok Summit is located along the northeastern boundary of Area C1

## Area C2

- Scattered structures, likely kampongs and roads observed with Area C2



# STUDY AREA C (1953)



## Area C1

- Site surroundings generally remained unchanged
- The surrounding areas were designated T.C. which indicates that it was used for Tree Cultivation – Unclassified and Mixed

## Area C2

- Site surroundings generally remained unchanged
- The surrounding areas were designated T.C. which indicates that it was used for Tree Cultivation – Unclassified and Mixed

## STUDY AREA C (1963)



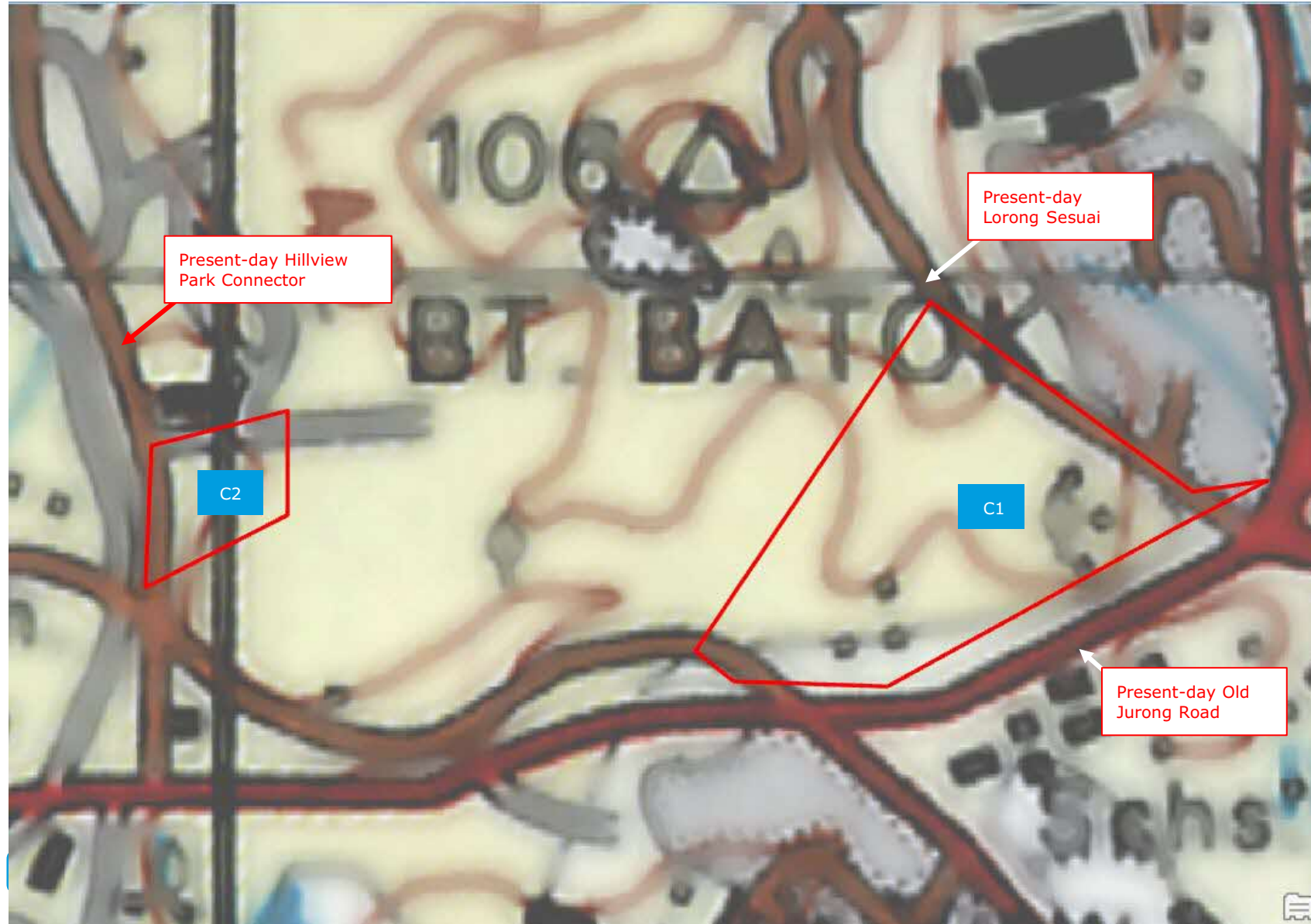
### Area C1

- Site surroundings generally remained unchanged

### Area C2

- The scattered structures previously observed in the 1953 top plan are no longer evident

# STUDY AREA C (1974)



## Area C1

- Site surroundings generally remained unchanged
- The present-day Old Jurong Road is evident along the southern boundary of Area C1

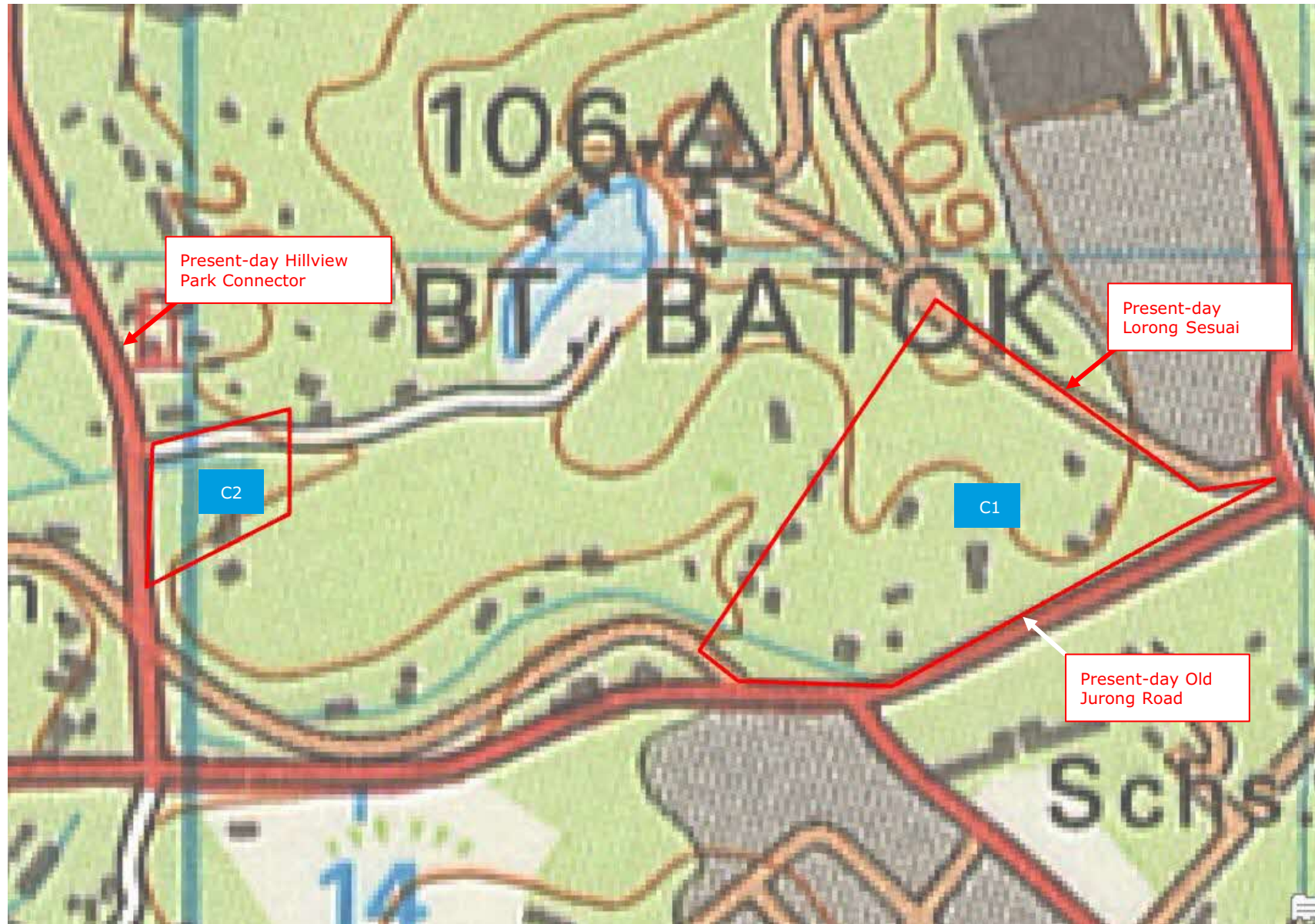
## Area C2

- A new road (the present-day Hillview Park Connector) is evident along the western boundary of Area C2

## Areas C1 and C2

The Poh Hin quarry ceased operations in the late 1970s

# STUDY AREA C (1983)



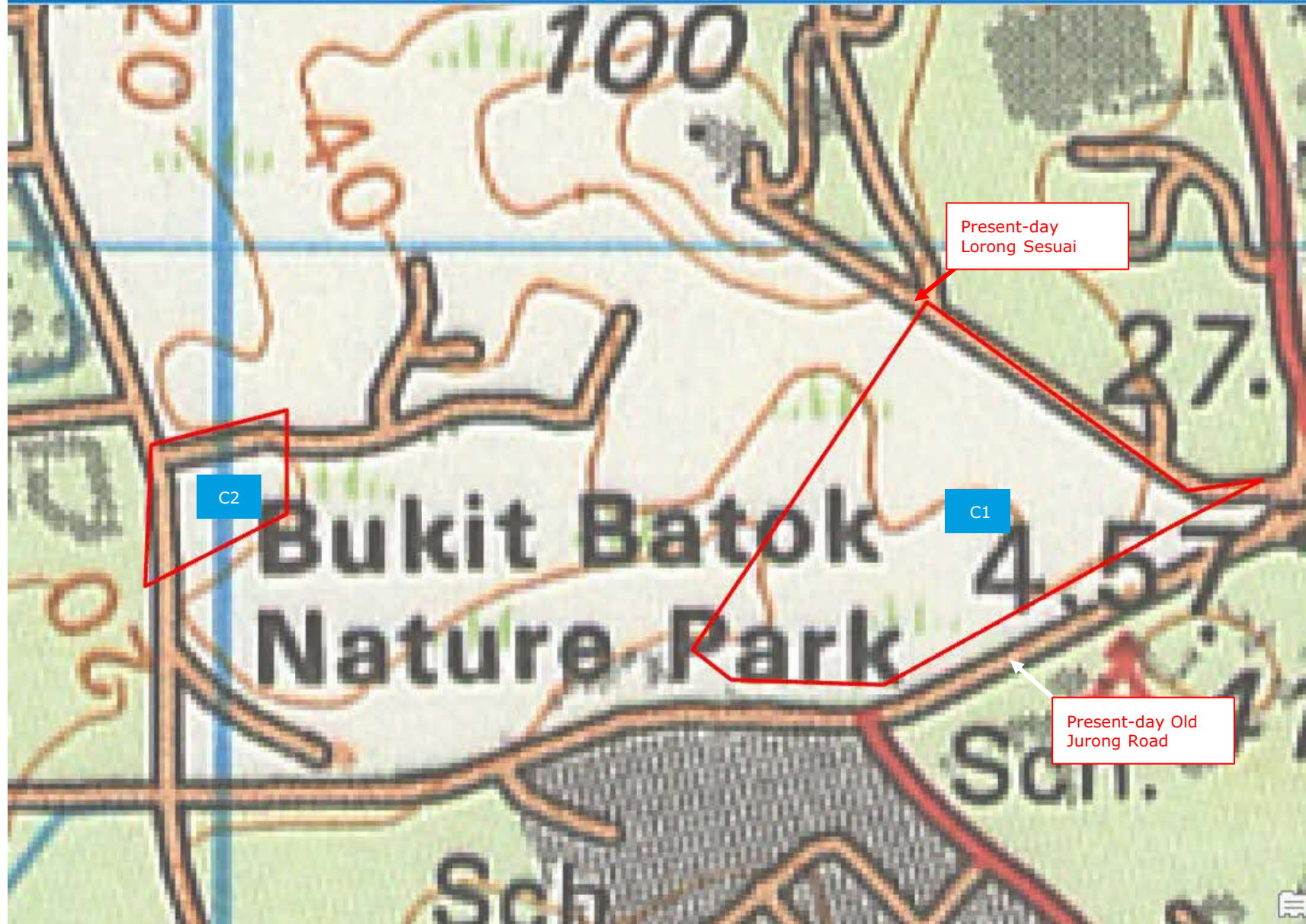
## Area C1

- More clustered structures were evident towards the northwestern boundary of Area C1

## Area C2

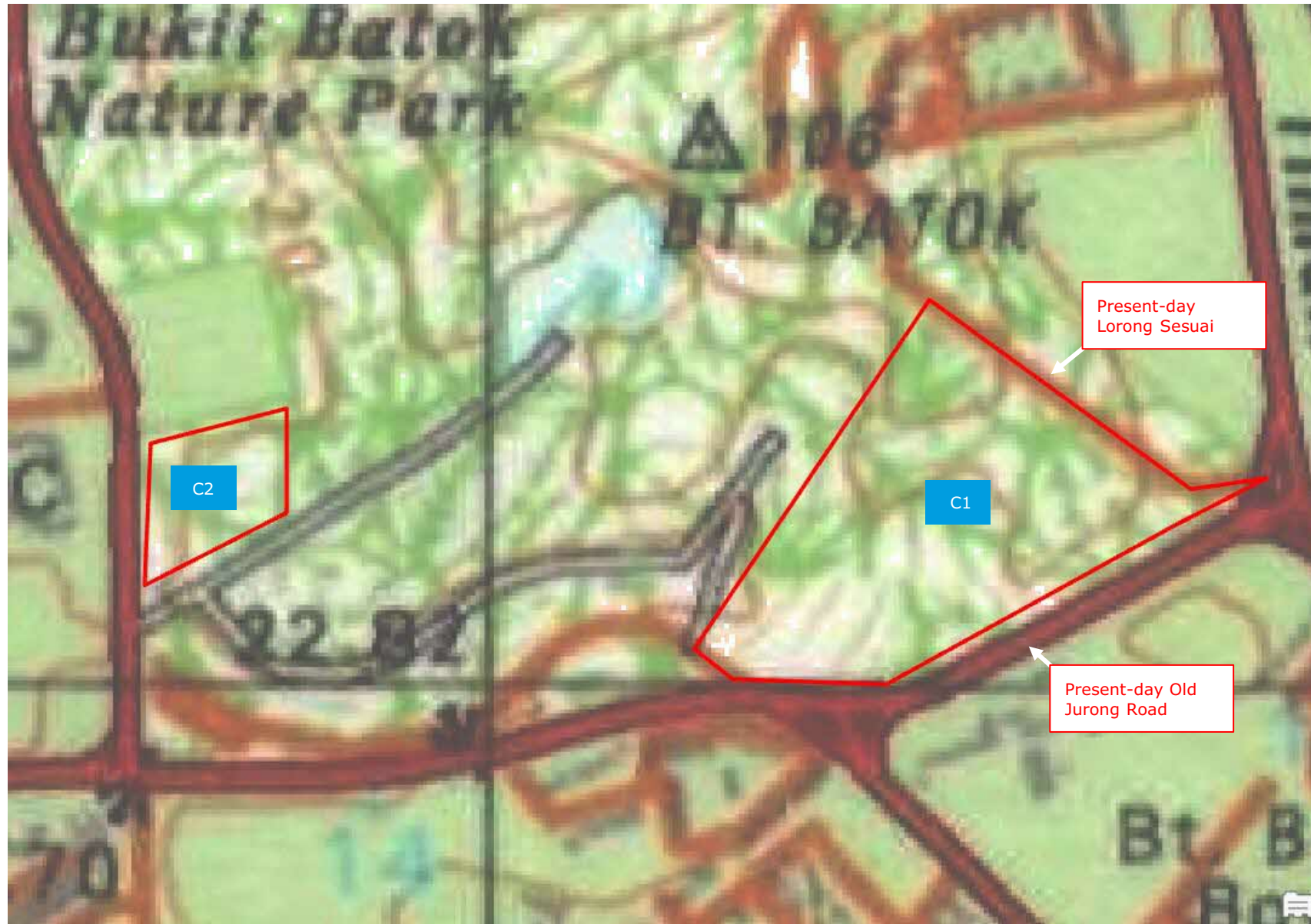
- Site surroundings generally remained unchanged

## STUDY AREA C (1993)



- Site surroundings generally remained unchanged
- Area C1 and C2 were mostly marked as grassland
- The area was subsequently converted to the Bukit Batok Nature Park in 1988
- The scattered / clustered structures at C1 and C2 were no longer evident

## STUDY AREA C (2005)



### Area C1

- Access road was evident towards the northwestern boundary of C1

### Area C2

- The precious access road running across Area C1 (west-east) were no longer evident
- A new road was evident to the south of Area C2, leading towards the quarry lake

### Areas C1 and C2

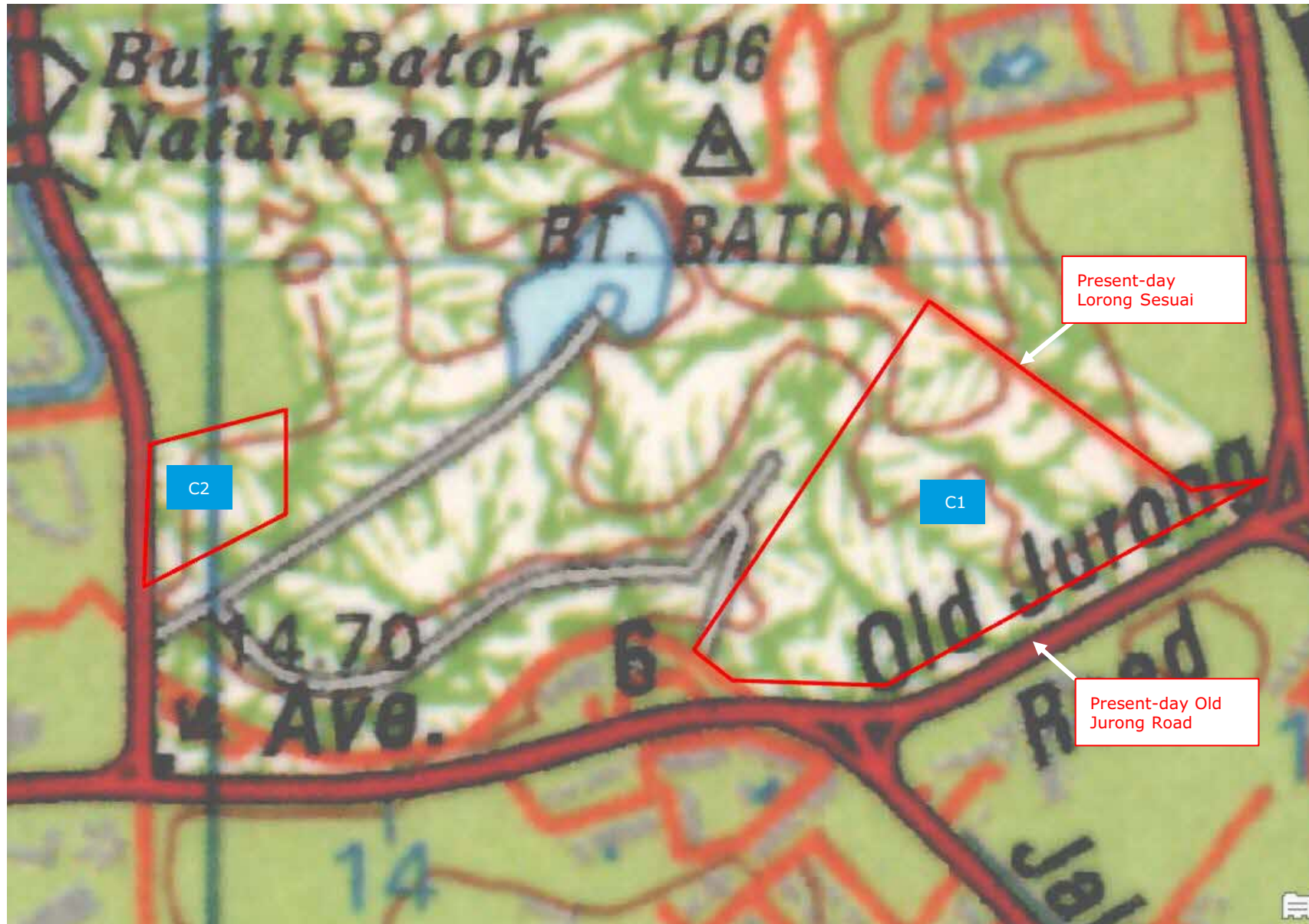
- Both Area C1 and C2 were marked as a park

# STUDY AREA C (2009)



- Site surroundings generally remained unchanged

## STUDY AREA C (2010)



- Site surroundings generally remained unchanged



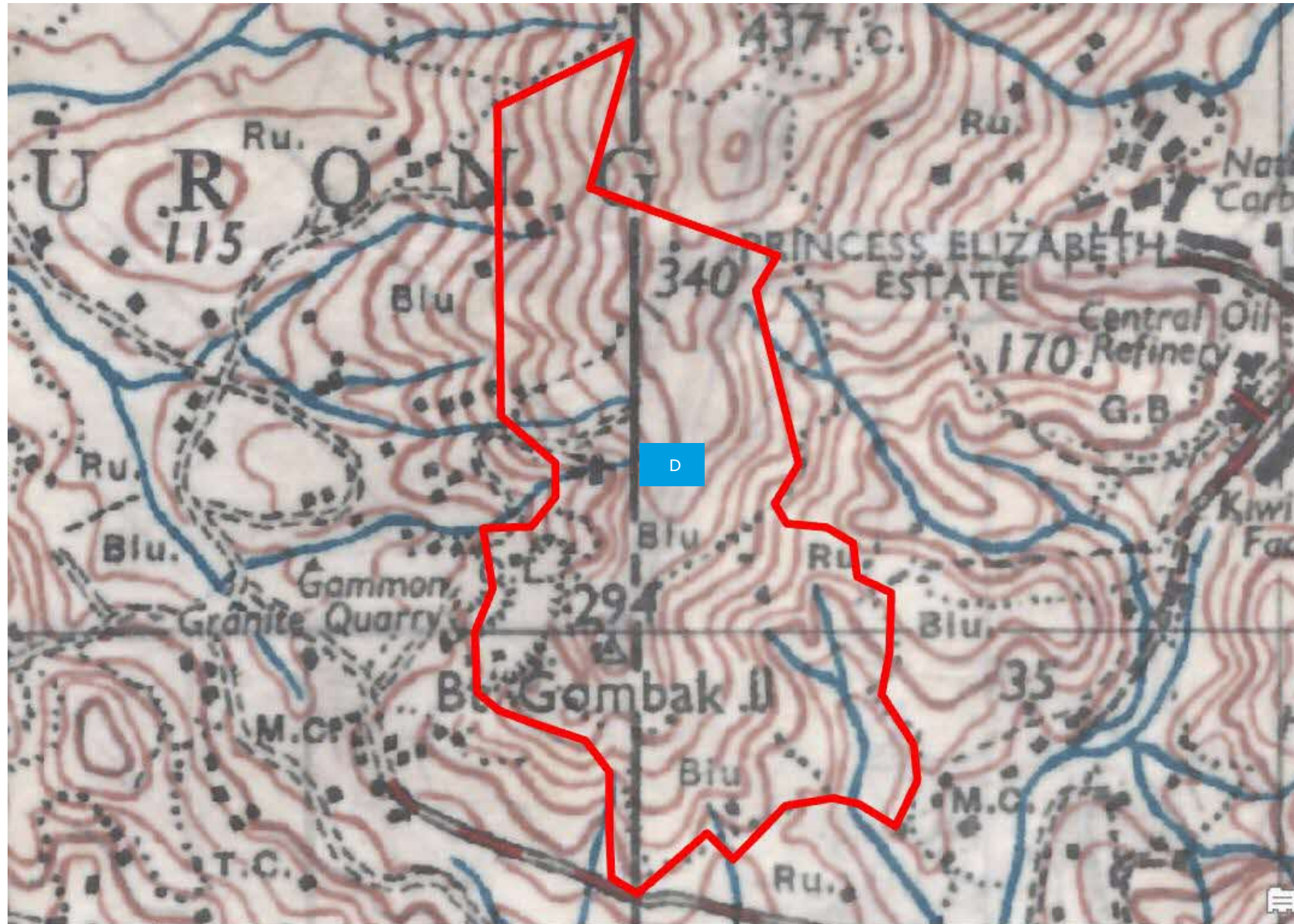
# STUDY AREA C (2019)



- Site surroundings generally remained unchanged

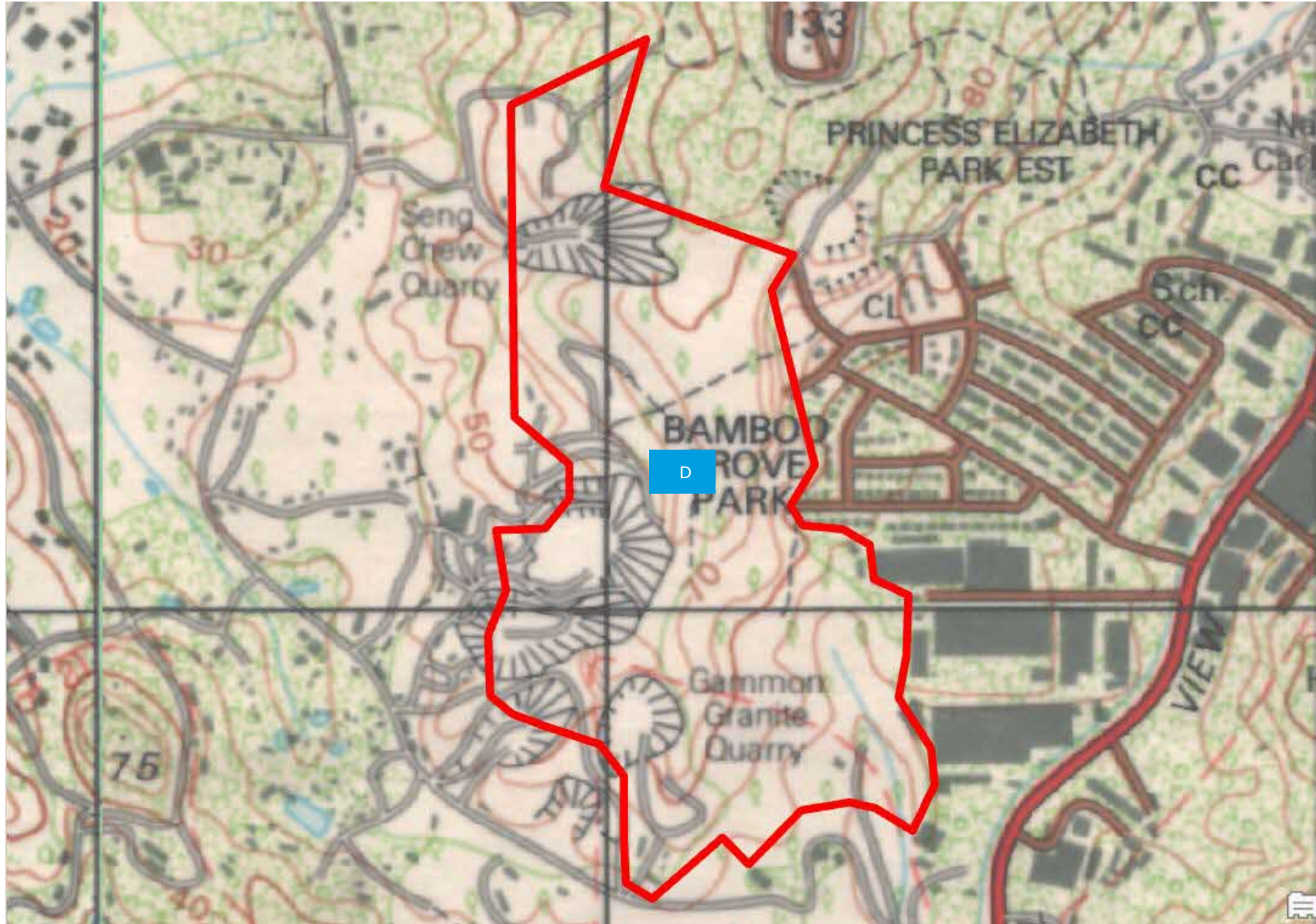
# HISTORICAL LAND USE REVIEW – AREA D

## STUDY AREA D (1953)



- The Gammon Granite Quarry (known as Little Guilin today) is evident towards the southwestern portion of Area D
- The quarry most likely had started operations in the 1940s
- Scattered structures, likely kampongs and roads were observed
- The remaining areas were generally covered by belukar (bushes) and rubber cultivations

## STUDY AREA D (1975)



- The Seng Chew Quarry to the north of Area D is present; it ceased operations in the 1970s
- The Bamboo Grove Park, a private residential development completed in 1968, was evident to the east of Area D

## STUDY AREA D (1983)



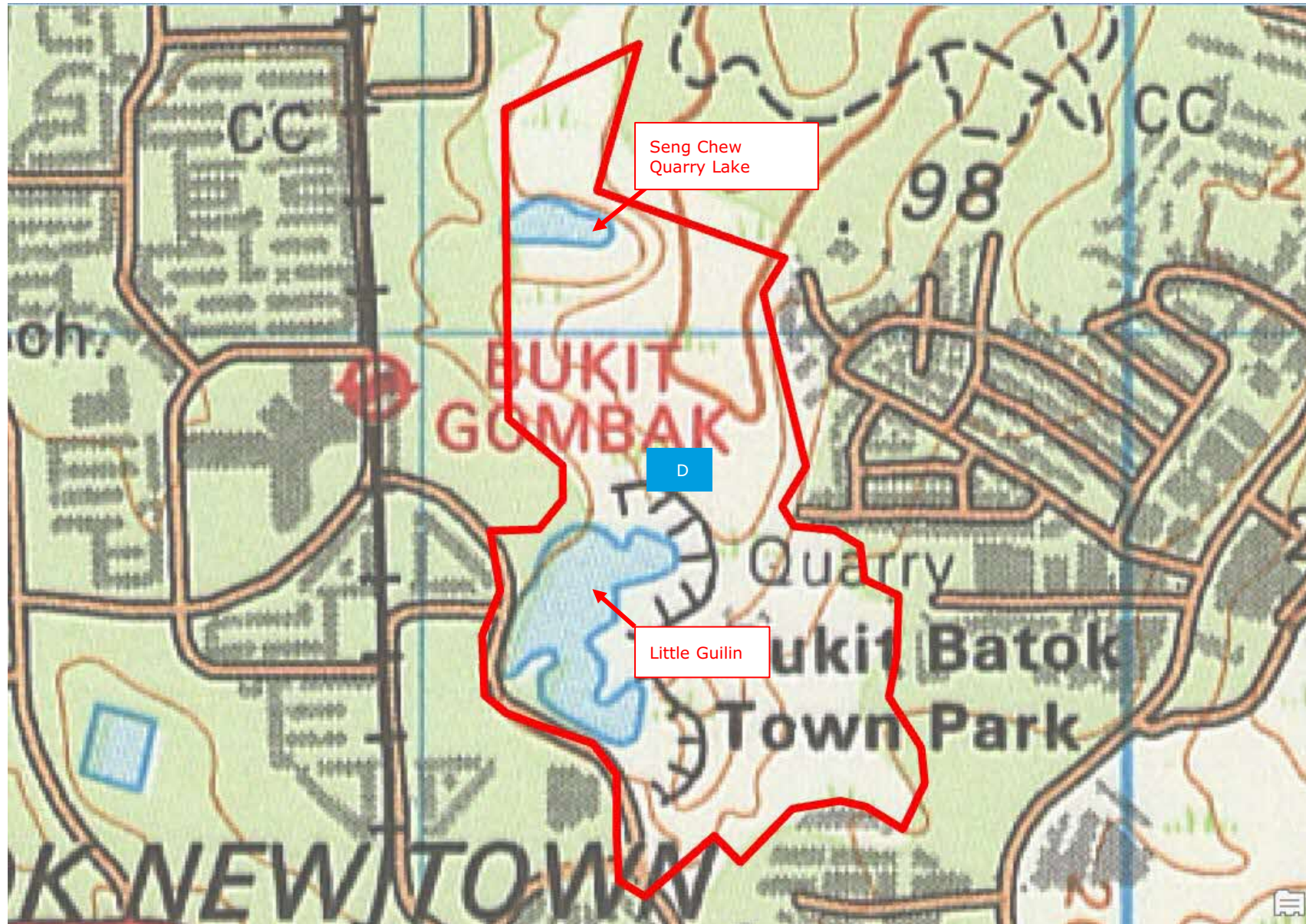
- The Gammon Granite Quarry ceased operations ~1984
- The area was subsequently converted to the Bukit Batok Town Park
- Most of the previously observed scattered structures and roads were no longer evident

## STUDY AREA D (1984 VS 2022)



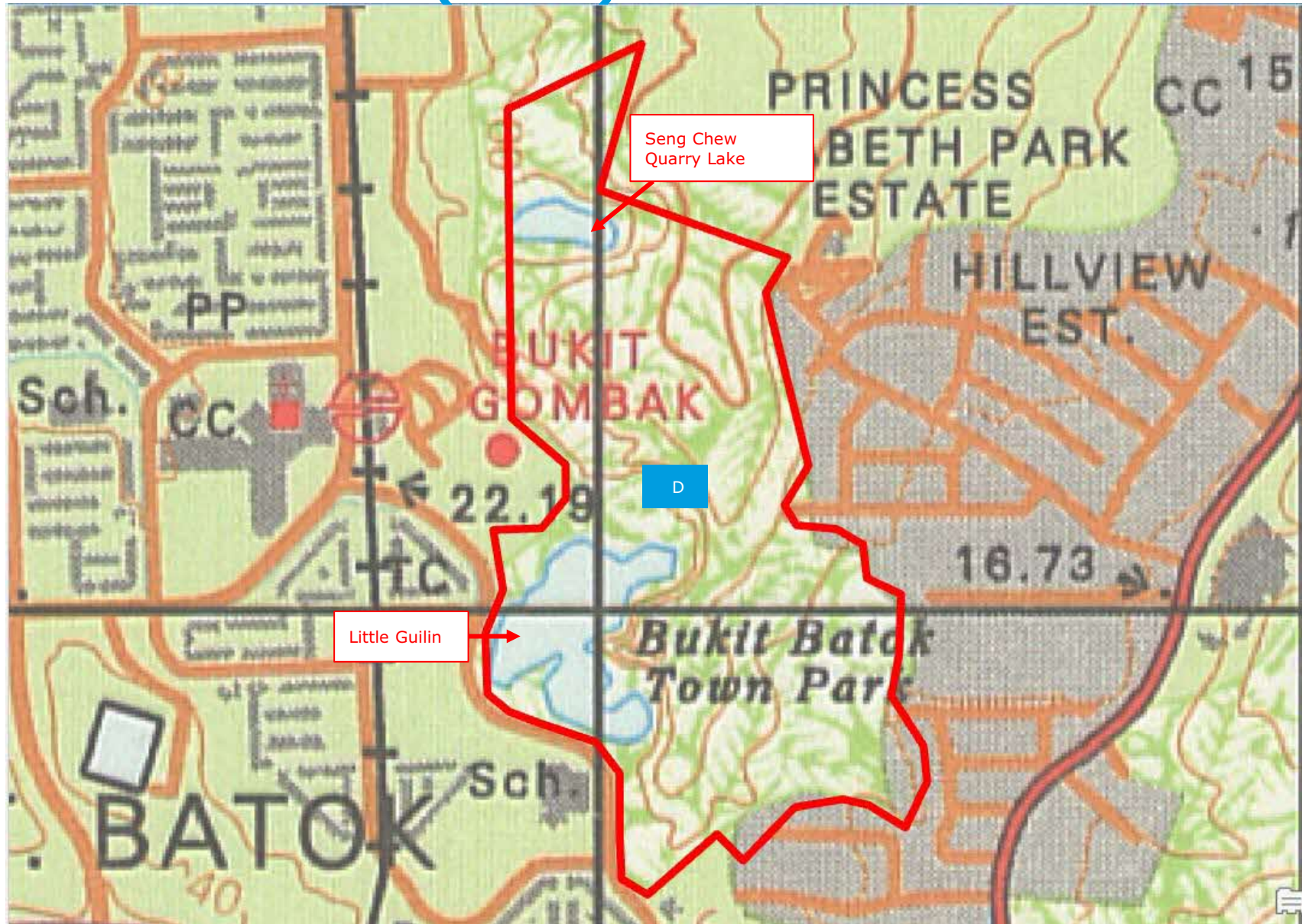
- Former Gammon Granite Quarry (1984) (left) and Little Guilin (2022) (right)

## STUDY AREA D (1993)



- Bukit Batok Town Park is evident
- Area D was mostly marked as grassland

## STUDY AREA D (1998)



- Whole of Area D was marked as a park
- Area D and surroundings generally remained unchanged

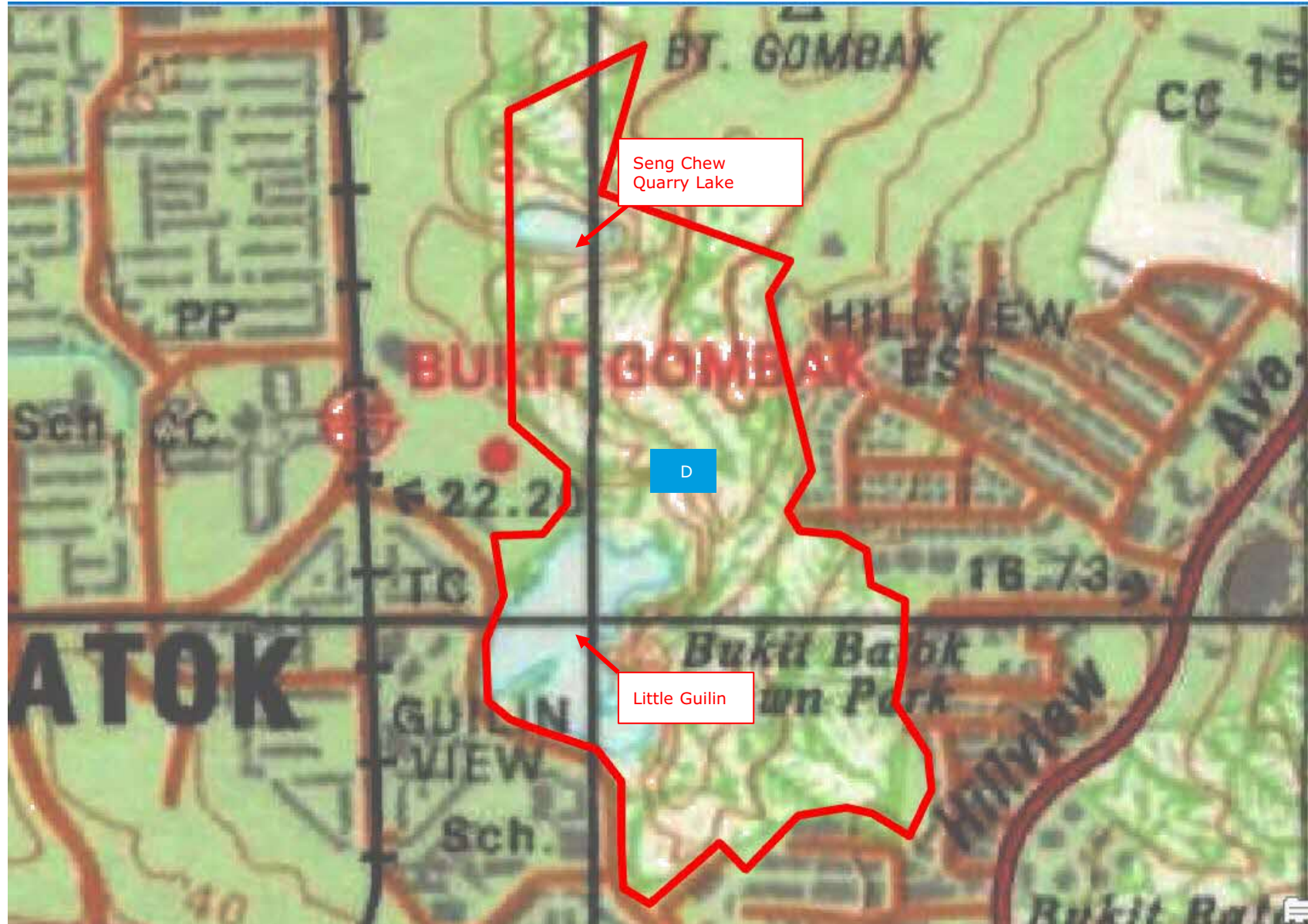


# STUDY AREA D (2001)



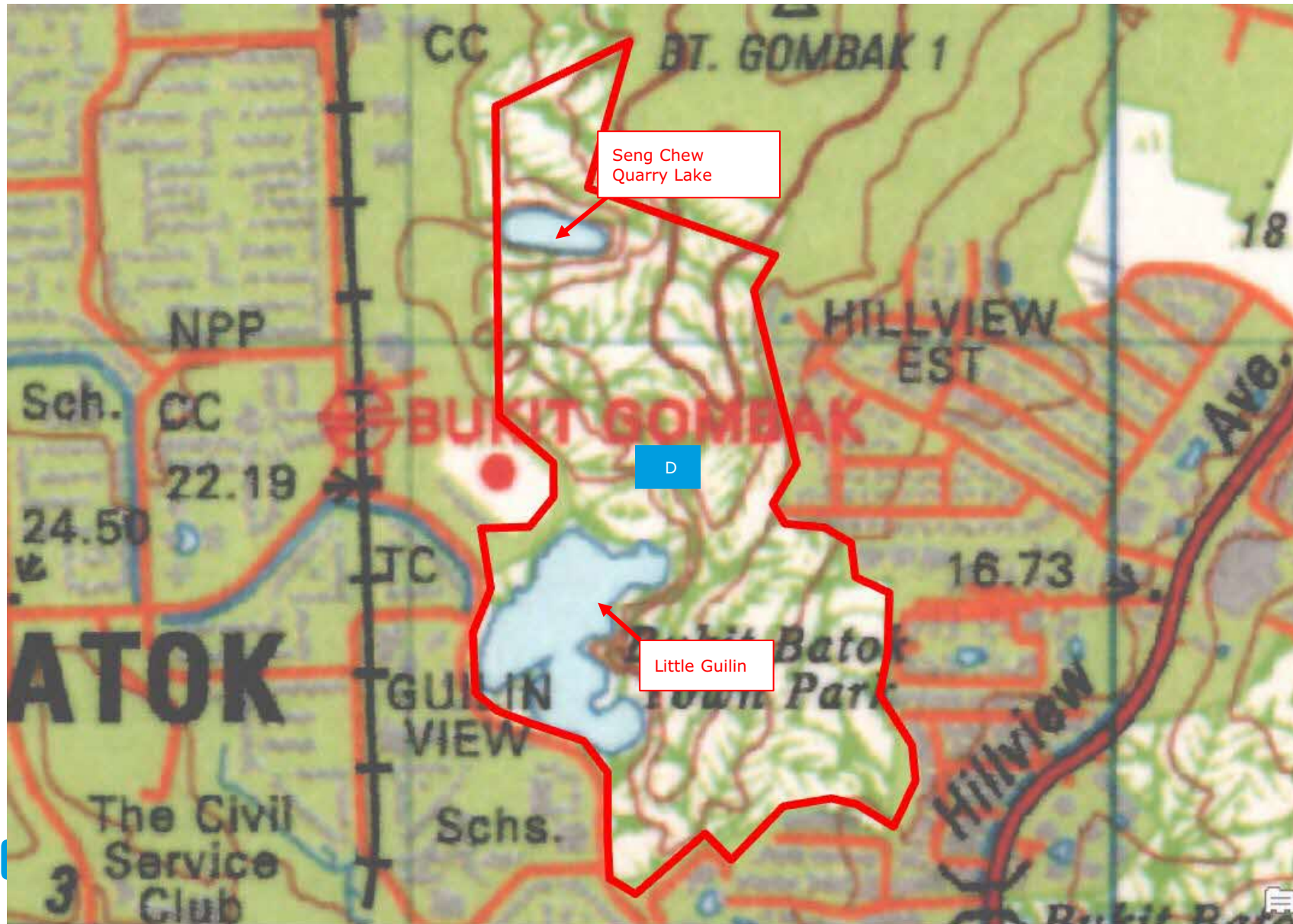
- Area D and surroundings generally remained unchanged since 1998

## STUDY AREA D (2005)



- Area D and surroundings generally remained unchanged

## STUDY AREA D (2010)



- Area D and surroundings generally remained unchanged

# STUDY AREA D (2010)



- Area D and surroundings generally remained unchanged

# STUDY AREA D (2019)



- Area D and surroundings generally remained unchanged

# **HISTORICAL LAND USE REVIEW – AREA E**

## STUDY AREA E (1953)



- The area was of hilly terrain with no specific land use
- Access road was evident towards the southwestern corner of the study area

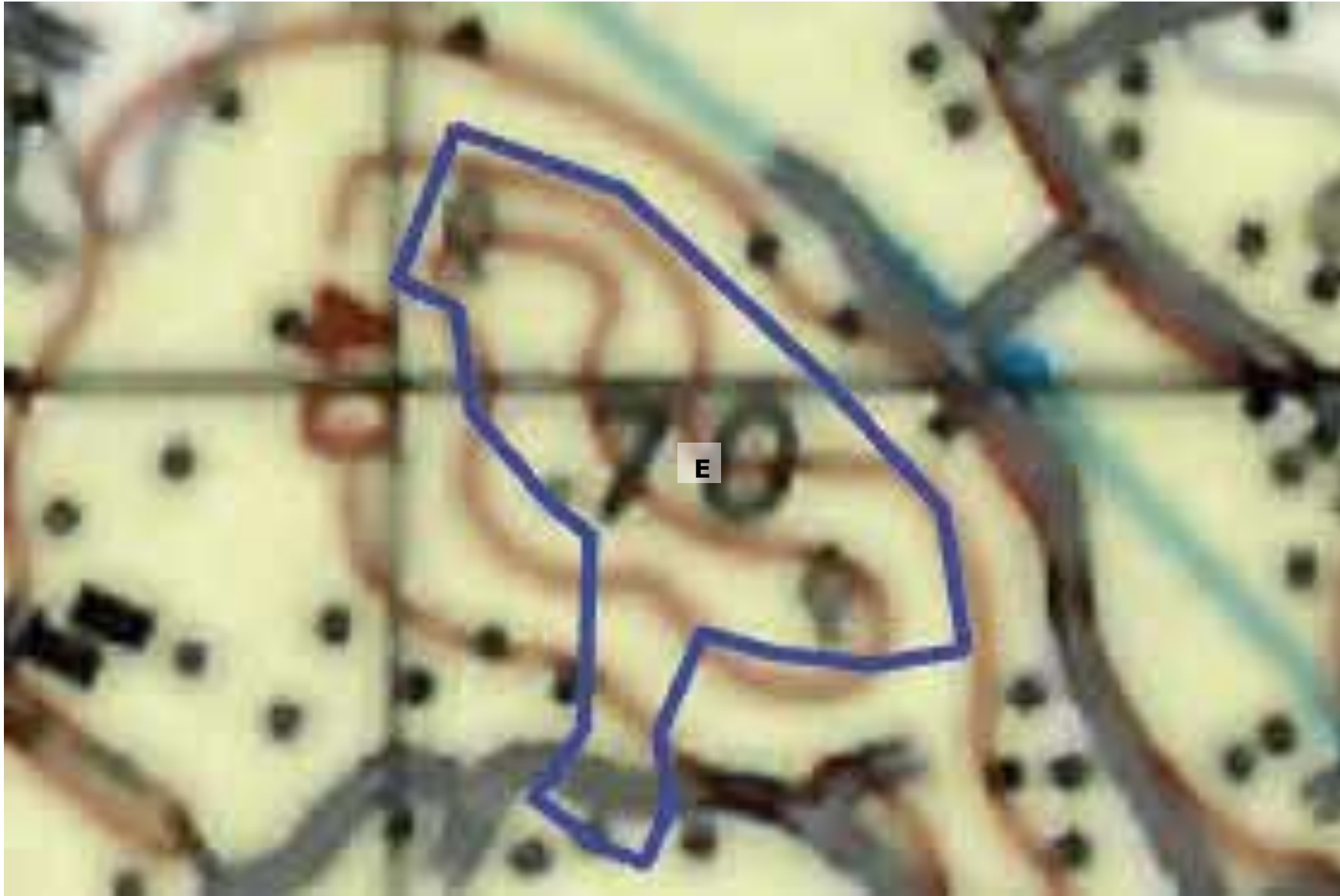
## STUDY AREA E (1963)



- Area E and surroundings generally remained unchanged
- Scattered structures and road were evident towards the southwestern corner of the study area



## STUDY AREA E (1974)



- The study area was used for rubber cultivation

## STUDY AREA E (1983)



- Area E and surroundings generally remained unchanged
- More structures were evident towards the southwestern corner of the study area

## STUDY AREA E (1993)



- The study area was no longer marked for rubber cultivation.
- The study area became part of the Bukit Batok Hillside Park, which was created in the late 1980s/early 1990s
- The scattered structures and road located towards the southwestern corner were no longer evident

## STUDY AREA E (1998)



- Site characteristics generally remained unchanged – vacant land

## STUDY AREA E (2000)



- Area E and surroundings generally remained unchanged

## STUDY AREA E (2005)



- The study area and surrounding land to the west and south remain unchanged, part of Bukit Batok Hillside Park

# STUDY AREA E (2010)



- Site characteristics generally remained unchanged – park

## STUDY AREA E (2010)



- Site characteristics generally remained unchanged – park



# STUDY AREA E (2017)



- Site characteristics generally remained unchanged – park
- HDB construction sites are evident to the northwest and southwest of the study area

# STUDY AREA E (2019)



- Site characteristics generally remained unchanged – park
- HDB construction site to the northwest remained evident
- The HDB construction site, West Plains@Bukit Batok, located to the southwest appeared completed

## **APPENDIX 2**

### **LIST AND LOCATIONS OF MAPPED TREES**

Study Area	Tag ID	Species	Family	Origin	Status	Habit	Northing (DGPS)	Easting (DGPS)	Girth/Spread (m)	Height (m)
BBNC_A2	1	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36893.96	20832.23	1	10
BBNC_A2	2	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	36896.99	20832.35	1.2	12
BBNC_A2	3	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36895.67	20844.63	3.8	25
BBNC_A2	4	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36889.97	20843.74	1.8	10
BBNC_A2	5	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36879.72	20853.41	1.1	9
BBNC_A2	6	<i>Strombosia javanica</i>	Oiaceae	Native	Vulnerable	Tree	36879.79	20855.06	0.3	7
BBNC_A2	7	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36877.5	20851.16	1.8	8
BBNC_A2	8	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36875.56	20850.32	1.8	12
BBNC_A2	9	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	36863.89	20868.64	2.2	20
BBNC_A2	10	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36859.68	20870.33	1	8
BBNC_A2	11	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	36896.7	20866.33	1.6	7
BBNC_A2	12	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36938.54	20835.6	1.4	14
BBNC_A2	13	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36937.74	20795.29	1.1	12
BBNC_A2	14	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36921.96	20805.85	4	30
BBNC_A2	16	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36906.8	20782.74	1.35	5
BBNC_A2	17	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36908.57	20779.25	1.3	16
BBNC_A2	18	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36903.46	20779.29	1.5	20
BBNC_A2	19	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36906.57	20774.3	1.4	20
BBNC_A2	20	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36902.33	20786.08	1.2	16
BBNC_A2	21	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	36907.67	20785.83	1.1	14
BBNC_A2	22	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36907.53	20777.6	1.1	10
BBNC_A2	23	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36958	20785.96	1.3	18
BBNC_A2	24	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36956.01	20795.8	1.4	14
BBNC_A2	25	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36960.59	20779.36	2.5	18
BBNC_A2	26	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36958.34	20772.19	1.5	14
BBNC_A2	27	<i>Strombosia javanica</i>	Oiaceae	Native	Vulnerable	Tree	36958.32	20781.33	0.4	7
BBNC_A2	28	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36943.91	20768.35	2	20
BBNC_A2	29	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36956.51	20761.01	1.8	18
BBNC_A2	30	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36965.69	20755.29	1.3	14
BBNC_A2	31	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36977.8	20757.9	1.2	14
BBNC_A2	32	<i>Archidendron cf. jiringa</i>	Fabaceae	Native	Vulnerable	Tree	36984.57	20757.54	1.1	12
BBNC_A2	33	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36973.93	20763.49	1.8	16
BBNC_A2	34	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	36981.77	20774.05	1.3	18
BBNC_A2	35	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36990.83	20774.82	1.7	20
BBNC_A2	36	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36985.08	20769.82	1.5	20
BBNC_A2	37	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36993.16	20759.36	1.5	12
BBNC_A2	38	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36999.24	20756.46	2.8	14
BBNC_A2	39	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37038.92	20721.78	2.5	8
BBNC_A2	40	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37014.38	20718.34	1.7	18
BBNC_A2	41	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37010	20721.23	2.4	20
BBNC_A2	42	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37040.76	20714.08	1.1	12
BBNC_A2	43	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37053.59	20708.84	2.5	20
BBNC_A2	44	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37054.55	20704.6	2.4	16
BBNC_B1 (East of Lor Sesuai)	45	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36933.87	20697.441	1.3	12
BBNC_B1 (East of Lor Sesuai)	46	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36929.117	20709.263	1.7	14
BBNC_B1 (East of Lor Sesuai)	47	<i>Adinobotrys atropurpureus</i>	Fabaceae	Exotic	Casual	Tree	36932.697	20712.814	1.2	12
BBNC_B1 (East of Lor Sesuai)	48	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36932.052	20713.442	1	15
BBNC_B1 (East of Lor Sesuai)	49	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36942.554	20713.699	1.1	15
BBNC_B1 (East of Lor Sesuai)	50	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36948.686	20714.067	1.2	15
BBNC_B1 (East of Lor Sesuai)	51	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36953.041	20717.87	1.5	20
BBNC_B1 (East of Lor Sesuai)	52	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36958.234	20719.246	1	18

BBNC_B1 (East of Lor Sesuai)	53	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36965.995	20719.532	1	18
BBNC_B1 (East of Lor Sesuai)	54	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	36966.93	20732.484	1.7	14
BBNC_B1 (East of Lor Sesuai)	55	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36966.805	20738.847	1.6	19
BBNC_B1 (East of Lor Sesuai)	56	<i>Calophyllum tetrapterum</i>	Calophyllaceae	Native	Vulnerable	Tree	36972.118	20737.769	0.3	6
BBNC_B1 (East of Lor Sesuai)	57	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36972.482	20740.116	1.8	20
BBNC_B1 (East of Lor Sesuai)	58	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36972.268	20741.564	1.3	15
BBNC_B1 (East of Lor Sesuai)	59	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36953.073	20729.749	1.3	14
BBNC_B1 (East of Lor Sesuai)	60	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36945.995	20735.547	1	16
BBNC_B1 (East of Lor Sesuai)	61	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36941.362	20735.204	1.1	18
BBNC_B1 (East of Lor Sesuai)	62	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36939.73	20742.401	1.4	15
BBNC_B1 (East of Lor Sesuai)	63	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36936.309	20743.38	1.1	16
BBNC_B1 (East of Lor Sesuai)	64	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	36938.976	20738.485	0.7	12
BBNC_B1 (East of Lor Sesuai)	65	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36936.628	20743.008	1.3	16
BBNC_B1 (East of Lor Sesuai)	66	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36935.179	20748.555	1.1	15
BBNC_B1 (East of Lor Sesuai)	67	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36936	20752.758	1.1	18
BBNC_B1 (East of Lor Sesuai)	68	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36936.107	20754.154	1.1	14
BBNC_B1 (East of Lor Sesuai)	69	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36933.821	20757.299	1.6	25
BBNC_B1 (East of Lor Sesuai)	70	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36929.482	20761.006	2	25
BBNC_B1 (East of Lor Sesuai)	71	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36918.886	20755.389	2.1	20
BBNC_B1 (East of Lor Sesuai)	72	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36912.911	20763.855	2.8	16
BBNC_B1 (East of Lor Sesuai)	73	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36911.581	20758.571	1.4	18
BBNC_B1 (East of Lor Sesuai)	74	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36910.822	20766.806	1.8	14
BBNC_B1 (East of Lor Sesuai)	75	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36912.99	20767.622	1.5	10
BBNC_B1 (East of Lor Sesuai)	76	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36904.97	20771.058	2	12
BBNC_B1 (East of Lor Sesuai)	77	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36900.38	20778.864	2.2	20
BBNC_B1 (East of Lor Sesuai)	78	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36905.722	20784.368	2	12
BBNC_B1 (East of Lor Sesuai)	79	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36902.023	20804.155	1.3	16
BBNC_B1 (East of Lor Sesuai)	80	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36893.159	20812.372	2.2	20
BBNC_B1 (East of Lor Sesuai)	81	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36887.941	20814.906	1.8	12
BBNC_B1 (East of Lor Sesuai)	82	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36886.717	20813.055	3.5	20
BBNC_B1 (East of Lor Sesuai)	83	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36882.327	20803.706	1.3	15
BBNC_B1 (East of Lor Sesuai)	84	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36867.698	20801.543	1	13
BBNC_B1 (East of Lor Sesuai)	85	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36857.521	20803.432	1.2	14
BBNC_B1 (East of Lor Sesuai)	86	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36874.344	20794.157	1	14
BBNC_B1 (East of Lor Sesuai)	87	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36885.22	20792.206	1.1	18
BBNC_B1 (East of Lor Sesuai)	88	<i>Sterculia foetida</i>	Malvaceae	Exotic	Cultivated only	Tree	36881.126	20780.742	1.3	18
BBNC_B1 (East of Lor Sesuai)	89	<i>Adinobotrys atropurpureus</i>	Fabaceae	Exotic	Casual	Tree	36884.185	20765.217	3.1	20
BBNC_B1 (East of Lor Sesuai)	90	<i>Gnetum gnemon var. gnemon</i>	Gnetaceae	Native	Critically endangered	Tree	36892.935	20761.548	1.2	13
BBNC_B1 (East of Lor Sesuai)	91	<i>Adinobotrys atropurpureus</i>	Fabaceae	Exotic	Casual	Tree	36896.516	20753.202	2.2	20
BBNC_B1 (East of Lor Sesuai)	92	<i>Adinobotrys atropurpureus</i>	Fabaceae	Exotic	Casual	Tree	36907.865	20738.327	1	16
BBNC_B1 (East of Lor Sesuai)	93	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36909.937	20732.794	1.1	15
BBNC_B1 (East of Lor Sesuai)	94	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36915.591	20725.703	1.3	13
BBNC_B1 (East of Lor Sesuai)	95	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36920.103	20723.624	1.6	13
BBNC_B1 (East of Lor Sesuai)	96	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36922.766	20720.591	1.2	14
BBNC_B1 (East of Lor Sesuai)	97	<i>Dyopsis lucubensis</i>	Arecaceae	Exotic	Cultivated only	Palm	36918.003	20712.361	1.1	15
BBNC_B1 (East of Lor Sesuai)	98	<i>Dyopsis lucubensis</i>	Arecaceae	Exotic	Cultivated only	Palm	36921.557	20706.547	1	15
BBNC_B1 (East of Lor Sesuai)	99	<i>Maniltoa brownneoides</i>	Fabaceae	Exotic	Cultivated only	Tree	36927.614	20696.594	1.3	16
BBNC_B1 (East of Lor Sesuai)	100	<i>Maniltoa brownneoides</i>	Fabaceae	Exotic	Cultivated only	Tree	36935.515	20693.646	2	16
BBNC_A1	101	<i>Roystonea oleracea</i>	Arecaceae	Exotic	Cultivated only	Palm	36799.22	21090.74	1.6	15
BBNC_A1	102	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36790.51	21100.57	1	8
BBNC_A1	103	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36793.59	21099.11	6	18
BBNC_A1	104	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36795.34	21110.69	10	25

BBNC_A1	105	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36817.96	21113.26	2	12
BBNC_A1	107	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36817.94	21121.43	1.7	12
BBNC_A1	108	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36820.85	21118.96	1.5	15
BBNC_A1	109	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36819.31	21116.85	0.3	6
BBNC_A1	110	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36828.9	21115.39	2.3	18
BBNC_A1	111	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36816.09	21112.81	1.3	8
BBNC_A1	112	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36829.51	21103.58	7	20
BBNC_A1	113	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36839.43	21115.95	1.8	18
BBNC_A1	114	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36836.39	21109.53	2.1	18
BBNC_A1	115	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36832.39	21110.78	2.4	18
BBNC_A1	116	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36834.13	21116.66	1.8	8
BBNC_A1	117	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36840.07	21113.39	1.7	18
BBNC_A1	118	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36844.76	21120.35	2.1	16
BBNC_A1	119	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36845.5	21116.42	1.5	12
BBNC_A1	120	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36847.19	21121.71	1.2	12
BBNC_A1	121	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36846.82	21119.79	0.3	5
BBNC_A1	122	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36858.02	21122.66	1.7	15
BBNC_A1	123	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36861.64	21125.07	1.1	15
BBNC_A1	124	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36870.1	21121.73	0.4	8
BBNC_A1	125	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36860.42	21125.47	0.4	8
BBNC_A1	126	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36868.26	21122.18	2.7	16
BBNC_A1	127	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36867.9	21115.99	1.9	16
BBNC_A1	128	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	36871.02	21139.4	1.6	10
BBNC_A1	129	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36868.91	21141.06	0.5	8
BBNC_A1	130	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36868.58	21140.62	1	8
BBNC_A1	131	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36870.18	21149.84	1.8	14
BBNC_A1	132	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36872.36	21147.88	2.5	16
BBNC_A1	133	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36857.02	21138.75	1	6
BBNC_A1	134	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36843.83	21149.09	1.1	6
BBNC_A1	137	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	36868.29	21163.93	1.3	10
BBNC_A1	138	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36848.69	21144.5	1.3	10
BBNC_A1	139	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36829.57	21133.98	1	16
BBNC_A1	140	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36829.52	21131.61	1.7	18
BBNC_A1	141	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36829.48	21135.72	1.1	18
BBNC_A1	142	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36826.78	21127.7	1.1	9
BBNC_A1	143	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36838.85	21134.93	1.1	12
BBNC_A1	144	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36838.1	21133.81	1.1	12
BBNC_A1	145	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36826.49	21133.38	1.1	14
BBNC_A1	146	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36829.75	21135.75	1.1	12
BBNC_A1	147	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36827.85	21137.76	1.8	18
BBNC_A1	148	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36828.24	21129.97	1.5	9
BBNC_A1	149	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36831.28	21127.12	1.8	18
BBNC_A1	150	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36830.02	21122.85	1.1	16
BBNC_A1	151	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36824.76	21123.4	2.8	18
BBNC_A1	152	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36819.87	21126.94	1	12
BBNC_A1	153	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36828.29	21132.51	1.3	18
BBNC_A1	154	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36816.43	21119.78	2.5	18
BBNC_A1	155	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36814.91	21120.76	2.8	30
BBNC_A1	156	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36814.65	21118.82	3.5	35
BBNC_A2	160	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36840.283	20928.75	2	10
BBNC_A2	161	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36847.042	20923.368	0.4	5
BBNC_A2	162	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36848.581	20917.34	2	12

BBNC_A2	163	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36851.339	20923.414	1.3	25
BBNC_A2	164	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36852.537	20926.278	1.8	25
BBNC_A2	165	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36856.068	20914.375	2.3	10
BBNC_A2	166	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36862.466	20920.319	1	12
BBNC_A2	167	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36863.585	20920.86	2.3	10
BBNC_A2	168	<i>Dimocarpus longan</i>	Sapindaceae	Exotic	Casual	Tree	36865.149	20911.992	1.8	12
BBNC_A2	169	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36866.058	20910.938	1.5	10
BBNC_A2	170	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	36863.364	20910.5	0.6	10
BBNC_A2	171	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36865.874	20909.542	1.8	8
BBNC_A2	172	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36869.015	20916.126	2	6
BBNC_A2	173	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36873.401	20911.971	1.8	10
BBNC_A2	174	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36881.177	20918.351	1.6	14
BBNC_A2	175	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	36884.951	20919.632	0.6	16
BBNC_A2	176	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36886.443	20914.852	1.8	8
BBNC_A2	177	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36887.732	20921.351	1	16
BBNC_A2	178	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	36887.752	20916.942	0.7	16
BBNC_A2	179	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36891.616	20915.588	2	16
BBNC_A2	180	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36891.616	20915.588	1.5	10
BBNC_B1 (East of Lor Sesuai)	181	<i>Aidia densiflora</i>	Rubiaceae	Native	Vulnerable	Tree	36975.288	20702.507	0.3	5
BBNC_A2	182	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36892.497	20907.649	1.5	10
BBNC_A2	183	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36888.8	20906.26	1.8	10
BBNC_A2	184	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	36900.034	20911.887	1	8
BBNC_A2	185	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36898.669	20912.422	1.8	6
BBNC_A2	186	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36905.724	20910.047	2	8
BBNC_A2	187	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	36912.496	20910.854	0.6	6
BBNC_A2	188	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	36912.737	20908.046	0.7	10
BBNC_A2	189	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36912.737	20908.046	3.5	25
BBNC_A2	190	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	36917.832	20912.102	0.3	4
BBNC_A2	192	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36925.526	20907.386	1.3	12
BBNC_A2	193	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	36927.762	20913.572	0.3	6
BBNC_A2	194	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36932.697	20911.703	1.7	18
BBNC_A2	195	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36932.629	20905.642	2	10
BBNC_A2	196	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	36931.06	20905.088	0.3	4
BBNC_A2	197	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36934.362	20905.905	2	8
BBNC_A2	198	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36939.997	20904.983	1.6	16
BBNC_A2	199	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36944.655	20906.168	2.2	20
BBNC_A2	200	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36948.628	20906.463	2	20
BBNC_A2	201	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37035.972	20887.714	3.2	25
BBNC_A2	202	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37041.822	20898.272	2	10
BBNC_A2	203	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37039.175	20909.033	2.5	8
BBNC_A2	204	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37040.574	20909.012	3	20
BBNC_A2	205	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37051.726	20914.601	2.6	25
BBNC_A2	206	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37060.2	20910.792	2.3	20
BBNC_A2	207	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37070.129	20913.064	2.5	20
BBNC_A2	208	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37046.736	20896.286	1.8	25
BBNC_A2	209	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37046.609	20891.575	1.8	20
BBNC_A2	210	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37051.452	20888.01	1	10
BBNC_A2	211	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37046.844	20887.595	1.8	10
BBNC_A2	212	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37056.847	20889	3.2	25
BBNC_A2	213	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37060.622	20890.966	1.3	15
BBNC_A2	214	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37072.123	20888.098	1	10
BBNC_A1	307	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36907.72	21023	3	25

BBNC_A1	308	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36920.61	21028.15	2.6	25
BBNC_A1	309	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36914.08	21011.62	1.8	25
BBNC_A1	310	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36910.4	21016.52	2.3	25
BBNC_A1	311	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36917.58	20997.9	1.8	25
BBNC_A1	312	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36912.83	20994.89	1	15
BBNC_A1	313	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36911.98	20995.41	1.1	18
BBNC_A1	314	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36920.77	21002.4	2.6	25
BBNC_A1	315	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36928.65	21011.54	1.9	25
BBNC_A1	316	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36933.83	21021.2	2.2	25
BBNC_A1	317	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36942.42	21003	3	25
BBNC_A1	318	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36950.88	21006.32	2.7	25
BBNC_A1	328	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36898.72	20996.77	1.2	14
BBNC_A1	330	<i>Chrysophyllum cainito</i>	Sapotaceae	Exotic	Cultivated only	Tree	36901.17	21000.32	1.5	14
BBNC_A1	337	<i>Strombosia javanica</i>	Oiaceae	Native	Vulnerable	Tree	36928.64	21023.55	0.8	10
BBNC_A1	338	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36926.65	21021.84	2	25
BBNC_A1	339	<i>Strombosia javanica</i>	Oiaceae	Native	Vulnerable	Tree	36937.97	21037.38	0.8	16
BBNC_A1	340	<i>Strombosia javanica</i>	Oiaceae	Native	Vulnerable	Tree	36932.53	21035.35	0.4	6
BBNC_A1	341	<i>Strombosia javanica</i>	Oiaceae	Native	Vulnerable	Tree	36953.28	21023.15	0.4	10
BBNC_A1	342	<i>Palaquium obovatum</i>	Sapotaceae	Native	Vulnerable	Tree	36954.88	21022.38	0.7	18
BBNC_A1	343	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36952.31	21015.73	1.9	25
BBNC_A1	344	<i>Strombosia javanica</i>	Oiaceae	Native	Vulnerable	Tree	36957.99	21018.24	0.5	10
BBNC_A1	345	<i>Strombosia javanica</i>	Oiaceae	Native	Vulnerable	Tree	36959.77	21011.46	0.8	16
BBNC_A1	352	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36757.33	21055.6	4	20
BBNC_A1	353	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36765.6	21060.21	1.8	20
BBNC_A1	354	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36775.15	21060.08	1.6	18
BBNC_A1	355	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36772.2	21063.05	1.3	20
BBNC_A1	357	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36773.09	21071.16	2.2	25
BBNC_A1	358	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36776.08	21067.93	1.8	20
BBNC_A1	359	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	36794.52	21071.58	1.9	14
BBNC_A1	360	<i>Roystonea oleracea</i>	Arecaceae	Exotic	Cultivated only	Palm	36795.22	21061.15	1	16
BBNC_A1	361	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36785.3	21074.33	1.9	20
BBNC_A1	362	<i>Roystonea oleracea</i>	Arecaceae	Exotic	Cultivated only	Palm	36795.91	21079.45	1.4	16
BBNC_A1	363	<i>Roystonea oleracea</i>	Arecaceae	Exotic	Cultivated only	Palm	36796.42	21075.09	1.4	12
BBNC_A2	364	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36955.707	20905.163	1.1	20
BBNC_A2	365	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36952.38	20907.233	1.6	20
BBNC_A2	366	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36951.815	20904.563	1.8	20
BBNC_A2	367	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36956.837	20897.024	2	8
BBNC_A2	368	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36954.068	20894.589	2.2	10
BBNC_A2	369	<i>Khaya senegalensis</i>	Meliaceae	Exotic	Cultivated only	Tree	36958.69	20891.92	2.8	20
BBNC_A2	370	<i>Khaya senegalensis</i>	Meliaceae	Exotic	Cultivated only	Tree	36957.947	20892.355	2.2	20
BBNC_A2	371	<i>Khaya senegalensis</i>	Meliaceae	Exotic	Cultivated only	Tree	36966.602	20887.744	3.3	20
BBNC_A2	372	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36967.845	20889.59	1.4	10
BBNC_A2	373	<i>Khaya senegalensis</i>	Meliaceae	Exotic	Cultivated only	Tree	36975.393	20885.119	1.8	20
BBNC_A2	374	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36977.144	20883.435	1.8	20
BBNC_A2	375	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36975.508	20886.807	1.7	10
BBNC_A2	376	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36985.38	20902.887	8	20
BBNC_A2	377	<i>Peltophorum pterocarpum</i>	Fabaceae	Native	Critically endangered	Tree	36978.181	20903.106	1.3	10
BBNC_A2	378	<i>Peltophorum pterocarpum</i>	Fabaceae	Native	Critically endangered	Tree	36979.225	20911.913	1.6	12
BBNC_A2	379	<i>Peltophorum pterocarpum</i>	Fabaceae	Native	Critically endangered	Tree	36974.734	20909.718	1	9
BBNC_A2	380	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36967.358	20913.142	1.1	12
BBNC_A2	381	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	36993.088	20879.969	1	10
BBNC_A2	382	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36994.985	20881.545	2	7



BBNC_A2	383	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37003.937	20881.961	2.5	6
BBNC_A2	384	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37005.549	20885.374	0.5	8
BBNC_A2	385	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37006.448	20888.381	0.5	8
BBNC_A2	386	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37005.126	20888.427	0.4	8
BBNC_A2	387	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37005.718	20889.915	0.4	8
BBNC_A2	388	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37004.634	20889.662	0.4	8
BBNC_A2	389	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37002.357	20889.331	0.4	8
BBNC_A2	390	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37003.078	20886.999	0.5	8
BBNC_A2	391	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37001.486	20888.575	0.5	8
BBNC_A2	392	<i>Peltophorum pterocarpum</i>	Fabaceae	Native	Critically endangered	Tree	37008.751	20899.125	1.1	10
BBNC_A2	393	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37011.873	20891.858	0.5	8
BBNC_A2	394	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37009.197	20887.265	0.5	8
BBNC_A2	396	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37022.958	20882.75	1.1	15
BBNC_A2	397	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37027.14	20887.489	5	20
BBNC_A2	398	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	37026.3	20896.856	1.7	15
BBNC_A2	399	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37031.011	20898.289	4	20
BBNC_A1	400	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36937.57	21034.53	0.9	14
BBNC_A1	401	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36948.07753	21036.59524	3	20
BBNC_A1	402	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36951.28476	21015.00529	2	16
BBNC_A1	403	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	36961.34675	21027.91505	1.7	15
BBNC_A1	404	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36973.06728	21044.27481	15	25
BBNC_A1	405	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36967.98052	21056.40517	1.4	14
BBNC_A1	407	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36969.63903	21060.85676	1.4	15
BBNC_A1	408	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36959.90815	21071.76282	0.4	12
BBNC_A1	409	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36958.13881	21077.32722	0.6	12
BBNC_A1	410	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36958.58113	21076.43692	1	12
BBNC_A1	411	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36953.82664	21067.31111	0.3	9
BBNC_A1	412	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36956.25916	21072.54175	0.4	8
BBNC_A1	413	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	36954.82159	21076.32553	1.4	16
BBNC_A1	414	<i>Elaeocarpus obtusus</i> subsp. <i>apiculatus</i>	Elaeocarpaceae	Native	Critically endangered	Tree	36958.69159	21080.88847	0.5	14
BBNC_A1	419	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36957.3645	21088.56737	1.4	14
BBNC_A1	421	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36968.64335	21080.44357	3.5	30
BBNC_A1	422	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36981.35962	21074.76817	2.2	18
BBNC_A1	424	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36960.9033	21072.87573	0.4	12
BBNC_A1	428	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36933.716	21108.622	2.7	17
BBNC_A1	429	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36938.799	21090.446	3.4	25
BBNC_A1	430	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36937.2	21090.945	1	16
BBNC_A1	431	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36930.507	21088.26	1.8	25
BBNC_A1	432	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36927.81	21091.166	2.3	22
BBNC_A1	433	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	36933.575	21086.931	1.1	16
BBNC_A1	434	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36938.955	21079.466	1.8	22
BBNC_A1	441	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36898.49	21138.4	1	14
BBNC_A1	447	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36928.46	21114.86	1.4	15
BBNC_A1	448	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36928.94	21114.59	1.4	8
BBNC_A1	449	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36917.92	21120.89	2.6	18
BBNC_A1	450	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36865.54	21106.3	2.3	25
BBNC_A1	451	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36860.49	21123.22	1.2	15
BBNC_A1	452	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	36848.07	21103.33	1.1	10
BBNC_A1	453	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36878.26	21102.62	3.4	20
BBNC_A1	454	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36876.9	21106.34	1.5	20
BBNC_A1	455	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36885.99	21108.51	3.1	22
BBNC_A1	456	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36886.38	21105.6	0.3	8

BBNC_A1	457	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36884.36	21099.55	0.5	10
BBNC_A1	458	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36887.56	21101.37	0.5	10
BBNC_A1	459	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36889.01	21099.02	0.5	12
BBNC_A1	460	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36881.01	21105.07	1.8	22
BBNC_A1	461	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36881.62	21102.83	10	25
BBNC_A1	462	<i>Canthiumera robusta</i>	Rubiaceae	Native	Endangered	Tree	36888.41	21103.34	0.3	7
BBNC_A1	463	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36885.3	21104.62	1.6	12
BBNC_A1	464	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36895.62	21097.92	1.8	16
BBNC_A1	465	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36896.2	21091.86	2.4	25
BBNC_A1	466	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36895.55	21095.48	1.1	14
BBNC_A1	467	<i>Lepisanthes rubiginosa</i>	Sapindaceae	Native	Common	Tree	36898.31	21088.95	1	10
BBNC_A1	468	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36897.26	21094.15	0.5	10
BBNC_A1	469	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36911.08	21085.18	0.3	6
BBNC_A1	470	<i>Theobroma cacao</i>	Malvaceae	Exotic	Cultivated only	Tree	36916.43	21076.86	2.5	6
BBNC_A1	471	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36918.94	21075.59	1.2	18
BBNC_A1	472	<i>Aquilaria malaccensis</i>	Thymelaeaceae	Native	Vulnerable	Tree	36928.16	21082.21	0.3	6
BBNC_A2	473	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37091.89	20908.05	3	16
BBNC_A2	474	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37092.79	20899.99	1.4	13
BBNC_A2	475	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37098.55	20903.01	0.5	15
BBNC_A2	476	<i>Prunus polystachya</i>	Rosaceae	Native	Common	Tree	37099.64	20895.73	2	16
BBNC_A2	478	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37110.36	20895.08	1.2	14
BBNC_A2	479	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37123.21	20900.48	3.4	20
BBNC_A2	480	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37130.93	20901.29	3.8	20
BBNC_A2	481	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37131.28	20899.2	1.3	15
BBNC_A2	482	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37129.27	20898.84	0.7	12
BBNC_A2	483	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37130.37	20888.17	1.5	14
BBNC_A2	484	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	37124.68	20881.95	1.2	8
BBNC_A2	485	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37120.08	20876.7	0.8	12
BBNC_A2	486	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37101.41	20879.91	1.8	15
BBNC_A2	487	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37099.23	20882.29	1.1	15
BBNC_A2	488	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37104.4	20883.63	1.3	8
BBNC_A2	489	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37099.66	20880.95	1	8
BBNC_A2	490	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37101.42	20871.73	3	15
BBNC_A2	491	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37105.96	20870.49	5	20
BBNC_A2	492	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37087.59	20882.89	1	8
BBNC_A2	493	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37081.93	20863.68	3.2	18
BBNC_A2	495	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37087.1	20863.63	1	15
BBNC_A2	496	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37086.87	20865.07	2.2	12
BBNC_A2	497	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37101.61	20863.55	3.2	20
BBNC_A2	498	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37107.58	20860.54	5.2	25
BBNC_A2	499	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37111.18	20862.64	1.1	14
BBNC_A2	502	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37126.47	20860.7	1	18
BBNC_A2	503	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37132.05	20868.07	1	10
BBNC_A2	504	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37137.99	20869.87	2.6	16
BBNC_A2	506	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37124.95	20862.43	3.2	16
BBNC_A2	507	<i>Ficus elastica</i>	Moraceae	Exotic	Casual	Strangler	37122.53	20849.23	10	25
BBNC_A2	508	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37093.42	20839.11	2.6	15
BBNC_A2	509	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37070.53	20852.55	10	20
BBNC_A2	510	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37075.8	20833.73	1.2	12
BBNC_A2	511	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37053.44	20838.04	2.2	16
BBNC_A2	512	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37071.31	20842.3	1.2	10
BBNC_A2	513	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37076.93	20827.34	2	10

BBNC_A2	514	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37072.83	20827.38	2	18
BBNC_A2	515	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37077.28	20826.66	1.8	20
BBNC_A2	516	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37085.89	20824.47	3.2	25
BBNC_A2	582	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36846.645	20881.587	1.1	15
BBNC_A2	583	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36854.561	20883.228	3.6	20
BBNC_A2	584	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36858.787	20884.623	1.2	15
BBNC_A2	585	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36872.702	20880.871	2	13
BBNC_A2	586	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36875.158	20879.835	1.2	9
BBNC_A2	587	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36901.581	20882.812	1.1	10
BBNC_A2	588	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36907.708	20881.998	4.2	20
BBNC_A2	589	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36913.725	20882.161	1.1	12
BBNC_A2	590	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36920.862	20881.851	1.7	18
BBNC_A2	591	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36927.845	20881.103	0.3	12
BBNC_A2	592	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36936.149	20874.546	1.2	10
BBNC_A2	593	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36947.508	20887.616	1.4	18
BBNC_A2	594	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36951.25	20880.322	1.5	15
BBNC_A2	595	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36975.141	20863.725	3.8	25
BBNC_A2	596	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36977.325	20862.454	2.4	20
BBNC_A2	597	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36981.32	20857.573	2.7	20
BBNC_A2	598	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36994.603	20852.213	1.1	18
BBNC_A2	599	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36996.637	20848.62	1.5	12
BBNC_A2	600	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36997.855	20842.349	1.6	15
BBNC_A2	601	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36881.61	20842.44	1	8
BBNC_A2	602	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36893.21	20830.2	1.9	18
BBNC_A2	603	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36896.3	20819.91	2.6	22
BBNC_A2	604	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36904.78	20823.83	1.8	20
BBNC_A2	605	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36908.5	20821.01	1.3	12
BBNC_A2	606	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36893.46	20832.56	1	10
BBNC_A2	607	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36900.99	20834.3	1.4	16
BBNC_A2	608	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36916.01	20823.25	1.2	16
BBNC_A2	609	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36916.59	20824.28	1.6	16
BBNC_A2	610	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36942.52	20825.74	4.4	50
BBNC_A2	612	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36952.23	20800.35	1.4	14
BBNC_A2	613	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36941.95	20800.08	1.5	12
BBNC_A2	615	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36968.89	20813.13	1.2	13
BBNC_A2	616	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	36962.44	20812.31	1.1	8
BBNC_A2	617	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36965.92	20822.94	2.2	20
BBNC_A2	618	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36954.22	20832.72	2.4	20
BBNC_A2	619	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36963.7	20810.17	3.8	30
BBNC_A2	620	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36978.55	20803.5	1.4	20
BBNC_A2	621	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36979.53	20810.95	2.4	20
BBNC_A2	622	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36989.24	20813.63	1.2	18
BBNC_A2	624	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37002.27	20810.03	1.3	14
BBNC_A2	625	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36990.91	20814.77	2.5	-
BBNC_A2	626	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36997.55	20793.06	1.6	15
BBNC_A2	627	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36999.06	20780.95	1.7	16
BBNC_A2	628	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36998.11	20782.62	1.5	12
BBNC_A2	630	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37000.01	20790.05	0.3	6
BBNC_A2	631	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37002.13	20788.16	0.3	7
BBNC_A2	632	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37012.5	20790.58	2.4	16
BBNC_A2	633	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37023.3	20791.56	2	16
BBNC_A2	634	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37008.14	20798.53	0.6	12

BBNC_A2	635	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37008.96	20798.02	0.5	8
BBNC_A2	636	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37017.44	20800.81	2.5	9
BBNC_A2	637	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37007.12	20797.03	0.3	4
BBNC_A2	638	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37008.04	20792.42	0.7	8
BBNC_A2	639	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37023.81	20780.44	1.8	20
BBNC_A2	640	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37024.48	20782.45	2.5	25
BBNC_A2	641	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37031.84	20779.95	2.7	20
BBNC_A2	642	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37022.48	20787.82	2	20
BBNC_A2	643	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37025.91	20786.02	1.1	10
BBNC_B1 (East of Lor Sesuai)	645	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37036.37	20620.09	2	20
BBNC_B1 (East of Lor Sesuai)	646	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37055.03	20601.54	2.5	20
BBNC_B1 (East of Lor Sesuai)	647	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37058.71	20597.59	2.5	18
BBNC_B1 (East of Lor Sesuai)	648	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37053.05	20608.97	2.5	18
BBNC_B1 (East of Lor Sesuai)	649	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37069.56	20605.28	2	18
BBNC_B1 (East of Lor Sesuai)	650	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37070.44	20599.17	1	12
BBNC_B1 (East of Lor Sesuai)	651	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37077.9	20591	2.1	14
BBNC_B1 (East of Lor Sesuai)	652	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37077.07	20591.98	1.5	14
BBNC_B1 (East of Lor Sesuai)	653	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37078.81	20591.75	1	12
BBNC_B1 (East of Lor Sesuai)	654	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37077.65	20595.08	2.5	16
BBNC_B1 (East of Lor Sesuai)	655	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37087.48	20585.42	2.5	18
BBNC_B1 (East of Lor Sesuai)	656	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37089	20586.63	2.5	20
BBNC_B1 (East of Lor Sesuai)	657	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37088.38	20566.84	1.4	14
BBNC_B1 (East of Lor Sesuai)	658	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37088.87	20573.68	2.6	20
BBNC_B1 (East of Lor Sesuai)	659	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37103.91	20575.67	2.5	25
BBNC_B1 (East of Lor Sesuai)	660	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37095.41	20563.15	2	20
BBNC_B1 (East of Lor Sesuai)	661	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37109.84	20564.47	2.7	20
BBNC_B1 (East of Lor Sesuai)	662	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37093.17	20579.22	3	25
BBNC_B1 (East of Lor Sesuai)	663	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37115.43	20582.37	1.1	12
BBNC_B1 (East of Lor Sesuai)	664	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37094.12	20575.95	1	8
BBNC_B1 (East of Lor Sesuai)	665	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37118.48	20568.98	1.8	18
BBNC_B1 (East of Lor Sesuai)	666	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37117.32	20567.39	2.2	22
BBNC_B1 (East of Lor Sesuai)	667	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37115.53	20572.92	1.4	16
BBNC_B1 (East of Lor Sesuai)	668	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37118.31	20568.84	3.5	25
BBNC_B1 (East of Lor Sesuai)	669	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37123.73	20566.68	1.2	18
BBNC_B1 (East of Lor Sesuai)	670	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37123.05	20575.55	1.6	20
BBNC_B1 (East of Lor Sesuai)	672	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37115.99	20576.99	1.1	14
BBNC_B1 (East of Lor Sesuai)	673	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37137.91	20574.35	1.5	20
BBNC_B1 (East of Lor Sesuai)	674	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37137.08	20573.26	1	16
BBNC_B1 (East of Lor Sesuai)	675	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37134	20583.6	1.7	20
BBNC_B1 (East of Lor Sesuai)	676	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37125.6	20584.7	1.8	20
BBNC_B1 (East of Lor Sesuai)	677	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37132.45	20569.21	1.6	18
BBNC_B1 (East of Lor Sesuai)	678	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37130.11	20569.86	1.7	20
BBNC_B1 (East of Lor Sesuai)	679	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37116.82	20560.71	1	14
BBNC_B1 (East of Lor Sesuai)	680	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37120.25	20569.44	1.8	20
BBNC_B1 (East of Lor Sesuai)	681	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37141.25	20562.66	1	16
BBNC_B1 (East of Lor Sesuai)	682	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37140.33	20574.59	2.1	16
BBNC_B1 (East of Lor Sesuai)	683	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37136.59	20566.25	1	16
BBNC_B1 (East of Lor Sesuai)	684	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37137.91	20564.88	1	12
BBNC_B1 (East of Lor Sesuai)	685	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37141.43	20560.73	2	20
BBNC_B1 (East of Lor Sesuai)	686	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37146.4	20564.64	2	25
BBNC_B1 (East of Lor Sesuai)	687	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37147.42	20565.87	1.7	25
BBNC_B1 (East of Lor Sesuai)	688	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37150.78	20575.62	1.3	16

BBNC_B1 (East of Lor Sesuai)	689	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37150.1	20567.4	1.3	12
BBNC_B1 (East of Lor Sesuai)	690	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37150.37	20559.59	1.6	18
BBNC_B1 (East of Lor Sesuai)	691	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37154.32	20561.23	1.3	20
BBNC_B1 (East of Lor Sesuai)	692	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37158.99	20558.71	1.1	16
BBNC_B1 (East of Lor Sesuai)	693	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37158.9	20562.25	1.8	18
BBNC_B1 (East of Lor Sesuai)	694	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37158.77	20565.3	1.4	20
BBNC_B1 (East of Lor Sesuai)	695	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37155.22	20575.17	2	20
BBNC_B1 (East of Lor Sesuai)	697	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37191.03	20563.05	1.6	18
BBNC_B1 (East of Lor Sesuai)	698	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37189.29	20558.67	2	20
BBNC_B1 (East of Lor Sesuai)	699	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37194.3	20555.3	2	20
BBNC_B1 (West of Lor Sesuai)	700	<i>Saraca indica</i>	Fabaceae	Exotic	Cultivated only	Tree	37096.213	20580.65	1.2	12
BBNC_B1 (East of Lor Sesuai)	701	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37016.86	20647.45	1.6	16
BBNC_B1 (East of Lor Sesuai)	702	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37025.33	20636.38	1.2	12
BBNC_B1 (East of Lor Sesuai)	703	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37053.96	20650.79	1	14
BBNC_B1 (East of Lor Sesuai)	704	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	37047.57	20648.65	1	6
BBNC_B1 (East of Lor Sesuai)	705	<i>Memecylon sp.</i>	Melastomataceae	Undetermined	Undetermined	Tree	37050.48	20644.99	0.3	5
BBNC_B1 (East of Lor Sesuai)	706	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37058.42	20654.24	1.4	15
BBNC_B1 (East of Lor Sesuai)	707	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37058.96	20661.69	1.3	18
BBNC_B1 (East of Lor Sesuai)	708	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37053.72	20665.68	1.4	18
BBNC_B1 (East of Lor Sesuai)	709	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37093.12	20658.89	1.4	14
BBNC_B1 (East of Lor Sesuai)	710	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37093.26	20653.7	1.7	20
BBNC_B1 (East of Lor Sesuai)	711	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37089.33	20650.99	1.7	22
BBNC_B1 (East of Lor Sesuai)	712	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37094.62	20644.47	2.2	20
BBNC_B1 (East of Lor Sesuai)	713	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37103.12	20649.88	2.3	20
BBNC_B1 (East of Lor Sesuai)	714	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37074.44	20643.11	1.3	14
BBNC_B1 (East of Lor Sesuai)	715	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37091.65	20653.26	1.2	20
BBNC_B1 (East of Lor Sesuai)	716	<i>Memecylon sp.</i>	Melastomataceae	Undetermined	Undetermined	Tree	37082.29	20650.82	0.3	6
BBNC_B1 (East of Lor Sesuai)	719	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37088.84	20643.93	1	20
BBNC_B1 (East of Lor Sesuai)	721	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37080.95	20646.92	2.8	20
BBNC_B1 (East of Lor Sesuai)	722	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37073.8	20651.04	3.4	28
BBNC_B1 (East of Lor Sesuai)	723	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37071.29	20661.11	1.3	12
BBNC_B1 (East of Lor Sesuai)	724	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37073.12	20665.32	1.2	16
BBNC_B1 (East of Lor Sesuai)	725	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37086.68	20653.98	2.8	20
BBNC_B1 (East of Lor Sesuai)	727	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37075.44	20653.06	2	20
BBNC_B1 (East of Lor Sesuai)	728	<i>Aidia densiflora</i>	Rubiaceae	Native	Vulnerable	Tree	37063.58	20654.97	0.3	4
BBNC_B1 (East of Lor Sesuai)	729	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37063.36	20659.28	1.3	16
BBNC_B1 (East of Lor Sesuai)	730	<i>Calophyllum tetrapterum</i>	Calophyllaceae	Native	Vulnerable	Tree	37062.7	20646.51	0.4	6
BBNC_B1 (East of Lor Sesuai)	731	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37076.76	20630.55	1.4	16
BBNC_B1 (East of Lor Sesuai)	732	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37079.96	20627.09	1.5	16
BBNC_B1 (East of Lor Sesuai)	733	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37068.36	20627.51	1.2	20
BBNC_B1 (East of Lor Sesuai)	734	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37070.98	20625.46	1.5	20
BBNC_B1 (East of Lor Sesuai)	735	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37068.59	20617.95	2.3	20
BBNC_B1 (East of Lor Sesuai)	736	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37056.44	20614.89	2.8	20
BBNC_B1 (East of Lor Sesuai)	737	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37065.75	20614.94	3	20
BBNC_B1 (East of Lor Sesuai)	738	<i>Glochidion cf. zeylanicum var. arborescens</i>	Phyllanthaceae	Native	Critically endangered	Tree	37050.7	20605.04	0.5	6
BBNC_B1 (East of Lor Sesuai)	740	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37030.06	20633.44	1	12
BBNC_B1 (East of Lor Sesuai)	741	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37042.46	20628.08	1.4	18
BBNC_B1 (East of Lor Sesuai)	743	<i>Aidia densiflora</i>	Rubiaceae	Native	Vulnerable	Tree	37044.5	20630.4	0.5	5
BBNC_B1 (East of Lor Sesuai)	744	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37048.83	20644.55	1.6	14
BBNC_B1 (East of Lor Sesuai)	745	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37036.3	20644.17	1.1	10
BBNC_B1 (East of Lor Sesuai)	746	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37059.7	20662.56	2.2	16
BBNC_B1 (East of Lor Sesuai)	748	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37052.71	20666.39	2.5	18

BBNC_B1 (East of Lor Sesuai)	749	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37052.16	20672.26	1.2	16
BBNC_B1 (East of Lor Sesuai)	750	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37053.95	20665.14	1.4	16
BBNC_B1 (East of Lor Sesuai)	751	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37043.4	20673.43	1.1	18
BBNC_B1 (East of Lor Sesuai)	754	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37064.92	20663.02	1.3	16
BBNC_B1 (East of Lor Sesuai)	757	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37039.6	20686.16	1.1	15
BBNC_B1 (East of Lor Sesuai)	758	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37059.61	20677.04	1.3	14
BBNC_B1 (East of Lor Sesuai)	759	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37051.98	20683.27	1.1	18
BBNC_B1 (East of Lor Sesuai)	760	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37057.4	20684.38	3	20
BBNC_B1 (East of Lor Sesuai)	761	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37040.04	20689.72	1.4	20
BBNC_B1 (East of Lor Sesuai)	765	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37038.93	20684.16	1.7	20
BBNC_B1 (East of Lor Sesuai)	766	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37041.92	20684.72	1.4	18
BBNC_B1 (East of Lor Sesuai)	768	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37028.98	20688.94	2	20
BBNC_B1 (East of Lor Sesuai)	769	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37026.66	20688.28	1.1	16
BBNC_B1 (East of Lor Sesuai)	770	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37030.86	20682.49	2	22
BBNC_B1 (East of Lor Sesuai)	771	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37032.3	20675.03	1.1	15
BBNC_B1 (East of Lor Sesuai)	772	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37026.66	20673.7	1.2	12
BBNC_B1 (East of Lor Sesuai)	773	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37023.23	20670.14	1	12
BBNC_B1 (East of Lor Sesuai)	774	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37019.03	20662.34	1.6	20
BBNC_B1 (East of Lor Sesuai)	775	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37021.02	20654.44	1.1	16
BBNC_B1 (East of Lor Sesuai)	776	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37021.35	20644.54	1.1	12
BBNC_B1 (East of Lor Sesuai)	777	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37019.36	20651.89	1.3	10
BBNC_B1 (East of Lor Sesuai)	778	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37017.04	20651.44	1.3	16
BBNC_B1 (East of Lor Sesuai)	779	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37013.72	20651.33	1	18
BBNC_B1 (East of Lor Sesuai)	780	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37002.89	20662.01	1.2	15
BBNC_B1 (East of Lor Sesuai)	781	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37001.12	20664.35	1.3	18
BBNC_B1 (East of Lor Sesuai)	782	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36999.9	20666.13	1.1	18
BBNC_B1 (East of Lor Sesuai)	783	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36993.27	20691.84	1.3	16
BBNC_B1 (East of Lor Sesuai)	785	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36993.27	20695.62	3.2	20
BBNC_B1 (East of Lor Sesuai)	786	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36998.35	20702.74	1.6	18
BBNC_B1 (East of Lor Sesuai)	787	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37010.3	20700.3	1.6	20
BBNC_B1 (East of Lor Sesuai)	789	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37012.73	20706.97	1.8	18
BBNC_B1 (East of Lor Sesuai)	791	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	37002.89	20704.75	1	14
BBNC_B1 (East of Lor Sesuai)	792	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37004.99	20701.63	1.7	22
BBNC_B1 (East of Lor Sesuai)	793	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36992.38	20710.2	1.8	15
BBNC_B1 (East of Lor Sesuai)	794	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36997.25	20710.76	2	18
BBNC_B1 (East of Lor Sesuai)	795	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36991.61	20712.87	1.4	14
BBNC_B1 (East of Lor Sesuai)	796	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36981.66	20721.55	2.4	20
BBNC_B1 (West of Lor Sesuai)	797	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37076.919	20616.543	3.3	18
BBNC_B1 (West of Lor Sesuai)	798	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37095.206	20617.802	1.3	8
BBNC_B1 (West of Lor Sesuai)	799	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37096.317	20598.45	2	15
BBNC_B1 (West of Lor Sesuai)	800	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37102.752	20592.025	1.2	13
BBNC_B1 (East of Lor Sesuai)	801	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36919.915	20736.505	1.7	15
BBNC_B1 (East of Lor Sesuai)	802	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	36926.876	20737.39	0.3	8
BBNC_B1 (East of Lor Sesuai)	803	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36950.512	20714.776	1.4	18
BBNC_B1 (East of Lor Sesuai)	804	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36964.078	20708.849	1	16
BBNC_B1 (East of Lor Sesuai)	805	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36950.687	20704.059	2.1	20
BBNC_B1 (East of Lor Sesuai)	806	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36965.688	20699.626	1.9	18
BBNC_B1 (East of Lor Sesuai)	809	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36985.107	20710.949	2	18
BBNC_B1 (East of Lor Sesuai)	810	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36945.063	20702.596	1	14
BBNC_B1 (East of Lor Sesuai)	811	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36954.695	20688.504	1	16
BBNC_B1 (East of Lor Sesuai)	812	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36973.018	20684.332	1.8	8
BBNC_B1 (East of Lor Sesuai)	813	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36978.631	20679.784	1.1	15

BBNC_B1 (East of Lor Sesuai)	814	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36973.658	20679.363	1.8	16
BBNC_B1 (East of Lor Sesuai)	815	<i>Ficus vasculosa</i>	Moraceae	Native	Common	Tree	36978.303	20673.558	0.3	10
BBNC_B1 (East of Lor Sesuai)	816	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36988.505	20669.992	2.8	20
BBNC_B1 (East of Lor Sesuai)	817	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36990.281	20667.349	1.8	20
BBNC_B1 (East of Lor Sesuai)	818	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36991.153	20664.247	1.3	17
BBNC_B1 (East of Lor Sesuai)	819	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37002.095	20647.846	2	22
BBNC_B1 (East of Lor Sesuai)	820	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37009.239	20648.178	2.5	20
BBNC_B1 (East of Lor Sesuai)	821	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36998.177	20650.588	2	10
BBNC_B1 (East of Lor Sesuai)	822	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36986.505	20657.531	1.2	10
BBNC_B1 (East of Lor Sesuai)	823	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36960.069	20674.267	2	20
BBNC_B1 (East of Lor Sesuai)	824	<i>Maniltoa browneoides</i>	Fabaceae	Exotic	Cultivated only	Tree	36939.416	20683.266	1.4	14
BBNC_B1 (East of Lor Sesuai)	825	<i>Dyopsis lucubensis</i>	Arecaceae	Exotic	Cultivated only	Palm	36939.541	20675.159	1	14
BBNC_B1 (East of Lor Sesuai)	826	<i>Maniltoa browneoides</i>	Fabaceae	Exotic	Cultivated only	Tree	36945.318	20671.704	1.3	14
BBNC_B1 (East of Lor Sesuai)	827	<i>Dyopsis lucubensis</i>	Arecaceae	Exotic	Cultivated only	Palm	36950.393	20672.41	1.2	14
BBNC_B1 (East of Lor Sesuai)	828	<i>Adinobotrys atropurpureus</i>	Fabaceae	Exotic	Casual	Tree	36955.396	20666.218	2.5	16
BBNC_B1 (West of Lor Sesuai)	829	<i>Ficus cf. rumphii</i>	Moraceae	Exotic	Undetermined	Strangler	36578.84	20050.77	3	14
BBNC_B1 (West of Lor Sesuai)	830	<i>Saraca thaipingensis</i>	Fabaceae	Exotic	Cultivated only	Tree	36583.35	20052.9	1.2	8
BBNC_B1 (West of Lor Sesuai)	831	<i>Saraca thaipingensis</i>	Fabaceae	Exotic	Cultivated only	Tree	36587.01	20057.4	1.2	6
BBNC_B1 (West of Lor Sesuai)	832	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36577.82	20061.99	1.8	6
BBNC_B1 (West of Lor Sesuai)	833	<i>Ficus sp.</i>	Moraceae	Undetermined	Undetermined	Strangler	36581.87	20063.85	3	8
BBNC_B1 (West of Lor Sesuai)	834	<i>Andira inermis</i>	Fabaceae	Exotic	Casual	Tree	36588.88	20081.12	1	14
BBNC_B1 (West of Lor Sesuai)	835	<i>Andira inermis</i>	Fabaceae	Exotic	Casual	Tree	36594.74	20115.46	1.2	15
BBNC_B1 (West of Lor Sesuai)	836	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36595.72	20122.68	1.5	16
BBNC_B1 (West of Lor Sesuai)	837	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36604.85	20135.41	1.6	18
BBNC_B1 (West of Lor Sesuai)	838	<i>Ficus benghalensis</i>	Moraceae	Exotic	Casual	Strangler	36601.1	20138.28	1.5	9
BBNC_B1 (West of Lor Sesuai)	839	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36594.28	20144.91	1.1	20
BBNC_B1 (West of Lor Sesuai)	840	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36599.9	20157.63	1.9	25
BBNC_B1 (West of Lor Sesuai)	841	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36593.69	20186.93	1.2	14
BBNC_B1 (West of Lor Sesuai)	842	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36594.36	20193.17	1.3	16
BBNC_B1 (West of Lor Sesuai)	843	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36608.8	20198	1.1	12
BBNC_B1 (West of Lor Sesuai)	844	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36609.35	20203.73	1.4	15
BBNC_B1 (West of Lor Sesuai)	845	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	36621.72	20200	1.4	16
BBNC_B1 (West of Lor Sesuai)	846	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36625.6	20197.91	1.8	25
BBNC_B1 (West of Lor Sesuai)	847	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	36623.58	20203.75	1	18
BBNC_B1 (West of Lor Sesuai)	848	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	36886.454	20913.882	1	14
BBNC_B1 (West of Lor Sesuai)	849	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	36630.27	20190.94	1.4	16
BBNC_B1 (West of Lor Sesuai)	850	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36612.42	20189.56	2.6	18
BBNC_B1 (West of Lor Sesuai)	851	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	36621.12	20186.73	1.2	16
BBNC_B1 (West of Lor Sesuai)	852	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36600.25	20169.47	1.6	12
BBNC_B1 (West of Lor Sesuai)	853	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36615.54	20159.09	2.2	30
BBNC_B1 (West of Lor Sesuai)	854	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36611.66	20152.96	2	16
BBNC_B1 (West of Lor Sesuai)	855	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36613.66	20143.69	2	18
BBNC_B1 (West of Lor Sesuai)	856	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36609.19	20141.36	1.5	16
BBNC_B1 (West of Lor Sesuai)	857	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36609.39	20134.78	2.4	20
BBNC_B1 (West of Lor Sesuai)	858	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36602.25	20140.99	1.2	22
BBNC_B1 (West of Lor Sesuai)	859	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36601.52	20129.52	1.1	14
BBNC_B1 (West of Lor Sesuai)	860	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36603.86	20127.46	1.1	18
BBNC_B1 (West of Lor Sesuai)	861	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36606.46	20137.82	2.2	16
BBNC_B1 (West of Lor Sesuai)	862	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36612.36	20105.31	1.1	12
BBNC_B1 (West of Lor Sesuai)	863	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36601.4	20102.65	1.2	14
BBNC_B1 (West of Lor Sesuai)	864	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36610.38	20098.18	1.3	14
BBNC_B1 (West of Lor Sesuai)	865	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36607.2	20097.22	2.3	16

BBNC_B1 (West of Lor Sesuai)	866	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36599.17	20092.05	1	12
BBNC_B1 (West of Lor Sesuai)	867	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36604.79	20088.85	1.1	14
BBNC_B1 (West of Lor Sesuai)	868	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36611.54	20080.44	1.2	10
BBNC_B1 (West of Lor Sesuai)	869	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36603.11	20080.25	1	16
BBNC_B1 (West of Lor Sesuai)	870	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36598.62	20068.59	1.3	14
BBNC_B1 (West of Lor Sesuai)	871	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36610.01	20071.64	2.7	25
BBNC_B1 (West of Lor Sesuai)	872	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36610.91	20072.1	1	16
BBNC_B1 (West of Lor Sesuai)	873	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36622.69	20076.12	10	25
BBNC_B1 (West of Lor Sesuai)	874	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36616.28	20051.04	1.6	18
BBNC_B1 (West of Lor Sesuai)	875	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	36610.39	20072.78	1.1	15
BBNC_B1 (West of Lor Sesuai)	876	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36561.45	20071.96	2.2	20
BBNC_B1 (West of Lor Sesuai)	878	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36578.53	20077.14	1.5	14
BBNC_B1 (West of Lor Sesuai)	879	<i>Calophyllum soulattri</i>	Calophyllaceae	Exotic	Not assessed	Tree	36576.24	20080.51	1	12
BBNC_B1 (West of Lor Sesuai)	881	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36574.06	20081.34	1.6	20
BBNC_B1 (West of Lor Sesuai)	882	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36578.39	20090.82	1.2	20
BBNC_B1 (West of Lor Sesuai)	883	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36578.52	20091.05	1	14
BBNC_B1 (West of Lor Sesuai)	884	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36575.92	20094.84	1.5	25
BBNC_B1 (West of Lor Sesuai)	886	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36575.5	20101.57	2.6	25
BBNC_B1 (West of Lor Sesuai)	887	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36564.87	20104.74	1.5	20
BBNC_B1 (West of Lor Sesuai)	888	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36586.99	20121.44	1.4	14
BBNC_B1 (West of Lor Sesuai)	889	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36584.44	20112.3	1.9	10
BBNC_B1 (West of Lor Sesuai)	890	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36578.23	20118.36	1.6	15
BBNC_B1 (West of Lor Sesuai)	891	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36577.41	20127.73	2	16
BBNC_B1 (West of Lor Sesuai)	892	<i>Saraca thaipingensis</i>	Fabaceae	Exotic	Cultivated only	Tree	36577.55	20120.73	1.2	8
BBNC_B1 (West of Lor Sesuai)	893	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36566.09	20133.03	1.5	20
BBNC_B1 (West of Lor Sesuai)	894	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36559.81	20145.3	3.1	25
BBNC_B1 (West of Lor Sesuai)	895	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36564.31	20147.76	2.9	90
BBNC_B1 (West of Lor Sesuai)	896	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36567.76	20155.38	3	25
BBNC_B1 (West of Lor Sesuai)	898	<i>Arfeuillea arborescens</i>	Sapindaceae	Exotic	Cultivated only	Tree	36567.99	20158.83	1.6	20
BBNC_B1 (West of Lor Sesuai)	899	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36585.07	20162.17	1.4	19
BBNC_B1 (West of Lor Sesuai)	900	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36577.04	20162.17	2.3	25
BBNC_A2	901	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37001.942	20834.676	1.6	25
BBNC_A2	902	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37003.277	20833.214	1.5	25
BBNC_A2	903	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37003.225	20830.349	1.8	22
BBNC_A2	904	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37010.089	20836.505	2.1	8
BBNC_A2	905	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37014.453	20833.675	1.1	16
BBNC_A2	906	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37016.96	20828.605	1.4	18
BBNC_A2	907	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37024.174	20828.454	10	20
BBNC_A2	908	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37033.275	20832.856	1.5	20
BBNC_A2	909	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37038.146	20829.397	1.8	15
BBNC_A2	910	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37039.003	20822.605	2	14
BBNC_A2	911	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37038.712	20820.651	1.4	15
BBNC_A2	912	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37065.17	20852.138	10	20
BBNC_A2	913	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37053.426	20863.548	2	16
BBNC_A2	914	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37041.246	20866.834	2.2	18
BBNC_A2	915	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37034.717	20850.178	1.1	13
BBNC_A2	917	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37029.37	20845.791	8	20
BBNC_A2	918	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37019.073	20853.441	2.2	18
BBNC_A2	919	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37020.485	20862.861	1.6	10
BBNC_A2	920	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37000.826	20855.929	1.2	12
BBNC_A2	922	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36977.965	20846.331	1.4	14
BBNC_A2	923	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36974.622	20836.024	4.4	25



BBNC_A2	925	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36946.7	20846.53	1.8	20
BBNC_A2	926	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36946.196	20854.141	1.1	17
BBNC_A2	927	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	36946.191	20855.418	0.7	9
BBNC_A2	928	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36937.407	20855.912	1.1	12
BBNC_A2	929	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	36934.352	20857.322	1.4	15
BBNC_A2	930	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36926.629	20858.624	1.2	25
BBNC_A2	931	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36921.125	20855.499	1.8	20
BBNC_A2	932	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36916.805	20860.561	5	22
BBNC_A2	934	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37020.92	20812.66	1.5	12
BBNC_A2	935	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37022.15	20816.63	2.8	20
BBNC_A2	936	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37012.91	20825.07	1.5	18
BBNC_A2	937	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37024.94	20848.66	1.2	16
BBNC_A2	938	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37006.81	20830.11	1	14
BBNC_A2	939	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37010.03	20823.22	1.6	18
BBNC_A2	941	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36993.64	20825.91	1	15
BBNC_A2	942	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	37029.79	20803.06	0.7	8
BBNC_A2	943	<i>Ficus auriculata</i>	Moraceae	Exotic	Cultivated only	Tree	37042.92	20813.3	1	8
BBNC_A2	944	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37067.72	20798.77	6	25
BBNC_A2	945	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37078.56	20797.61	2	9
BBNC_A2	946	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	37107.16	20733.68	1.4	16
BBNC_A2	947	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37105.63	20733.48	1.1	10
BBNC_A2	948	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37111.94	20734.18	1.4	12
BBNC_A2	949	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37099.59	20742.33	1.4	14
BBNC_A2	950	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37090.31	20719.51	5	25
BBNC_A2	951	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37088.77	20725.65	1.3	14
BBNC_A2	952	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37085.43	20734.51	1.9	10
BBNC_A2	953	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37084.1	20717.37	1.3	12
BBNC_A2	954	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37089.99	20722.15	1.4	10
BBNC_A2	955	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37098.16	20736.89	1	10
BBNC_A2	956	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37086.77	20717.82	1	10
BBNC_A2	957	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37091.72	20723.14	1.3	18
BBNC_A2	958	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37083.57	20718.62	1.6	18
BBNC_A2	959	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37078.33	20702.15	1.6	20
BBNC_A2	960	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37078.18	20706.38	1.1	20
BBNC_A2	961	<i>Strombosia javanica</i>	Olivaceae	Native	Vulnerable	Tree	37082.11	20706.64	0.3	7
BBNC_A2	963	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37084.64	20706.88	4	25
BBNC_A2	965	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37077.38	20698.34	2.5	25
BBNC_A2	966	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37083.83	20696.45	1.1	7
BBNC_A2	968	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37091.04	20702.52	1.4	22
BBNC_A2	969	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37097.87	20696.7	1.5	14
BBNC_A2	970	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37104.22	20702.56	1.8	16
BBNC_A2	971	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37087.07	20690.14	1.4	16
BBNC_A2	972	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37103.81	20671.93	1.3	15
BBNC_A2	974	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37092.25	20690.05	1.3	22
BBNC_A2	975	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37116.18	20665.67	1.8	20
BBNC_A2	980	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37104.52	20659.72	1.4	18
BBNC_A2	981	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37104.19	20656.54	2	18
BBNC_A2	983	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37075.72	20673.2	3	22
BBNC_A2	984	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37075.29	20676.7	3.8	25
BBNC_A2	986	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37077.54	20674.49	3.8	23
BBNC_A2	989	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37076.09	20686.95	1	15
BBNC_A2	990	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37072.46	20687.85	2.2	22

BBNC_A2	991	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37059.88	20695.72	2.8	22
BBNC_A2	993	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37074.36	20708.88	2.2	22
BBNC_A2	996	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37072.69	20698.06	1.6	20
BBNC_A2	997	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37064.37	20701.55	1	15
BBNC_A2	998	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37069.04	20700.57	2.5	20
BBNC_B1 (West of Lor Sesuai)	1003	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36958.754	20513.954	1	18
BBNC_B1 (West of Lor Sesuai)	1004	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36934.672	20529.207	1.3	20
BBNC_B1 (West of Lor Sesuai)	1006	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36937.377	20541.413	3.4	20
BBNC_B1 (West of Lor Sesuai)	1007	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36936.912	20545.172	1.3	16
BBNC_B1 (West of Lor Sesuai)	1008	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36929.582	20541.49	1.3	16
BBNC_B1 (West of Lor Sesuai)	1009	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36924.049	20539.656	1.1	16
BBNC_B1 (West of Lor Sesuai)	1010	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36920.346	20542.181	1.1	16
BBNC_B1 (West of Lor Sesuai)	1011	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	36919.086	20539.262	0.5	14
BBNC_B1 (West of Lor Sesuai)	1012	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	36919.332	20540.781	0.3	12
BBNC_B1 (West of Lor Sesuai)	1013	<i>Knema communis</i>	Myristicaceae	Native	Vulnerable	Tree	36920.304	20544.976	0.6	17
BBNC_B1 (West of Lor Sesuai)	1014	<i>Knema communis</i>	Myristicaceae	Native	Vulnerable	Tree	36916.779	20548.214	0.5	15
BBNC_B1 (West of Lor Sesuai)	1016	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36919.19	20547.922	3.2	20
BBNC_B1 (West of Lor Sesuai)	1017	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36919.734	20550.177	1	14
BBNC_B1 (West of Lor Sesuai)	1018	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36920.165	20551.13	1	14
BBNC_B1 (West of Lor Sesuai)	1019	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36914.77	20551.604	2.2	20
BBNC_B1 (West of Lor Sesuai)	1020	<i>Xanthophyllum vitellinum</i>	Polygalaceae	Native	Vulnerable	Tree	36907.75	20556.933	0.3	8
BBNC_B1 (East of Lor Sesuai)	1101	<i>Dyera costulata</i>	Apocynaceae	Native	Common	Tree	37058.527	20598.215	1.1	18
BBNC_B1 (East of Lor Sesuai)	1102	<i>Dyera costulata</i>	Apocynaceae	Native	Common	Tree	37056.315	20600.342	1	18
BBNC_B1 (East of Lor Sesuai)	1103	<i>Dyera costulata</i>	Apocynaceae	Native	Common	Tree	37048.839	20604.927	1.4	18
BBNC_B1 (East of Lor Sesuai)	1104	<i>Dyera costulata</i>	Apocynaceae	Native	Common	Tree	37045.882	20605.57	1.2	17
BBNC_B1 (East of Lor Sesuai)	1110	<i>Khaya nyasica</i>	Meliaceae	Exotic	Cultivated only	Tree	37029.424	20619.339	1.9	25
BBNC_B1 (East of Lor Sesuai)	1111	<i>Pentaspadon motleyi</i>	Anacardiaceae	Exotic	Cultivated only	Tree	37026.743	20622.3	1.2	20
BBNC_B1 (East of Lor Sesuai)	1112	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37014.906	20628.271	2.8	25
BBNC_B1 (East of Lor Sesuai)	1113	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37007.904	20624.625	2.8	25
BBNC_B1 (East of Lor Sesuai)	1114	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37017.058	20637.271	3.2	25
BBNC_B1 (West of Lor Sesuai)	1115	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36967.495	20622.925	3	5
BBNC_B1 (West of Lor Sesuai)	1116	<i>Roystonea regia</i>	Arecaceae	Exotic	Cultivated only	Palm	36965.612	20627.8	1.2	14
BBNC_B1 (West of Lor Sesuai)	1117	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36970.755	20613.557	1.8	20
BBNC_B1 (West of Lor Sesuai)	1118	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36977.678	20608.018	2.8	25
BBNC_B1 (West of Lor Sesuai)	1119	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36956.944	20634.241	3.2	18
BBNC_B1 (West of Lor Sesuai)	1121	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36951.985	20637.21	3	11
BBNC_B1 (West of Lor Sesuai)	1122	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36943.971	20639.087	1.5	13
BBNC_B1 (West of Lor Sesuai)	1123	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36948.063	20636.987	3	6
BBNC_B1 (West of Lor Sesuai)	1124	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36939.219	20642.665	1.3	10
BBNC_B1 (West of Lor Sesuai)	1125	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36929.474	20648.723	1.5	15
BBNC_B1 (West of Lor Sesuai)	1126	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36928.926	20650.179	2.6	20
BBNC_B1 (West of Lor Sesuai)	1127	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36924.905	20653.922	1.5	15
BBNC_B1 (West of Lor Sesuai)	1128	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36924.715	20655.545	1.3	15
BBNC_B1 (West of Lor Sesuai)	1129	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36922.823	20658.903	1.7	16
BBNC_C1 (BBNP)	1138	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36921.874	20605.65	1.3	15
BBNC_B1 (West of Lor Sesuai)	1201	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36574.238	20167.147	2.4	18
BBNC_B1 (West of Lor Sesuai)	1203	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36578.179	20171.092	1.3	18
BBNC_B1 (West of Lor Sesuai)	1204	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36580.408	20168.411	1	10
BBNC_B1 (West of Lor Sesuai)	1205	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36582.054	20172.795	1.5	16
BBNC_B1 (West of Lor Sesuai)	1206	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36579.89	20173.844	1	14
BBNC_B1 (West of Lor Sesuai)	1207	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36572.124	20179.594	1.6	16
BBNC_B1 (West of Lor Sesuai)	1209	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36578.383	20184.706	1	16

BBNC_B1 (West of Lor Sesuai)	1210	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36576.241	20188.44	1.3	16
BBNC_B1 (West of Lor Sesuai)	1213	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36571.994	20197.054	2.2	18
BBNC_B1 (West of Lor Sesuai)	1215	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36577.292	20199.79	1.5	16
BBNC_B1 (West of Lor Sesuai)	1218	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36585.492	20191.919	1.3	18
BBNC_B1 (West of Lor Sesuai)	1219	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36587.223	20195.734	2.8	20
BBNC_B1 (West of Lor Sesuai)	1220	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36582.226	20197.885	1.3	14
BBNC_B1 (West of Lor Sesuai)	1221	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36592.371	20197.117	2.1	12
BBNC_B1 (West of Lor Sesuai)	1226	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	36615.577	20052.981	1	12
BBNC_B1 (West of Lor Sesuai)	1227	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36636.26	20020.573	1.8	18
BBNC_B1 (West of Lor Sesuai)	1228	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36638.414	20016.44	1.4	18
BBNC_B1 (West of Lor Sesuai)	1229	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36638.762	20016.08	1.8	20
BBNC_B1 (West of Lor Sesuai)	1230	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36631.549	20008.331	1.5	20
BBNC_B1 (West of Lor Sesuai)	1231	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36629.185	20016.959	1.1	12
BBNC_B1 (West of Lor Sesuai)	1232	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36623.979	20017.76	1.4	20
BBNC_B1 (West of Lor Sesuai)	1233	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36622.973	20017.255	1	14
BBNC_B1 (West of Lor Sesuai)	1234	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36616.662	20014.191	1.3	18
BBNC_B1 (West of Lor Sesuai)	1235	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36621.897	20007.624	1.5	18
BBNC_B1 (West of Lor Sesuai)	1236	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36614.868	20004.693	1.7	16
BBNC_B1 (West of Lor Sesuai)	1237	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36636.743	20003.256	1.4	19
BBNC_B1 (West of Lor Sesuai)	1238	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36653.232	20014.545	1.6	12
BBNC_B1 (West of Lor Sesuai)	1239	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36661.064	20018.407	3.6	25
BBNC_B1 (West of Lor Sesuai)	1240	<i>Syzygium cf. grande</i>	Myrtaceae	Native	Common	Tree	36668.409	20003.233	2.6	20
BBNC_B1 (West of Lor Sesuai)	1241	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36675.092	20001.24	1.4	20
BBNC_B1 (West of Lor Sesuai)	1242	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36667.312	19999.597	2.6	22
BBNC_B1 (West of Lor Sesuai)	1243	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36672.796	19991.665	1.2	15
BBNC_B1 (West of Lor Sesuai)	1244	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36674.789	19987.068	1.6	25
BBNC_B1 (West of Lor Sesuai)	1245	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36667.545	19986.544	1.2	12
BBNC_B1 (West of Lor Sesuai)	1246	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36645.064	19996.823	3.1	22
BBNC_B1 (West of Lor Sesuai)	1247	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36640.803	19997.881	1.4	18
BBNC_B1 (West of Lor Sesuai)	1248	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36648.728	19978.659	1.3	9
BBNC_B1 (West of Lor Sesuai)	1249	<i>Erythrophleum cf. suaveolens</i>	Fabaceae	Exotic	Cultivated only	Tree	36651.74	19972.62	1.5	20
BBNC_B1 (West of Lor Sesuai)	1250	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36655.417	19968.953	1.5	9
BBNC_B1 (West of Lor Sesuai)	1251	<i>Saraca thaipingensis</i>	Fabaceae	Exotic	Cultivated only	Tree	36665.192	19968.268	1.8	9
BBNC_B1 (West of Lor Sesuai)	1252	<i>Tamarindus indica</i>	Bignoniaceae	Exotic	Casual	Tree	36665.405	19962.788	1.8	16
BBNC_B1 (West of Lor Sesuai)	1253	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36886.454	20913.882	1.1	19
BBNC_B1 (West of Lor Sesuai)	1254	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36649.58	19991.589	1.2	16
BBNC_B1 (West of Lor Sesuai)	1255	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36638.701	19958.661	2.9	20
BBNC_B1 (West of Lor Sesuai)	1256	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36682.75	20100.75	1.6	20
BBNC_B1 (West of Lor Sesuai)	1257	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	36687.06	20103.34	1	12
BBNC_B1 (West of Lor Sesuai)	1258	<i>Elaeocarpus mastersii</i>	Elaeocarpaceae	Native	Common	Tree	36685.76	20110.08	1.2	15
BBNC_B1 (West of Lor Sesuai)	1259	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36682.82	20111.55	2	18
BBNC_B1 (West of Lor Sesuai)	1260	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36685.07	20116.91	1.5	18
BBNC_B1 (West of Lor Sesuai)	1261	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36669.96	20124.65	1	20
BBNC_B1 (West of Lor Sesuai)	1262	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36676.57	20124.59	3	614
BBNC_B1 (West of Lor Sesuai)	1263	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36678.84	20124.01	2.7	22
BBNC_B1 (West of Lor Sesuai)	1264	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	36691.54	20137.49	0.6	9
BBNC_B1 (West of Lor Sesuai)	1265	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36698.36	20127.6	3	16
BBNC_B1 (West of Lor Sesuai)	1266	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36672.18	20151.37	1.2	16
BBNC_B1 (West of Lor Sesuai)	1267	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36673.12	20151.04	1	16
BBNC_B1 (West of Lor Sesuai)	1268	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36667.58	20144.52	1.4	16
BBNC_B1 (West of Lor Sesuai)	1269	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36665.65	20149.23	2.4	16
BBNC_B1 (West of Lor Sesuai)	1270	<i>Campnosperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36662.19	20136.76	1.8	22

BBNC_B1 (West of Lor Sesuai)	1271	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36660.29	20138.96	2.2	16
BBNC_B1 (West of Lor Sesuai)	1272	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36663.07	20154.97	2	22
BBNC_B1 (West of Lor Sesuai)	1274	<i>Carallia suffruticosa</i>	Rhizophoraceae	Exotic	Cultivated only	Tree	36651.41	20148.96	1.3	20
BBNC_B1 (West of Lor Sesuai)	1275	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36637.24	20163.72	2.7	25
BBNC_B1 (West of Lor Sesuai)	1276	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36655.79	20169.63	2.3	25
BBNC_B1 (West of Lor Sesuai)	1278	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36667.91	20165.36	1	15
BBNC_B1 (West of Lor Sesuai)	1279	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36667.23	20166.95	2.8	25
BBNC_B1 (West of Lor Sesuai)	1286	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36664.14	20199.99	3	25
BBNC_B1 (West of Lor Sesuai)	1287	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36661.88	20210.19	2.6	20
BBNC_B1 (West of Lor Sesuai)	1288	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36678.78	20201.89	2.8	20
BBNC_B1 (West of Lor Sesuai)	1289	<i>Calophyllum tetrapterum</i>	Calophyllaceae	Native	Vulnerable	Tree	36688.11	20206.68	0.9	12
BBNC_B1 (West of Lor Sesuai)	1290	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36690.84	20212.3	1.6	16
BBNC_B1 (West of Lor Sesuai)	1291	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36691.8	20201.42	2.2	18
BBNC_B1 (West of Lor Sesuai)	1292	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	36693.36	20200.23	0.6	9
BBNC_B1 (West of Lor Sesuai)	1293	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36696.15	20195.99	2.4	18
BBNC_B1 (West of Lor Sesuai)	1294	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36697.7	20198.11	2.4	25
BBNC_B1 (West of Lor Sesuai)	1295	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36713.43	20189.1	1.8	22
BBNC_B1 (West of Lor Sesuai)	1297	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36955.433	20492.733	6	20
BBNC_B1 (West of Lor Sesuai)	1298	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36964.06	20495.259	3.5	20
BBNC_B1 (West of Lor Sesuai)	1299	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36957.813	20508.393	1	14
BBNC_B1 (West of Lor Sesuai)	1300	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36956.269	20514.264	2.4	20
BBNC_B1 (West of Lor Sesuai)	1301	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36635.83	20055.79	1.9	25
BBNC_B1 (West of Lor Sesuai)	1302	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36631.19	20072.31	1.1	14
BBNC_B1 (West of Lor Sesuai)	1303	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36625.21	20082.96	1.3	16
BBNC_B1 (West of Lor Sesuai)	1306	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36628.12	20081.54	1.5	14
BBNC_B1 (West of Lor Sesuai)	1309	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36625.45	20092.51	1.4	18
BBNC_B1 (West of Lor Sesuai)	1311	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36622.91	20122.07	1.3	16
BBNC_B1 (West of Lor Sesuai)	1312	<i>Astonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36631.33	20141.74	1.5	18
BBNC_B1 (West of Lor Sesuai)	1314	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36621.1	20143.55	0.6	9
BBNC_B1 (West of Lor Sesuai)	1316	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36638.73	20138.26	0.4	8
BBNC_B1 (West of Lor Sesuai)	1318	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36641.35	20141.4	0.6	10
BBNC_B1 (West of Lor Sesuai)	1319	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36646.18	20144.93	0.4	6
BBNC_B1 (West of Lor Sesuai)	1320	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36643.99	20135.38	1.5	25
BBNC_B1 (West of Lor Sesuai)	1321	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36649.09	20131.61	2.5	25
BBNC_B1 (West of Lor Sesuai)	1322	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36649.87	20134.7	0.5	8
BBNC_B1 (West of Lor Sesuai)	1323	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36635.71	20134.38	0.3	6
BBNC_B1 (West of Lor Sesuai)	1324	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36636.32	20100.36	1.1	10
BBNC_B1 (West of Lor Sesuai)	1325	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36629.42	20103.68	1.5	18
BBNC_B1 (West of Lor Sesuai)	1326	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36628.2	20101.62	1.5	20
BBNC_B1 (West of Lor Sesuai)	1327	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36641.39	20101.07	2.1	22
BBNC_B1 (West of Lor Sesuai)	1328	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36639.86	20085.29	2.1	22
BBNC_B1 (West of Lor Sesuai)	1330	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36648	20081.88	2.5	25
BBNC_B1 (West of Lor Sesuai)	1331	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36642.23	20078.73	1.1	15
BBNC_B1 (West of Lor Sesuai)	1333	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36653.8	20086.38	1.8	20
BBNC_B1 (West of Lor Sesuai)	1334	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36660.31	20102.42	1.4	16
BBNC_B1 (West of Lor Sesuai)	1335	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	36662.69	20104.66	1.2	16
BBNC_B1 (West of Lor Sesuai)	1337	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36677.61	20100.38	2	25
BBNC_B1 (West of Lor Sesuai)	1338	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36673.17	20100.52	1.4	22
BBNC_B1 (West of Lor Sesuai)	1339	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36684.35	20098.62	1.5	22
BBNC_B1 (West of Lor Sesuai)	1340	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36666.91	20086.72	1.7	20
BBNC_B1 (West of Lor Sesuai)	1341	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36671.67	20104.76	2.8	16
BBNC_B1 (West of Lor Sesuai)	1342	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36661.22	20126	1.5	18

BBNC_B1 (West of Lor Sesuai)	1343	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36657.4	20118.15	1.5	18
BBNC_B1 (West of Lor Sesuai)	1344	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36649.44	20112.41	3.4	30
BBNC_B1 (West of Lor Sesuai)	1345	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	36649.71	20120.02	0.5	6
BBNC_B1 (West of Lor Sesuai)	1346	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	36661.97	20130.86	1.6	18
BBNC_B1 (West of Lor Sesuai)	1348	<i>Endospermum diadenum</i>	Euphorbiaceae	Native	Vulnerable	Tree	36631.69	20108.29	1	14
BBNC_B1 (West of Lor Sesuai)	1349	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36637.45	20101.5	1.1	12
BBNC_B1 (West of Lor Sesuai)	1350	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36637.481	20050.94	1.2	12
BBNC_B1 (West of Lor Sesuai)	1351	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36641.2	20046.617	1.2	10
BBNC_B1 (West of Lor Sesuai)	1352	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36641.066	20047.643	1.4	10
BBNC_B1 (West of Lor Sesuai)	1353	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36643.842	20053.589	1.1	14
BBNC_B1 (West of Lor Sesuai)	1354	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36644.181	20056.464	1.5	20
BBNC_B1 (West of Lor Sesuai)	1355	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36651.091	20061.484	1	12
BBNC_B1 (West of Lor Sesuai)	1356	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36654.251	20053.908	3	20
BBNC_B1 (West of Lor Sesuai)	1357	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36659.026	20063.077	3	10
BBNC_B1 (West of Lor Sesuai)	1358	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36660.876	20060.945	1.1	12
BBNC_B1 (West of Lor Sesuai)	1359	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36664.764	20067.584	1.3	12
BBNC_B1 (West of Lor Sesuai)	1360	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36668.805	20066.279	1.6	16
BBNC_B1 (West of Lor Sesuai)	1361	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36668.37	20063.551	1.4	12
BBNC_B1 (West of Lor Sesuai)	1362	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36692.854	20073.79	2.6	14
BBNC_B1 (West of Lor Sesuai)	1363	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36694.653	20074.93	1.6	16
BBNC_B1 (West of Lor Sesuai)	1364	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36696.11	20075.033	2.8	20
BBNC_B1 (West of Lor Sesuai)	1365	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36684.497	20064.843	1.2	15
BBNC_B1 (West of Lor Sesuai)	1366	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36679.916	20061.111	1.2	16
BBNC_B1 (West of Lor Sesuai)	1367	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	36676.968	20054.85	1.1	10
BBNC_B1 (West of Lor Sesuai)	1368	<i>Gnetum gnemon var. gnemon</i>	Gnetaceae	Native	Critically endangered	Tree	36659.885	20035.902	1	10
BBNC_B1 (West of Lor Sesuai)	1369	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36669.667	20034.993	1	12
BBNC_B1 (West of Lor Sesuai)	1370	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36684.302	20040.22	1.1	12
BBNC_B1 (West of Lor Sesuai)	1371	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36708.238	20078.512	5	16
BBNC_B1 (West of Lor Sesuai)	1372	<i>Strombosia javanica</i>	Olaceae	Native	Vulnerable	Tree	36702.451	20036.854	0.3	4
BBNC_B1 (West of Lor Sesuai)	1373	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36694.727	20026.324	1.6	16
BBNC_B1 (West of Lor Sesuai)	1374	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36688.599	20016.036	1.7	18
BBNC_B1 (West of Lor Sesuai)	1375	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36683.474	20016.354	1.2	25
BBNC_B1 (West of Lor Sesuai)	1376	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36679.077	20017.566	1.2	14
BBNC_B1 (West of Lor Sesuai)	1377	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	36671.683	20018.372	2	10
BBNC_B1 (West of Lor Sesuai)	1378	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36690.553	20015.883	2.2	20
BBNC_B1 (West of Lor Sesuai)	1379	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36695.702	20010.613	1	18
BBNC_B1 (West of Lor Sesuai)	1380	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36710.982	20023.289	2.3	20
BBNC_B1 (West of Lor Sesuai)	1381	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36712.565	20029.065	2.4	20
BBNC_B1 (West of Lor Sesuai)	1382	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36714.792	20033.564	2	30
BBNC_B1 (West of Lor Sesuai)	1383	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36728.439	20056.535	2.1	30
BBNC_B1 (West of Lor Sesuai)	1384	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36730.04	20069.252	3	30
BBNC_B1 (West of Lor Sesuai)	1385	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36733.999	20076.09	2.6	30
BBNC_B1 (West of Lor Sesuai)	1386	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	36745.095	20090.073	1.2	12
BBNC_B1 (West of Lor Sesuai)	1387	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36749.832	20104.565	3	30
BBNC_B1 (West of Lor Sesuai)	1388	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36753.588	20105.308	2.6	16
BBNC_B1 (West of Lor Sesuai)	1389	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	36756.638	20108.613	1	10
BBNC_B1 (West of Lor Sesuai)	1390	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36761.044	20109.837	1.2	16
BBNC_B1 (West of Lor Sesuai)	1391	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36761.3	20114.538	3.1	30
BBNC_B1 (West of Lor Sesuai)	1392	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36763.809	20117.589	2.8	30
BBNC_B1 (West of Lor Sesuai)	1393	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36762.876	20122.154	3.2	35
BBNC_B1 (West of Lor Sesuai)	1394	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36770.64	20124.63	2.4	16
BBNC_B1 (West of Lor Sesuai)	1402	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36696.306	20145.341	1	15

BBNC_B1 (West of Lor Sesuai)	1403	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36698.761	20151.792	1	14
BBNC_B1 (West of Lor Sesuai)	1404	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36703.034	20152.045	1.5	14
BBNC_B1 (West of Lor Sesuai)	1405	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36706.745	20155.292	2.4	20
BBNC_B1 (West of Lor Sesuai)	1406	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36703.401	20157.929	1.5	18
BBNC_B1 (West of Lor Sesuai)	1407	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36703.843	20163.125	1.3	18
BBNC_B1 (West of Lor Sesuai)	1410	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36708.255	20142.87	1.9	20
BBNC_B1 (West of Lor Sesuai)	1461	<i>Mangifera caesia</i>	Anacardiaceae	Exotic	Casual	Tree	36707.43	20314.03	1	10
BBNC_B1 (West of Lor Sesuai)	1467	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	36654.068	20294.077	1.2	12
BBNC_B1 (West of Lor Sesuai)	1468	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36651.858	20295.475	1.6	14
BBNC_B1 (West of Lor Sesuai)	1469	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36648.101	20299.653	1	16
BBNC_B1 (West of Lor Sesuai)	1470	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36639.21	20293.541	2.3	18
BBNC_B1 (West of Lor Sesuai)	1471	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36639.529	20287.513	1	15
BBNC_B1 (West of Lor Sesuai)	1472	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36637.414	20286.46	1.3	18
BBNC_B1 (West of Lor Sesuai)	1473	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36633.4	20284.392	1	16
BBNC_B1 (West of Lor Sesuai)	1474	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36622.348	20263.785	1.2	15
BBNC_B1 (West of Lor Sesuai)	1475	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36619.01	20264.569	1.5	15
BBNC_B1 (West of Lor Sesuai)	1476	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36610.094	20257.068	1.5	16
BBNC_B1 (West of Lor Sesuai)	1477	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36607.003	20257.808	2.1	15
BBNC_B1 (West of Lor Sesuai)	1478	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36602.761	20247.993	1.9	16
BBNC_B1 (West of Lor Sesuai)	1479	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36607.819	20254.39	1.1	15
BBNC_B1 (West of Lor Sesuai)	1480	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36597.942	20241.536	2.3	18
BBNC_B1 (West of Lor Sesuai)	1481	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36595.046	20239.332	2.4	18
BBNC_B1 (West of Lor Sesuai)	1482	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36578.892	20227.282	1.7	18
BBNC_B1 (West of Lor Sesuai)	1483	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36574.295	20223.461	1.6	18
BBNC_B1 (West of Lor Sesuai)	1484	<i>Erythrophleum suaveolens</i>	Fabaceae	Exotic	Cultivated only	Tree	36579.681	20222.416	2	20
BBNC_B1 (West of Lor Sesuai)	1485	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36589.421	20221.464	2.9	18
BBNC_B1 (West of Lor Sesuai)	1486	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36609.175	20233.663	1.3	15
BBNC_B1 (West of Lor Sesuai)	1487	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	36621.009	20255.524	1.1	15
BBNC_B1 (West of Lor Sesuai)	1488	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36640.115	20272.191	1.3	15
BBNC_B1 (West of Lor Sesuai)	1489	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36642.535	20272.07	1.4	16
BBNC_B1 (West of Lor Sesuai)	1490	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36644.974	20276.71	2.1	16
BBNC_B1 (West of Lor Sesuai)	1546	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36728.807	20123.745	2.4	20
BBNC_B1 (West of Lor Sesuai)	1657	<i>Monocarpia maingayi</i>	Annonaceae	Native	Critically endangered	Tree	36827.683	20478.497	0.3	8
BBNC_B1 (West of Lor Sesuai)	1664	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36829.56	20503.22	2	16
BBNC_B1 (West of Lor Sesuai)	1666	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36825.25	20499.55	1.1	10
BBNC_B1 (West of Lor Sesuai)	1672	<i>Koompassia malaccensis</i>	Fabaceae	Native	Endangered	Tree	36850.37	20499.81	1.2	20
BBNC_B1 (West of Lor Sesuai)	1673	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36850.96	20510.28	1.4	12
BBNC_B1 (West of Lor Sesuai)	1674	<i>Sindora wallichii</i>	Fabaceae	Native	Critically endangered	Tree	36859.28	20501.29	1	12
BBNC_B1 (West of Lor Sesuai)	1675	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36865.82	20513.56	1.6	20
BBNC_B1 (West of Lor Sesuai)	1676	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36872.84	20513.89	1.4	20
BBNC_B1 (West of Lor Sesuai)	1677	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36867.76	20520.27	1.8	18
BBNC_B1 (West of Lor Sesuai)	1678	<i>Dialium platysepalum</i>	Fabaceae	Native	Critically endangered	Tree	36863.41	20510.7	1	16
BBNC_B1 (West of Lor Sesuai)	1683	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36873.51	20499.44	3.2	18
BBNC_B1 (West of Lor Sesuai)	1684	<i>Dialium platysepalum</i>	Fabaceae	Native	Critically endangered	Tree	36874.55	20496	0.3	10
BBNC_B1 (West of Lor Sesuai)	1685	<i>Dialium platysepalum</i>	Fabaceae	Native	Critically endangered	Tree	36867.79	20494.83	0.3	12
BBNC_B1 (West of Lor Sesuai)	1687	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36863.3	20499.18	1.4	18
BBNC_B1 (West of Lor Sesuai)	1688	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36864.41	20497.52	1.4	18
BBNC_B1 (West of Lor Sesuai)	1689	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36863.99	20496.08	1.1	18
BBNC_B1 (West of Lor Sesuai)	1690	<i>Monocarpia maingayi</i>	Annonaceae	Native	Critically endangered	Tree	36847.01	20486.9	0.3	7
BBNC_B1 (West of Lor Sesuai)	1691	<i>Parishia insignis</i>	Anacardiaceae	Native	Vulnerable	Tree	36846.09	20483.97	0.4	9
BBNC_B1 (West of Lor Sesuai)	1692	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36799.02	20461.69	1	9
BBNC_B1 (West of Lor Sesuai)	1693	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36801.89	20455.21	1	14

BBNC_B1 (West of Lor Sesuai)	1695	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36804.72	20447.65	1.1	18
BBNC_B1 (West of Lor Sesuai)	1696	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36800.4	20450.69	1.6	18
BBNC_B1 (West of Lor Sesuai)	1698	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36791.9	20454.11	3.2	16
BBNC_B1 (West of Lor Sesuai)	1699	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36783.12	20450.81	1.3	16
BBNC_B1 (West of Lor Sesuai)	1700	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36775.9	20455.17	1.4	18
BBNC_B1 (West of Lor Sesuai)	1708	<i>Dialium platysepalum</i>	Fabaceae	Native	Critically endangered	Tree	36761.58	20247.96	1.7	25
BBNC_B1 (West of Lor Sesuai)	1709	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36762.43	20246.07	2.6	16
BBNC_B1 (West of Lor Sesuai)	1710	<i>Strombosia javanica</i>	Oiaceae	Native	Vulnerable	Tree	36764.78	20252.13	0.6	11
BBNC_B1 (West of Lor Sesuai)	1711	<i>Dialium platysepalum</i>	Fabaceae	Native	Critically endangered	Tree	36767.44	20250.52	1.1	8
BBNC_B1 (West of Lor Sesuai)	1712	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36769.35	20267.14	2.4	14
BBNC_B1 (West of Lor Sesuai)	1713	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36773.3	20265.44	1.8	12
BBNC_B1 (West of Lor Sesuai)	1714	<i>Carallia brachiata</i>	Rhizophoraceae	Native	Vulnerable	Tree	36716.776	20347.674	1	18
BBNC_B1 (West of Lor Sesuai)	1715	<i>Carallia brachiata</i>	Rhizophoraceae	Native	Vulnerable	Tree	36718.471	20349.931	1.1	18
BBNC_B1 (West of Lor Sesuai)	1716	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36729.127	20346.916	1.4	16
BBNC_B1 (West of Lor Sesuai)	1717	<i>Alostonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36729.987	20351.219	1.4	16
BBNC_B1 (West of Lor Sesuai)	1718	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36738.11	20356.668	2.7	18
BBNC_B1 (West of Lor Sesuai)	1719	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36735.126	20363.395	1.8	16
BBNC_B1 (West of Lor Sesuai)	1720	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36736.829	20349.992	1.8	6
BBNC_B1 (West of Lor Sesuai)	1721	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36743.488	20348.045	1.5	20
BBNC_B1 (West of Lor Sesuai)	1722	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36758.816	20347.628	1.7	20
BBNC_B1 (West of Lor Sesuai)	1723	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36764.334	20354.289	2.6	11
BBNC_B1 (West of Lor Sesuai)	1724	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36755.458	20356.816	2.5	7
BBNC_B1 (West of Lor Sesuai)	1725	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36758.016	20369.964	2.6	8
BBNC_B1 (West of Lor Sesuai)	1727	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36779.232	20374.599	1.2	14
BBNC_B1 (West of Lor Sesuai)	1728	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36782.846	20348.908	2.1	25
BBNC_B1 (West of Lor Sesuai)	1729	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36784.109	20347.595	1.2	20
BBNC_B1 (West of Lor Sesuai)	1730	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36777.853	20344.362	1.5	19
BBNC_B1 (West of Lor Sesuai)	1731	<i>Ficus cf. benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36794.739	20339.143	2.5	18
BBNC_B1 (West of Lor Sesuai)	1732	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36790.004	20350.903	2.5	23
BBNC_B1 (West of Lor Sesuai)	1733	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36790.515	20350.994	1.1	18
BBNC_B1 (West of Lor Sesuai)	1734	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36788.243	20364.194	1.2	16
BBNC_B1 (West of Lor Sesuai)	1735	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36782.252	20362.801	1.1	17
BBNC_B1 (West of Lor Sesuai)	1736	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36792.216	20378.768	1.1	16
BBNC_B1 (West of Lor Sesuai)	1737	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	36789.449	20379.403	1.2	16
BBNC_B1 (West of Lor Sesuai)	1738	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36798.856	20332.244	1.1	16
BBNC_B1 (West of Lor Sesuai)	1739	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36758.353	20341.267	1.3	15
BBNC_B1 (West of Lor Sesuai)	1740	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36786.122	20327.334	2.2	15
BBNC_B1 (West of Lor Sesuai)	1741	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36751.612	20338.126	1.6	13
BBNC_B1 (West of Lor Sesuai)	1742	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36750.462	20338.081	1	13
BBNC_B1 (West of Lor Sesuai)	1743	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36763.635	20320.221	1	13
BBNC_B1 (West of Lor Sesuai)	1744	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36748.282	20311.322	1.3	14
BBNC_B1 (West of Lor Sesuai)	1745	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36741.284	20310.109	1	15
BBNC_B1 (West of Lor Sesuai)	1746	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36734.364	20307.74	1.9	19
BBNC_B1 (West of Lor Sesuai)	1747	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36732.813	20304.079	1.8	18
BBNC_B1 (West of Lor Sesuai)	1748	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36731.062	20300.895	1.7	20
BBNC_B1 (West of Lor Sesuai)	1749	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36775.27	20254.56	1.1	10
BBNC_B1 (West of Lor Sesuai)	1751	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36778.86	20271.55	1.6	12
BBNC_B1 (West of Lor Sesuai)	1752	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36770.68	20277.14	1.4	10
BBNC_B1 (West of Lor Sesuai)	1753	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36754.87	20295.6	1.3	10
BBNC_B1 (West of Lor Sesuai)	1754	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36776.11	20273.94	1.5	10
BBNC_B1 (West of Lor Sesuai)	1755	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36777.3	20269.73	1	12
BBNC_B1 (West of Lor Sesuai)	1756	<i>Dialium platysepalum</i>	Fabaceae	Native	Critically endangered	Tree	36767.98	20270.71	1.1	16

BBNC_B1 (West of Lor Sesuai)	1757	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36784.74	20293.42	1	10
BBNC_B1 (West of Lor Sesuai)	1758	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36781.36	20289.65	1.1	12
BBNC_B1 (West of Lor Sesuai)	1759	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36782.67	20290.75	2	20
BBNC_B1 (West of Lor Sesuai)	1760	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36784.32	20305.16	3.1	25
BBNC_B1 (West of Lor Sesuai)	1761	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36794.1	20300.95	1.3	22
BBNC_B1 (West of Lor Sesuai)	1762	<i>Alstonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36790.63	20288.39	3	25
BBNC_B1 (West of Lor Sesuai)	1763	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36799.1	20300.94	1	16
BBNC_B1 (West of Lor Sesuai)	1764	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36796.35	20303.65	1.1	18
BBNC_B1 (West of Lor Sesuai)	1765	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36799.75	20304.58	1	6
BBNC_B1 (West of Lor Sesuai)	1766	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36814.78	20295.17	1.5	16
BBNC_B1 (West of Lor Sesuai)	1767	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36823.95	20307.33	2	20
BBNC_B1 (West of Lor Sesuai)	1768	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36772.79	20316.1	1.2	12
BBNC_B1 (West of Lor Sesuai)	1769	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36773.45	20320.56	1.8	18
BBNC_B1 (West of Lor Sesuai)	1770	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36764.26	20292.39	1.4	16
BBNC_B1 (West of Lor Sesuai)	1771	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36769.25	20287.34	1.3	12
BBNC_B1 (West of Lor Sesuai)	1772	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36759.37	20282.61	2.3	18
BBNC_B1 (West of Lor Sesuai)	1773	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36750.51	20280.78	2	10
BBNC_B1 (West of Lor Sesuai)	1774	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36761.45	20283.56	1.5	12
BBNC_B1 (West of Lor Sesuai)	1775	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36752.05	20278.42	1.1	12
BBNC_B1 (West of Lor Sesuai)	1776	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36756.72	20269.73	2.4	20
BBNC_B1 (West of Lor Sesuai)	1777	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36735.09	20272.56	1.8	12
BBNC_B1 (West of Lor Sesuai)	1778	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36738.8	20270.26	1.2	16
BBNC_B1 (West of Lor Sesuai)	1779	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36740.34	20276.62	1.3	25
BBNC_B1 (West of Lor Sesuai)	1780	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36720.57	20272.18	1.1	16
BBNC_B1 (West of Lor Sesuai)	1781	<i>Elaeocarpus mastersii</i>	Elaeocarpaceae	Native	Common	Tree	36723.65	20275.91	1.1	10
BBNC_B1 (West of Lor Sesuai)	1782	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36718.65	20266.2	1.6	20
BBNC_B1 (West of Lor Sesuai)	1783	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36721.5	20279.33	2.5	18
BBNC_B1 (West of Lor Sesuai)	1784	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36741.27	20283.53	3	18
BBNC_B1 (West of Lor Sesuai)	1785	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36751.75	20282.987	2	16
BBNC_B1 (West of Lor Sesuai)	1786	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36755.657	20287.076	1.3	14
BBNC_B1 (West of Lor Sesuai)	1787	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36756.727	20288.937	2.8	22
BBNC_B1 (West of Lor Sesuai)	1788	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36747.541	20295.309	1	16
BBNC_B1 (West of Lor Sesuai)	1790	<i>Morinda elliptica</i>	Rubiaceae	Native	Vulnerable	Tree	36748.357	20271.33	0.6	7
BBNC_B1 (West of Lor Sesuai)	1791	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36834.12	20302.794	2.2	18
BBNC_B1 (West of Lor Sesuai)	1792	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36833.204	20297.98	2.4	18
BBNC_B1 (West of Lor Sesuai)	1793	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36837.22	20295.376	1.4	16
BBNC_B1 (West of Lor Sesuai)	1794	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36823.741	20299.489	1.4	18
BBNC_B1 (West of Lor Sesuai)	1795	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36818.351	20287.191	1.2	16
BBNC_B1 (West of Lor Sesuai)	1796	<i>Alstonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36798.006	20278.271	3	30
BBNC_B1 (West of Lor Sesuai)	1797	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36793.042	20273.593	1.5	20
BBNC_B1 (West of Lor Sesuai)	1798	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36797.973	20270.834	2.5	10
BBNC_B1 (West of Lor Sesuai)	1799	<i>Alstonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36791.148	20268.919	1.4	20
BBNC_B1 (West of Lor Sesuai)	1800	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36790.929	20266.755	2.3	11
BBNC_B1 (West of Lor Sesuai)	1802	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36780.12	20447.8	1	16
BBNC_B1 (West of Lor Sesuai)	1803	<i>Camphosperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36783.22	20441.03	1.2	18
BBNC_B1 (West of Lor Sesuai)	1804	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36796.5	20435.38	1.2	18
BBNC_B1 (West of Lor Sesuai)	1805	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36769.81	20422.77	1.3	18
BBNC_B1 (West of Lor Sesuai)	1806	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36767.97	20413.2	1	15
BBNC_B1 (West of Lor Sesuai)	1807	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36763.85	20409.82	1.4	15
BBNC_B1 (West of Lor Sesuai)	1808	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36758.73	20411.25	2	18
BBNC_B1 (West of Lor Sesuai)	1809	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36743.09	20394.94	1.1	14
BBNC_B1 (West of Lor Sesuai)	1810	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36736.38	20401.17	2.5	18



BBNC_B1 (West of Lor Sesuai)	1811	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36735.03	20404.07	1.1	16
BBNC_B1 (West of Lor Sesuai)	1813	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36728.66	20384.77	1.1	15
BBNC_B1 (West of Lor Sesuai)	1814	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36727.49	20390.04	1.1	16
BBNC_B1 (West of Lor Sesuai)	1815	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36730.42	20401.12	1.8	20
BBNC_B1 (West of Lor Sesuai)	1816	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36731.77	20409.59	1.1	16
BBNC_B1 (West of Lor Sesuai)	1817	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36738.47	20419.4	1	18
BBNC_B1 (West of Lor Sesuai)	1818	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36748.19	20414.33	1.1	16
BBNC_B1 (West of Lor Sesuai)	1819	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36748.35	20413.7	1.2	14
BBNC_B1 (West of Lor Sesuai)	1901	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36780.671	20240.729	2	16
BBNC_B1 (West of Lor Sesuai)	1902	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36780.286	20231.817	1	18
BBNC_B1 (West of Lor Sesuai)	1903	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36778.996	20233.156	3.4	25
BBNC_B1 (West of Lor Sesuai)	1904	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36764.662	20230.879	1.2	22
BBNC_B1 (West of Lor Sesuai)	1905	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36775.388	20226.349	3.4	20
BBNC_B1 (West of Lor Sesuai)	1906	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36789.043	20231.842	1.2	16
BBNC_B1 (West of Lor Sesuai)	1907	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36792.099	20229.792	2.4	20
BBNC_B1 (West of Lor Sesuai)	1908	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36795.896	20228.067	1.5	18
BBNC_B1 (West of Lor Sesuai)	1909	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36801.725	20228.097	2.5	25
BBNC_B1 (West of Lor Sesuai)	1910	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36808.311	20233.443	1.2	14
BBNC_B1 (West of Lor Sesuai)	1911	<i>Astonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36815.58	20243.719	1.3	18
BBNC_B1 (West of Lor Sesuai)	1912	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36811.003	20246.303	1.2	8
BBNC_B1 (West of Lor Sesuai)	1913	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36800.906	20240.807	2.4	25
BBNC_B1 (West of Lor Sesuai)	1914	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36800.658	20242.958	1	18
BBNC_B1 (West of Lor Sesuai)	1915	<i>Litsea umbellata</i>	Lauraceae	Native	Vulnerable	Tree	36797.778	20237.796	0.4	6
BBNC_B1 (West of Lor Sesuai)	1916	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36804.641	20247.114	1	18
BBNC_B1 (West of Lor Sesuai)	1917	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36802.237	20248.2	1.4	25
BBNC_B1 (West of Lor Sesuai)	1918	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36802.545	20250.613	1.4	16
BBNC_B1 (West of Lor Sesuai)	1919	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36804.171	20253.526	1	16
BBNC_B1 (West of Lor Sesuai)	1920	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	36807.244	20256.065	1.5	8
BBNC_B1 (West of Lor Sesuai)	1921	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36805.571	20252.059	1.9	20
BBNC_B1 (West of Lor Sesuai)	1922	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36819.037	20264.363	2.8	20
BBNC_B1 (West of Lor Sesuai)	1956	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36718.77	20456.91	1.2	12
BBNC_B1 (West of Lor Sesuai)	1957	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36716.77	20454.84	1.5	18
BBNC_B1 (West of Lor Sesuai)	1958	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36717.01	20445.46	1.7	18
BBNC_B1 (West of Lor Sesuai)	1959	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36718.86	20444.93	2.4	20
BBNC_B1 (West of Lor Sesuai)	1960	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36720.57	20450.16	2.4	20
BBNC_B1 (West of Lor Sesuai)	1961	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36705.71	20436.68	2	12
BBNC_B1 (West of Lor Sesuai)	1962	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36704.06	20442.04	2.6	18
BBNC_B1 (West of Lor Sesuai)	1963	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36698.59	20434.93	1.4	12
BBNC_B1 (West of Lor Sesuai)	1971	<i>Ficus cf. caulocarpa</i>	Moraceae	Native	Endangered	Strangler	36692.18	20431.16	5	20
BBNC_B1 (West of Lor Sesuai)	1987	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36721.23	20423.3	2.2	18
BBNC_B1 (West of Lor Sesuai)	1992	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36701.18	20400.63	1	16
BBNC_B1 (West of Lor Sesuai)	1994	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36716.64	20390.28	4.2	30
BBNC_B1 (West of Lor Sesuai)	2006	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37152.022	20339.317	1	16
BBNC_B1 (West of Lor Sesuai)	2014	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37170.366	20386.788	1.7	18
BBNC_B1 (West of Lor Sesuai)	2068	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37129.264	20317.325	1.4	16
BBNC_B1 (West of Lor Sesuai)	2069	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37129.815	20315.063	1.2	20
BBNC_B1 (West of Lor Sesuai)	2095	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36948.522	20519.958	1.3	20
BBNC_B1 (West of Lor Sesuai)	2096	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36951.382	20529.602	1.1	10
BBNC_B1 (West of Lor Sesuai)	2097	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36952.307	20530.643	1.3	14
BBNC_B1 (West of Lor Sesuai)	2098	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36950.957	20547.32	1	10
BBNC_B1 (West of Lor Sesuai)	2099	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36954.584	20553.165	1.6	16
BBNC_C1 (BBNP)	2101	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36760.91	20707.35	1.1	14

BBNC_C1 (BBNP)	2102	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36762.73	20715.85	1.8	19
BBNC_C1 (BBNP)	2103	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36702.96	20748.43	1.5	7
BBNC_C1 (BBNP)	2104	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36705.41	20756.56	1	16
BBNC_C1 (BBNP)	2105	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36730.73	20759.83	2.5	20
BBNC_C1 (BBNP)	2106	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36727.53	20749.91	4	30
BBNC_C1 (BBNP)	2107	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36741.3	20776.51	1.2	16
BBNC_C1 (BBNP)	2108	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36737.23	20774.06	2.7	16
BBNC_C1 (BBNP)	2109	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36744	20786.34	1.2	16
BBNC_C1 (BBNP)	2110	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36743.77	20783.98	1.1	16
BBNC_C1 (BBNP)	2111	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36752.94	20780.87	1	14
BBNC_C1 (BBNP)	2112	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36759.08	20774.72	1.1	18
BBNC_C1 (BBNP)	2113	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36749.18	20758.07	1.5	14
BBNC_C1 (BBNP)	2114	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36759.8	20797.71	1.1	12
BBNC_C1 (BBNP)	2115	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36750.28	20794.28	2.1	14
BBNC_C1 (BBNP)	2116	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36758.69	20798.31	1.1	12
BBNC_C1 (BBNP)	2117	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36763.7	20803.46	1.4	18
BBNC_C1 (BBNP)	2118	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36758.81	20803.98	1.2	14
BBNC_C1 (BBNP)	2119	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36744.55	20809.4	2.2	18
BBNC_C1 (BBNP)	2120	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36745.44	20806.45	1.8	14
BBNC_C1 (BBNP)	2121	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36749.32	20815.05	1	12
BBNC_C1 (BBNP)	2122	<i>Ficus cf. benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36747.23	20822.86	4.2	18
BBNC_C1 (BBNP)	2123	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36740.56	20827.64	1.7	20
BBNC_C1 (BBNP)	2124	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36744.93	20821.09	1.6	22
BBNC_C1 (BBNP)	2125	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36748.26	20832.12	1.4	18
BBNC_C1 (BBNP)	2126	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36739.87	20826.96	2	18
BBNC_C1 (BBNP)	2127	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36737.69	20832.33	1	6
BBNC_C1 (BBNP)	2128	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36744.23	20833.42	1	16
BBNC_C1 (BBNP)	2129	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36751.19	20826.2	1	12
BBNC_C1 (BBNP)	2130	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36757.29	20818.04	1.6	8
BBNC_C1 (BBNP)	2131	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36764.76	20828.21	1	12
BBNC_C1 (BBNP)	2132	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36765.13	20823.02	1.3	16
BBNC_C1 (BBNP)	2133	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36765.43	20801.5	1.4	10
BBNC_C1 (BBNP)	2134	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36766.82	20798.07	1.4	10
BBNC_C1 (BBNP)	2135	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36803.39	20796.66	1	18
BBNC_C1 (BBNP)	2136	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36795.85	20802.45	1.6	18
BBNC_C1 (BBNP)	2137	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36803.79	20798.34	1	18
BBNC_C1 (BBNP)	2138	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36803.96	20795.75	1	16
BBNC_C1 (BBNP)	2139	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36798.52	20800.57	1	8
BBNC_C1 (BBNP)	2140	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36808.24	20804.13	1.3	20
BBNC_C1 (BBNP)	2141	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36808.61	20808.32	1.4	20
BBNC_C1 (BBNP)	2142	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36811.98	20816.43	1.3	18
BBNC_C1 (BBNP)	2143	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36817.75	20818.25	1	10
BBNC_C1 (BBNP)	2144	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36811.6	20817.42	1.3	12
BBNC_C1 (BBNP)	2145	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36798.49	20866.99	1.6	14
BBNC_C1 (BBNP)	2146	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36799.71	20854.84	1.3	8
BBNC_C1 (BBNP)	2147	<i>Dyopsis madagascariensis</i>	Arecaceae	Exotic	Cultivated only	Palm	36792.89	20863.92	1.1	8
BBNC_C1 (BBNP)	2148	<i>Dyopsis madagascariensis</i>	Arecaceae	Exotic	Cultivated only	Palm	36772.05	20879.6	1	10
BBNC_C1 (BBNP)	2149	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36769.82	20878.64	1.7	18
BBNC_C1 (BBNP)	2150	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36771.64	20891.48	2	16
BBNC_C1 (BBNP)	2151	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36774.41	20885.36	1.8	12
BBNC_C1 (BBNP)	2152	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36771.09	20895.26	0.4	7
BBNC_C1 (BBNP)	2153	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36771.86	20894.82	1.2	15

BBNC_C1 (BBNP)	2154	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36773.3	20900.05	2.5	20
BBNC_C1 (BBNP)	2155	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36772.75	20898.83	2.8	20
BBNC_C1 (BBNP)	2156	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36784.25	20905.95	3	30
BBNC_C1 (BBNP)	2157	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36783.25	20912.51	1.4	12
BBNC_C1 (BBNP)	2158	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36785.59	20925.54	1.8	8
BBNC_C1 (BBNP)	2159	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36791.19	20922.16	1.5	10
BBNC_C1 (BBNP)	2160	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36774.23	20927.57	5.8	22
BBNC_C2 (BBNP)	2346	<i>Astonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36837.484	20089.44	1.1	15
BBNC_B1 (West of Lor Sesuai)	2386	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36997.584	20055.543	2.5	20
BBNC_B1 (West of Lor Sesuai)	2491	<i>Shorea ovalis</i> subsp. <i>ovalis</i>	Dipterocarpaceae	Native	Critically endangered	Tree	36720.69	20018.4	1.3	20
BBNC_B2 (BBNP)	2681	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37461.55	20252.91	1.2	14
BBNC_B2 (BBNP)	2691	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37324.17	20155.51	1.9	16
BBNC_B2 (BBNP)	2692	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37330.78	20156.66	1.1	14
BBNC_B2 (BBNP)	2693	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37332.44	20150.21	1	12
BBNC_B2 (BBNP)	2694	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37422.33	20242.47	1.1	10
BBNC_B2 (BBNP)	2695	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37332.18	20296.13	1.2	14
BBNC_B2 (BBNP)	2696	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37332.13	20296.85	1	12
BBNC_B2 (BBNP)	2697	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37336.66	20302.17	1	10
BBNC_B2 (BBNP)	2698	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37332.03	20293.2	1	14
BBNC_B2 (BBNP)	2699	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37321.8	20286.93	1.4	10
BBNC_B2 (BBNP)	2700	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37316.49	20290.5	1.3	12
BBNC_B1 (West of Lor Sesuai)	2799	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37231.52	20125.86	4.6	40
BBNC_B1 (West of Lor Sesuai)	2805	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37222.78	20058.09	1.1	12
BBNC_B1 (West of Lor Sesuai)	2806	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37217.45	20066.64	1	12
BBNC_B1 (West of Lor Sesuai)	2807	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37214.44	20068.84	1.6	14
BBNC_B1 (West of Lor Sesuai)	2808	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37214.03	20067.34	1.3	14
BBNC_B1 (West of Lor Sesuai)	2809	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37210.07	20071.78	1.4	14
BBNC_B1 (West of Lor Sesuai)	2810	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37204.75	20064.2	1	16
BBNC_B1 (West of Lor Sesuai)	2811	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37195.09	20060.84	1	16
BBNC_B1 (West of Lor Sesuai)	2812	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37195.99	20056.27	1.8	16
BBNC_B1 (West of Lor Sesuai)	2813	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37203.7	20060.6	1.4	16
BBNC_B1 (West of Lor Sesuai)	2814	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37194.02	20053.59	1.4	18
BBNC_B1 (West of Lor Sesuai)	2815	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37204.15	20055.47	1.2	16
BBNC_B1 (West of Lor Sesuai)	2816	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37196.17	20046.82	3.2	20
BBNC_B1 (West of Lor Sesuai)	2817	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37200.07	20040.33	1.1	18
BBNC_B1 (West of Lor Sesuai)	2818	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37204.94	20024.86	1	16
BBNC_B1 (West of Lor Sesuai)	2819	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37212.19	20033.75	1.1	14
BBNC_B1 (West of Lor Sesuai)	2820	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37210.52	20033.09	1	18
BBNC_B1 (West of Lor Sesuai)	2821	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37221.23	20036.37	1	18
BBNC_B1 (West of Lor Sesuai)	2822	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37221.34	20037.15	1	18
BBNC_B1 (West of Lor Sesuai)	2823	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37211.8	20027.44	1.1	16
BBNC_B1 (West of Lor Sesuai)	2824	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37198.06	20035.91	1	14
BBNC_B1 (West of Lor Sesuai)	2825	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37187.47	20028.73	1.3	16
BBNC_B1 (West of Lor Sesuai)	2826	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37188.43	20045.02	1.1	14
BBNC_B1 (West of Lor Sesuai)	2827	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37189.78	20055.21	1.2	14
BBNC_B1 (West of Lor Sesuai)	2828	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37194.79	20064.08	2.6	20
BBNC_B1 (West of Lor Sesuai)	2829	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37198.53	20063.9	1.8	18
BBNC_B1 (West of Lor Sesuai)	2830	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37198.54	20078.98	1.2	18
BBNC_B1 (West of Lor Sesuai)	2831	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37196.49	20093.81	1.2	18
BBNC_B1 (West of Lor Sesuai)	2832	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37199.15	20095.81	1.2	18
BBNC_B1 (West of Lor Sesuai)	2833	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37208.11	20092.24	1.2	20
BBNC_B1 (West of Lor Sesuai)	2834	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37200.43	20103.99	1.3	20

BBNC_B1 (West of Lor Sesuai)	2835	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37204.31	20098.68	1	16
BBNC_B1 (West of Lor Sesuai)	2836	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	37204.08	20110.07	1	10
BBNC_B1 (West of Lor Sesuai)	2837	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37185.81	20111.93	1	16
BBNC_B1 (West of Lor Sesuai)	2838	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37191.07	20115.03	1	16
BBNC_B1 (West of Lor Sesuai)	2839	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37179.4	20110.7	1.1	14
BBNC_B1 (West of Lor Sesuai)	2840	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37181.02	20107.69	1.1	16
BBNC_B1 (West of Lor Sesuai)	2841	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37204.08	20103.39	1.1	18
BBNC_B1 (West of Lor Sesuai)	2842	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37215.9	20103.13	1	18
BBNC_B1 (West of Lor Sesuai)	2843	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37218.04	20103.66	1	14
BBNC_B1 (West of Lor Sesuai)	2844	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37222.75	20100.12	2	18
BBNC_B1 (West of Lor Sesuai)	2845	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37225.05	20101.67	1	14
BBNC_B1 (West of Lor Sesuai)	2846	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37228.69	20101.95	1	20
BBNC_B1 (West of Lor Sesuai)	2847	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37228.5	20106.12	1.2	20
BBNC_B1 (West of Lor Sesuai)	2848	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37244.05	20103.44	1.3	20
BBNC_B1 (West of Lor Sesuai)	2849	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37240.97	20098.58	1	8
BBNC_B1 (West of Lor Sesuai)	2851	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37235.11	20092.52	1	14
BBNC_B1 (West of Lor Sesuai)	2852	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37236.84	20086.83	0.4	12
BBNC_B1 (West of Lor Sesuai)	2853	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37216.27	20074.28	1.6	14
BBNC_B1 (West of Lor Sesuai)	2854	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37219.12	20076.82	1.3	20
BBNC_B1 (West of Lor Sesuai)	2855	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37210.67	20086.1	1.5	25
BBNC_B1 (West of Lor Sesuai)	2856	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37214.03	20084.58	1	18
BBNC_B1 (West of Lor Sesuai)	2857	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37213.7	20090.13	1.1	18
BBNC_B1 (West of Lor Sesuai)	2858	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37212.49	20089.47	1.4	18
BBNC_B3 (BBNP)	2859	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37373.32	20031	1.1	12
BBNC_B3 (BBNP)	2860	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37398.41	20020.98	1.2	18
BBNC_B3 (BBNP)	2861	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37407.4	20024.74	1.6	20
BBNC_B3 (BBNP)	2862	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	37419.55	20042.64	1.2	20
BBNC_B3 (BBNP)	2863	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37408.43	20021.04	1.8	40
BBNC_B3 (BBNP)	2864	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37417.07	20032.28	2.4	20
BBNC_B3 (BBNP)	2865	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37416.53	20033.79	1	12
BBNC_B3 (BBNP)	2866	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37413.03	20036.13	1	10
BBNC_B3 (BBNP)	2867	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	37422.53	20042.75	1	16
BBNC_B3 (BBNP)	2868	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37433.6	20045.55	1.6	18
BBNC_B3 (BBNP)	2869	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37435.95	20049.23	1.8	16
BBNC_B3 (BBNP)	2870	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37438.35	20055.67	1.5	20
BBNC_B3 (BBNP)	2871	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37418.43	20058.07	3.6	20
BBNC_B3 (BBNP)	2872	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37416.24	20048.13	1.2	14
BBNC_B3 (BBNP)	2873	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37414.19	20051.16	1.4	20
BBNC_B3 (BBNP)	2874	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37411.42	20036.2	2.3	40
BBNC_B3 (BBNP)	2875	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37415.458	20061.678	1.2	8
BBNC_B3 (BBNP)	2876	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37413.655	20063.733	1.4	18
BBNC_B3 (BBNP)	2877	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37418.272	20070.397	1	18
BBNC_B3 (BBNP)	2878	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37407.855	20062.761	1.2	10
BBNC_B3 (BBNP)	2879	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37419.68	20071.082	1.3	14
BBNC_B3 (BBNP)	2880	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37405.587	20071.912	2.8	10
BBNC_B3 (BBNP)	2881	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37415.975	20076.778	2.1	16
BBNC_B3 (BBNP)	2882	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37403.491	20093.082	1.7	10
BBNC_B3 (BBNP)	2883	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37394.696	20094.667	2.2	10
BBNC_B3 (BBNP)	2884	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37397.189	20109.548	1.4	18
BBNC_B3 (BBNP)	2885	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37398.136	20120.161	1	12
BBNC_B3 (BBNP)	2886	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37396.926	20124.599	1.1	12
BBNC_B3 (BBNP)	2887	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37394.699	20126.723	2.1	20

BBNC_B3 (BBNP)	2888	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	37389.95	20135.238	1.2	20
BBNC_B3 (BBNP)	2889	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37380.971	20134.874	1.1	16
BBNC_B3 (BBNP)	2890	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37383.187	20128.458	2	18
BBNC_B3 (BBNP)	2891	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37376.442	20122.146	2.8	16
BBNC_B3 (BBNP)	2892	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37380.273	20115.249	1.2	16
BBNC_B3 (BBNP)	2893	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37368.032	20117.322	2.3	16
BBNC_B3 (BBNP)	2894	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37367.265	20119.952	1.4	12
BBNC_B3 (BBNP)	2895	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37363.143	20115.046	2.6	12
BBNC_B3 (BBNP)	2896	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37361.706	20118.685	1.3	18
BBNC_B3 (BBNP)	2897	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37344.441	20105.672	3.9	20
BBNC_B3 (BBNP)	2898	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37343.127	20107.9	1	13
BBNC_B3 (BBNP)	2899	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37347.38	20107.298	1.7	10
BBNC_B3 (BBNP)	2900	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37352.417	20095.541	1.2	16
BBNC_B1 (West of Lor Sesuai)	2932	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37170.203	20268.149	1	18
BBNC_B1 (West of Lor Sesuai)	2933	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37170.36	20267.369	1.1	18
BBNC_B1 (West of Lor Sesuai)	2934	<i>Macaranga hypoleuca</i>	Euphorbiaceae	Native	Common	Tree	37139.674	20260.398	1	8
BBNC_B1 (West of Lor Sesuai)	2935	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37112.041	20218.318	1.3	15
BBNC_B1 (West of Lor Sesuai)	2936	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37109.506	20211.037	1.6	20
BBNC_B1 (West of Lor Sesuai)	2937	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37091.968	20201.881	0.9	10
BBNC_B1 (West of Lor Sesuai)	2938	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37093.055	20187.627	1	17
BBNC_B1 (West of Lor Sesuai)	2939	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37089.633	20187.789	0.7	16
BBNC_B1 (West of Lor Sesuai)	2940	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37104.169	20181.018	1.6	18
BBNC_B1 (West of Lor Sesuai)	2941	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37196.746	20248.24	2.8	16
BBNC_B1 (West of Lor Sesuai)	2942	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37200.311	20250.879	1.2	15
BBNC_B1 (West of Lor Sesuai)	2943	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37216.262	20270.209	1.3	18
BBNC_B1 (West of Lor Sesuai)	2944	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37213.656	20246.547	1.3	15
BBNC_B1 (West of Lor Sesuai)	2945	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37205.25	20226.74	2.2	20
BBNC_B1 (West of Lor Sesuai)	2946	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37205.195	20223.34	1.3	18
BBNC_B1 (West of Lor Sesuai)	2947	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37211.774	20218.452	1	19
BBNC_B1 (West of Lor Sesuai)	2948	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37222.81	20222.092	1.7	18
BBNC_B1 (West of Lor Sesuai)	2949	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37227.934	20218.077	1.1	9
BBNC_B1 (West of Lor Sesuai)	2950	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37221.986	20213.968	1	17
BBNC_B1 (West of Lor Sesuai)	2951	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37213.589	20188.072	1.2	16
BBNC_B1 (West of Lor Sesuai)	2952	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37201.01	20163.528	1.4	18
BBNC_B1 (West of Lor Sesuai)	2953	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37196.33	20161.212	1.1	20
BBNC_B1 (West of Lor Sesuai)	2954	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37195.469	20161.964	1	18
BBNC_B1 (West of Lor Sesuai)	2955	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37191.403	20165.639	1.8	20
BBNC_B1 (West of Lor Sesuai)	2956	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37188.419	20153.78	1.3	18
BBNC_B1 (West of Lor Sesuai)	2957	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37186.703	20150.166	1.3	18
BBNC_B1 (West of Lor Sesuai)	2958	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37182.64	20148.263	1.2	18
BBNC_B1 (West of Lor Sesuai)	2959	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37192.775	20148.493	2.1	17
BBNC_B1 (West of Lor Sesuai)	2960	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37202.814	20148.574	1.3	16
BBNC_B1 (West of Lor Sesuai)	2961	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37207.843	20149.36	1	18
BBNC_B1 (West of Lor Sesuai)	2962	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37210.461	20154.197	1	20
BBNC_B1 (West of Lor Sesuai)	2963	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37212.552	20158.596	1.1	17
BBNC_B1 (West of Lor Sesuai)	2964	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37215.078	20160.187	1.2	16
BBNC_B1 (West of Lor Sesuai)	2965	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37215.012	20162.036	1.2	18
BBNC_B1 (West of Lor Sesuai)	2966	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37213.723	20162.845	1.3	18
BBNC_B1 (West of Lor Sesuai)	2967	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37225.025	20167.217	1	18
BBNC_B1 (West of Lor Sesuai)	2968	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37225.006	20148.965	1.8	16
BBNC_B1 (West of Lor Sesuai)	2969	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37224.78	20146.193	1.1	16
BBNC_B1 (West of Lor Sesuai)	2970	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37232.598	20173.399	1	20

BBNC_B1 (West of Lor Sesuai)	2971	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37231.089	20179.502	1.1	20
BBNC_B1 (West of Lor Sesuai)	2972	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37228.826	20185.927	1.4	20
BBNC_B1 (West of Lor Sesuai)	2973	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37228.806	20207.508	1.1	20
BBNC_B3 (BBNP)	2974	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37538.792	20104.229	1.9	11
BBNC_B3 (BBNP)	2975	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37537.746	20109.633	1.4	11
BBNC_B3 (BBNP)	2976	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37531.78	20110.47	1.4	18
BBNC_B3 (BBNP)	2977	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.923	20121.398	1.1	13
BBNC_B3 (BBNP)	2978	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37510.052	20128.307	1.5	17
BBNC_B3 (BBNP)	2979	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37508.42	20134.299	1.4	15
BBNC_B3 (BBNP)	2980	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37505.938	20134.599	1.1	13
BBNC_B3 (BBNP)	2981	<i>Memecylon sp.</i>	Melastomataceae	Undetermined	Undetermined	Tree	37498.866	20144.452	1	15
BBNC_B2 (BBNP)	2982	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37504.397	20154.947	1.6	18
BBNC_B2 (BBNP)	2983	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37514.606	20173.637	2.6	18
BBNC_B3 (BBNP)	2984	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37509.275	20154.815	1.4	18
BBNC_B3 (BBNP)	2985	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37501.597	20148.232	1.2	15
BBNC_B3 (BBNP)	2986	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37508.869	20146.749	1.5	18
BBNC_B3 (BBNP)	2987	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37513.413	20147.334	1.4	16
BBNC_B3 (BBNP)	2988	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37520.904	20149.667	1.5	17
BBNC_B3 (BBNP)	2989	<i>Archidendron jiringa</i>	Fabaceae	Native	Vulnerable	Tree	37526.217	20149.658	0.4	9
BBNC_B3 (BBNP)	2990	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37532.228	20149.208	1.8	22
BBNC_B3 (BBNP)	2991	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37534.072	20151.338	1.2	16
BBNC_B3 (BBNP)	2992	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37549.73	20161.16	2.4	20
BBNC_B3 (BBNP)	2994	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37542.217	20165.54	1.8	18
BBNC_B3 (BBNP)	2995	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37541.793	20159.747	2.2	19
BBNC_B3 (BBNP)	2996	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37538.946	20155.08	2.2	18
BBNC_B3 (BBNP)	2997	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37533.012	20148.941	1.5	17
BBNC_B3 (BBNP)	2998	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37526.346	20139.6	1.2	15
BBNC_B3 (BBNP)	2999	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37522.738	20136.159	1	14
BBNC_B3 (BBNP)	3000	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37521.661	20128.13	1.8	16
BBNC_B1 (West of Lor Sesuai)	3096	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36942.86	20465.76	1.6	0
BBNC_B1 (West of Lor Sesuai)	3097	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36941.69	20452.11	1.8	20
BBNC_B1 (West of Lor Sesuai)	3098	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36935.69	20456.89	1.3	20
BBNC_B1 (West of Lor Sesuai)	3099	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36934.31	20449.91	1.3	0
BBNC_B1 (West of Lor Sesuai)	3100	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	36956.11	20447.16	1.2	6
BBNC_B1 (West of Lor Sesuai)	3132	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36670.32	20396.77	2.7	25
BBNC_B1 (West of Lor Sesuai)	3183	<i>Anisoptera cf. megistocarpa</i>	Dipterocarpaceae	Native	Critically endangered	Tree	36847.65	20325.24	2	20
BBNC_B1 (West of Lor Sesuai)	3191	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36871.67	20380.02	1.8	18
BBNC_B1 (West of Lor Sesuai)	3192	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36865.16	20373.87	1.5	12
BBNC_B1 (West of Lor Sesuai)	3193	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36861.66	20364.25	1.5	16
BBNC_B1 (West of Lor Sesuai)	3194	<i>Endospermum diadenum</i>	Euphorbiaceae	Native	Vulnerable	Tree	36859.81	20361.94	2.7	20
BBNC_B1 (West of Lor Sesuai)	3195	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	36887.07	20367.92	1	14
BBNC_B1 (West of Lor Sesuai)	3196	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36896.49	20355.4	2.8	20
BBNC_B1 (West of Lor Sesuai)	3197	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36895.42	20357.38	1	14
BBNC_B1 (West of Lor Sesuai)	3198	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36898.26	20358.63	1.8	14
BBNC_B1 (West of Lor Sesuai)	3199	<i>Elaeocarpus cf. mastersii</i>	Eleaocarpaceae	Native	Common	Tree	36905.1	20358.76	1.4	12
BBNC_B1 (West of Lor Sesuai)	3200	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36914.63	20360.85	1.1	16
BBNC_C1 (BBNP)	3201	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36649.274	20650.046	1.1	12
BBNC_C1 (BBNP)	3202	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36640.084	20646.876	1	12
BBNC_C1 (BBNP)	3203	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36643.147	20639.379	1.3	12
BBNC_C1 (BBNP)	3204	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36649.355	20640.916	1.1	14
BBNC_C1 (BBNP)	3205	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36655.452	20642.282	2	14
BBNC_C1 (BBNP)	3206	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36640.315	20632.799	3	20

BBNC_C1 (BBNP)	3207	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36638.918	20630.38	3.6	20
BBNC_C1 (BBNP)	3208	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36640.323	20623.925	1.1	14
BBNC_C1 (BBNP)	3209	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36637.784	20623.796	2	18
BBNC_C1 (BBNP)	3210	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36635.38	20620.666	2.8	18
BBNC_C1 (BBNP)	3211	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36633.87	20616.457	1.4	12
BBNC_C1 (BBNP)	3212	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36633.969	20616.335	2	16
BBNC_C1 (BBNP)	3213	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36634.128	20607.004	1.6	16
BBNC_C1 (BBNP)	3284	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36647.93	20620.7	1.1	18
BBNC_C1 (BBNP)	3285	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36649.52	20629.89	1.4	18
BBNC_C1 (BBNP)	3286	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36656.06	20629.03	1.5	16
BBNC_C1 (BBNP)	3287	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36663.51	20629.58	1.2	18
BBNC_C1 (BBNP)	3288	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36676.62	20628.88	1.3	16
BBNC_C1 (BBNP)	3289	<i>Horsfieldia cf. polyspherula var. polyspherula</i>	Myristicaceae	Native	Vulnerable	Tree	36657.64	20632.62	0.3	7
BBNC_C1 (BBNP)	3290	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36716.83	20617.28	1.1	14
BBNC_C1 (BBNP)	3291	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36726.22	20627.43	1	8
BBNC_C1 (BBNP)	3292	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36736.24	20679.52	1.1	12
BBNC_C1 (BBNP)	3293	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36732.99	20692.06	1	8
BBNC_C1 (BBNP)	3294	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36736.18	20690.79	2.2	20
BBNC_C1 (BBNP)	3295	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36735.73	20681.19	1.2	12
BBNC_C1 (BBNP)	3296	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36728.75	20695.69	2.1	14
BBNC_C1 (BBNP)	3297	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36741.96	20724.16	3.4	22
BBNC_C1 (BBNP)	3298	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36742.63	20725.24	1.5	14
BBNC_C1 (BBNP)	3299	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36753.62	20722.63	1	12
BBNC_C1 (BBNP)	3300	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36758.82	20708.53	1.7	18
BBNC_B1 (West of Lor Sesuai)	3303	<i>Elaeocarpus mastersii</i>	Elaeocarpaceae	Native	Common	Tree	36948	20450.93	1	20
BBNC_B1 (West of Lor Sesuai)	3304	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36951.3	20455.53	1.9	18
BBNC_B1 (West of Lor Sesuai)	3305	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36931.82	20439.96	1.2	0.5
BBNC_B1 (West of Lor Sesuai)	3306	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36951.23	20472.73	2.4	6
BBNC_B1 (West of Lor Sesuai)	3308	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36949.94	20476.97	1	14
BBNC_B1 (West of Lor Sesuai)	3309	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36954.09	20474.27	1.3	16
BBNC_B1 (West of Lor Sesuai)	3310	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36958.02	20472.4	1.1	9
BBNC_B1 (West of Lor Sesuai)	3311	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36943.99	20471.66	1	8
BBNC_B1 (West of Lor Sesuai)	3312	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36953.91	20488.36	1.1	0
BBNC_B1 (West of Lor Sesuai)	3313	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36932.03	20480.9	1.4	20
BBNC_B1 (West of Lor Sesuai)	3314	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36933.14	20492.18	2.7	0
BBNC_B1 (West of Lor Sesuai)	3316	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36931.62	20488.99	1.5	25
BBNC_B1 (West of Lor Sesuai)	3317	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36936.52	20503.36	2.5	25
BBNC_B1 (West of Lor Sesuai)	3318	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36925.16	20500.34	3.5	0
BBNC_B1 (West of Lor Sesuai)	3320	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36934.21	20496.33	1.2	22
BBNC_B1 (West of Lor Sesuai)	3321	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36933.49	20508.76	2.8	16
BBNC_B1 (West of Lor Sesuai)	3322	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36913.3	20492.34	1	0
BBNC_B1 (West of Lor Sesuai)	3323	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36906.58	20495.8	1.5	0.5
BBNC_B1 (West of Lor Sesuai)	3324	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36915.62	20493.18	1.3	15
BBNC_B1 (West of Lor Sesuai)	3325	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36904.66	20497.79	1.3	8
BBNC_B1 (West of Lor Sesuai)	3328	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	36902.95	20506.17	0.3	15
BBNC_B1 (West of Lor Sesuai)	3329	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	36903.71	20504.84	0.9	18
BBNC_B1 (West of Lor Sesuai)	3330	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36921.79	20507.66	1.2	30
BBNC_B1 (West of Lor Sesuai)	3331	<i>Astonia angustifolia</i>	Apocynaceae	Native	Common	Tree	36923.88	20510.5	4.7	0
BBNC_B1 (West of Lor Sesuai)	3332	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36919.19	20509.49	1	8
BBNC_B1 (West of Lor Sesuai)	3333	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36927.29	20507.54	2.6	8
BBNC_B1 (West of Lor Sesuai)	3334	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36925.77	20522.09	2.8	10
BBNC_B1 (West of Lor Sesuai)	3335	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36885.04	20539.62	1.4	25

BBNC_B1 (West of Lor Sesuai)	3336	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36890.99	20540.17	2	25
BBNC_B1 (West of Lor Sesuai)	3337	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36877.48	20546.03	1.4	0
BBNC_B1 (West of Lor Sesuai)	3339	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36880.59	20571.97	1.8	18
BBNC_B1 (West of Lor Sesuai)	3340	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36881.14	20579.02	1.8	16
BBNC_B1 (West of Lor Sesuai)	3341	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36888.27	20570.68	1	5
BBNC_B1 (West of Lor Sesuai)	3342	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36873.35	20579.66	1	22
BBNC_B1 (West of Lor Sesuai)	3343	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36861.99	20586.25	2	16
BBNC_B1 (West of Lor Sesuai)	3344	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36865.09	20576.9	1	
BBNC_B1 (West of Lor Sesuai)	3356	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36820.55	20566.17	1.7	20
BBNC_B1 (West of Lor Sesuai)	3357	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36822.3	20548.56	1	22
BBNC_B1 (West of Lor Sesuai)	3359	<i>Sterculia parviflora</i>	Malvaceae	Native	Critically endangered	Tree	36822.93	20545.2	1.9	20
BBNC_C1 (BBNP)	3401	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36614.046	20505.344	3.4	18
BBNC_B1 (West of Lor Sesuai)	3402	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36910.07	20432.46	1	12
BBNC_B1 (West of Lor Sesuai)	3403	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36921.43	20422.01	1.1	14
BBNC_B1 (West of Lor Sesuai)	3404	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36935.27	20439.4	2	18
BBNC_C1 (BBNP)	3429	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36628.616	20471.74	1.5	8
BBNC_C1 (BBNP)	3430	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36623.048	20475.487	1.1	16
BBNC_C1 (BBNP)	3431	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36635.415	20478.549	1.8	8
BBNC_C1 (BBNP)	3432	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36642.644	20482.225	2	14
BBNC_C1 (BBNP)	3433	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36635.605	20497.195	1.8	18
BBNC_C1 (BBNP)	3434	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36634.035	20499.736	1.3	14
BBNC_C1 (BBNP)	3435	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36634.186	20498.25	1.1	14
BBNC_C1 (BBNP)	3436	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36630.674	20496.521	2.6	20
BBNC_C1 (BBNP)	3437	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36628.268	20493.077	1.1	16
BBNC_C1 (BBNP)	3438	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36623.679	20495.747	1.2	14
BBNC_C1 (BBNP)	3439	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36623.96	20508.903	1.1	12
BBNC_C1 (BBNP)	3440	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36640.175	20508.677	1	12
BBNC_C1 (BBNP)	3441	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36638.29	20508.027	1.3	16
BBNC_C1 (BBNP)	3442	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36637.946	20506.526	1.1	6
BBNC_C1 (BBNP)	3443	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36629.98	20525.897	1.7	16
BBNC_C1 (BBNP)	3444	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36624.947	20534.283	1.1	16
BBNC_C1 (BBNP)	3445	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36626.505	20534.217	1.1	16
BBNC_C1 (BBNP)	3446	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36626.464	20536.044	2	18
BBNC_C1 (BBNP)	3447	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36622.232	20545.337	1.6	22
BBNC_C1 (BBNP)	3448	Unknown	Undetermined	Undetermined	Undetermined	Tree	36628.495	20557.188	1.4	7
BBNC_C1 (BBNP)	3450	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36634.311	20554.489	0.4	6
BBNC_C1 (BBNP)	3451	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36639.717	20555.489	1.6	16
BBNC_C1 (BBNP)	3452	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36637.271	20550.931	1.4	16
BBNC_C1 (BBNP)	3453	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36639.38	20543.086	1.3	10
BBNC_C1 (BBNP)	3454	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36638.84	20533.56	2	16
BBNC_C1 (BBNP)	3455	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36644.011	20524.002	1.2	18
BBNC_C1 (BBNP)	3456	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36647.542	20520.741	1.8	18
BBNC_C1 (BBNP)	3457	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36650.07	20515.237	1.5	14
BBNC_C1 (BBNP)	3458	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36652.473	20525.351	1.5	25
BBNC_C1 (BBNP)	3459	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36650.429	20529.598	2.2	20
BBNC_C1 (BBNP)	3460	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36655.802	20528.685	2.2	16
BBNC_C1 (BBNP)	3461	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36661.477	20530.327	1.3	20
BBNC_C1 (BBNP)	3462	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36664.578	20528.011	1.3	16
BBNC_C1 (BBNP)	3463	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36666.488	20534.305	2.6	25
BBNC_C1 (BBNP)	3464	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36670.587	20532.992	1.9	20
BBNC_C1 (BBNP)	3465	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36670.785	20532.46	1.6	8
BBNC_C1 (BBNP)	3466	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36677.862	20532.366	1.5	18



BBNC_C1 (BBNP)	3467	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36685.022	20531.638	1.8	25
BBNC_C1 (BBNP)	3468	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36688.114	20535.549	1.1	12
BBNC_C1 (BBNP)	3469	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36696.534	20535.752	1.3	20
BBNC_C1 (BBNP)	3470	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36696.85	20534.525	1.6	16
BBNC_C1 (BBNP)	3471	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36700.27	20532.015	1	16
BBNC_C1 (BBNP)	3472	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36701.982	20533.007	1.4	16
BBNC_C1 (BBNP)	3473	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36703.036	20535.791	1.1	12
BBNC_C1 (BBNP)	3474	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36690.316	20533.69	1.3	6
BBNC_C1 (BBNP)	3475	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36665.035	20546.275	1.5	10
BBNC_C1 (BBNP)	3476	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36662.382	20542.879	1	16
BBNC_C1 (BBNP)	3477	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36655.796	20546.239	3	20
BBNC_C1 (BBNP)	3478	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36616.791	20515.907	4	20
BBNC_C1 (BBNP)	3479	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36615.085	20554.462	5	22
BBNC_C1 (BBNP)	3480	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36614.852	20570.209	5.1	22
BBNC_C1 (BBNP)	3481	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36620.189	20594.391	1.7	20
BBNC_C1 (BBNP)	3482	<i>Strombosia javanica</i>	Oiaceae	Native	Vulnerable	Tree	36617.504	20604.359	0.4	5
BBNC_C1 (BBNP)	3483	<i>Adenantha pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	36621.097	20603.318	1.8	16
BBNC_C1 (BBNP)	3484	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36627.271	20627.45	1.4	20
BBNC_C1 (BBNP)	3485	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36627.073	20629.826	2.4	22
BBNC_C1 (BBNP)	3486	<i>Lagerstroemia floribunda</i>	Lythraceae	Exotic	Cultivated only	Tree	36627.535	20632.795	1	16
BBNC_C1 (BBNP)	3487	<i>Ceiba pentandra</i>	Malvaceae	Exotic	Casual	Tree	36627.205	20639.044	1.6	10
BBNC_C1 (BBNP)	3488	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36628.796	20640.312	1.8	16
BBNC_C1 (BBNP)	3489	<i>Lagerstroemia floribunda</i>	Lythraceae	Exotic	Cultivated only	Tree	36636.64	20660.204	1.1	10
BBNC_C1 (BBNP)	3490	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36639.334	20658.707	1.4	7
BBNC_C1 (BBNP)	3491	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36648.692	20656.64	1.6	16
BBNC_C1 (BBNP)	3492	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36649.597	20658.249	1.5	6
BBNC_C1 (BBNP)	3493	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36659.434	20662.398	1.4	16
BBNC_C1 (BBNP)	3494	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36664.307	20665.276	1.6	18
BBNC_C1 (BBNP)	3495	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36662.839	20665.369	3	16
BBNC_C1 (BBNP)	3496	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36670.477	20676.818	2.7	22
BBNC_C1 (BBNP)	3497	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36671.745	20683.868	1.4	16
BBNC_C1 (BBNP)	3498	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36650.142	20689.386	4.9	22
BBNC_C1 (BBNP)	3499	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36647.304	20676.349	1.2	16
BBNC_C1 (BBNP)	3500	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36652.81	20650.295	1.6	20
BBNC_C1 (BBNP)	3561	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36742.297	20620.9	1	6
BBNC_C1 (BBNP)	3562	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36747.188	20623.714	1.4	18
BBNC_C1 (BBNP)	3563	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36751.388	20619.047	1.6	18
BBNC_C1 (BBNP)	3564	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36746.763	20609.797	1.2	13
BBNC_C1 (BBNP)	3565	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36747.019	20596.805	3	10
BBNC_C1 (BBNP)	3566	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36741.024	20591.408	1.3	11
BBNC_C1 (BBNP)	3567	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36748.576	20589.97	2.4	10
BBNC_C1 (BBNP)	3568	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36757.509	20597.355	1.5	13
BBNC_C1 (BBNP)	3569	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36764.066	20575.45	1.4	15
BBNC_C1 (BBNP)	3570	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36774.779	20581.134	1.3	15
BBNC_C1 (BBNP)	3571	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36783.313	20585.997	1.2	16
BBNC_C1 (BBNP)	3572	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36789.054	20582.143	1	15
BBNC_C1 (BBNP)	3573	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36789.238	20585.505	1	16
BBNC_C1 (BBNP)	3574	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36786.358	20592.994	1.8	16
BBNC_C1 (BBNP)	3575	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36786.989	20595.054	1.8	16
BBNC_C1 (BBNP)	3576	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36794.457	20591.052	1	16
BBNC_C1 (BBNP)	3577	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36807.966	20589.229	1.3	12
BBNC_C1 (BBNP)	3578	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36816.269	20590.913	1.4	14

BBNC_C1 (BBNP)	3579	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36823.446	20589.543	2	18
BBNC_C1 (BBNP)	3580	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36829.417	20607.908	1.2	18
BBNC_C1 (BBNP)	3581	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36821.159	20610.625	1.2	17
BBNC_C1 (BBNP)	3582	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36745.918	20630.012	2	19
BBNC_C1 (BBNP)	3583	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36751.065	20634.011	1.7	18
BBNC_C1 (BBNP)	3584	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36752.586	20632.747	3.6	18
BBNC_C1 (BBNP)	3585	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36755.531	20626.028	1.6	16
BBNC_C1 (BBNP)	3586	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36765.49	20616.974	1.4	18
BBNC_C1 (BBNP)	3587	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36771.301	20610.909	1.5	16
BBNC_C1 (BBNP)	3588	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36769.296	20604.677	1.3	13
BBNC_C1 (BBNP)	3589	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36762.593	20604.048	1.4	14
BBNC_B1 (West of Lor Sesuai)	3627	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36906.73	20652.75	2	8
BBNC_B1 (West of Lor Sesuai)	3628	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36906.86	20657.75	2	8
BBNC_B1 (West of Lor Sesuai)	3629	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36842.67	20693.81	2.5	8
BBNC_B1 (West of Lor Sesuai)	3630	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36843.32	20694.65	2.5	8
BBNC_B1 (West of Lor Sesuai)	3631	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36867.21	20721.3	1.2	15
BBNC_B1 (West of Lor Sesuai)	3632	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36871.81	20723.86	1	18
BBNC_B1 (West of Lor Sesuai)	3633	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36870.53	20715.13	2.5	7
BBNC_B1 (West of Lor Sesuai)	3634	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36761.08	20746.03	3.8	25
BBNC_B1 (West of Lor Sesuai)	3635	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36755.13	20730.97	1.6	22
BBNC_B1 (West of Lor Sesuai)	3636	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36774.59	20692.67	1.2	10
BBNC_B1 (West of Lor Sesuai)	3637	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36781.9	20684.67	1.4	16
BBNC_B1 (West of Lor Sesuai)	3638	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36783.38	20692.71	1.1	18
BBNC_B1 (West of Lor Sesuai)	3639	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36781.58	20677.84	1.4	18
BBNC_B1 (West of Lor Sesuai)	3640	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36780.43	20673.92	1.2	18
BBNC_B1 (West of Lor Sesuai)	3641	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36779.57	20681.35	1.9	22
BBNC_B1 (West of Lor Sesuai)	3642	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36789.77	20674.89	1.2	18
BBNC_B1 (West of Lor Sesuai)	3643	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36798.36	20678.49	1	12
BBNC_B1 (West of Lor Sesuai)	3644	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36797.94	20678.07	1.3	12
BBNC_B1 (West of Lor Sesuai)	3645	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36812.46	20669	2	20
BBNC_B1 (West of Lor Sesuai)	3646	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36817.96	20703.3	1.3	9
BBNC_B1 (West of Lor Sesuai)	3647	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36800.54	20698.44	1.1	16
BBNC_B1 (West of Lor Sesuai)	3648	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36799.95	20706.61	2.2	18
BBNC_B1 (West of Lor Sesuai)	3649	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36793.97	20719.61	3.2	18
BBNC_B1 (West of Lor Sesuai)	3650	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36788.69	20728.75	1.2	11
BBNC_B1 (West of Lor Sesuai)	3651	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36799.26	20730.8	1	12
BBNC_B1 (West of Lor Sesuai)	3652	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36795.85	20730.56	1.6	18
BBNC_B1 (West of Lor Sesuai)	3653	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36782.57	20731.51	1.4	14
BBNC_B1 (West of Lor Sesuai)	3654	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36773.11	20742.77	1	18
BBNC_B1 (West of Lor Sesuai)	3655	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36775.73	20744.54	1.2	15
BBNC_B1 (West of Lor Sesuai)	3656	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36894.96	20711.22	3.9	25
BBNC_B1 (West of Lor Sesuai)	3657	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36902.38	20707.43	1.1	16
BBNC_B1 (West of Lor Sesuai)	3658	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36919.72	20701.27	1.8	18
BBNC_B1 (West of Lor Sesuai)	3659	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36921.25	20694.75	1.2	18
BBNC_B1 (West of Lor Sesuai)	3660	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36914.16	20690.82	1.1	18
BBNC_B1 (West of Lor Sesuai)	3661	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	37242.74	20501.58	1	12
BBNC_B1 (West of Lor Sesuai)	3662	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37251.1	20500.07	1.8	25
BBNC_B1 (West of Lor Sesuai)	3663	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	37239.67	20495.96	1.2	14
BBNC_B1 (West of Lor Sesuai)	3664	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	37245.02	20487.5	1.1	16
BBNC_B1 (West of Lor Sesuai)	3665	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37247.93	20484.4	1.2	14
BBNC_B1 (West of Lor Sesuai)	3666	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	37247.02	20484.32	1	14
BBNC_B1 (West of Lor Sesuai)	3667	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	37250.64	20480.44	1	12

BBNC_B1 (West of Lor Sesuai)	3668	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37254.04	20456.91	1.5	15
BBNC_B1 (West of Lor Sesuai)	3669	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37253.86	20458.97	2.2	20
BBNC_B1 (West of Lor Sesuai)	3670	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37250.62	20453.44	1.4	20
BBNC_B1 (West of Lor Sesuai)	3671	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	37243.86	20440.98	2.6	22
BBNC_B1 (West of Lor Sesuai)	3673	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37233.66	20427.95	4.6	22
BBNC_B1 (West of Lor Sesuai)	3674	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37239.05	20426.35	1	12
BBNC_B1 (West of Lor Sesuai)	3675	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37248.35	20429.95	2.6	22
BBNC_B1 (West of Lor Sesuai)	3676	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37234.56	20418.61	2	20
BBNC_B1 (West of Lor Sesuai)	3677	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37193.19	20436.83	1.2	18
BBNC_B1 (West of Lor Sesuai)	3678	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37202.53	20444.38	1.2	18
BBNC_B1 (West of Lor Sesuai)	3679	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37196.45	20458.06	1.3	14
BBNC_B1 (West of Lor Sesuai)	3680	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37193.78	20453.08	1	18
BBNC_B1 (West of Lor Sesuai)	3681	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37186.41	20452.71	1	12
BBNC_B1 (West of Lor Sesuai)	3682	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37188.4	20446.57	1.2	16
BBNC_B1 (West of Lor Sesuai)	3683	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37183.07	20461.72	2.7	22
BBNC_B1 (West of Lor Sesuai)	3684	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37183.73	20465.03	2.4	18
BBNC_B1 (West of Lor Sesuai)	3686	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37191.01	20476.67	2.2	14
BBNC_B1 (West of Lor Sesuai)	3687	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37182.44	20476.46	2.9	25
BBNC_B1 (West of Lor Sesuai)	3688	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37186.91	20468.79	1.2	14
BBNC_B1 (West of Lor Sesuai)	3689	<i>Syzygium sp.</i>	Myrtaceae	Undetermined	Undetermined	Tree	37177.25	20491.07	2.2	25
BBNC_B1 (West of Lor Sesuai)	3690	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37186.03	20490.17	2	22
BBNC_B1 (West of Lor Sesuai)	3691	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37169.47	20491.87	1.2	18
BBNC_B1 (West of Lor Sesuai)	3692	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37169.81	20486.89	1	18
BBNC_B1 (West of Lor Sesuai)	3785	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36991.93	20582.21	2.4	25
BBNC_B1 (West of Lor Sesuai)	3794	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36984.052	20553.038	1	15
BBNC_B1 (West of Lor Sesuai)	3797	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36991.219	20540.595	1.4	16
BBNC_B1 (West of Lor Sesuai)	3801	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36982.683	20496.502	2.8	25
BBNC_B1 (West of Lor Sesuai)	3802	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36971.374	20494.971	1.3	20
BBNC_B1 (West of Lor Sesuai)	3803	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36968.749	20505.708	1	14
BBNC_B1 (West of Lor Sesuai)	3804	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36979.86	20524.224	1.1	20
BBNC_B1 (West of Lor Sesuai)	3805	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36979.928	20524.25	2.2	25
BBNC_B1 (West of Lor Sesuai)	3806	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36983.188	20530.322	1.2	20
BBNC_B1 (West of Lor Sesuai)	3807	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36973.345	20555.9	1	8
BBNC_B1 (West of Lor Sesuai)	3808	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36974.213	20566.595	1.1	12
BBNC_B1 (West of Lor Sesuai)	3809	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36963.96	20579.449	1.5	15
BBNC_B1 (West of Lor Sesuai)	3810	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36983.482	20572.72	2.6	25
BBNC_B1 (West of Lor Sesuai)	3811	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36986.397	20568.748	3.4	25
BBNC_B1 (West of Lor Sesuai)	3812	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36976.119	20578.218	1.1	15
BBNC_B1 (West of Lor Sesuai)	3813	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36980.387	20584.848	2.5	20
BBNC_B1 (West of Lor Sesuai)	3815	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36960.251	20591.559	1	15
BBNC_B1 (West of Lor Sesuai)	3816	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36960.025	20599.695	1.3	18
BBNC_B1 (West of Lor Sesuai)	3817	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36955.991	20607.18	1.6	15
BBNC_B1 (West of Lor Sesuai)	3818	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36963.13	20614.957	2.2	22
BBNC_B1 (West of Lor Sesuai)	3819	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36938.923	20589.85	1.5	10
BBNC_B1 (West of Lor Sesuai)	3820	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	36937.362	20584.161	1	10
BBNC_B1 (West of Lor Sesuai)	3821	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36944.976	20577.483	2.8	30
BBNC_B1 (West of Lor Sesuai)	3822	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36940.66	20571.036	1.2	16
BBNC_B1 (West of Lor Sesuai)	3823	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36940.816	20572.475	1.6	20
BBNC_B1 (West of Lor Sesuai)	3824	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36939.974	20565.239	1.1	12
BBNC_B1 (West of Lor Sesuai)	3828	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36930.025	20559.162	1.3	16
BBNC_B1 (West of Lor Sesuai)	3829	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36926.262	20551.357	1.7	16
BBNC_B1 (West of Lor Sesuai)	3830	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36922.302	20558.068	1.6	17

BBNC_B1 (West of Lor Sesuai)	3831	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36918.531	20579.008	1.3	16
BBNC_B1 (West of Lor Sesuai)	3832	<i>Antidesma cf. velutinolum</i>	Phyllanthaceae	Native	Endangered	Tree	36916.261	20572.891	0.6	8
BBNC_B1 (West of Lor Sesuai)	3833	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36919.203	20578.545	1.8	18
BBNC_B1 (West of Lor Sesuai)	3834	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36934.434	20577.472	3	25
BBNC_B1 (West of Lor Sesuai)	3835	<i>Timonius wallichianus</i>	Rubiaceae	Native	Common	Tree	36933.293	20580.347	1.1	16
BBNC_B1 (West of Lor Sesuai)	3838	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36921.328	20594.861	1.3	12
BBNC_B1 (West of Lor Sesuai)	3839	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36919.567	20584.885	1.6	16
BBNC_B1 (West of Lor Sesuai)	3840	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36893.455	20595.95	1.6	15
BBNC_B1 (West of Lor Sesuai)	3841	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36887.444	20597.023	1.3	12
BBNC_B1 (West of Lor Sesuai)	3842	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36890.956	20585.371	2.6	25
BBNC_B1 (West of Lor Sesuai)	3843	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36905.009	20581.568	1	25
BBNC_B1 (West of Lor Sesuai)	3845	<i>Antidesma velutinolum</i>	Phyllanthaceae	Native	Endangered	Tree	36890.763	20581.746	0.8	12
BBNC_B1 (West of Lor Sesuai)	3849	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36901.841	20604.25	1	13
BBNC_B1 (West of Lor Sesuai)	3850	<i>Strombosia javanica</i>	Oleaceae	Native	Vulnerable	Tree	36904.542	20594.513	0.4	6
BBNC_B1 (West of Lor Sesuai)	3851	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36903.888	20624.544	1.7	16
BBNC_B1 (West of Lor Sesuai)	3852	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37238.537	20492.039	1.6	22
BBNC_B1 (West of Lor Sesuai)	3853	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37230.456	20492.326	1.5	18
BBNC_B1 (West of Lor Sesuai)	3854	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37232.382	20478.734	3.2	16
BBNC_B1 (West of Lor Sesuai)	3855	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37229.092	20473.767	1.7	18
BBNC_B1 (West of Lor Sesuai)	3856	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37226.101	20471.004	1.4	18
BBNC_B1 (West of Lor Sesuai)	3857	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37229.06	20477.502	1	16
BBNC_B1 (West of Lor Sesuai)	3858	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37229.993	20464.111	3	20
BBNC_B1 (West of Lor Sesuai)	3859	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37231.326	20464.918	1.1	15
BBNC_B1 (West of Lor Sesuai)	3860	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37238.167	20464.618	1.8	15
BBNC_B1 (West of Lor Sesuai)	3861	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37238.615	20462.592	2.2	15
BBNC_B1 (West of Lor Sesuai)	3862	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37235.791	20462.026	1.4	16
BBNC_B1 (West of Lor Sesuai)	3863	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37234.459	20458.346	1.2	15
BBNC_B1 (West of Lor Sesuai)	3864	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37241.054	20457.366	3.4	18
BBNC_B1 (West of Lor Sesuai)	3865	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Tree	37240.346	20443.753	1	3
BBNC_B1 (West of Lor Sesuai)	3866	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37214.127	20423.36	2.5	5
BBNC_B1 (West of Lor Sesuai)	3867	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37211.37	20413.527	1.4	18
BBNC_B1 (West of Lor Sesuai)	3868	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37208.833	20408.671	2	17
BBNC_B1 (West of Lor Sesuai)	3869	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37212.192	20396.704	1.3	17
BBNC_B1 (West of Lor Sesuai)	3870	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37212.567	20394.26	1.5	18
BBNC_B1 (West of Lor Sesuai)	3871	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37207.598	20400.407	1.7	17
BBNC_B1 (West of Lor Sesuai)	3872	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37208.619	20402.527	1	16
BBNC_B1 (West of Lor Sesuai)	3873	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37194.896	20388.614	1.6	10
BBNC_B1 (West of Lor Sesuai)	3874	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37197.492	20379.474	1.3	14
BBNC_B1 (West of Lor Sesuai)	3875	<i>Macaranga heynei</i>	Euphorbiaceae	Native	Common	Tree	37202.471	20377.649	1.2	13
BBNC_B1 (West of Lor Sesuai)	3876	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37202.497	20365.199	1	16
BBNC_B1 (West of Lor Sesuai)	3877	<i>Sandoricum koetjape</i>	Meliaceae	Native	Endangered	Tree	37200.731	20359.196	2.2	20
BBNC_B1 (West of Lor Sesuai)	3878	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37198.482	20356.468	1.5	15
BBNC_B1 (West of Lor Sesuai)	3879	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37188.933	20356.122	1	16
BBNC_B1 (West of Lor Sesuai)	3880	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37184.163	20350.892	1.2	16
BBNC_B1 (West of Lor Sesuai)	3881	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37188.461	20360.443	2	15
BBNC_B1 (West of Lor Sesuai)	3882	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37185.356	20352.326	1.5	16
BBNC_B1 (West of Lor Sesuai)	3883	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37182.058	20368.305	1.4	16
BBNC_B1 (West of Lor Sesuai)	3884	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37177.818	20363.091	1.4	15
BBNC_B1 (West of Lor Sesuai)	3885	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37172.74	20363.021	0.4	10
BBNC_B1 (West of Lor Sesuai)	3886	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37168.523	20361.288	1	18
BBNC_B1 (West of Lor Sesuai)	3887	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37162.179	20359.667	1.3	17
BBNC_B1 (West of Lor Sesuai)	3888	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37172.148	20365.429	1	15

BBNC_B1 (West of Lor Sesuai)	3889	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37175.742	20366.999	1.8	20
BBNC_B1 (West of Lor Sesuai)	3890	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37189.347	20374.939	1.2	17
BBNC_B1 (West of Lor Sesuai)	3891	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37189.858	20374.216	1.3	14
BBNC_B1 (West of Lor Sesuai)	3892	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37194.997	20383.731	1.3	18
BBNC_B1 (West of Lor Sesuai)	3893	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37190.2	20387.839	1.2	17
BBNC_B1 (West of Lor Sesuai)	3894	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37191.424	20392.292	1.5	18
BBNC_B1 (West of Lor Sesuai)	3895	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37193.515	20392.558	1.6	18
BBNC_B1 (West of Lor Sesuai)	3897	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37179.741	20404.077	1.5	20
BBNC_B1 (West of Lor Sesuai)	3898	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37172.41	20405.896	1.4	17
BBNC_B1 (West of Lor Sesuai)	3899	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37167.524	20400.522	1	17
BBNC_B1 (West of Lor Sesuai)	3900	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37163.944	20404.664	1.7	18
BBNC_B1 (West of Lor Sesuai)	3948	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37217.969	20285.804	1	8
BBNC_B3 (BBNP)	4001	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37369.836	20093.207	1	16
BBNC_B3 (BBNP)	4002	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37361.33	20095.584	2	18
BBNC_B3 (BBNP)	4003	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37371.912	20092.01	1.8	16
BBNC_B3 (BBNP)	4004	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37381.216	20095.556	1	14
BBNC_B3 (BBNP)	4005	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	37386.736	20089.922	2.6	14
BBNC_B3 (BBNP)	4006	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37385.834	20083.29	6	22
BBNC_B3 (BBNP)	4007	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	37386.693	20083.323	2.8	18
BBNC_B3 (BBNP)	4008	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37381.152	20082.505	1.3	18
BBNC_B3 (BBNP)	4009	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37377.81	20079.572	1.4	18
BBNC_B3 (BBNP)	4010	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37381.764	20076.696	2.2	20
BBNC_B3 (BBNP)	4011	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37380.032	20071.824	1.2	14
BBNC_B3 (BBNP)	4012	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37382.506	20070.171	1.8	14
BBNC_B3 (BBNP)	4013	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37370.185	20065.533	1.4	12
BBNC_B3 (BBNP)	4014	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37379.237	20068.556	2.6	14
BBNC_B3 (BBNP)	4015	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37373.611	20066.617	1.1	10
BBNC_B3 (BBNP)	4016	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37365.548	20073.732	1.8	16
BBNC_B3 (BBNP)	4017	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37364.028	20077.193	3	14
BBNC_B3 (BBNP)	4018	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37367.4	20055.72	1.3	20
BBNC_B3 (BBNP)	4019	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37350.3	20078.32	1.5	20
BBNC_B3 (BBNP)	4020	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37341.06	20074.94	1.2	16
BBNC_B3 (BBNP)	4021	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37342.87	20070.71	2	14
BBNC_B3 (BBNP)	4022	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	37340.58	20083.41	1.3	18
BBNC_B3 (BBNP)	4023	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37331.03	20090.9	1.3	10
BBNC_B3 (BBNP)	4024	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37330.95	20076.86	1.3	22
BBNC_B3 (BBNP)	4025	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37321.11	20103.65	1.4	14
BBNC_B3 (BBNP)	4026	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37316.89	20114.24	1.9	10
BBNC_B3 (BBNP)	4027	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37435.73	20075.47	1.3	16
BBNC_B3 (BBNP)	4028	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37448.12	20079.52	1.7	10
BBNC_B3 (BBNP)	4029	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37449.9	20075.7	1.5	14
BBNC_B3 (BBNP)	4030	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37444.04	20088.37	1	8
BBNC_B3 (BBNP)	4031	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37448.01	20083.71	1.8	16
BBNC_B3 (BBNP)	4032	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37449.79	20104.5	1.5	16
BBNC_B3 (BBNP)	4033	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37438.17	20100.93	1.8	12
BBNC_B3 (BBNP)	4034	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37429.95	20115.28	1	14
BBNC_B3 (BBNP)	4035	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37412.32	20107.9	1	18
BBNC_B3 (BBNP)	4036	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37406.15	20109.54	1.6	16
BBNC_B3 (BBNP)	4037	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37423.47	20132.29	1.1	16
BBNC_B3 (BBNP)	4038	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37421.13	20127.64	1	10
BBNC_B3 (BBNP)	4039	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37421.39	20134.02	1.2	14
BBNC_B3 (BBNP)	4040	<i>Oncosperma cf. horridum</i>	Arecaceae	Native	Common	Palm	37413.09	20125.57	1.5	8

BBNC_B3 (BBNP)	4041	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37416.19	20152.83	1	10
BBNC_B3 (BBNP)	4042	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37420.28	20152.5	1.3	10
BBNC_B3 (BBNP)	4043	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37422.49	20154.84	1.2	12
BBNC_B3 (BBNP)	4044	cf. <i>Sanitria</i> sp.	Burseraceae	Native	Undetermined	Tree	37417.85	20158.06	0.4	5
BBNC_B3 (BBNP)	4045	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37422.71	20155.28	1	18
BBNC_B3 (BBNP)	4046	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37431.45	20153.17	1.6	16
BBNC_B3 (BBNP)	4047	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37430.01	20148.83	1.3	16
BBNC_B3 (BBNP)	4048	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37437.09	20148.27	1	18
BBNC_B3 (BBNP)	4049	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37445.49	20148.49	1.9	20
BBNC_B3 (BBNP)	4050	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37441.29	20140.7	1.4	20
BBNC_B3 (BBNP)	4051	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37440.52	20124.01	1	16
BBNC_B3 (BBNP)	4052	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37439.41	20123.79	1	12
BBNC_B3 (BBNP)	4053	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37437.86	20124.9	1.1	14
BBNC_B3 (BBNP)	4054	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37445.15	20128.94	1	14
BBNC_B3 (BBNP)	4055	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37456.65	20140.64	1.4	16
BBNC_B3 (BBNP)	4056	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37457.34	20138.89	1.5	18
BBNC_B3 (BBNP)	4057	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37454.67	20136.95	1	6
BBNC_B3 (BBNP)	4058	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	37462.92	20137.26	0.3	5
BBNC_B3 (BBNP)	4059	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37460.91	20122.34	1.4	18
BBNC_B3 (BBNP)	4060	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37465.53	20126.56	2.2	16
BBNC_B3 (BBNP)	4061	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37476.53	20112.89	2.6	12
BBNC_B3 (BBNP)	4062	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37470.83	20108.14	2.6	14
BBNC_B3 (BBNP)	4063	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37478.67	20107.03	1.3	10
BBNC_B3 (BBNP)	4064	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37479.03	20115.31	1.1	14
BBNC_B3 (BBNP)	4065	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37494.43	20120.42	1	8
BBNC_B3 (BBNP)	4066	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37471.19	20102.08	1.2	10
BBNC_B3 (BBNP)	4067	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37466.43	20103.98	1.5	18
BBNC_B4 (BBNP)	4068	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37023.79	19905.63	1	8
BBNC_B4 (BBNP)	4069	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37029.89	19950.78	1	14
BBNC_B4 (BBNP)	4070	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37021.01	19911.46	3.5	40
BBNC_B4 (BBNP)	4071	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37033.21	19917.93	3	40
BBNC_B4 (BBNP)	4072	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37024.8	19945.3	1.8	30
BBNC_B4 (BBNP)	4073	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37030.86	19943.18	2.2	40
BBNC_B4 (BBNP)	4074	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37032.01	19944.82	2	7
BBNC_B4 (BBNP)	4075	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37041.78	19958.63	1.1	16
BBNC_B4 (BBNP)	4076	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37038.99	19970.24	0.4	6
BBNC_B4 (BBNP)	4077	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37045.75	19985.95	2.2	40
BBNC_B4 (BBNP)	4078	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37039.4	20004.21	0.5	6
BBNC_B4 (BBNP)	4079	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37056.72	20010.21	1.6	18
BBNC_B4 (BBNP)	4080	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37052.11	20018.62	1	8
BBNC_B4 (BBNP)	4081	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37049.93	20032.58	1.3	14
BBNC_B4 (BBNP)	4082	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37054.67	20007.2	2.2	40
BBNC_B4 (BBNP)	4083	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37046.22	19998.92	1.6	12
BBNC_B4 (BBNP)	4084	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37052.38	19992.13	1.8	40
BBNC_B4 (BBNP)	4085	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37052.83	19992.07	1.1	14
BBNC_B4 (BBNP)	4086	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37057.57	19973	3.2	40
BBNC_B4 (BBNP)	4087	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37063.86	20002.64	4	40
BBNC_B4 (BBNP)	4088	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37089.19	20025.44	1.6	16
BBNC_B4 (BBNP)	4089	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37095.64	20019.71	0.3	6
BBNC_B4 (BBNP)	4090	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37092.07	20008.89	1.2	12
BBNC_B4 (BBNP)	4091	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37093.59	20004.32	1.8	30
BBNC_B4 (BBNP)	4092	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37081.61	20003.64	1.5	40

BBNC_B4 (BBNP)	4093	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37079.98	20003.55	2.3	30
BBNC_B4 (BBNP)	4094	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37079.25	20002.2	1.5	25
BBNC_B4 (BBNP)	4095	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37081.97	19993.19	1	16
BBNC_B4 (BBNP)	4096	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37081.86	19992.64	1	25
BBNC_B4 (BBNP)	4097	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37068.34	19993.58	1.8	25
BBNC_B4 (BBNP)	4098	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37068.14	19997.27	1	10
BBNC_B4 (BBNP)	4099	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37080.47	19993.99	3	40
BBNC_B4 (BBNP)	4100	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37060.94	19980.22	1.6	40
BBNC_B4 (BBNP)	4101	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37061.27	19977.66	1	10
BBNC_B4 (BBNP)	4102	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37066.46	19978.14	2	40
BBNC_B4 (BBNP)	4103	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37060.78	19973.87	3.5	40
BBNC_B4 (BBNP)	4104	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37071.47	19977.2	1.6	14
BBNC_B4 (BBNP)	4105	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37082.06	19969.78	3	40
BBNC_B4 (BBNP)	4106	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37080.06	19961.9	1.4	18
BBNC_B4 (BBNP)	4107	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37085.13	19962.41	1.5	12
BBNC_B4 (BBNP)	4108	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37079.58	19929.83	1.6	18
BBNC_B4 (BBNP)	4109	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37076.62	19922.77	2.4	20
BBNC_B4 (BBNP)	4110	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	37057.8	19928.74	1.3	14
BBNC_B4 (BBNP)	4111	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37051.67	19936.23	1.8	9
BBNC_B4 (BBNP)	4112	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37057.26	19941.16	2.4	40
BBNC_B4 (BBNP)	4113	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37062.74	19971.01	1.8	8
BBNC_B4 (BBNP)	4114	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37040.13	19949.94	1	18
BBNC_B4 (BBNP)	4115	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37034.77	19940.5	0.4	6
BBNC_B4 (BBNP)	4116	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37038.07	19938.76	1.2	20
BBNC_B4 (BBNP)	4117	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37042.87	19948.25	1.8	20
BBNC_B4 (BBNP)	4118	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37046.44	19923.98	2	10
BBNC_B4 (BBNP)	4119	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	37046.62	19919.39	1.3	12
BBNC_B4 (BBNP)	4120	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37053.3	19887.63	1.7	12
BBNC_B2 (BBNP)	4121	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37509.72	20145.2	1.1	14
BBNC_B2 (BBNP)	4122	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37521.54	20148.32	1.2	15
BBNC_B2 (BBNP)	4123	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37545.96	20197.18	1	12
BBNC_B2 (BBNP)	4124	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37533.16	20192.76	1.3	15
BBNC_B2 (BBNP)	4125	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37534.34	20191.53	1.5	12
BBNC_B2 (BBNP)	4126	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37527.85	20188.82	1.2	16
BBNC_B2 (BBNP)	4127	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37532.56	20195.17	1.5	16
BBNC_B2 (BBNP)	4128	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37521.21	20184.96	1.3	12
BBNC_B2 (BBNP)	4129	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37526.32	20203.14	1.2	15
BBNC_B2 (BBNP)	4130	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37515.67	20201.7	1.6	18
BBNC_B2 (BBNP)	4131	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37516.87	20194.14	1	18
BBNC_B2 (BBNP)	4132	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37507.11	20215.16	1.2	12
BBNC_B2 (BBNP)	4133	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37504.98	20220.42	1.1	15
BBNC_B2 (BBNP)	4134	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37516.98	20225.69	3.3	20
BBNC_B2 (BBNP)	4135	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.7	20242.72	1.1	12
BBNC_B2 (BBNP)	4136	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37518.87	20237.58	3.5	20
BBNC_B2 (BBNP)	4137	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37510.09	20249.75	1.5	15
BBNC_B2 (BBNP)	4138	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37506.37	20260.07	1.3	15
BBNC_B2 (BBNP)	4140	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37502.2	20266.42	1.2	15
BBNC_B2 (BBNP)	4159	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37520.62	20266.03	2.5	12
BBNC_B2 (BBNP)	4160	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37522.43	20260.56	3.2	18
BBNC_B2 (BBNP)	4161	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37528.37	20257.72	1.2	15
BBNC_B2 (BBNP)	4162	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37533.91	20263.3	1.3	12
BBNC_B2 (BBNP)	4163	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	37539.16	20254.64	2	15

BBNC_B2 (BBNP)	4164	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37551.02	20242.84	1.6	12
BBNC_B2 (BBNP)	4165	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37547.16	20246.11	1.4	12
BBNC_B2 (BBNP)	4196	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37444.942	20256.557	1.1	18
BBNC_B2 (BBNP)	4197	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37446.809	20263.413	1.6	20
BBNC_B2 (BBNP)	4198	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37443.834	20268.018	2	20
BBNC_B2 (BBNP)	4199	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37438.985	20273.451	1	16
BBNC_B2 (BBNP)	4200	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37426.86	20283.046	1.3	12
BBNC_B2 (BBNP)	4201	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37563.604	20178.525	1.3	14
BBNC_B2 (BBNP)	4202	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37575.132	20192.983	1.8	16
BBNC_B2 (BBNP)	4203	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37573.609	20190.799	1	15
BBNC_B2 (BBNP)	4204	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37581.904	20198.66	1.1	16
BBNC_B2 (BBNP)	4205	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37589.167	20196.833	1.4	19
BBNC_B2 (BBNP)	4206	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37589.24	20196.745	2.8	22
BBNC_B2 (BBNP)	4207	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37588.087	20197.301	1.8	18
BBNC_B2 (BBNP)	4208	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37593.357	20194.419	1	12
BBNC_B2 (BBNP)	4209	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37591.83	20199.308	4.4	16
BBNC_B2 (BBNP)	4210	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37575.403	20196.013	1	13
BBNC_B2 (BBNP)	4211	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37568.251	20196.488	1.6	15
BBNC_B2 (BBNP)	4212	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37562.871	20188.183	1.2	15
BBNC_B2 (BBNP)	4213	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37531.849	20168.813	1.8	18
BBNC_B2 (BBNP)	4214	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37531.937	20182.84	1.6	15
BBNC_B2 (BBNP)	4215	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37532.351	20185.097	2	18
BBNC_B2 (BBNP)	4216	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37557.21	20181.325	1	12
BBNC_B2 (BBNP)	4217	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37552.537	20187.438	1.1	14
BBNC_B2 (BBNP)	4218	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37564.116	20189.851	1	12
BBNC_B2 (BBNP)	4219	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37564.658	20197.296	1	18
BBNC_B2 (BBNP)	4220	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37562.594	20203.165	1.2	15
BBNC_B2 (BBNP)	4221	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37567.359	20207.857	1.6	20
BBNC_B2 (BBNP)	4222	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37569.371	20209.02	1.1	18
BBNC_B2 (BBNP)	4223	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37566.067	20217.04	1.4	15
BBNC_B2 (BBNP)	4224	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37561.165	20219.283	1.2	17
BBNC_B2 (BBNP)	4225	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37559.81	20219.952	1.6	20
BBNC_B2 (BBNP)	4226	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37556.073	20228.751	1.1	15
BBNC_B2 (BBNP)	4227	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37580.879	20244.271	1.7	15
BBNC_B2 (BBNP)	4228	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37579.841	20242.678	0.3	12
BBNC_B2 (BBNP)	4229	<i>Leucaena leucocephala</i>	Fabaceae	Exotic	Naturalised	Tree	37576.99	20245.156	1	15
BBNC_B2 (BBNP)	4230	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37556.976	20248.953	2.4	20
BBNC_B2 (BBNP)	4231	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37565.657	20259.705	1.1	20
BBNC_B2 (BBNP)	4232	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37568.458	20261.612	0.3	9
BBNC_B2 (BBNP)	4233	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37566.86	20265.567	1.2	18
BBNC_B2 (BBNP)	4234	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37566.765	20265.164	1.2	18
BBNC_B4 (BBNP)	4235	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37025.976	20036.33	2.9	20
BBNC_B4 (BBNP)	4236	<i>Syzygium zeylanicum</i>	Myrtaceae	Native	Common	Tree	37022.142	20010.08	1.3	16
BBNC_B4 (BBNP)	4237	<i>Syzygium zeylanicum</i>	Myrtaceae	Native	Common	Tree	37027.593	19996.568	1.2	18
BBNC_B4 (BBNP)	4238	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37022.392	19992.853	0.7	9
BBNC_B4 (BBNP)	4239	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37029.481	19994.726	0.6	14
BBNC_B4 (BBNP)	4240	<i>Syzygium zeylanicum</i>	Myrtaceae	Native	Common	Tree	37023.395	19983.776	1.1	20
BBNC_B4 (BBNP)	4241	<i>Syzygium zeylanicum</i>	Myrtaceae	Native	Common	Tree	37017.982	19978.211	1.2	18
BBNC_B4 (BBNP)	4242	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37018.813	19972.073	1.1	14
BBNC_B4 (BBNP)	4243	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37021.827	19971.648	1.1	14
BBNC_B4 (BBNP)	4244	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37025.069	19973.686	1.4	18
BBNC_B4 (BBNP)	4245	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37029.276	19970.852	0.4	9



BBNC_B4 (BBNP)	4246	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37021.104	19965.691	1.2	12
BBNC_B4 (BBNP)	4247	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37016.301	19963.902	1.8	17
BBNC_B4 (BBNP)	4248	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37021.592	19959.464	2.3	18
BBNC_B4 (BBNP)	4249	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37020.874	19961.735	1.2	12
BBNC_B4 (BBNP)	4250	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37014.929	19955.443	1	15
BBNC_B4 (BBNP)	4251	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37011.488	19950.532	4.2	20
BBNC_B4 (BBNP)	4252	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37006.81	19946.793	2	18
BBNC_B4 (BBNP)	4253	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37006.505	19918.79	1.8	14
BBNC_B4 (BBNP)	4254	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37000.037	19917.823	2.5	15
BBNC_B4 (BBNP)	4255	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37001.06	19927.623	1.1	15
BBNC_B4 (BBNP)	4256	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37000.332	19929.064	1.6	14
BBNC_B4 (BBNP)	4257	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37002.104	19932.489	2.2	22
BBNC_B4 (BBNP)	4258	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37007.318	19931.756	4	16
BBNC_B4 (BBNP)	4259	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37002.792	19936.812	1.7	20
BBNC_B4 (BBNP)	4260	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36994.851	19936.609	2	20
BBNC_B4 (BBNP)	4261	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36989.548	19937.423	1	12
BBNC_B4 (BBNP)	4262	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36979.932	19938.199	2	18
BBNC_B4 (BBNP)	4263	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	36975.475	19948.113	2.6	12
BBNC_B4 (BBNP)	4264	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36994.811	19961.992	1.8	13
BBNC_B4 (BBNP)	4265	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36997.925	19964.518	2	16
BBNC_B4 (BBNP)	4266	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	37000.518	19957.287	1.1	11
BBNC_B4 (BBNP)	4267	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36999.192	19975.42	2.9	18
BBNC_B4 (BBNP)	4268	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	36998.839	19980.168	1.2	12
BBNC_B4 (BBNP)	4269	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36989.772	19971.924	1.3	12
BBNC_B4 (BBNP)	4270	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	36990.503	19986.512	1	13
BBNC_B4 (BBNP)	4271	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	36990.844	19987.766	1.2	13
BBNC_B4 (BBNP)	4272	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36989.263	19990.711	1.7	20
BBNC_B4 (BBNP)	4273	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	36987.989	19992.435	1.3	9
BBNC_B4 (BBNP)	4274	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36994.736	19996.995	1.2	15
BBNC_B4 (BBNP)	4275	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37016.157	20020.969	1.1	15
BBNC_B4 (BBNP)	4276	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37016.183	20025.116	3.2	20
BBNC_B4 (BBNP)	4277	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37006.189	20035.05	2.6	12
BBNC_B4 (BBNP)	4278	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37067.048	19883.833	1.4	10
BBNC_B4 (BBNP)	4279	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37062.874	19891.846	1.2	10
BBNC_B4 (BBNP)	4280	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37067.423	19892.881	2.6	12
BBNC_B4 (BBNP)	4281	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37071.795	19897.621	2.2	16
BBNC_B4 (BBNP)	4282	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37067.119	19906.378	2.8	13
BBNC_B4 (BBNP)	4283	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37067.044	19913.453	1.2	12
BBNC_B4 (BBNP)	4284	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37076.031	19931.899	2.4	12
BBNC_B4 (BBNP)	4285	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37087.873	19931.872	1.2	14
BBNC_B4 (BBNP)	4286	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37095.683	19970.794	1.1	14
BBNC_B4 (BBNP)	4287	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37099.534	19972.803	3.6	20
BBNC_B4 (BBNP)	4288	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37111.656	19970.518	1	11
BBNC_B4 (BBNP)	4289	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37109.531	19975.68	1	15
BBNC_B4 (BBNP)	4290	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37111.403	19985.081	2.6	20
BBNC_B4 (BBNP)	4291	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37107.926	19991.034	1.2	12
BBNC_B4 (BBNP)	4292	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37109.407	20003.013	3.8	25
BBNC_B4 (BBNP)	4293	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37107.047	20002.269	2.5	16
BBNC_B4 (BBNP)	4294	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37113.089	20001.335	1.4	16
BBNC_B4 (BBNP)	4295	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37123.146	20000.054	1.2	12
BBNC_B4 (BBNP)	4296	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37102.568	20009.67	3.6	22
BBNC_B4 (BBNP)	4297	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	37116.453	19974.184	1.1	16

BBNC_B4 (BBNP)	4298	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37117.274	19955.731	0.9	9
BBNC_B4 (BBNP)	4299	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37127.032	19937.999	1.2	10
BBNC_B4 (BBNP)	4300	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37107.724	19929.674	2.3	16
BBNC_B4 (BBNP)	4301	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37110.198	19926.727	1	12
BBNC_B4 (BBNP)	4302	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37109.368	19925.587	2.8	14
BBNC_B4 (BBNP)	4303	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37096.137	19922.314	1.1	13
BBNC_B4 (BBNP)	4304	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37100.072	19920.758	3.2	16
BBNC_B4 (BBNP)	4305	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37105.29	19912.826	2.8	18
BBNC_B4 (BBNP)	4306	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37109.038	19907.127	1.8	10
BBNC_B4 (BBNP)	4307	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37101.28	19895.27	3	16
BBNC_B4 (BBNP)	4308	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37094.701	19898.897	1.3	12
BBNC_B4 (BBNP)	4309	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37088.216	19895.01	1	8
BBNC_B4 (BBNP)	4310	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37092.318	19890.84	1.2	8
BBNC_B4 (BBNP)	4311	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37080.846	19883.185	1.8	19
BBNC_B4 (BBNP)	4312	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37090.599	19875.635	2.4	16
BBNC_B4 (BBNP)	4313	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37092.025	19877.379	1.2	12
BBNC_B4 (BBNP)	4314	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37107.963	19888.043	1.4	13
BBNC_B4 (BBNP)	4315	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37111.679	19889.779	2.3	22
BBNC_B4 (BBNP)	4316	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37117.228	19881.929	2.6	22
BBNC_B4 (BBNP)	4317	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37118.566	19876.719	2	15
BBNC_B4 (BBNP)	4318	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37122.236	19879.627	2.4	22
BBNC_B4 (BBNP)	4319	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37123.167	19887.002	1	13
BBNC_B4 (BBNP)	4320	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37121.38	19890.153	1.3	14
BBNC_B4 (BBNP)	4321	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37132.661	19888.03	1.4	12
BBNC_B4 (BBNP)	4322	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37133.525	19877.019	2.8	10
BBNC_B4 (BBNP)	4323	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37141.967	19871.039	1	10
BBNC_B4 (BBNP)	4324	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37144.529	19871.489	1.2	14
BBNC_B4 (BBNP)	4325	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37144.479	19866.551	1	10
BBNC_B4 (BBNP)	4326	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37147.917	19868.927	2.8	14
BBNC_B4 (BBNP)	4327	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37155.689	19873.163	1	11
BBNC_B4 (BBNP)	4328	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37152.797	19888.822	4	25
BBNC_B4 (BBNP)	4329	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37147.921	19888.704	2.2	13
BBNC_B4 (BBNP)	4330	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37137.877	19893.118	3.2	14
BBNC_B4 (BBNP)	4331	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37132.546	19896.942	1.1	8
BBNC_B4 (BBNP)	4332	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37130.951	19898.613	2.2	20
BBNC_B4 (BBNP)	4333	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37137.335	19905.721	2.4	14
BBNC_B4 (BBNP)	4334	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37138.105	19907.861	3.4	14
BBNC_B4 (BBNP)	4335	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37150.752	19908.463	3.2	14
BBNC_B4 (BBNP)	4336	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37157.39	19908.472	2.4	14
BBNC_B4 (BBNP)	4337	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37155.196	19913.065	3.8	18
BBNC_B4 (BBNP)	4338	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37162.77	19915.126	4.2	14
BBNC_B4 (BBNP)	4339	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37167.316	19919.483	2.8	14
BBNC_B4 (BBNP)	4340	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37154.6	19920.675	2	12
BBNC_B4 (BBNP)	4341	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37146.86	19919.597	4.2	15
BBNC_B4 (BBNP)	4342	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37139.446	19922.55	2.6	20
BBNC_B4 (BBNP)	4343	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37135.183	19921.901	1.2	12
BBNC_B4 (BBNP)	4344	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37133.513	19923.759	1.4	9
BBNC_B4 (BBNP)	4345	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37130.098	19910.493	1	12
BBNC_B4 (BBNP)	4346	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37115.746	19914.026	1	9
BBNC_B4 (BBNP)	4347	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37147.097	19911.227	1	12
BBNC_B2 (BBNP)	4348	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37303.156	20153.877	1	12
BBNC_B2 (BBNP)	4349	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37280.864	20155.948	1.1	16

BBNC_B2 (BBNP)	4350	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37392.184	20144.199	1	12
BBNC_B2 (BBNP)	4351	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37305.206	20146.86	0.4	12
BBNC_B2 (BBNP)	4352	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37308.909	20149.714	1.4	16
BBNC_B2 (BBNP)	4353	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37282.571	20161.216	1	18
BBNC_B2 (BBNP)	4354	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37313.164	20156.231	1.1	10
BBNC_B2 (BBNP)	4355	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37320.163	20149.974	1	16
BBNC_B2 (BBNP)	4356	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37325.962	20150.973	1.1	13
BBNC_B2 (BBNP)	4357	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37329.632	20144.777	1	18
BBNC_B2 (BBNP)	4358	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37373.538	20143.09	2.4	22
BBNC_B2 (BBNP)	4359	Unknown	Undetermined	Undetermined	Undetermined	Tree	37383.235	20149.076	1.1	22
BBNC_B2 (BBNP)	4360	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37410.88	20176.595	1.4	20
BBNC_B2 (BBNP)	4361	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37411.97	20177.924	2	20
BBNC_B2 (BBNP)	4362	<i>Camposperma squamatum</i>	Anacardiaceae	Native	Vulnerable	Tree	37422.287	20182.758	1.1	18
BBNC_B2 (BBNP)	4363	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37426.626	20171.543	1.3	20
BBNC_B2 (BBNP)	4364	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37430.05	20167.699	1	16
BBNC_B2 (BBNP)	4365	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37438.967	20165.683	1	18
BBNC_B2 (BBNP)	4366	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	37444.601	20170.279	0.3	8
BBNC_B2 (BBNP)	4401	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37278.635	20141.007	1	13
BBNC_B2 (BBNP)	4402	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37277.4	20138.717	1	10
BBNC_B2 (BBNP)	4403	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37276.665	20156.101	1.4	14
BBNC_B2 (BBNP)	4404	<i>Gymnacranthera farquhariana</i> var. <i>eugeniifolia</i>	Myristicaceae	Native	Critically endangered	Tree	37245.605	20157.609	0.3	8
BBNC_B2 (BBNP)	4405	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37235.908	20160.244	2.2	15
BBNC_B2 (BBNP)	4406	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37237.416	20161.659	1.2	14
BBNC_B2 (BBNP)	4407	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37246.788	20152.58	1.2	13
BBNC_B2 (BBNP)	4408	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37244.161	20168.273	1.1	15
BBNC_B2 (BBNP)	4409	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37249.001	20176.345	1.1	10
BBNC_B2 (BBNP)	4410	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37260.624	20194.073	1.1	14
BBNC_B2 (BBNP)	4411	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37265.801	20156.54	1.1	13
BBNC_B2 (BBNP)	4412	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37262.605	20166.744	1.2	12
BBNC_B2 (BBNP)	4413	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37270.693	20175.205	0.4	9
BBNC_B2 (BBNP)	4414	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37278.412	20176.024	2.2	13
BBNC_B2 (BBNP)	4415	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37273.191	20178.6	1.1	16
BBNC_B2 (BBNP)	4416	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37269.676	20183.554	1.6	12
BBNC_B2 (BBNP)	4417	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37278.676	20187.951	1	16
BBNC_B2 (BBNP)	4418	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37277.769	20200.61	2.5	10
BBNC_B2 (BBNP)	4419	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37278.091	20202.793	1.2	9
BBNC_B2 (BBNP)	4420	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37277.097	20203.043	1	16
BBNC_B2 (BBNP)	4421	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37319.82	20298.62	1	14
BBNC_B2 (BBNP)	4422	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37326.07	20307.9	1	10
BBNC_B2 (BBNP)	4423	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37328.03	20311.43	1.1	10
BBNC_B2 (BBNP)	4424	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37325.4	20312.14	1.1	12
BBNC_B2 (BBNP)	4425	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37335.11	20319.71	1.1	10
BBNC_B2 (BBNP)	4426	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37334.22	20317.4	1	8
BBNC_B2 (BBNP)	4427	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37318.41	20321.05	1.2	16
BBNC_B2 (BBNP)	4428	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37315.52	20319.44	1.4	16
BBNC_B2 (BBNP)	4429	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37307.41	20327.08	1.3	16
BBNC_B2 (BBNP)	4431	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37319.27	20329.21	1.4	14
BBNC_B2 (BBNP)	4432	<i>Alstonia</i> cf. <i>angustiloba</i>	Apocynaceae	Native	Common	Tree	37310.16	20337.17	1.6	12
BBNC_B2 (BBNP)	4501	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37429.683	20272.6	1.2	15
BBNC_B2 (BBNP)	4502	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37434.733	20259.705	1.5	15
BBNC_B2 (BBNP)	4503	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37405.556	20294.09	1	15
BBNC_B2 (BBNP)	4504	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37403.882	20296.659	1.1	19

BBNC_B2 (BBNP)	4505	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37388.608	20312.114	1.6	18
BBNC_B2 (BBNP)	4506	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37388.376	20310.668	1.3	10
BBNC_B2 (BBNP)	4507	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37391.612	20316.038	1.3	16
BBNC_B2 (BBNP)	4508	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37383.463	20317.355	1.1	15
BBNC_B2 (BBNP)	4509	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37382.115	20316.516	1.2	13
BBNC_B2 (BBNP)	4510	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37364.746	20314.714	1.2	15
BBNC_B2 (BBNP)	4512	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37348.335	20314.531	1.1	16
BBNC_B2 (BBNP)	4513	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37344.055	20312.153	1	13
BBNC_B2 (BBNP)	4514	<i>Macaranga heynei</i>	Euphorbiaceae	Native	Common	Tree	37352.817	20298.615	1	10
BBNC_B2 (BBNP)	4515	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37359.841	20293.815	0.3	5
BBNC_B2 (BBNP)	4516	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37366.867	20298.247	1.3	18
BBNC_B2 (BBNP)	4517	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37363.571	20299.648	1.1	16
BBNC_B2 (BBNP)	4518	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37364.599	20302.505	1.3	16
BBNC_B2 (BBNP)	4519	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37369.7	20301.923	1.6	19
BBNC_B2 (BBNP)	4520	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37371.045	20300.783	1	13
BBNC_B2 (BBNP)	4521	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37376.39	20299.556	1	16
BBNC_B2 (BBNP)	4522	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37382.251	20301.06	1	7
BBNC_B2 (BBNP)	4523	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37385.747	20295.523	1.3	16
BBNC_B2 (BBNP)	4524	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37362.643	20262.113	1	14
BBNC_B2 (BBNP)	4525	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37360.507	20257.497	1	12
BBNC_B2 (BBNP)	4526	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37360.314	20249.446	2	10
BBNC_B2 (BBNP)	4527	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37366.296	20233.454	1.2	8
BBNC_B2 (BBNP)	4528	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37326.97	20262.256	1	12
BBNC_B2 (BBNP)	4529	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37327.248	20260.274	1.1	10
BBNC_B2 (BBNP)	4530	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37326.212	20258.366	1.3	15
BBNC_B2 (BBNP)	4531	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37279.211	20240.137	1.8	15
BBNC_B2 (BBNP)	4532	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37263.295	20248.969	3	8
BBNC_B2 (BBNP)	4533	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37276.232	20239.42	1.2	14
BBNC_B2 (BBNP)	4534	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37258.914	20258.836	1.3	15
BBNC_B2 (BBNP)	4535	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37245.109	20272.041	1.8	20
BBNC_B2 (BBNP)	4536	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37246.427	20264.317	1.5	17
BBNC_B2 (BBNP)	4537	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37240.483	20261.769	1	15
BBNC_B2 (BBNP)	4538	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37242.555	20262.526	1	15
BBNC_B2 (BBNP)	4539	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37256.627	20287.995	1.3	15
BBNC_B2 (BBNP)	4540	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37269.89	20300.88	1.6	10
BBNC_B2 (BBNP)	4541	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37276.692	20307.342	1.6	12
BBNC_B2 (BBNP)	4542	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37270.777	20315.946	1.5	12
BBNC_B2 (BBNP)	4543	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37268.112	20310.437	1.2	12
BBNC_B2 (BBNP)	4544	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37267.608	20327.816	1.4	12
BBNC_B2 (BBNP)	4545	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37265.48	20335.799	1.1	15
BBNC_B2 (BBNP)	4546	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37267.206	20336.679	2	20
BBNC_B2 (BBNP)	4547	Unknown	Undetermined	Undetermined	Undetermined	Tree	37262.177	20334.154	0.6	10
BBNC_B2 (BBNP)	4548	<i>Artocarpus cf. elasticus</i>	Moraceae	Native	Common	Tree	37264.245	20342.076	1.3	15
BBNC_B2 (BBNP)	4549	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37273.348	20339.26	3	18
BBNC_B2 (BBNP)	4550	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37289.816	20339.512	1.5	16
BBNC_B2 (BBNP)	4551	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37289.27	20339.175	1.3	12
BBNC_B2 (BBNP)	4552	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37291.346	20342.639	1.4	10
BBNC_B2 (BBNP)	4553	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37286.883	20330.335	1.1	12
BBNC_D	4587	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37840.516	19261.425	1.2	12
BBNC_D	4597	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37898.49	19263.985	1.3	6
BBNC_B4 (BBNP)	4602	<i>Eurya acuminata</i>	Pentaphylacaceae	Native	Common	Tree	37136.05	20020.59	1.2	15
BBNC_B4 (BBNP)	4603	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37144.27	20000.65	1	8

BBNC_B4 (BBNP)	4604	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37149.57	20005.45	1	6
BBNC_B4 (BBNP)	4605	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37156.97	19999.16	1	6
BBNC_B4 (BBNP)	4606	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37175.68	19983.62	1	8
BBNC_B4 (BBNP)	4607	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37176.29	19974.32	1	8
BBNC_B4 (BBNP)	4608	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37167.59	19971.3	1.8	12
BBNC_B4 (BBNP)	4609	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37175.77	19964.61	2	14
BBNC_B4 (BBNP)	4610	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37174.35	19966.84	1.6	18
BBNC_B4 (BBNP)	4611	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37174.07	19971.47	1.6	16
BBNC_B4 (BBNP)	4612	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37174.09	19961.5	1.2	16
BBNC_B4 (BBNP)	4613	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37169.11	19966.73	1	10
BBNC_B4 (BBNP)	4614	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37145.58	19964.36	1.2	22
BBNC_B4 (BBNP)	4615	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37137.42	19972.52	1.6	10
BBNC_B4 (BBNP)	4616	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37146.03	19968.71	2.2	14
BBNC_B4 (BBNP)	4617	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37126.01	19977.19	1.4	12
BBNC_B4 (BBNP)	4618	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37130.42	19958.55	1	14
BBNC_B4 (BBNP)	4619	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37138.69	19954.31	1.2	20
BBNC_B4 (BBNP)	4620	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37140.07	19957.93	1.2	14
BBNC_B4 (BBNP)	4621	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37146.62	19939.41	2.2	16
BBNC_B4 (BBNP)	4622	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37143.89	19936.03	1.1	14
BBNC_B4 (BBNP)	4623	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37186.64	19950.02	2.2	16
BBNC_B4 (BBNP)	4624	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37191.58	19953.59	1	10
BBNC_B4 (BBNP)	4625	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37191.88	19944.85	2	14
BBNC_B4 (BBNP)	4626	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37192.33	19944.78	1.6	14
BBNC_B4 (BBNP)	4627	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37190	19935.54	1	10
BBNC_B4 (BBNP)	4628	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37193.06	19932.26	2.2	20
BBNC_B4 (BBNP)	4629	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37194.9	19928.32	2	18
BBNC_B4 (BBNP)	4630	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37199.67	19921.64	2.4	20
BBNC_B4 (BBNP)	4631	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37196.34	19927.59	1.4	14
BBNC_B4 (BBNP)	4632	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37181.07	19923.62	3	20
BBNC_B4 (BBNP)	4633	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37192.19	19920.6	1.8	20
BBNC_B4 (BBNP)	4634	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37195.1	19917.71	2.2	20
BBNC_B4 (BBNP)	4635	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37189.21	19922.33	2	20
BBNC_B4 (BBNP)	4636	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37185.22	19924.7	2.4	25
BBNC_B4 (BBNP)	4637	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37199.11	19911.95	1.6	16
BBNC_B4 (BBNP)	4638	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37184.21	19898.14	3.6	40
BBNC_B4 (BBNP)	4639	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37179.47	19899.58	1.3	16
BBNC_B4 (BBNP)	4640	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37179.95	19886.19	1.2	14
BBNC_B4 (BBNP)	4641	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37167.01	19879.91	1.1	12
BBNC_B4 (BBNP)	4642	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37173.22	19884.58	1.1	12
BBNC_B4 (BBNP)	4643	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37178.02	19876.51	5	25
BBNC_B4 (BBNP)	4644	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37157.47	19880.8	1.4	20
BBNC_B4 (BBNP)	4645	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37167.94	19887.33	1	14
BBNC_B4 (BBNP)	4646	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37173.34	19902.36	1.4	14
BBNC_B2 (BBNP)	4647	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37236.88	20083.15	1	12
BBNC_B2 (BBNP)	4648	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37250.33	20132.44	1.2	16
BBNC_B2 (BBNP)	4649	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37248.42	20135.91	1.6	20
BBNC_B2 (BBNP)	4650	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37255.05	20134.97	1.2	20
BBNC_B2 (BBNP)	4651	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37256.58	20138.63	1.6	16
BBNC_B2 (BBNP)	4652	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37258.91	20138.2	1.4	20
BBNC_B2 (BBNP)	4653	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37265	20124.75	1.5	16
BBNC_B2 (BBNP)	4654	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37270.24	20123.31	0.4	8
BBNC_B2 (BBNP)	4655	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37271.57	20118.16	2.4	20

BBNC_B2 (BBNP)	4656	<i>Memecylon</i> sp.	Melastomataceae	Undetermined	Undetermined	Tree	37274.39	20116.64	0.3	6
BBNC_B2 (BBNP)	4657	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37280.78	20117.73	0.4	8
BBNC_B2 (BBNP)	4658	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37273.92	20103.75	1.3	20
BBNC_B2 (BBNP)	4659	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37279.33	20109.33	2	40
BBNC_B2 (BBNP)	4660	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37276.34	20102.22	1.8	20
BBNC_B2 (BBNP)	4661	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37284.95	20093.82	1.6	20
BBNC_B2 (BBNP)	4662	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37291.25	20096.03	2.4	20
BBNC_B2 (BBNP)	4663	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37287.64	20086.68	1.8	20
BBNC_B2 (BBNP)	4664	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37295.67	20078.89	1.4	18
BBNC_B2 (BBNP)	4665	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37296.07	20082.94	1.3	20
BBNC_B2 (BBNP)	4666	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37301.59	20084.07	1.6	18
BBNC_B2 (BBNP)	4667	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37302.76	20083.63	1.6	20
BBNC_B2 (BBNP)	4668	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37286.82	20069.31	1.7	20
BBNC_B2 (BBNP)	4669	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37284.86	20074.99	1.8	20
BBNC_B2 (BBNP)	4670	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37286.64	20078.52	1	16
BBNC_B2 (BBNP)	4671	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37292.64	20074.72	1.2	20
BBNC_B2 (BBNP)	4672	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37293.52	20079.41	1	20
BBNC_B2 (BBNP)	4673	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37289.05	20075.75	1	16
BBNC_B2 (BBNP)	4674	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37279.43	20074.96	1	18
BBNC_B2 (BBNP)	4675	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37280.41	20074.98	1.8	16
BBNC_B2 (BBNP)	4676	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37276.17	20088.55	1.7	18
BBNC_B2 (BBNP)	4677	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37274.87	20092.91	1.4	20
BBNC_B2 (BBNP)	4678	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37272.4	20088.85	2.2	22
BBNC_B2 (BBNP)	4679	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37273.94	20101.81	1.3	18
BBNC_B2 (BBNP)	4680	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37269.75	20098.48	2	22
BBNC_B2 (BBNP)	4681	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37264.37	20101.08	1.8	20
BBNC_B2 (BBNP)	4682	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37257.98	20114.72	1.1	16
BBNC_B2 (BBNP)	4683	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37258.07	20119.03	1	20
BBNC_B2 (BBNP)	4684	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37247.49	20109.3	2.5	25
BBNC_B2 (BBNP)	4685	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37259.98	20073.89	2.4	20
BBNC_B2 (BBNP)	4686	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37267.59	20090.48	1.3	22
BBNC_B2 (BBNP)	4687	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37265.61	20085.54	1.2	20
BBNC_B2 (BBNP)	4688	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37241.38	20073.69	1	20
BBNC_B2 (BBNP)	4689	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37281.99	20105.45	1.7	18
BBNC_B2 (BBNP)	4690	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37299.14	20110.67	1	14
BBNC_B2 (BBNP)	4691	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37284.96	20130.02	1	20
BBNC_B2 (BBNP)	4692	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37306.67	20136.21	0.3	8
BBNC_B2 (BBNP)	4693	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37313.42	20123.23	1.3	16
BBNC_B2 (BBNP)	4694	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37330.04	20115.84	1.1	12
BBNC_B2 (BBNP)	4695	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37337.57	20124	1.5	16
BBNC_B2 (BBNP)	4696	<i>Ficus vasculosa</i>	Moraceae	Native	Common	Tree	37338.14	20128.36	0.7	8
BBNC_D	4701	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37960.923	19306.831	1.6	18
BBNC_D	4702	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37967.671	19309.907	1.6	18
BBNC_D	4703	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37961.394	19316.592	1.3	18
BBNC_D	4704	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37969.667	19322.259	1.4	20
BBNC_D	4705	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37968.476	19331.09	1.5	20
BBNC_D	4706	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37974.792	19339.069	1.5	20
BBNC_D	4707	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37980.763	19341.048	1.1	18
BBNC_D	4708	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37985.356	19331.58	1.3	18
BBNC_D	4709	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37997.846	19331.652	1	20
BBNC_D	4710	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37994.582	19340.77	1.4	20
BBNC_D	4712	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37992.021	19328.798	1.4	20

BBNC_D	4713	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37997.454	19323.632	1.4	20
BBNC_D	4714	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37997.397	19317.564	1.2	18
BBNC_D	4715	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38000.578	19337.196	1.3	22
BBNC_D	4716	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.12	19347.903	1.4	20
BBNC_D	4717	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37997.866	19347.034	1.1	20
BBNC_D	4718	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.862	19354.178	1.2	20
BBNC_D	4719	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38002.735	19355.199	1.1	20
BBNC_D	4720	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.718	19363.237	1.6	20
BBNC_D	4721	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38012.224	19359.476	1.4	20
BBNC_D	4722	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38008.501	19360.991	1.5	20
BBNC_D	4723	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38012.788	19348.007	1.2	20
BBNC_D	4724	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38014.847	19336.551	1.2	16
BBNC_D	4725	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38018.378	19348.248	1	20
BBNC_D	4726	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38016.234	19343.353	1.4	20
BBNC_D	4727	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38017.637	19356.139	1.2	20
BBNC_D	4728	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38019.596	19365.831	1.1	20
BBNC_D	4729	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38015.85	19369.124	1.2	18
BBNC_D	4730	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38007.072	19371.193	1.1	16
BBNC_D	4731	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38002.537	19377.311	1.3	20
BBNC_D	4732	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37968.49	19384.17	1.4	20
BBNC_D	4733	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37961.219	19385.407	1.6	20
BBNC_D	4734	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37952.073	19391.753	1.2	20
BBNC_D	4780	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37928.825	19341.758	2.8	25
BBNC_D	4917	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37853.949	19245.936	1.8	14
BBNC_D	4949	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37863.627	19423.945	1.3	20
BBNC_D	4956	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37887.161	19408.209	1.5	16
BBNC_D	4957	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37882.623	19403.387	1.1	14
BBNC_D	4958	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37883.675	19402.51	1.4	18
BBNC_D	4959	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37883.205	19402.344	1.5	18
BBNC_D	4960	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37876.227	19395.392	1.4	16
BBNC_D	4961	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37875.607	19386.42	1.7	18
BBNC_D	4962	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37872.447	19379.873	1	12
BBNC_D	4963	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37873.431	19378.266	1.5	12
BBNC_D	4964	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37869.659	19379.955	1.3	14
BBNC_D	4965	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37860.394	19384.817	1.2	14
BBNC_D	4966	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37857.062	19385.547	1.4	14
BBNC_D	4967	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37863.912	19393.864	1.5	16
BBNC_D	4968	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37851.508	19393.772	1.2	10
BBNC_D	4969	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37850.364	19391.572	1.1	8
BBNC_D	4970	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37854.177	19401.029	1.1	12
BBNC_D	4971	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37870.033	19399.866	1.1	16
BBNC_D	4972	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37881.418	19388.894	1.2	18
BBNC_D	4973	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37880.068	19380.272	1.5	16
BBNC_D	4974	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37887.765	19379.011	1.3	20
BBNC_D	4976	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37902.478	19390.575	1.6	18
BBNC_D	4977	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37905.598	19400.901	1.3	20
BBNC_D	4978	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37906.76	19391.928	1.5	18
BBNC_D	4979	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37905.201	19390.484	1.3	18
BBNC_D	4980	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37915.679	19385.162	1.3	18
BBNC_D	4981	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37915.238	19385.942	1.4	20
BBNC_D	4982	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37921.031	19382.902	1.5	18
BBNC_D	4983	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37929.763	19381.472	1.9	25

BBNC_D	4984	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37934.027	19397.549	1.4	18
BBNC_D	4985	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37924.191	19398.083	1.1	18
BBNC_D	4986	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37916.222	19391.281	1	16
BBNC_D	4987	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37929.515	19406.085	1.7	20
BBNC_D	4988	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37917.12	19408.793	1.4	18
BBNC_D	4989	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37909.489	19413.998	1.2	20
BBNC_D	4990	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37907.595	19413.607	1.1	20
BBNC_D	4991	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37898.453	19414.311	1.2	18
BBNC_D	4992	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37896.135	19413.181	1.1	20
BBNC_D	4993	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37900.399	19414.484	1.3	20
BBNC_D	4994	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37913.241	19410.964	1.6	20
BBNC_D	4995	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37924.51	19413.402	1.6	20
BBNC_D	4996	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37925.908	19414.12	1.4	20
BBNC_D	4997	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37928.039	19396.91	1.4	20
BBNC_D	4998	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37932.054	19392.176	1.5	18
BBNC_D	4999	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37939.797	19393.618	1.2	18
BBNC_D	5000	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37945.048	19393.114	1.2	18
BBNC_D	5137	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37965.15	19291.1	1.2	18
BBNC_D	5138	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37967.26	19292.98	1.6	22
BBNC_D	5139	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37965.38	19281.3	1.4	20
BBNC_D	5140	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37973.49	19277.85	1.4	16
BBNC_D	5141	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37964.27	19271.14	1.1	16
BBNC_D	5142	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37972.21	19269.72	1.1	15
BBNC_D	5143	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37974.75	19267.77	2	12
BBNC_D	5144	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37986.47	19242.82	1.1	20
BBNC_D	5145	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37984.1	19250.92	1.6	20
BBNC_D	5146	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37990.22	19238.17	1.3	12
BBNC_D	5147	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37991.68	19232.84	1	16
BBNC_D	5148	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37987.22	19240.32	1.3	18
BBNC_D	5149	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37994.76	19238.71	1	15
BBNC_D	5150	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38001.05	19207.39	1.3	18
BBNC_D	5151	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	38009.32	19213.91	1	12
BBNC_D	5152	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37993.89	19201.06	1	14
BBNC_D	5153	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38015.36	19187.18	1.8	18
BBNC_D	5154	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38021.12	19192.9	2.1	16
BBNC_D	5155	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38033.84	19194.8	1.1	16
BBNC_D	5156	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38013.74	19216.95	1.2	18
BBNC_D	5157	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38021.5	19212.17	1.3	18
BBNC_D	5158	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38007.95	19216.62	1.5	18
BBNC_D	5159	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38007.26	19225.21	1.8	20
BBNC_D	5160	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38015.4	19221.9	1.4	18
BBNC_D	5161	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38011.57	19226.72	1.2	20
BBNC_D	5162	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38016.69	19237.33	1.1	19
BBNC_D	5163	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38018.08	19218.85	1.3	18
BBNC_D	5164	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38010.57	19233.78	1.3	18
BBNC_D	5165	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38006.22	19238.72	1.1	18
BBNC_D	5166	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38012.42	19235.91	1.5	18
BBNC_D	5167	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.94	19236.03	1.1	17
BBNC_D	5168	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37991.83	19243.33	1.5	17
BBNC_D	5169	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37997.26	19246.47	1.2	16
BBNC_D	5170	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38001.95	19239.88	1	8
BBNC_D	5171	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.49	19255.77	1.5	12



BBNC_D	5172	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37992.72	19248.94	1	12
BBNC_D	5173	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37991.62	19261.47	1.2	18
BBNC_D	5174	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37985.52	19249.39	1.1	13
BBNC_D	5175	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37985.85	19260.87	1.4	15
BBNC_D	5177	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37983.6	19272.58	1.4	16
BBNC_D	5178	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37972	19271.95	1.5	18
BBNC_D	5179	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37986.47	19291.17	1.1	18
BBNC_D	5180	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37991.64	19284.42	1.2	18
BBNC_D	5181	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37994.27	19279.2	1.5	20
BBNC_D	5182	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.84	19283.35	1.1	18
BBNC_D	5183	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38001.06	19288.74	1.2	18
BBNC_D	5184	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38004.65	19273.69	1.3	18
BBNC_D	5185	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37998.41	19278.23	1.5	18
BBNC_D	5186	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37997	19272.01	1	11
BBNC_D	5187	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37994.48	19273.04	1	15
BBNC_D	5188	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37990.15	19267.63	1.3	18
BBNC_D	5189	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37992.57	19268.24	1	17
BBNC_D	5190	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.61	19269.56	1.3	17
BBNC_D	5227	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38021.7	19269.611	1.3	18
BBNC_D	5301	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37998.519	19327.175	1.1	16
BBNC_D	5304	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37980.598	19300.454	1.4	18
BBNC_D	5313	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38018.595	19343.842	1	16
BBNC_D	5334	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38031.885	19355.982	1.2	16
BBNC_D	5335	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38054.956	19356.892	1.5	14
BBNC_D	5336	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38079.513	19364.507	1.2	14
BBNC_D	5337	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38090.793	19375.148	1.2	16
BBNC_D	5338	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38096.556	19373.116	1	15
BBNC_D	5339	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38097.034	19364.262	1.2	13
BBNC_D	5340	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38106.714	19371.617	1.2	13
BBNC_D	5341	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38109.962	19364.933	1.4	16
BBNC_D	5342	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38103.259	19374.71	1.2	15
BBNC_D	5343	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38098.78	19374.415	1.2	15
BBNC_D	5344	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38110.012	19376.393	1.2	16
BBNC_D	5345	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38062.491	19293.829	1.2	17
BBNC_D	5346	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38057.069	19291.608	1.2	16
BBNC_D	5347	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38051.123	19288.773	1.2	16
BBNC_D	5348	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38063.596	19285.242	1.1	16
BBNC_D	5349	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38061.333	19281.905	1.3	16
BBNC_D	5350	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38058.682	19282.72	1.1	17
BBNC_D	5351	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38062.086	19278.143	1	15
BBNC_D	5352	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38065.998	19271.851	1.2	14
BBNC_D	5353	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38062.746	19269.954	1.1	16
BBNC_D	5354	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38059.539	19269.142	1.2	16
BBNC_D	5355	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38058.013	19265.776	1.3	16
BBNC_D	5356	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38073.242	19262.723	1.2	15
BBNC_D	5357	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38076.444	19253.534	1.1	14
BBNC_D	5358	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38074.78	19246.764	1.2	15
BBNC_D	5359	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38079.851	19244.823	1.2	14
BBNC_D	5360	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38073.626	19244.463	1	16
BBNC_D	5361	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38071.671	19240.205	1.1	15
BBNC_D	5362	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38067.285	19240.037	1.3	15
BBNC_D	5363	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38066.681	19241.998	1.1	15

BBNC_D	5364	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38066.68	19243.724	1	14
BBNC_D	5365	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38069.217	19248.639	1.1	16
BBNC_D	5366	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38065.647	19248.735	1	17
BBNC_D	5367	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38065.808	19242.053	1	17
BBNC_D	5368	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38071.321	19232.085	1.1	15
BBNC_D	5369	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38076.632	19227.347	1.1	15
BBNC_D	5370	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38076.974	19227.101	1	12
BBNC_D	5371	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38081.843	19228.285	1.5	15
BBNC_D	5372	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38078.155	19223.56	1	15
BBNC_D	5373	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38073.297	19218.927	1.3	15
BBNC_D	5374	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38069.642	19217.076	1.4	15
BBNC_D	5407	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	38067.44	19305.326	1	10
BBNC_D	5408	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38059.652	19307.255	1.1	12
BBNC_D	5440	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38061.61	19202.61	1.3	16
BBNC_D	5441	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38150.7	19386.71	1.1	18
BBNC_D	5442	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38156.14	19398.25	1	18
BBNC_D	5443	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38131.29	19417.15	1	16
BBNC_D	5444	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38129.75	19423.74	2.5	8
BBNC_D	5445	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38136.08	19423.73	1.1	15
BBNC_D	5446	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38134.79	19422.77	1	15
BBNC_D	5447	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38144.44	19409.78	1.3	8
BBNC_D	5448	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38144.43	19410.12	1.1	15
BBNC_D	5449	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38117.5	19385.56	2.5	8
BBNC_D	5450	<i>Symplocos fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	38119.11	19384.4	0.8	9
BBNC_D	5451	<i>Symplocos fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	38117.69	19391.94	0.6	10
BBNC_D	5452	<i>Symplocos fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	38111.95	19391.82	1	12
BBNC_D	5453	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38106.23	19384.99	1	12
BBNC_D	5454	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38101.57	19402.94	1	12
BBNC_D	5455	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	38101.57	19402.94	1.1	16
BBNC_D	5456	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38102.56	19403.03	2	7
BBNC_D	5457	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38107.32	19409.28	1.3	16
BBNC_D	5458	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38113.98	19415.68	1.3	8
BBNC_D	5459	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38107.57	19409.3	1.2	18
BBNC_D	5460	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38100.48	19422.02	1.4	15
BBNC_D	5461	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38106.73	19422.01	1.5	20
BBNC_D	5462	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38108.17	19415.72	1	18
BBNC_D	5463	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38113.96	19422.05	1.2	18
BBNC_D	5464	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38114.51	19422.09	1.7	18
BBNC_D	5465	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38108.17	19415.72	1.2	16
BBNC_D	5466	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38125.9	19428.4	2.5	8
BBNC_D	5467	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38126.56	19428.43	2.5	8
BBNC_D	5468	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38125.86	19422.02	1.3	10
BBNC_D	5469	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38119.67	19415.65	1.1	9
BBNC_D	5470	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38119.32	19409.26	1.1	15
BBNC_D	5471	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38100.31	19390.13	2.5	8
BBNC_D	5472	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38106.99	19402.89	1.3	16
BBNC_D	5473	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38083.31	19383.88	1.3	17
BBNC_D	5474	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38088.45	19396.54	1	15
BBNC_D	5475	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38088.45	19396.54	1.1	19
BBNC_D	5476	<i>Symplocos fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	38087.88	19396.51	0.3	6
BBNC_D	5477	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38082.01	19402.91	1.2	13
BBNC_D	5478	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38082.21	19409.3	1.1	15

BBNC_D	5479	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38075.27	19409.27	1.1	18
BBNC_D	5480	<i>Symplocos fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	38075.35	19415.65	0.3	7
BBNC_D	5481	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38081.95	19415.66	1.3	20
BBNC_D	5482	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38087.97	19422.02	1.2	16
BBNC_D	5483	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38095.22	19415.69	1.8	18
BBNC_D	5484	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38069.03	19415.65	1.1	9
BBNC_D	5485	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38094.6	19415.66	1.2	6
BBNC_D	5486	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38094.33	19415.65	1.1	14
BBNC_D	5487	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38100.52	19422.02	1.1	16
BBNC_D	5488	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38075.89	19409.3	1.2	17
BBNC_D	5489	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38069.03	19415.65	1.4	20
BBNC_D	5490	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38068.79	19402.89	1.3	18
BBNC_D	5491	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38063.1	19402.91	1.6	18
BBNC_D	5492	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38063.55	19397.73	1	15
BBNC_D	5493	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38056.18	19402.89	1.6	18
BBNC_D	5494	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38057.07	19409.31	1.2	15
BBNC_D	5495	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38062.42	19396.51	1.1	18
BBNC_D	5496	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38062.67	19396.52	1.1	17
BBNC_D	5497	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38056.59	19396.53	1.2	18
BBNC_D	5498	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38050.69	19396.55	1.3	19
BBNC_D	5499	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38063.37	19383.8	1.2	18
BBNC_D	5500	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38056.78	19383.78	1	16
BBNC_D	5601	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38050.45	19377.41	1.3	18
BBNC_D	5602	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38076.43	19377.45	2.5	8
BBNC_D	5603	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38011.251	19369.712	1	16
BBNC_D	5604	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38028.837	19387.324	1.6	20
BBNC_D	5605	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38030.723	19389.152	1.2	18
BBNC_D	5606	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38031.7	19391.126	1.1	16
BBNC_D	5607	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38033.791	19392.13	1.3	17
BBNC_D	5608	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38035.833	19393.279	1.4	18
BBNC_D	5609	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38039.174	19398.728	1.3	18
BBNC_D	5610	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38042.281	19392.807	1	16
BBNC_D	5611	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38041.903	19394.325	1.3	17
BBNC_D	5612	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38037.818	19400.157	1.6	19
BBNC_D	5613	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38038.686	19402.733	1.1	13
BBNC_D	5614	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38033.542	19404.182	1.6	18
BBNC_D	5615	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38032.48	19409.083	1.4	18
BBNC_D	5616	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38031.953	19412.996	1.5	17
BBNC_D	5617	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38023.165	19414.333	1.4	18
BBNC_D	5618	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38023.919	19404.329	1.2	18
BBNC_D	5619	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38023.176	19402.571	1.5	18
BBNC_D	5620	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38020.241	19393.665	1.4	18
BBNC_D	5621	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38013.357	19392.301	1.4	16
BBNC_D	5622	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38011.646	19389.625	1.4	17
BBNC_D	5623	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38014.585	19384.654	1.5	17
BBNC_D	5624	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38018.188	19378.215	1.4	18
BBNC_D	5625	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38021.308	19378.676	1.6	18
BBNC_D	5626	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38021.663	19376.426	1.2	16
BBNC_D	5627	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38010.498	19394.513	1.4	18
BBNC_D	5628	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38002.107	19396.776	1.4	17
BBNC_D	5629	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37988.224	19407.559	1.7	17
BBNC_D	5630	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37992.134	19409.549	1.5	18

BBNC_D	5631	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37996.388	19408.482	1.2	18
BBNC_D	5632	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.929	19409.422	1	17
BBNC_D	5633	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37997.539	19400.593	1.4	16
BBNC_D	5634	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37994.057	19393.193	1.5	17
BBNC_D	5635	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38004.558	19382.694	1.4	18
BBNC_D	5636	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37989.282	19385.115	1.1	17
BBNC_D	5637	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37986.546	19386.276	1.5	15
BBNC_D	5638	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37988.127	19389.057	1.3	18
BBNC_D	5639	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37990.579	19392.222	1.5	20
BBNC_D	5640	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37988.473	19397.057	1.4	16
BBNC_D	5641	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37985.877	19396.145	1.4	16
BBNC_D	5642	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37985.001	19406.051	1.2	18
BBNC_D	5643	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37987.214	19408.629	1.8	18
BBNC_D	5644	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37981.644	19412.441	1.4	18
BBNC_D	5645	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37984.47	19418.516	1.3	17
BBNC_D	5646	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37987.84	19420.086	1.8	18
BBNC_D	5647	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37979.31	19408.499	1.4	18
BBNC_D	5648	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37981.053	19402.244	1	17
BBNC_D	5649	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37976.585	19400.226	1	16
BBNC_D	5650	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37976.681	19392.297	1.3	17
BBNC_D	5651	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37975.687	19392.652	1.3	17
BBNC_D	5652	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37973.483	19391.587	1.3	18
BBNC_D	5653	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37970.492	19393.784	1.5	18
BBNC_D	5654	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37971.171	19394.69	1.1	17
BBNC_D	5655	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37971.848	19395.243	1.3	16
BBNC_D	5656	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37971.282	19400.216	1	16
BBNC_D	5657	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37973.924	19403.899	1.7	17
BBNC_D	5658	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37978.743	19406.721	1.1	18
BBNC_D	5659	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37979.202	19406.98	1	16
BBNC_D	5660	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37973.458	19412.708	1.3	17
BBNC_D	5661	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37973.431	19419.664	1.5	16
BBNC_D	5662	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37978.509	19427.225	1.3	18
BBNC_D	5663	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37976.053	19425.971	1.1	18
BBNC_D	5664	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37972.606	19424.25	1.5	17
BBNC_D	5665	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37969.137	19421.005	1.2	17
BBNC_D	5666	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37967.81	19417.312	1.4	17
BBNC_D	5667	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37972.046	19403.049	1	12
BBNC_D	5668	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37966.13	19404.657	1.3	18
BBNC_D	5669	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37966.053	19407.176	1	16
BBNC_D	5670	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37957.683	19408.165	1.9	17
BBNC_D	5671	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37954.76	19408.105	1.6	16
BBNC_D	5672	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37948.939	19402.155	1.6	16
BBNC_D	5673	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37950.179	19401.933	1.1	18
BBNC_D	5674	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37948.909	19397.558	1.1	17
BBNC_D	5675	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37942.829	19400.596	1.3	18
BBNC_D	5676	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37939.868	19406.905	1.4	15
BBNC_D	5677	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37936.124	19411.485	1.6	19
BBNC_D	5678	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37944.163	19416.129	1.5	8
BBNC_D	5679	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37942.697	19417.11	1.4	18
BBNC_D	5680	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	37949.633	19429.88	1.1	13
BBNC_D	5681	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37951.547	19437.733	1.1	16
BBNC_D	5682	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37947.02	19448.924	1.6	20

BBNC_D	5683	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37943.556	19449.987	1	18
BBNC_D	5684	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37942.212	19448.223	1.5	18
BBNC_D	5685	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37933.128	19439.833	1.3	18
BBNC_D	5686	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37927.359	19438.507	1.5	17
BBNC_D	5687	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37921.308	19430.692	1.1	17
BBNC_D	5688	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37912.481	19424.798	1.1	18
BBNC_D	5945	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37521.214	19659.653	1.4	12
BBNC_D	6001	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37709.368	19552.681	2.1	16
BBNC_D	6067	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37424.384	19693.089	1.1	18
BBNC_D	6160	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37803.916	19510.874	1.3	14
BBNC_D	6161	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37797.014	19511.172	1.2	14
BBNC_D	6162	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37796.076	19506.868	1	12
BBNC_D	6163	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37791.641	19508.902	1	12
BBNC_D	6164	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37792.588	19501.903	1	12
BBNC_D	6165	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37793.189	19501.081	1	14
BBNC_D	6166	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37799.94	19499.548	1.2	14
BBNC_D	6167	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37823.61	19494.844	1.2	14
BBNC_D	6168	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37825.562	19492.363	1	12
BBNC_D	6169	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37824.85	19489.398	1.1	10
BBNC_D	6170	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37820.807	19489.793	1	14
BBNC_D	6171	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37816.94	19488.627	1.6	16
BBNC_D	6172	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37813.181	19490.304	1	12
BBNC_D	6173	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37809.684	19490.085	1	12
BBNC_D	6174	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37813.046	19492.706	1.6	16
BBNC_D	6175	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37817.692	19485.502	1	10
BBNC_D	6176	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37819.549	19483.03	1.1	9
BBNC_D	6177	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37818.853	19481.919	1.6	16
BBNC_D	6178	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37814.589	19476.654	1.2	14
BBNC_D	6179	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37822.122	19468.892	1	12
BBNC_D	6180	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37790.651	19459.495	1.1	13
BBNC_D	6181	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37779.56	19444.554	1.2	14
BBNC_D	6182	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37719.947	19489.009	1.8	14
BBNC_D	6183	<i>Melicope lunu-ankenda</i>	Rutaceae	Native	Critically endangered	Tree	37721.236	19489.925	0.3	5
BBNC_D	6184	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37718.889	19502.161	1.3	14
BBNC_D	6185	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37712.174	19512.295	1.4	14
BBNC_D	6186	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37698.588	19518.092	1.9	18
BBNC_D	6187	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37685.897	19498.094	1.4	16
BBNC_D	6188	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37684.511	19484.859	1.2	14
BBNC_D	6189	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37681.384	19484.575	1.3	14
BBNC_D	6190	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37679.261	19514.254	3.4	25
BBNC_D	6191	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37678.793	19520.887	2.5	20
BBNC_D	6192	<i>Baccaurea motleyana</i>	Phyllanthaceae	Native	Critically endangered	Tree	37682.176	19524.141	1.3	12
BBNC_D	6193	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37683.484	19523.038	1.5	25
BBNC_D	6194	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37674.317	19531.857	1.1	12
BBNC_D	6195	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37662.339	19555.557	2.1	25
BBNC_D	6196	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37659.196	19560.011	2.3	25
BBNC_D	6197	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37657.808	19563.435	1.2	14
BBNC_D	6198	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37661.35	19568.253	1.1	12
BBNC_D	6199	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37671.479	19562.113	1	9
BBNC_D	6200	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37685.825	19552.917	1.1	12
BBNC_D	6314	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38367.281	19229.473	1.3	14
BBNC_D	6315	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	38360.044	19242.673	2.1	20

BBNC_D	6316	<i>Adinandra dumosa</i>	Pentaphylacaceae	Native	Common	Tree	38340.527	19235.776	1	14
BBNC_D	6317	<i>Adinandra dumosa</i>	Pentaphylacaceae	Native	Common	Tree	38337.973	19230.147	1.2	12
BBNC_D	6318	<i>Adinandra dumosa</i>	Pentaphylacaceae	Native	Common	Tree	38337.567	19209.32	1	10
BBNC_D	6319	<i>Adinandra dumosa</i>	Pentaphylacaceae	Native	Common	Tree	38337.897	19215.19	1	12
BBNC_D	6320	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	38321.484	19218.261	1.1	12
BBNC_D	6321	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	38320.149	19212.223	0.6	6
BBNC_D	6322	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	38320.317	19210.194	1.1	16
BBNC_D	6323	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	38318.845	19204.503	1.1	8
BBNC_D	6324	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38309.679	19193.47	2.6	14
BBNC_D	6325	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	38314.21	19177.683	1.1	14
BBNC_D	6326	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	38322.864	19178.855	1.3	10
BBNC_D	6327	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	38330.821	19182.299	1.2	12
BBNC_D	6328	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	38327.136	19165.867	1.3	12
BBNC_D	6329	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	38328.179	19165.864	1.3	12
BBNC_D	6330	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38288.479	19186.964	2.8	12
BBNC_D	6331	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	38272.041	19186.322	1.3	14
BBNC_D	6332	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	38272.268	19195.695	1	10
BBNC_D	6333	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38286.82	19203.135	1	10
BBNC_D	6334	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	38293.394	19203.232	1	12
BBNC_D	6335	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	38299.061	19204.782	1	10
BBNC_D	6336	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	38300.414	19206.387	1.9	16
BBNC_D	6337	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	38294.881	19211.662	1	8
BBNC_D	6338	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	38271.051	19206.133	1.2	10
BBNC_D	6339	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	38264.777	19203.468	1	10
BBNC_D	6340	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	38278.184	19257.673	1.8	12
BBNC_E	6401	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37966.09	18171.211	1.4	15
BBNC_D	6533	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38007.635	19123.674	1.8	16
BBNC_D	6535	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38027.988	19126.226	1.2	8
BBNC_D	6536	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38040.204	19134.572	2.4	20
BBNC_D	6537	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38029.21	19151.252	2	15
BBNC_D	6538	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38018.214	19151.032	1.2	12
BBNC_D	6539	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38018.661	19152.766	1.1	9
BBNC_D	6540	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38058.972	19151.282	1.7	12
BBNC_D	6541	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38072.906	19144.95	2.5	18
BBNC_D	6542	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38075.61	19145.703	1.1	18
BBNC_D	6543	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38078.24	19144.699	1.1	13
BBNC_D	6544	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	38078.274	19138.23	1.5	15
BBNC_D	6545	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38098.59	19119.717	3.4	20
BBNC_D	6546	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38090.387	19119.933	3.8	20
BBNC_D	6548	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38072.195	19127.702	1.7	19
BBNC_D	6549	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38067.293	19124.773	2.3	19
BBNC_D	6550	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38063.306	19122.112	1.5	19
BBNC_D	6551	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38052.247	19123.033	2.8	22
BBNC_D	6552	<i>Acacia mangium</i>	Fabaceae	Exotic	Naturalised	Tree	38048.619	19129.289	1.3	8
BBNC_D	6553	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38048.021	19125.693	2.8	20
BBNC_D	6554	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38053.589	19135.641	1.6	19
BBNC_D	6555	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38052.682	19137.213	2.6	24
BBNC_D	6556	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38058.127	19134.226	1.2	10
BBNC_D	6557	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38057.83	19137.508	2.1	19
BBNC_D	6558	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37992.56	19119.539	1	10
BBNC_D	6559	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37980.706	19131.553	2.6	15
BBNC_D	6560	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37978.207	19129.686	1.5	12

BBNC_D	6561	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37984.206	19135.26	1.3	13
BBNC_D	6562	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37982.29	19142.795	2.2	12
BBNC_D	6563	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37977.753	19141.385	1.3	9
BBNC_D	6564	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37972.492	19142.782	1.5	8
BBNC_D	6565	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37964.038	19144.845	1	13
BBNC_D	6566	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37956.534	19145.521	1.2	12
BBNC_D	6567	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37948.532	19150.574	1.8	14
BBNC_D	6568	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37954.297	19160.678	1.4	13
BBNC_D	6569	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37957.773	19171.695	2.8	14
BBNC_D	6570	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37954.759	19166.43	2.1	12
BBNC_D	6571	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37950.066	19172.158	2	16
BBNC_D	6572	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37952.572	19175.369	1.6	16
BBNC_D	6573	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37952.079	19181.054	1	12
BBNC_D	6574	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37961.949	19187.709	1.8	12
BBNC_D	6576	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37984.3	19128.417	1	11
BBNC_D	6577	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38045.577	19166.423	2	15
BBNC_D	6578	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38046.071	19173.686	3	17
BBNC_D	6579	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38053.081	19166.676	1.1	16
BBNC_D	6580	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38058.938	19158.063	1.5	12
BBNC_D	6581	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38080.493	19158.356	2.4	20
BBNC_D	6582	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38090.73	19156.016	2.6	20
BBNC_D	6583	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38090.2	19163.191	2	20
BBNC_D	6584	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38089.265	19165.458	2	20
BBNC_D	6585	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38060.081	19175.305	1.3	10
BBNC_D	6586	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38045.185	19177.523	1	12
BBNC_D	6587	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38040.366	19185.966	1	10
BBNC_D	6588	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38038.875	19159.093	2.7	18
BBNC_E	6675	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37878.3	18174.083	1	12
BBNC_E	6676	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37903.294	18211.072	1.1	14
BBNC_E	6677	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37901.95	18220.968	1.7	18
BBNC_E	6678	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37904.999	18219.092	1	15
BBNC_E	6679	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	37908.266	18218.125	2.3	20
BBNC_E	6680	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37897.213	18216.39	1.1	15
BBNC_E	6681	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37894.958	18217.828	1.2	16
BBNC_E	6682	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37885.882	18213.337	1.6	15
BBNC_E	6683	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37884.416	18207.789	1.1	15
BBNC_E	6684	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37878.666	18210.073	1.6	15
BBNC_E	6685	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37877.558	18212.762	1.7	20
BBNC_E	6686	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37876.561	18204.44	1.6	15
BBNC_E	6687	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37944.237	18174.422	1.2	15
BBNC_E	6688	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37945.586	18175.701	1.1	15
BBNC_E	6689	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37939.296	18182.173	1	15
BBNC_E	6690	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37922.161	18189.282	1.2	18
BBNC_E	6691	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37919.045	18205.999	1.1	15
BBNC_E	6692	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37923.911	18211.094	1.1	15
BBNC_E	6693	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37929.782	18203.406	1.4	15
BBNC_E	6694	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37934.276	18194.913	1.4	15
BBNC_E	6695	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	37945.225	18199.445	1.1	15
BBNC_E	6696	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37953.28	18203.067	1	15
BBNC_E	6697	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37959.083	18204.372	1.1	15
BBNC_E	6698	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37962.095	18188.967	1.2	15
BBNC_E	6699	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37963.223	18181.907	1	15

BBNC_E	6700	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37966.806	18176.446	1	16
BBNC_E	6828	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37963.186	18242.787	1.2	16
BBNC_E	6829	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37958.593	18243.645	1.1	12
BBNC_E	6830	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37957.906	18243.909	1	14
BBNC_E	6831	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37973.382	18262.912	1.1	12
BBNC_E	6832	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37971.684	18271.92	1	10
BBNC_E	6833	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37967.92	18273.622	1.1	10
BBNC_E	6834	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37945.096	18270.936	1.4	16
BBNC_E	6835	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37945.984	18268.217	1.3	18
BBNC_E	6836	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37949.015	18258.662	0.4	7
BBNC_E	6838	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37938.709	18261.415	1.2	14
BBNC_E	6840	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37927.456	18263.365	1.3	12
BBNC_E	6841	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37931.528	18269.955	1	12
BBNC_E	6842	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37928.316	18267.571	1	18
BBNC_E	6843	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37919.621	18264.408	1.3	16
BBNC_E	6845	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37931.873	18259.099	1.3	16
BBNC_E	6847	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37935.341	18258.703	1.4	18
BBNC_E	6848	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37937.295	18254.323	1.1	16
BBNC_E	6849	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37922.111	18271.024	1	16
BBNC_E	6851	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37903.917	18287.262	1	14
BBNC_E	6852	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37902.032	18292.334	1	16
BBNC_E	6853	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37901.304	18296.02	1.1	18
BBNC_E	6854	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37905.817	18293.642	1	18
BBNC_E	6855	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37901.668	18302.372	1.4	16
BBNC_E	6858	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37893.955	18310.185	1.3	18
BBNC_E	6859	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37896.302	18317.8	2.3	16
BBNC_E	6860	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37896.578	18315.983	1.3	16
BBNC_E	6862	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37897.054	18324.731	1.1	12
BBNC_E	6863	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37901.415	18323.3	1.4	14
BBNC_E	6865	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37906.875	18314.378	1.1	16
BBNC_E	6867	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37907.801	18294.434	1	16
BBNC_E	6869	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37908.503	18313.95	1	16
BBNC_E	6870	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37910.343	18321.839	1.5	16
BBNC_E	6871	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37909.63	18323.302	1	14
BBNC_E	6872	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37903.875	18324.337	1.1	14
BBNC_E	6873	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37901.734	18331.357	1.5	16
BBNC_E	6879	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37914.044	18334.492	1.7	16
BBNC_E	6881	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37920.415	18303.344	1	12
BBNC_E	6885	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37921.434	18319.647	1.7	16
BBNC_E	6886	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37918.228	18333.156	1.8	16
BBNC_E	6887	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37926.307	18327.033	2.8	18
BBNC_E	6888	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37928.707	18313.196	1.4	18
BBNC_E	6889	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37929.72	18314.241	1.3	18
BBNC_E	6890	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37931.146	18312.275	1.4	16
BBNC_E	6891	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37930.697	18295.196	1.4	18
BBNC_E	6892	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37939.202	18296.999	1.4	18
BBNC_E	6894	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37938.058	18294.682	1.3	16
BBNC_E	6895	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37942.602	18299.155	1.6	16
BBNC_E	6896	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37944.775	18292.362	1.4	18
BBNC_E	6897	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37938.673	18284.621	1.3	12
BBNC_E	6915	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37982.632	18306.645	1.1	12
BBNC_E	6916	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37971.586	18313.375	1.6	16



BBNC_E	6917	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37968.881	18319.88	1.2	12
BBNC_E	6918	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37951.079	18341.996	1.1	9
BBNC_E	6919	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37925.442	18362.046	2	9
BBNC_E	6920	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37927.176	18361.968	1.2	12
BBNC_E	6921	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38002.854	18279.862	2	12
BBNC_E	6922	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	38016.343	18266.017	1.3	8
BBNC_E	6923	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38036.938	18247.353	1.8	12
BBNC_E	6924	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38037.408	18245.968	1	12
BBNC_E	6925	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38009.531	18263.909	1.2	12
BBNC_E	6926	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38012.821	18255.6	1.7	16
BBNC_E	6927	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38010.402	18253.118	1.5	16
BBNC_E	6928	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38008.407	18253.715	1.2	16
BBNC_E	6929	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38007.123	18252.113	1.4	16
BBNC_E	6930	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	38007.768	18239.722	1.1	18
BBNC_E	6931	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38014.753	18244.871	1.1	16
BBNC_E	6932	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38018.911	18243.117	2.2	16
BBNC_E	6933	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38028.608	18239.268	1.4	16
BBNC_E	6934	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38040.481	18230.98	1.1	16
BBNC_E	6935	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38035.078	18220.389	1.2	18
BBNC_E	6936	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	38031.682	18219.012	1.1	12
BBNC_E	6937	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	38029.464	18220.176	1.1	12
BBNC_E	6938	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38027.746	18215.271	1.4	16
BBNC_E	6939	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37983.685	18256.179	2.2	20
BBNC_E	6940	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37989.936	18256.77	2	18
BBNC_E	6941	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37984.271	18274.332	1.4	14
BBNC_E	6942	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37982.762	18276.261	1.2	13
BBNC_E	6943	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37979.578	18278.467	1.4	14
BBNC_E	6944	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37976.409	18277.787	1.2	14
BBNC_E	6945	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37966.161	18280.655	1	13
BBNC_E	6946	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37959.654	18290.062	1	15
BBNC_E	6947	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37959.808	18290.778	1	15
BBNC_E	6948	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37959.714	18294.907	1.2	16
BBNC_E	6949	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37963.034	18293.67	1	14
BBNC_E	6950	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37964.344	18295.687	1	14
BBNC_E	6951	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37966.297	18305.394	1.3	13
BBNC_E	6952	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37969.545	18308.552	1.3	14
BBNC_E	6953	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37969.157	18311.079	1.2	13
BBNC_E	6954	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37958.588	18303.256	1.2	12
BBNC_E	6955	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37957.961	18309.907	1.6	12
BBNC_E	6956	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37941.685	18308.634	1	15
BBNC_E	6957	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37943.329	18319.473	1	14
BBNC_E	6958	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37941.094	18324.569	1.1	13
BBNC_E	6959	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37936.959	18320.897	1	13
BBNC_E	6960	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37895.026	18339.886	2.5	8
BBNC_E	6961	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37889.594	18342.941	1	12
BBNC_E	6962	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37879.358	18340.287	1.2	13
BBNC_E	6963	<i>Astonia angustiloba</i>	Apocynaceae	Native	Common	Tree	37878.934	18326.258	1.2	12
BBNC_E	6964	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37975.496	18291.897	1.4	10
BBNC_E	6965	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37979.417	18289.996	1	14
BBNC_E	6966	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37987.758	18287.62	1	10
BBNC_E	6967	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37992.901	18273.291	1.2	15
BBNC_E	6968	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37995.91	18270.414	1.7	12

BBNC_E	6989	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37779.122	18388.475	2.6	16
BBNC_E	6994	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37799.102	18395.633	1.6	10
BBNC_D	7001	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37365.875	19384.326	1.3	18
BBNC_D	7002	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37361.762	19384.918	1.2	18
BBNC_D	7003	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37355.184	19382.401	1.2	18
BBNC_D	7004	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37295.579	19413.681	1.5	18
BBNC_D	7005	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37322.388	19420.175	1	15
BBNC_D	7006	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37319.415	19422.272	1	15
BBNC_D	7007	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37314.397	19425.039	1	15
BBNC_D	7008	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37320.293	19437.524	1.5	12
BBNC_D	7009	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37304.945	19437.489	1.2	15
BBNC_D	7010	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37288.36	19443.537	1	15
BBNC_D	7011	<i>Artocarpus heterophyllus</i>	Moraceae	Native	Common	Tree	37293.88	19450.585	1	10
BBNC_D	7012	<i>Dimocarpus longan</i>	Sapindaceae	Exotic	Casual	Tree	37295.284	19452.106	1.2	15
BBNC_D	7013	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37307.008	19453.012	1	18
BBNC_D	7014	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37296.363	19459.162	1.8	22
BBNC_D	7015	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37299.248	19463.542	2.2	25
BBNC_D	7016	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37301.366	19470.323	1.7	18
BBNC_D	7017	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37306.256	19484.325	1.5	18
BBNC_D	7018	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37295.787	19484.13	1.2	15
BBNC_D	7019	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37308.73	19490.327	1	15
BBNC_D	7020	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37311.889	19496.744	1.2	18
BBNC_D	7021	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37314.421	19499.038	1	10
BBNC_D	7022	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37313.454	19499.952	1.2	18
BBNC_D	7023	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37321.146	19498.062	1	15
BBNC_D	7024	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37323.771	19507.361	1.3	20
BBNC_D	7025	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37339.014	19526.836	1.1	15
BBNC_D	7026	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37343.584	19537.826	1.1	15
BBNC_D	7027	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37358.021	19519.349	1	118
BBNC_D	7028	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37367.553	19505.421	1	20
BBNC_D	7029	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37379.684	19507.35	2	18
BBNC_D	7030	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37367.71	19526.046	1.3	15
BBNC_D	7031	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37372.557	19530.344	1	15
BBNC_D	7032	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37374.159	19525.114	1	12
BBNC_D	7033	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37383.226	19512.791	1.2	15
BBNC_D	7034	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37389.455	19512.802	1.3	15
BBNC_D	7035	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37400.921	19501.91	1.3	18
BBNC_D	7036	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37399.226	19500.731	1.2	18
BBNC_D	7037	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37384.407	19497.593	1	15
BBNC_D	7038	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37389.261	19489.877	1.2	18
BBNC_D	7039	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37388.788	19484.056	1.2	16
BBNC_D	7040	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37377.522	19476.101	1.7	20
BBNC_D	7041	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37378.954	19476.54	1.7	20
BBNC_D	7042	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37375.662	19476.338	1.2	18
BBNC_D	7043	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37374.199	19461.718	3.5	25
BBNC_D	7044	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37377.334	19455.98	2.3	20
BBNC_D	7045	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37358.524	19432.727	1	18
BBNC_D	7046	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37340.527	19447.43	1.5	18
BBNC_D	7047	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37333.62	19454.319	1.2	16
BBNC_D	7048	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37328.848	19454.555	1.2	16
BBNC_D	7049	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37333.431	19465.359	1.7	18
BBNC_D	7050	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37336.259	19468.394	1	18

BBNC_D	7051	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37334.673	19477.547	1.2	18
BBNC_D	7052	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37334.618	19485.132	1.2	18
BBNC_D	7053	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37336.979	19487.118	1.4	18
BBNC_D	7054	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37334.446	19491.913	1.2	18
BBNC_D	7055	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37332.202	19489.556	1.4	18
BBNC_D	7056	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37337.017	19497.556	1.3	18
BBNC_D	7057	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37331.289	19497.375	1.3	18
BBNC_D	7058	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37329.685	19512.462	1.2	15
BBNC_D	7059	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37345.616	19483.295	1.2	15
BBNC_D	7060	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37349.486	19486.098	1.2	15
BBNC_D	7061	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37350.655	19487.77	1.2	15
BBNC_D	7062	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37365.945	19484.492	1.4	18
BBNC_D	7063	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37369.578	19483.488	1.4	18
BBNC_D	7064	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37367.191	19479.775	1.2	15
BBNC_D	7065	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37364.062	19474.92	1.4	18
BBNC_D	7066	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37390.649	19439.7	1.2	18
BBNC_D	7067	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37393.762	19441.033	1.4	18
BBNC_D	7068	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37374.49	19440.776	1.4	18
BBNC_D	7069	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37375.575	19430.85	1.4	18
BBNC_D	7070	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37373.894	19433.612	1.1	18
BBNC_D	7071	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37382.628	19433.585	1.4	18
BBNC_D	7072	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37395.257	19411.53	1.5	18
BBNC_D	7073	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37399.869	19417.866	1	18
BBNC_D	7074	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37400.503	19417.293	1.6	18
BBNC_D	7075	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37403.341	19397.564	1.3	16
BBNC_D	7076	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37402.826	19392.687	1.3	16
BBNC_D	7077	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37399.834	19390.234	4	22
BBNC_D	7078	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37392.539	19381.302	1.3	18
BBNC_D	7079	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37390.791	19383.173	1.3	18
BBNC_D	7080	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37384.495	19382.427	1.6	15
BBNC_D	7081	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37383.971	19386.562	1	15
BBNC_D	7082	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37417.296	19356.345	1.2	15
BBNC_D	7083	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37427.813	19362.44	1.2	15
BBNC_D	7084	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37434.505	19367.486	1	6
BBNC_D	7085	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37436.843	19371.507	1	12
BBNC_D	7086	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37437.249	19373.882	1.2	12
BBNC_D	7087	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37437.479	19379.071	1.5	16
BBNC_D	7088	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37441.201	19375.273	1.5	15
BBNC_D	7089	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37440.245	19366.379	1	12
BBNC_D	7090	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37458.466	19380.318	1	12
BBNC_D	7091	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37464.171	19384.047	1	10
BBNC_D	7092	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37465.728	19383.75	1	10
BBNC_D	7093	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37476.792	19373.522	1	12
BBNC_D	7094	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37482.108	19372.534	1	10
BBNC_D	7095	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37492.573	19386.68	1.4	15
BBNC_D	7096	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37499.278	19375.606	1	12
BBNC_D	7097	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37502.856	19375.49	1	12
BBNC_D	7098	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37506.146	19367.693	1	12
BBNC_D	7099	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37515.624	19365.792	1.2	12
BBNC_D	7100	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37519.85	19369.653	1.1	12
BBNC_D	7101	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37523.124	19364.164	1.2	15
BBNC_D	7102	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	37537.624	19359.592	2.2	20

BBNC_D	7103	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37534.578	19357.429	1.1	18
BBNC_D	7104	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37568.252	19352.276	1.2	18
BBNC_D	7105	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37568.069	19343.86	1.2	18
BBNC_D	7106	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37568.318	19334.026	1.2	18
BBNC_D	7107	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37567.16	19330.188	1	15
BBNC_D	7108	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37559.257	19330.799	1.2	12
BBNC_D	7109	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37569.174	19318.333	1.2	12
BBNC_D	7110	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37562.886	19304.923	1.2	10
BBNC_D	7111	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	37558.609	19297.169	1.2	12
BBNC_D	7112	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37447.105	19384.964	1.3	15
BBNC_D	7113	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37443.066	19395.232	1.5	18
BBNC_D	7114	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37447.551	19399.514	1.2	18
BBNC_D	7115	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37452.125	19401.57	1.2	18
BBNC_D	7116	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37434.307	19390.014	1.2	18
BBNC_D	7117	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37429.388	19392.964	1	18
BBNC_D	7118	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37431.926	19396.64	1	16
BBNC_D	7119	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37429.146	19402.158	1.5	18
BBNC_D	7120	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37420.221	19400.7	1.7	18
BBNC_D	7121	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37420.877	19389.972	1.1	16
BBNC_D	7122	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37407.902	19383.502	2	18
BBNC_D	7123	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37414.283	19412.995	1	18
BBNC_D	7124	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37427.255	19407.842	1.6	16
BBNC_D	7125	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37440.712	19411.024	1.2	16
BBNC_D	7126	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37441.592	19406.214	1	16
BBNC_D	7127	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37444.605	19410.637	1.8	10
BBNC_D	7128	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37437.23	19411.111	1	10
BBNC_D	7129	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37439.305	19416.465	1.2	18
BBNC_D	7131	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37441.401	19432.666	1.4	18
BBNC_D	7132	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37441.574	19440.052	1.2	18
BBNC_D	7133	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37438.311	19439.809	1.2	15
BBNC_D	7134	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37448.179	19451.72	1.1	15
BBNC_D	7135	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37444.829	19446.242	1.2	16
BBNC_D	7136	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37438.981	19447.798	1.1	16
BBNC_D	7137	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37433.364	19449.582	1.2	16
BBNC_D	7138	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37423.988	19465.706	2.2	20
BBNC_D	7139	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37419.156	19474.039	1.2	18
BBNC_D	7140	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37408.403	19474.397	1.6	18
BBNC_D	7141	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37406.587	19470.715	1.6	16
BBNC_D	7142	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37401.761	19470.904	1.5	18
BBNC_D	7143	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37394.604	19480.646	1.2	18
BBNC_D	7145	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37356.976	19539.14	1.1	18
BBNC_D	7146	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37357.262	19540.176	1.1	18
BBNC_D	7147	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37355.203	19545.385	1.3	16
BBNC_D	7148	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37363.219	19545.557	1.8	16
BBNC_D	7149	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37364.882	19558.479	1.8	15
BBNC_D	7150	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37372.281	19548.101	2.2	10
BBNC_D	7151	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37377.495	19555.162	2.3	18
BBNC_D	7152	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37379.425	19552.456	2.5	18
BBNC_D	7153	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37379.097	19555.38	3	18
BBNC_D	7154	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37378.774	19552.779	2	16
BBNC_D	7155	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37382.385	19565.001	3.8	18
BBNC_D	7156	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37362.091	19584.976	2.6	18

BBNC_D	7157	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37370.395	19584.453	2.2	16
BBNC_D	7158	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37362.546	19616.828	3	20
BBNC_D	7159	<i>Bhesa cf. paniculata</i>	Centroplacaceae	Native	Common	Tree	37358.908	19625.388	1.8	15
BBNC_D	7160	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37365.841	19619.821	1.1	12
BBNC_D	7161	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37368.102	19618.26	1.8	18
BBNC_D	7162	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37372.701	19618.948	2.3	20
BBNC_D	7163	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37367.803	19625.071	2.3	16
BBNC_D	7164	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37374.08	19628.862	2.5	18
BBNC_D	7165	<i>Peltophorum pterocarpum</i>	Fabaceae	Native	Critically endangered	Tree	37387.279	19611.583	3	20
BBNC_D	7166	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37397.593	19589.482	3	20
BBNC_D	7167	<i>Camptosperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37409.411	19595.813	2.5	20
BBNC_D	7168	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37413.022	19585.055	2.5	18
BBNC_D	7169	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37416.61	19584.442	2.5	18
BBNC_D	7170	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37411.805	19572.966	3	22
BBNC_D	7171	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37402.975	19567.55	2.5	18
BBNC_D	7172	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37409.077	19571.394	2.2	18
BBNC_D	7173	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37404.296	19567.925	3	18
BBNC_D	7174	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37413.016	19560.03	2.7	18
BBNC_D	7175	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37401.511	19563.695	1	16
BBNC_D	7176	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37400.153	19563.825	1	18
BBNC_D	7177	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37400.782	19568.266	2	18
BBNC_D	7178	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37402.217	19574.281	2.2	18
BBNC_D	7179	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37421.644	19596.127	1.2	16
BBNC_D	7180	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37429.22	19585.337	1.3	18
BBNC_D	7181	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37432.37	19569.588	1	16
BBNC_D	7182	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37386.049	19558.14	2	16
BBNC_D	7183	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37769.088	19443.3	1.5	18
BBNC_D	7184	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37768.051	19444.27	1.2	18
BBNC_D	7185	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37773.54	19444.63	1	16
BBNC_D	7186	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37775.109	19442.983	1.2	15
BBNC_D	7188	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37783.303	19440.714	1	12
BBNC_D	7189	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37744.981	19446.281	1.1	12
BBNC_D	7190	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37743.29	19441.498	1	12
BBNC_D	7191	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37739.798	19443.778	1.2	12
BBNC_D	7192	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37732.837	19441.634	1.4	12
BBNC_D	7193	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37706.089	19436.26	1.2	15
BBNC_D	7194	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37705.378	19434.41	1.2	15
BBNC_D	7195	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37704.341	19427.831	1.2	12
BBNC_D	7196	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37702.862	19426.552	1	10
BBNC_D	7197	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37697.955	19426.263	1.4	12
BBNC_D	7198	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37681.97	19428.159	1	12
BBNC_D	7199	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37682.544	19430.181	1	12
BBNC_D	7200	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37692.023	19447.045	2	15
BBNC_D	7201	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37760.888	19447.064	1	15
BBNC_D	7202	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37757.271	19448.477	1.3	16
BBNC_D	7203	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37756.954	19446.839	1	15
BBNC_D	7204	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37752.444	19446.328	1	15
BBNC_D	7205	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37745.318	19451.407	1.1	15
BBNC_D	7206	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37726.844	19434.726	1.2	12
BBNC_D	7207	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37717.272	19439.917	1.5	16
BBNC_D	7208	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37711.182	19435.489	1.5	15
BBNC_D	7209	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37706.595	19439.449	1	15

BBNC_D	7210	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37690.07	19428.157	1.1	15
BBNC_D	7211	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37687.314	19418.785	1.3	15
BBNC_D	7212	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37679.23	19422.685	1.1	12
BBNC_D	7213	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37678.429	19413.582	1.3	8
BBNC_D	7214	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37679.779	19412.96	1	8
BBNC_D	7215	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37672.953	19405.453	1.1	10
BBNC_D	7217	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37648.575	19404.261	1.8	10
BBNC_D	7218	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37619.303	19398.433	1.2	8
BBNC_D	7219	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37615.182	19397.379	1.3	8
BBNC_D	7220	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37607.456	19403.762	1.3	15
BBNC_D	7221	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37602.282	19394.757	1	15
BBNC_D	7222	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37595.891	19399.171	1	14
BBNC_D	7223	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37596.624	19405.243	1.5	15
BBNC_D	7224	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37598.614	19407.177	1.3	16
BBNC_D	7225	<i>Durio cf. zibethinus</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37587.69	19411.687	3	20
BBNC_D	7226	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37641.349	19429.804	1.5	18
BBNC_D	7227	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37641.597	19435.532	1.5	15
BBNC_D	7228	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37637.855	19440.621	1.5	15
BBNC_D	7229	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37636.331	19445.87	1.8	18
BBNC_D	7230	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37640.638	19450.12	1.6	15
BBNC_D	7231	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37631.778	19447.975	2	18
BBNC_D	7232	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37631.285	19461.721	1.5	18
BBNC_D	7233	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37623.055	19464.977	1.5	18
BBNC_D	7234	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37620.086	19450.875	2.6	20
BBNC_D	7235	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37615.386	19448.793	1.5	18
BBNC_D	7236	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37611.146	19453.067	1.2	15
BBNC_D	7237	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37608.182	19449.743	3.2	18
BBNC_D	7238	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37607.912	19448.335	1.2	12
BBNC_D	7239	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37604.682	19450.538	1.2	20
BBNC_D	7240	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37574.319	19454.944	1.7	18
BBNC_D	7241	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37565.84	19459.417	1.6	25
BBNC_D	7242	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37564.947	19459.196	1.4	16
BBNC_D	7243	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37562.819	19468.938	3	22
BBNC_D	7244	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37556.007	19457.738	1.8	20
BBNC_D	7245	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37554.068	19453.218	1	18
BBNC_D	7246	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37555.527	19446.148	1.2	16
BBNC_D	7247	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37558.851	19450.177	1.2	16
BBNC_D	7249	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37496.046	19485.446	1	16
BBNC_D	7250	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	37761.463	19444.536	0.6	6
BBNC_D	7251	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37708.387	19454.505	1	12
BBNC_D	7252	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37704.521	19467.778	1.5	18
BBNC_D	7253	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37718.537	19473.975	1.2	15
BBNC_D	7254	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37719.999	19475.45	1.2	15
BBNC_D	7255	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37718.811	19478.523	1.2	18
BBNC_D	7256	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37719.152	19481.239	1.2	18
BBNC_D	7257	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37706.055	19483.213	1.2	18
BBNC_D	7258	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37694.948	19468.08	1.4	16
BBNC_D	7259	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37675.085	19475.713	1	12
BBNC_D	7260	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37666.123	19466.59	1	12
BBNC_D	7261	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37697.273	19459.257	1.8	16
BBNC_D	7262	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37696.232	19462.963	1.6	16
BBNC_D	7263	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37684.177	19461.817	1.2	16

BBNC_D	7264	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37682.855	19462.543	2	16
BBNC_D	7265	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37676.17	19462.061	1.6	16
BBNC_D	7266	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37654.515	19405.273	2	10
BBNC_D	7267	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37653.105	19408.906	1	8
BBNC_D	7268	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37633.635	19405.519	1.2	15
BBNC_D	7269	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37616.78	19410.191	1.5	16
BBNC_D	7270	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37622.455	19405.786	1	10
BBNC_D	7271	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37621.528	19412.913	1	12
BBNC_D	7272	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37627.444	19414.029	1.6	15
BBNC_D	7273	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37631.142	19413.437	1	15
BBNC_D	7274	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37626.137	19422.533	1	12
BBNC_D	7275	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37630.907	19420.493	1.3	15
BBNC_D	7276	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37632.994	19421.654	1	15
BBNC_D	7277	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37637.795	19418.434	1.2	18
BBNC_D	7278	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37638.365	19415.817	2	18
BBNC_D	7279	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37592.614	19442.08	2.8	16
BBNC_D	7280	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37596.516	19451.14	1.8	20
BBNC_D	7281	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37592.609	19452.002	2	20
BBNC_D	7282	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37592.756	19457.581	2.5	16
BBNC_D	7283	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	37598.971	19455.872	1.5	16
BBNC_D	7284	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37585.238	19441.565	1.5	14
BBNC_D	7285	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37579.809	19432.78	3	20
BBNC_D	7286	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37581.446	19457.899	1.5	18
BBNC_D	7287	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37557.879	19456.558	1.2	16
BBNC_D	7288	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37660.675	19465.85	1.3	12
BBNC_D	7289	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37659.557	19443.937	1.2	15
BBNC_D	7290	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37672.339	19435.543	2.2	6
BBNC_D	7291	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37656.9	19434.573	1.5	15
BBNC_D	7292	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37649.854	19436.828	1.6	18
BBNC_D	7293	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37573.115	19431.173	1.2	15
BBNC_D	7294	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37572.632	19429.643	1.2	18
BBNC_D	7295	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37564.253	19428.643	1.2	15
BBNC_D	7296	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37557.736	19421.072	1.5	12
BBNC_D	7297	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37545.094	19422.973	1	12
BBNC_D	7298	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37543.752	19426.116	1.5	15
BBNC_D	7299	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37537.258	19417.267	1.3	12
BBNC_D	7300	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37537.328	19409.051	1.5	14
BBNC_D	7301	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37540.909	19403.758	1.8	18
BBNC_D	7302	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37528.734	19392.408	1.2	18
BBNC_D	7303	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37532.27	19389.109	1	15
BBNC_D	7304	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37538.052	19385.032	1.3	15
BBNC_D	7305	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37537.588	19382.577	1.3	18
BBNC_D	7306	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37543.701	19373.388	1.8	18
BBNC_D	7307	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37545.366	19372.583	2	18
BBNC_D	7308	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37554.42	19374.82	1	15
BBNC_D	7309	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37560.156	19374.789	1.2	15
BBNC_D	7310	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37561.377	19379.223	1	15
BBNC_D	7311	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37568.321	19378.913	2	15
BBNC_D	7312	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37572.666	19360.776	1.8	18
BBNC_D	7313	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37561.261	19356.46	1.3	15
BBNC_D	7315	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37565.485	19360.438	1.3	15
BBNC_D	7316	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37572.758	19347.865	1.4	15

BBNC_D	7318	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37581.975	19337.998	1.2	15
BBNC_D	7319	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37540.383	19458.68	1.6	15
BBNC_D	7320	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37542.084	19453.478	3	20
BBNC_D	7321	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37542.211	19448.761	1.2	18
BBNC_D	7322	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37536.14	19445.345	1	15
BBNC_D	7323	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37516.469	19442.216	1	15
BBNC_D	7324	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37517.362	19443.557	1	15
BBNC_D	7325	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37517.284	19443.843	1	15
BBNC_D	7326	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37512.34	19429.749	1.2	15
BBNC_D	7327	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37512.1	19430.752	1.2	15
BBNC_D	7328	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37521.017	19421.19	1.2	15
BBNC_D	7329	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37513.793	19407.51	1.5	18
BBNC_D	7330	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37502.133	19416.13	1.3	15
BBNC_D	7331	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37500.931	19418.071	1.2	18
BBNC_D	7332	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37498.67	19416.776	1	18
BBNC_D	7333	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37493.685	19407.707	1.5	18
BBNC_D	7334	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37491.772	19410.768	1.3	18
BBNC_D	7335	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37488.982	19415.415	1	16
BBNC_D	7336	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37487.308	19406.816	1	16
BBNC_D	7337	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37485.894	19422.739	1	16
BBNC_D	7338	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37492.702	19423.755	1	16
BBNC_D	7339	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37492.704	19435.158	1.3	16
BBNC_D	7340	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37466.34	19405.195	1	18
BBNC_D	7341	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37463.372	19417.901	1.3	15
BBNC_D	7342	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37460.166	19419.296	1.5	16
BBNC_D	7343	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37460.649	19426.256	1.3	16
BBNC_D	7344	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37463.416	19432.867	1.6	16
BBNC_D	7345	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37465.005	19434.574	1.2	16
BBNC_D	7346	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37459.836	19437.749	1.2	15
BBNC_D	7347	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37463.951	19440.635	1.5	18
BBNC_D	7348	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37453.473	19445.226	1.2	16
BBNC_D	7349	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37449.484	19442.186	1.3	18
BBNC_D	7350	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37452.493	19454.893	1.5	18
BBNC_D	7351	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37453.483	19456.732	1.5	18
BBNC_D	7352	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37442.714	19451.601	1.2	16
BBNC_D	7353	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37441.354	19479.302	1	15
BBNC_D	7354	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37445.341	19492.289	1.5	15
BBNC_D	7355	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37448.16	19491.037	1.2	12
BBNC_D	7356	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37449.332	19496.247	1.3	16
BBNC_D	7357	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37452.173	19497.309	1.3	16
BBNC_D	7358	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37464.153	19526.146	1.3	16
BBNC_D	7359	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37464.696	19526.816	1.3	16
BBNC_D	7360	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37455.33	19521.956	1.7	18
BBNC_D	7361	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37445.774	19517.653	1.4	16
BBNC_D	7362	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37446.844	19516.089	1.2	16
BBNC_D	7363	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37438.175	19516.757	2	18
BBNC_D	7364	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37448.905	19533.23	1.3	16
BBNC_D	7365	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37441.836	19530.471	1.2	16
BBNC_D	7366	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37438.236	19534.502	1.2	16
BBNC_D	7367	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37438.037	19537.242	1.2	16
BBNC_D	7368	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37438.34	19535.988	1.3	15
BBNC_D	7369	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37436.754	19542.64	1	16



BBNC_D	7370	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37427.339	19536.159	1	16
BBNC_D	7371	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37427.489	19536.471	1	16
BBNC_D	7372	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37422.286	19529.364	1.2	18
BBNC_D	7373	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37419.323	19522.33	1	18
BBNC_D	7374	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37407.888	19525.639	2.2	18
BBNC_D	7375	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37400.138	19520.253	1.2	16
BBNC_D	7376	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37421.534	19500.729	1.2	18
BBNC_D	7377	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37429.041	19490.557	1.3	18
BBNC_D	7378	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37425.425	19491.769	1.3	18
BBNC_D	7379	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37435.506	19491.997	1.3	16
BBNC_D	7380	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37444.762	19501.438	1.2	16
BBNC_D	7381	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37472.501	19509.39	1.5	16
BBNC_D	7382	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37481.338	19512.691	1.3	16
BBNC_D	7383	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37481.994	19513.653	1.3	16
BBNC_D	7384	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37474.844	19496.977	1	16
BBNC_D	7385	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37473.607	19493.944	1	12
BBNC_D	7386	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37465.136	19489.53	1.2	16
BBNC_D	7387	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37456.925	19485.489	1.5	16
BBNC_D	7388	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37465.768	19484.095	1.5	16
BBNC_D	7389	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37491.477	19491.529	1.5	16
BBNC_D	7390	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37481.442	19488.572	1.3	16
BBNC_D	7391	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37483.735	19478.459	1.1	15
BBNC_D	7392	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37479.407	19475.922	1.5	16
BBNC_D	7393	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37471.703	19465.856	1.5	16
BBNC_D	7394	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37507.65	19458.545	1.3	16
BBNC_D	7395	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37508.714	19454.883	1	16
BBNC_D	7396	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.646	19458.821	1.1	16
BBNC_D	7397	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37509.112	19462.476	1.5	18
BBNC_D	7398	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37490.971	19438.464	1.5	18
BBNC_D	7399	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37486.768	19434.046	1.3	18
BBNC_D	7400	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37491.238	19460.74	1.2	18
BBNC_D	7401	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37506.93	19482.488	1.2	16
BBNC_D	7402	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37503.36	19487.382	1	18
BBNC_D	7403	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37506.923	19487.918	1	16
BBNC_D	7404	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37504.664	19497.14	2	18
BBNC_D	7405	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37526.291	19496.543	2.3	20
BBNC_D	7406	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37544.98	19470.852	2	20
BBNC_D	7407	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37743.791	19477.442	1.4	18
BBNC_D	7408	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37728.131	19454.507	1.3	16
BBNC_D	7409	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37649.887	19449.951	1.4	16
BBNC_D	7410	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37643.082	19454.33	1.3	18
BBNC_D	7411	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37648.429	19462.364	1	18
BBNC_D	7412	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37554.772	19467.142	1.3	18
BBNC_D	7413	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37515.233	19474.163	1	15
BBNC_D	7414	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37511.72	19477.331	1.3	18
BBNC_D	7415	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37511.703	19471.835	1.4	18
BBNC_D	7416	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37510.717	19468.3	1.4	18
BBNC_D	7417	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37494.654	19515.668	1.4	18
BBNC_D	7418	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37495.355	19514.589	1	16
BBNC_D	7419	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37501.279	19506.804	1.3	18
BBNC_D	7420	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37517.421	19514.254	1.8	20
BBNC_D	7421	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37514.193	19522.532	1.2	18

BBNC_D	7422	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37505.783	19525.914	1.4	18
BBNC_D	7423	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37506.007	19528.855	1.3	18
BBNC_D	7424	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37507.529	19535.23	1.7	20
BBNC_D	7425	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37499.323	19531.794	2	18
BBNC_D	7426	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37470.215	19532.522	1.3	18
BBNC_D	7427	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37471.802	19543.394	1.2	18
BBNC_D	7428	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37445.973	19545.25	1.4	16
BBNC_D	7429	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37444.275	19558.261	1.3	18
BBNC_D	7430	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37438.717	19562.825	1.6	20
BBNC_D	7431	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37429.778	19565.114	1.2	15
BBNC_D	7432	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37399.13	19543.145	1.3	18
BBNC_D	7433	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	37407.878	19547.764	1	17
BBNC_D	7434	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37410.041	19537.385	1.5	20
BBNC_D	7435	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37418.593	19515.296	2	18
BBNC_D	7436	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37415.087	19500.712	1.2	18
BBNC_D	7437	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37408.439	19494.322	1.2	16
BBNC_D	7438	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37365.336	19500.965	1	20
BBNC_D	7439	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37362.271	19502.627	1.5	18
BBNC_D	7440	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37356.484	19500.738	1.3	18
BBNC_D	7441	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37345.2	19500.983	1.1	17
BBNC_D	7442	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37315.276	19478.78	1.2	20
BBNC_D	7443	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37409.69	19449.85	1.5	17
BBNC_D	7444	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37411.312	19446.946	1.7	17
BBNC_D	7446	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37410.74	19436.322	1.4	18
BBNC_D	7447	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37426.397	19435.97	1.2	18
BBNC_D	7448	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37425.878	19432.434	1.3	15
BBNC_D	7449	<i>Cinnamomum cf. iners</i>	Lauraceae	Native	Common	Tree	37420.052	19423.04	1.4	17
BBNC_D	7450	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37423.315	19418.549	1.5	18
BBNC_D	7451	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37382.424	19396.307	2.5	20
BBNC_D	7452	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37387.64	19407.087	1.6	18
BBNC_D	7453	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37396.444	19354.062	0.7	10
BBNC_D	7454	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37358.128	19392.311	1.4	18
BBNC_D	7455	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37340.946	19404.258	1.6	16
BBNC_D	7456	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37341.426	19406.728	1.6	16
BBNC_D	7457	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37316.354	19341.286	1.6	16
BBNC_D	7458	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37326.42	19342.195	2.3	20
BBNC_D	7459	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37331.572	19335.701	2.5	18
BBNC_D	7460	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37340.546	19325.247	1.2	16
BBNC_D	7461	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37346.703	19321.313	1.7	14
BBNC_D	7462	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37327.403	19313.953	2	18
BBNC_D	7463	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37331.843	19312.628	1.8	18
BBNC_D	7464	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37356.268	19292.137	1.5	18
BBNC_D	7465	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37344.438	19292.632	2	8
BBNC_D	7466	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37345.251	19292.506	1.7	18
BBNC_D	7467	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37328.951	19292.2	1.6	18
BBNC_D	7468	<i>Agathis</i> sp.	Araucariaceae	Exotic	Cultivated only	Tree	37321.562	19285.454	1.3	15
BBNC_F	7495	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37511.034	18493.653	0.6	7
BBNC_F	7496	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37508.325	18495.615	0.4	4
BBNC_F	7497	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37535.896	18505.991	0.2	7
BBNC_F	7498	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37552.384	18526.497	1	20
BBNC_F	7499	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37504.887	18495.999	0.2	6
BBNC_F	7500	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	37560.45	18495.11	1	15

BBNC_F	7501	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37567.888	18496.402	1.4	18
BBNC_F	7502	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37570.798	18503.735	1.5	20
BBNC_F	7503	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37571.108	18503.712	1.5	20
BBNC_F	7504	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37567.187	18529.905	2	24
BBNC_F	7505	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37589.82	18524.362	1.4	16
BBNC_F	7506	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37592.304	18526.713	1	15
BBNC_F	7507	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37595.304	18530.703	1	15
BBNC_B1 (West of Lor Sesuai)	7508	<i>Adinobotrys atropurpureus</i>	Fabaceae	Exotic	Casual	Tree	37006.803	20606.904	2.6	13
BBNC_B1 (West of Lor Sesuai)	7509	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37012.311	20611	2	16
BBNC_B1 (West of Lor Sesuai)	7510	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37012.341	20602.813	1.2	14
BBNC_B1 (West of Lor Sesuai)	7511	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37003.033	20598.03	2.4	13
BBNC_B1 (West of Lor Sesuai)	7512	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37019.147	20586.376	1	12
BBNC_B1 (West of Lor Sesuai)	7513	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37020.818	20579.244	1	10
BBNC_B1 (West of Lor Sesuai)	7514	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37025.116	20574.506	2.8	9
BBNC_B1 (West of Lor Sesuai)	7515	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37016.795	20569.066	1.2	10
BBNC_B1 (West of Lor Sesuai)	7516	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37033.436	20571.347	1.5	12
BBNC_B1 (West of Lor Sesuai)	7517	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37033.84	20553.149	2.3	16
BBNC_B1 (West of Lor Sesuai)	7518	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37041.736	20579.251	1.5	11
BBNC_B1 (West of Lor Sesuai)	7519	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37042.085	20583.36	1	12
BBNC_B1 (West of Lor Sesuai)	7520	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37044.695	20580.893	1.5	14
BBNC_B1 (West of Lor Sesuai)	7521	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37038.155	20581.196	1.5	16
BBNC_B1 (West of Lor Sesuai)	7522	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37026.486	20585.397	1.3	16
BBNC_B1 (West of Lor Sesuai)	7523	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37030.878	20595.093	1.3	16
BBNC_B1 (West of Lor Sesuai)	7524	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37048.214	20586.237	1	13
BBNC_B1 (West of Lor Sesuai)	7525	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37050.174	20590.75	2	16
BBNC_F	8001	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37588.866	18544.432	1	15
BBNC_F	8002	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37590.163	18543.742	1	15
BBNC_F	8003	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37578.708	18537.801	1.4	18
BBNC_F	8004	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37572.483	18539.217	1.8	15
BBNC_F	8005	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37572.41	18530.428	1.6	15
BBNC_F	8006	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37574.904	18531.092	1.1	15
BBNC_F	8007	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37573.918	18526.172	2	12
BBNC_F	8008	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37580.176	18517.254	1.05	10
BBNC_F	8009	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37584.064	18507.016	1.5	15
BBNC_F	8010	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37579.83	18509.102	1.1	15
BBNC_F	8011	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37581.744	18487.588	1.1	15
BBNC_F	8012	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37582.628	18469.157	1.8	18
BBNC_F	8013	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37585.446	18466.177	2.4	18
BBNC_F	8014	<i>Acacia cf. auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37582.033	18463.51	2.6	20
BBNC_F	8015	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37589.39	18454.163	1.6	17
BBNC_F	8016	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37574.012	18473.804	1.8	15
BBNC_F	8017	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37578.776	18455.285	1.6	17
BBNC_F	8018	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37564.194	18469.071	2.6	20
BBNC_F	8019	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37563.507	18469.585	1.5	18
BBNC_F	8020	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37558.783	18479.459	1.2	17
BBNC_F	8021	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37562.088	18488.904	5	22
BBNC_F	8022	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37555.677	18492.797	2	15
BBNC_F	8023	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37547.76	18507.729	2.8	18
BBNC_F	8024	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37548.828	18523.334	2.2	25
BBNC_F	8025	<i>Aphanamixis polystachya</i>	Meliaceae	Native	Common	Tree	37534.025	18519.841	1	15
BBNC_F	8026	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37539.094	18526.179	1	18
BBNC_F	8027	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37539.111	18528.696	1.3	18

BBNC_F	8028	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37538.31	18529.425	1.3	18
BBNC_F	8029	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37537.243	18530.368	3.8	20
BBNC_F	8030	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37522.043	18525.957	1.2	18
BBNC_F	8031	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.955	18522.479	1.5	20
BBNC_F	8032	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.552	18524.691	1.2	15
BBNC_F	8033	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.984	18533.14	1.2	15
BBNC_F	8034	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37491.938	18516.051	2.2	18
BBNC_F	8035	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37483.505	18509.419	2	18
BBNC_F	8036	<i>Adinandra dumosa</i>	Pentaphylacaceae	Native	Common	Tree	37497.353	18503.372	2	20
BBNC_F	8037	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37512.214	18489.731	2.2	18
BBNC_F	8038	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37513.99	18490.742	1.7	18
BBNC_F	8039	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37516.463	18482.114	1.7	18
BBNC_F	8040	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37522.83	18481.295	1.7	18
BBNC_F	8041	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37523.826	18482.435	2	18
BBNC_F	8042	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37524.572	18482.037	1	15
BBNC_F	8043	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37526.878	18478.308	1	15
BBNC_F	8044	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37530.281	18480.515	1.2	15
BBNC_F	8045	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37529.027	18478.062	1.2	15
BBNC_F	8046	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37536.712	18485.87	1.7	18
BBNC_F	8047	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37540.726	18479.868	1.4	15
BBNC_F	8048	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37546.245	18474.782	2.2	12
BBNC_F	8049	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37550.216	18476.254	1.5	15
BBNC_F	8050	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37551.576	18476.415	1	15
BBNC_F	8051	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37519.344	18505.042	2.5	10
BBNC_F	8052	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37516.537	18504.312	1	12
BBNC_F	8053	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37518.737	18511.102	2.5	10
BBNC_F	8054	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37516.439	18478.209	1.1	15
BBNC_F	8055	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37509.999	18480.178	1.7	15
BBNC_F	8056	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37511.949	18479.637	1.7	15
BBNC_F	8057	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37503.9	18481.701	1.3	12
BBNC_F	8058	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37478.452	18469.07	3	15
BBNC_F	8059	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	37476.326	18462.814	1.7	8
BBNC_F	8060	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37478.589	18467.322	3	8
BBNC_F	8061	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37329.146	18517.131	1.3	15
BBNC_F	8062	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37331.796	18520.19	1.1	15
BBNC_F	8063	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37334.342	18524.422	1.2	15
BBNC_F	8064	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37335.758	18522.053	3.5	25
BBNC_F	8065	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37351.012	18526.417	1.7	20
BBNC_F	8066	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37351.761	18530.037	2.2	25
BBNC_F	8067	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37348.465	18527.763	2.2	25
BBNC_F	8068	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37300.286	18596.344	1.1	8
BBNC_F	8069	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37296.383	18604.003	1.2	18
BBNC_F	8070	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37310.767	18592.124	1.8	15
BBNC_F	8071	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37293.547	18609.397	1.1	18
BBNC_F	8072	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37287.522	18620.737	1.7	15
BBNC_F	8073	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37289.545	18628.61	1	10
BBNC_F	8074	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37309.839	18662.804	2	18
BBNC_F	8075	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37322.18	18665.529	1.7	18
BBNC_F	8076	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37327.305	18655.268	1.1	18
BBNC_F	8077	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	37328.571	18653.747	1.1	18
BBNC_F	8078	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37333.418	18659.055	1.7	20
BBNC_F	8079	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37544.314	18540.457	1.7	12

BBNC_F	8080	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37538.265	18535.748	1.2	10
BBNC_F	8081	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37333.982	18660.073	2	6
BBNC_F	8082	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37341.335	18662.124	1.7	15
BBNC_F	8083	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37351.509	18663.336	1.2	12
BBNC_F	8084	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37353.786	18667.653	2.2	20
BBNC_F	8085	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37351.441	18670.206	1.7	15
BBNC_F	8086	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37328.124	18675.064	1.7	12
BBNC_F	8087	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37331.591	18672.4	1	12
BBNC_F	8088	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37328.34	18672.162	1	12
BBNC_F	8089	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37321.03	18675.296	1.6	20
BBNC_F	8090	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37319.984	18691.579	1	18
BBNC_F	8091	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37313.347	18684.847	3	10
BBNC_F	8092	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37305.825	18694.382	1	18
BBNC_F	8093	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37305.384	18692.754	1.1	20
BBNC_F	8094	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37294.474	18698.292	1	18
BBNC_F	8095	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37277.382	18707.687	1.5	18
BBNC_F	8096	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37277.245	18702.539	1.5	18
BBNC_F	8097	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37275.78	18701.801	1	18
BBNC_F	8098	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37274.285	18709.321	1.5	18
BBNC_F	8099	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37277.706	18709.282	1.3	20
BBNC_F	8100	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37278.294	18710.661	1	20
BBNC_F	8101	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37278.032	18712.894	1.2	20
BBNC_F	8102	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37273.447	18713.749	1	15
BBNC_F	8103	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37286.724	18691.442	1.5	118
BBNC_F	8104	<i>Ficus cf. variegata</i>	Moraceae	Native	Common	Tree	37278.104	18692.103	1	15
BBNC_F	8105	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37294.499	18683.354	1.2	15
BBNC_F	8106	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37296.245	18671.544	1.7	18
BBNC_F	8107	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37287.993	18678.005	1	15
BBNC_F	8108	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37295.471	18665.338	1	15
BBNC_F	8109	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37292.599	18657.505	1.2	18
BBNC_F	8110	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37298.15	18668.397	1.5	18
BBNC_F	8111	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37298.733	18672.964	1.7	10
BBNC_F	8112	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37308.777	18668.328	1	18
BBNC_F	8113	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37295.532	18650.158	1.5	15
BBNC_F	8114	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37306.259	18641.633	1	12
BBNC_F	8115	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37315.455	18650.477	1.05	15
BBNC_F	8116	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37335.035	18686.43	3.5	20
BBNC_F	8117	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37335.528	18680.415	1.7	20
BBNC_F	8118	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37345.054	18681.385	2.3	20
BBNC_F	8119	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37347.435	18682.322	1	15
BBNC_F	8120	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37349.507	18687.167	1.1	20
BBNC_F	8121	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37361.591	18678.213	1.5	20
BBNC_F	8122	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36840.283	20928.75	1.2	20
BBNC_F	8123	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37369.882	18677.174	1.7	15
BBNC_F	8124	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36848.581	20917.34	1.8	18
BBNC_F	8125	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37373.977	18671.212	1.5	18
BBNC_F	8126	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37382.851	18673.893	1.5	18
BBNC_F	8127	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37396.641	18697.606	1	18
BBNC_F	8128	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37405.696	18697.727	1.1	18
BBNC_F	8129	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37408.924	18696.779	1.3	18
BBNC_F	8130	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37409.192	18704.526	1.3	18
BBNC_F	8131	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37411.863	18696.247	1.2	18

BBNC_F	8132	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37412.997	18688.951	1.4	18
BBNC_F	8133	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37411.328	18691.248	1.5	18
BBNC_F	8134	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37417.06	18688.783	1.7	15
BBNC_F	8135	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37412.759	18709.414	1.2	15
BBNC_F	8136	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37442.342	18706.716	1.5	15
BBNC_F	8137	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37435.5	18705.007	3	15
BBNC_F	8138	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37434.124	18702.461	2	18
BBNC_F	8139	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37434.749	18687.678	2	20
BBNC_F	8140	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37437.201	18686.443	1.7	20
BBNC_F	8141	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37425.297	18683.486	1.1	15
BBNC_F	8142	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37430.886	18677.058	1.2	15
BBNC_F	8143	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37407.438	18668.726	1.5	18
BBNC_F	8144	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37401.397	18671.475	1.3	18
BBNC_F	8145	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37391.269	18668.095	1.8	15
BBNC_F	8146	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37386.981	18667.574	1.6	18
BBNC_F	8147	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37359.784	18754.39	10	15
BBNC_F	8148	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37352.073	18752.549	1.1	18
BBNC_F	8149	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37356.331	18745.745	1	18
BBNC_F	8150	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	37350.289	18751.963	2	18
BBNC_F	8151	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37330.79	18752.663	1.2	18
BBNC_F	8152	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37332.812	18759.238	3.5	20
BBNC_F	8153	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37331.661	18765.708	1.8	20
BBNC_F	8154	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37385.812	18715.376	2.5	15
BBNC_F	8155	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37380.571	18713.049	1	18
BBNC_F	8156	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37367.859	18702.791	1	15
BBNC_F	8157	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37357.928	18708.277	1.3	18
BBNC_F	8158	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37350.368	18714.7	1.5	20
BBNC_F	8159	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37332.263	18718.396	1	18
BBNC_F	8160	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37330.777	18710.299	1.1	15
BBNC_F	8161	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37321.593	18720.785	2	20
BBNC_F	8162	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37324.583	18705.084	3.5	18
BBNC_F	8163	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37245.399	18872.867	4.2	18
BBNC_F	8164	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37226.637	18876.444	1.6	20
BBNC_F	8165	<i>Dimocarpus longan</i>	Sapindaceae	Exotic	Casual	Tree	37213.173	18879.067	3	20
BBNC_F	8166	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37207.469	18881.046	2	15
BBNC_F	8167	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37199.194	18852.862	1.5	20
BBNC_F	8168	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37209.475	18845.516	1	10
BBNC_F	8169	<i>Nephelium</i> cf. <i>lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37208.828	18854.262	1	12
BBNC_F	8170	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37232.37	18849.009	1.3	10
BBNC_F	8171	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37227.804	18859.301	1.4	8
BBNC_F	8172	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37223.849	18857.969	2	14
BBNC_F	8173	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37224.663	18865.407	3.2	8
BBNC_F	8174	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37231.895	18832.253	1.2	8
BBNC_F	8175	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37255.52	18856.769	2	20
BBNC_F	8176	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37247.373	18857.896	1	8
BBNC_F	8177	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37260.608	18857.603	1	8
BBNC_F	8178	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	37277.065	18851.784	1.6	18
BBNC_F	8179	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	37274.123	18845.685	2.2	18
BBNC_F	8180	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37279.009	18841.697	2	20
BBNC_F	8181	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37275.523	18834.302	2.1	20
BBNC_F	8182	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37279.992	18817.709	1.5	20
BBNC_F	8183	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37280.15	18822.313	2.2	25

BBNC_F	8184	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37279.802	18822.524	2.4	25
BBNC_F	8185	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37295.478	18809.508	4	14
BBNC_F	8186	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37299.013	18792.082	3	18
BBNC_F	8187	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37293.54	18768.726	1	15
BBNC_F	8188	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37295.684	18767.746	1	18
BBNC_F	8189	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37286.356	18725.66	3.2	20
BBNC_F	8190	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37295.328	18729.748	1.5	15
BBNC_F	8191	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37216.218	18772.013	1.2	15
BBNC_F	8192	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37216.159	18775.094	1.1	10
BBNC_F	8193	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37224.807	18788.308	2	20
BBNC_F	8194	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37225.105	18797.533	1.8	15
BBNC_F	8195	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37214.397	18796.114	1.7	20
BBNC_F	8196	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37234.211	18795.751	1.2	15
BBNC_F	8197	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37217.757	18799.242	1.5	18
BBNC_F	8198	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37234.902	18796.737	1.2	10
BBNC_F	8199	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37200.441	18785.776	2.6	25
BBNC_F	8200	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	37200.798	18761.566	1.5	8
BBNC_F	8201	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37093.868	18970.925	2	18
BBNC_F	8202	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37087.807	18980.22	1.7	18
BBNC_F	8203	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37074.335	18979.411	1.5	18
BBNC_F	8204	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37079.048	18970.365	1	10
BBNC_F	8205	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37082.613	18966.569	2	20
BBNC_F	8206	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37075.827	18957.166	1.3	20
BBNC_F	8207	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37106.293	18957.777	1.3	20
BBNC_F	8208	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37117.092	18954.306	1	12
BBNC_F	8209	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37115.498	18970.434	1	18
BBNC_F	8210	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37104.484	18978.791	1	15
BBNC_F	8211	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37115.555	18974.544	1	10
BBNC_F	8212	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37144.142	18971.819	2	25
BBNC_F	8213	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37155.189	18981.855	1	15
BBNC_F	8214	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37128.732	18995.826	2.2	18
BBNC_F	8215	<i>Nephelium ramboutan-ake</i>	Sapindaceae	Cryptogenic	-	Tree	37138.209	19006.233	1	20
BBNC_F	8216	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	37142.372	19001.644	3	20
BBNC_F	8217	<i>Nephelium ramboutan-ake</i>	Sapindaceae	Cryptogenic	-	Tree	37141.38	19009.966	1.5	18
BBNC_F	8218	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37144.991	19012.769	2.5	20
BBNC_F	8219	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37142.444	19022.797	2	20
BBNC_F	8220	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	37149.746	19015.896	1.8	20
BBNC_F	8221	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37153.61	19001.349	1.4	14
BBNC_F	8222	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37147.213	18953.577	1.8	20
BBNC_F	8223	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37139.64	18938.352	2.5	8
BBNC_F	8224	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37131.896	18944.004	3	20
BBNC_F	8225	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37128.875	18916.914	1.2	12
BBNC_F	8226	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37120.745	18920.007	1.6	10
BBNC_F	8227	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37115.297	18926.642	2.7	10
BBNC_F	8228	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37073.972	18844.927	3.5	18
BBNC_F	8229	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37142.52	18864.905	3	10
BBNC_F	8230	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37029.228	18828.432	1.5	8
BBNC_F	8231	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37032.983	18828.65	1.1	8
BBNC_F	8232	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37065.348	18799.438	6 (Spread)	15
BBNC_F	8233	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37070.2	18795.023	1.6	12
BBNC_F	8234	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37069.534	18808.914	1.5	10
BBNC_F	8235	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37072.371	18807.632	2	15

BBNC_F	8236	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37076.994	18804.166	1.3	12
BBNC_F	8237	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37076.187	18802.956	1.6	10
BBNC_F	8238	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37080.322	18804.502	1	9
BBNC_F	8239	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37085.546	18800.845	2	12
BBNC_F	8240	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37104.645	18788.203	1.8	8
BBNC_F	8241	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36892.984	19005.643	1	8
BBNC_F	8242	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37033.82	19107.609	1	10
BBNC_F	8243	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37033.865	19102.794	1.1	10
BBNC_F	8244	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37030.036	19095.938	1.3	12
BBNC_F	8245	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37038.555	19084.096	1	10
BBNC_F	8246	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	37040.375	19076.999	1	10
BBNC_F	8247	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37045.607	19082.25	1	8
BBNC_F	8248	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37049.837	19077.396	1.2	20
BBNC_F	8249	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37041.003	19063.753	1	10
BBNC_F	8250	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37041.639	19049.476	1.2	12
BBNC_F	8251	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37037.702	19049.255	1.6	14
BBNC_F	8252	<i>Baccaurea motleyana</i>	Phyllanthaceae	Native	Critically endangered	Tree	37022.809	19046.804	1.2	14
BBNC_F	8253	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	36992.382	19046.025	1	7
BBNC_F	8254	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36987.581	19039.653	1	7
BBNC_F	8255	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37114.88336	19041.41395	1.3	14
BBNC_F	8256	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37116.10004	19030.61898	1.3	10
BBNC_F	8257	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37128.70535	19037.85317	2	15
BBNC_F	8258	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37125.27765	19034.18053	1.4	15
BBNC_F	8259	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37122.84471	19042.74968	1	15
BBNC_F	8260	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37126.60417	19045.64332	1	14
BBNC_F	8261	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37123.50879	19023.9419	1.1	12
BBNC_F	8301	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	37195.314	18763.372	2	10
BBNC_F	8302	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37196.346	18764.507	1.6	18
BBNC_F	8303	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37148.64	18809.56	1	10
BBNC_F	8304	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37152.174	18801.875	1.3	15
BBNC_F	8305	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37153.164	18750.97	1	15
BBNC_F	8306	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37151.72	18753.551	1	15
BBNC_F	8307	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37135.209	18748.25	1	15
BBNC_F	8308	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37128.507	18756.677	2.5	15
BBNC_F	8309	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37120.585	18756.165	5.5	15
BBNC_F	8310	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37120.291	18760.256	2	15
BBNC_F	8311	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37451.503	18457.673	1.8	10
BBNC_F	8312	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37167.904	18926.581	1	18
BBNC_F	8313	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37163.021	18936.688	1.2	18
BBNC_F	8314	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37168.362	18922.204	2.5	10
BBNC_F	8315	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37169.299	18921.109	2.5	10
BBNC_F	8316	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37167.321	18911.028	1.2	12
BBNC_F	8317	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37159.09	18916.199	1.2	12
BBNC_F	8318	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37146.771	18916.924	1.5	15
BBNC_F	8319	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37156.012	18908.351	1.5	12
BBNC_F	8320	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37154.667	18902.987	2	10
BBNC_F	8321	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37136.377	18881.15	2	20
BBNC_F	8322	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37141.818	18879.705	2.2	20
BBNC_F	8323	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37134.848	18880.927	4	20
BBNC_F	8324	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37136.265	18879.469	2.2	20
BBNC_F	8325	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37085.536	18944.679	2	18
BBNC_F	8326	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37080.71	18947.675	1.5	18



BBNC_F	8327	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37066.754	18959.338	1.5	18
BBNC_F	8328	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37077.091	18962.203	2	18
BBNC_F	8329	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37048.799	18951.741	1.5	18
BBNC_F	8330	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37041.514	18957.748	1.8	10
BBNC_F	8331	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37045.88	18963.401	1.8	15
BBNC_F	8332	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37027.869	18993.152	1	18
BBNC_F	8333	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37011.485	19010.904	4.5	20
BBNC_F	8334	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37002.888	18996.663	2	20
BBNC_F	8335	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37040.196	19015.178	5.1	15
BBNC_F	8336	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37047.552	19013.38	3.5	18
BBNC_F	8337	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37054.514	19013.711	6	20
BBNC_F	8338	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37059.417	19003.485	2.2	20
BBNC_F	8339	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37057.647	18996.445	1.2	10
BBNC_F	8340	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	37058.853	18990.618	1	8
BBNC_F	8341	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37058.712	18989.508	2.8	20
BBNC_F	8342	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37063.802	19039.486	3	6
BBNC_F	8343	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37051.088	19052.859	1	12
BBNC_F	8344	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37065.079	19047.657	1	10
BBNC_F	8345	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37070.72	19049.432	1	12
BBNC_F	8346	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37072.84	19062.301	1.2	12
BBNC_F	8347	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37076.237	19049.455	1.7	20
BBNC_F	8348	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37090.082	19057.158	1.5	16
BBNC_F	8349	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37100.523	19048.862	2	16
BBNC_F	8350	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37108.087	19056.279	1.5	18
BBNC_F	8351	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37111.371	19059.171	1.3	8
BBNC_F	8352	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37122.62	19054.451	1.5	20
BBNC_F	8353	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37123.954	19053.788	1.7	20
BBNC_F	8354	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37120.999	19061.098	1.5	20
BBNC_F	8355	<i>Ficus cf. vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37118.211	19067.631	1.5	18
BBNC_F	8356	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37129.739	19063.778	2	18
BBNC_F	8357	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37140.356	19069.871	1	10
BBNC_F	8358	<i>Cassia fistula</i>	Fabaceae	Exotic	Casual	Tree	37048.532	19061.36	1.2	8
BBNC_F	8359	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37028.827	19062.481	1	10
BBNC_F	8360	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37008.108	19083.386	6 (Cluster)	20
BBNC_F	8361	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37001.448	19075.104	2.5 (Cluster)	8
BBNC_F	8362	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37004.304	19069.885	3 (Cluster)	8
BBNC_F	8363	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37001.287	19064.296	2	18
BBNC_F	8364	<i>Aphanamixis polystachya</i>	Meliaceae	Native	Common	Tree	37016.294	19046.143	1.5	18
BBNC_F	8365	<i>Aphanamixis polystachya</i>	Meliaceae	Native	Common	Tree	37015.434	19049.002	1.5	18
BBNC_F	8366	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37004.094	19041.777	1.7	10
BBNC_F	8367	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36987.595	19060.657	1.8	15
BBNC_F	8368	<i>Aphanamixis polystachya</i>	Meliaceae	Native	Common	Tree	36969.611	19039.958	1.5	12
BBNC_F	8369	<i>Aphanamixis polystachya</i>	Meliaceae	Native	Common	Tree	36967.841	19037.878	1	12
BBNC_F	8370	<i>Aphanamixis polystachya</i>	Meliaceae	Native	Common	Tree	36953.074	19054.285	1.8	12
BBNC_F	8371	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36947.311	19042.175	2	15
BBNC_F	8372	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36933.729	19044.081	2.3	15
BBNC_F	8373	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36932.858	19036.624	10 (Cluster)	18
BBNC_F	8374	<i>Aphanamixis polystachya</i>	Meliaceae	Native	Common	Tree	36922.527	19021.612	2.2	18
BBNC_F	8375	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	36917.492	19018.607	5 (Cluster)	20
BBNC_F	8376	<i>Aphanamixis polystachya</i>	Meliaceae	Native	Common	Tree	36928.156	19003.94	2	10
BBNC_F	8377	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36938.449	19014.045	2	12
BBNC_F	8378	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37114.217	19047.646	1	15

BBNC_F	8379	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37101.157	19039.574	1	18
BBNC_F	8380	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37105.827	19036.324	1	18
BBNC_F	8381	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37100.19	19035.101	1	18
BBNC_F	8382	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37101.002	19034.206	1	18
BBNC_F	8383	<i>Baccaurea motleyana</i>	Phyllanthaceae	Native	Critically endangered	Tree	37109.567	19028.584	2	18
BBNC_F	8384	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37108.43	19022.163	2.3	20
BBNC_F	8385	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37096.349	19013.823	2	20
BBNC_F	8386	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37108.48	19016.804	1	18
BBNC_F	8387	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37104.658	19012.571	1.5	25
BBNC_F	8388	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37113.64	19008.815	2	20
BBNC_F	8389	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37104.764	18996.964	1.5	18
BBNC_F	8390	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37105.054	18987.257	1.7	20
BBNC_F	8396	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37106.502	18970.401	1.5	20
BBNC_F	8397	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37097.042	18964.195	2.3	20
BBNC_F	8398	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37104.217	18960.251	2	20
BBNC_F	8399	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37104.512	18963.994	1	20
BBNC_F	8400	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37100.801	18959.136	1	20
BBNC_D	8401	<i>Agathis borneensis</i>	Araucariaceae	Exotic	Cultivated only	Tree	37242.401	19291.976	1.5	18
BBNC_D	8402	<i>Agathis borneensis</i>	Araucariaceae	Exotic	Cultivated only	Tree	37238.634	19293.419	1.5	15
BBNC_D	8403	<i>Agathis borneensis</i>	Araucariaceae	Exotic	Cultivated only	Tree	37234.013	19294.987	1.2	15
BBNC_D	8404	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37231.587	19300.32	2	20
BBNC_D	8405	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37229.044	19305.563	2.5	20
BBNC_D	8406	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37232.226	19309.516	1	15
BBNC_D	8407	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37225.979	19319.328	1.5	15
BBNC_D	8408	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37234.967	19324.155	1	12
BBNC_D	8409	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37234.472	19319.946	1	12
BBNC_D	8410	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37234.552	19320.711	1	12
BBNC_D	8411	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37239.368	19322.79	1.2	20
BBNC_D	8412	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37250.707	19319.448	1.5	20
BBNC_D	8413	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37261.866	19306.307	1.2	20
BBNC_D	8414	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37265.603	19303.229	1.8	20
BBNC_D	8415	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37266.209	19319.234	3.2	25
BBNC_D	8416	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37274.461	19319.987	2.2	22
BBNC_D	8417	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37267.753	19334.992	3	20
BBNC_D	8418	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37252.023	19338.434	1.2	15
BBNC_D	8419	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37253.822	19340.911	1	15
BBNC_D	8420	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37250.845	19331.515	1	15
BBNC_D	8421	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37232.944	19343.879	1.8	22
BBNC_D	8422	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37240.51	19353.585	1.6	20
BBNC_D	8423	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37260.711	19353.205	1.6	20
BBNC_D	8424	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37264.897	19349.673	2.5	25
BBNC_D	8425	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37267.067	19350.134	2	25
BBNC_D	8426	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37273.946	19350.305	1.5	15
BBNC_D	8427	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37268.014	19363.26	1.8	20
BBNC_D	8428	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37271.825	19345.688	1	18
BBNC_D	8429	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37276.977	19347.919	1.7	18
BBNC_D	8430	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37279.816	19348.243	1.1	18
BBNC_D	8431	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37274.307	19360.697	1	20
BBNC_D	8432	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37283.521	19353.204	1.5	18
BBNC_D	8433	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37285.124	19352.188	1.5	18
BBNC_D	8434	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37280.461	19342.591	1.5	18
BBNC_D	8435	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37284.303	19336.732	1.2	20

BBNC_D	8437	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	37287.474	19341.253	1.8	20
BBNC_D	8439	<i>Hertiera elata</i>	Malvaceae	Native	Endangered	Tree	37284.552	19341.269	0.2	3
BBNC_D	8440	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37295.832	19346.977	2.5	25
BBNC_D	8441	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37299.094	19348.171	3	20
BBNC_D	8442	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37294.674	19357.06	2	20
BBNC_D	8443	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37321.758	19347.425	3.2	25
BBNC_D	8444	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37322.301	19347.107	1.5	25
BBNC_D	8445	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37316.982	19348.487	2.6	25
BBNC_D	8446	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37310.537	19345.232	1.8	20
BBNC_D	8447	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37306.049	19341.214	1.5	20
BBNC_D	8448	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37306.764	19321.565	2.5	15
BBNC_D	8449	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37317.634	19306.796	1	12
BBNC_D	8450	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37320.837	19304.824	2	20
BBNC_D	8451	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37316.068	19292.667	1.2	18
BBNC_D	8452	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37257.506	19362.383	1	18
BBNC_D	8453	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37262.834	19381.036	1.5	20
BBNC_D	8454	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37267.08	19383.613	1	20
BBNC_D	8455	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37266.248	19387.466	1	20
BBNC_D	8456	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37278.32	19376.572	1.5	20
BBNC_D	8457	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37279.981	19391.976	1.2	20
BBNC_D	8458	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37279.99	19386.704	1	20
BBNC_D	8459	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37295.075	19394.916	1	18
BBNC_D	8460	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37297.717	19399.397	1.1	18
BBNC_D	8461	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37291.678	19400.882	1.2	18
BBNC_D	8462	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37307.072	19398.037	3.5	20
BBNC_D	8463	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37310.074	19392.795	1.4	18
BBNC_D	8464	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37311.287	19403.938	1.4	18
BBNC_D	8465	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37314.393	19403.629	1.4	18
BBNC_D	8466	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37318.821	19407.55	1.4	15
BBNC_D	8467	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37320.993	19406.296	1.5	15
BBNC_D	8468	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37320.357	19406.795	2	20
BBNC_D	8469	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37317.718	19413.525	1.5	18
BBNC_D	8470	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37312.9	19417.021	1.5	18
BBNC_D	8471	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37322.125	19420.776	1.6	18
BBNC_D	8472	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37327.895	19415.854	5	25
BBNC_D	8473	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37314.886	19395.034	1.1	15
BBNC_D	8474	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37327.828	19385.789	1	15
BBNC_D	8475	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37322.402	19381.336	1.2	18
BBNC_D	8476	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37333.062	19376.714	3.5	25
BBNC_D	8477	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37340.069	19365.853	1.5	18
BBNC_D	8478	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37324.422	19374.347	1	20
BBNC_D	8479	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37320.552	19374.284	1.5	18
BBNC_D	8480	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37307.442	19377.264	1.5	18
BBNC_D	8481	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37305.889	19377.536	1.5	18
BBNC_D	8482	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37303.949	19381.279	1.2	18
BBNC_D	8483	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37301.292	19378.781	1.3	18
BBNC_D	8484	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37297.742	19380.196	1.5	18
BBNC_D	8485	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37288.688	19381.096	1.5	18
BBNC_D	8486	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37287.725	19378.195	1	15
BBNC_D	8487	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37306.403	19368.011	1	18
BBNC_D	8488	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37300.374	19368.95	1.5	18
BBNC_D	8489	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37319.237	19356.384	1.5	18

BBNC_D	8490	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37340.651	19360.039	1	20
BBNC_D	8491	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37354.636	19347.173	1.6	15
BBNC_D	8492	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37358.762	19349.659	1.8	18
BBNC_D	8493	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37365.405	19363.185	1.1	18
BBNC_D	8494	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37375.716	19370.64	1.3	18
BBNC_D	8495	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37366.131	19371.942	1.3	18
BBNC_D	8496	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37371.038	19379.933	1.3	15
BBNC_D	8497	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37383.88	19366.959	4.5	22
BBNC_D	8498	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37386.736	19370.673	1.1	12
BBNC_D	8499	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37395.101	19363.171	1.3	18
BBNC_D	8500	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37405.526	19371.417	1.1	15
BBNC_B1 (West of Lor Sesuai)	1022	<i>Dypsis lucubensis</i>	Arecaceae	Exotic	Cultivated only	Palm	36954.423	20651.095	1	16
BBNC_C1 (BBNP)	1023	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36922.459	20688.159	1.4	13
BBNC_C1 (BBNP)	1024	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36917.829	20682.392	1.1	18
BBNC_C1 (BBNP)	1025	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36922.526	20679.995	1	14
BBNC_C1 (BBNP)	1026	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36926.279	20669.924	1.6	16
BBNC_B1 (West of Lor Sesuai)	1027	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36920.818	20647.963	1	14
BBNC_B1 (West of Lor Sesuai)	1028	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	36917.815	20640.671	0.8	6
BBNC_B1 (West of Lor Sesuai)	1029	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36918.114	20639.501	2	17
BBNC_B1 (West of Lor Sesuai)	1030	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36907.444	20637.823	3.2	22
BBNC_B1 (West of Lor Sesuai)	1031	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36905.2	20635.603	1.1	16
BBNC_B1 (West of Lor Sesuai)	1032	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36899.269	20629.235	2	16
BBNC_B1 (West of Lor Sesuai)	1033	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36810.589	20161.928	1.1	7
BBNC_B1 (West of Lor Sesuai)	1034	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36811.081	20171.381	1	10
BBNC_B1 (West of Lor Sesuai)	1035	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36826.119	20172.94	2.2	15
BBNC_B1 (West of Lor Sesuai)	1036	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36827.664	20170.213	1.3	15
BBNC_B1 (West of Lor Sesuai)	1037	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36824.357	20163.662	4.5	18
BBNC_B1 (West of Lor Sesuai)	1038	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36828.637	20159.025	1.6	14
BBNC_B1 (West of Lor Sesuai)	1039	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36831.992	20157.234	1.2	10
BBNC_B1 (West of Lor Sesuai)	1040	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36833.662	20158.199	2.4	14
BBNC_B1 (West of Lor Sesuai)	1041	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36835.55	20163.591	1.2	10
BBNC_B1 (West of Lor Sesuai)	1042	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36840.41	20165.58	1.3	14
BBNC_B1 (West of Lor Sesuai)	1043	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36843.632	20166.197	4	18
BBNC_B1 (West of Lor Sesuai)	1044	<i>Alstonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36853.102	20163.625	1.6	14
BBNC_B1 (West of Lor Sesuai)	1045	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36856.756	20165.664	1	18
BBNC_B1 (West of Lor Sesuai)	1046	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36848.509	20157.821	1.5	18
BBNC_B1 (West of Lor Sesuai)	1047	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36845.715	20152.791	1.2	18
BBNC_B1 (West of Lor Sesuai)	1048	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36847.037	20143.744	1.2	16
BBNC_B1 (West of Lor Sesuai)	1049	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36849.895	20145.327	1.5	10
BBNC_B1 (West of Lor Sesuai)	1050	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36851.466	20148.03	1.2	8
BBNC_B1 (West of Lor Sesuai)	1051	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36854.436	20144.494	1.3	8
BBNC_B1 (West of Lor Sesuai)	1052	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36858.213	20147.082	1.3	16
BBNC_B1 (West of Lor Sesuai)	1053	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36862.146	20145.032	1.3	18
BBNC_B1 (West of Lor Sesuai)	1054	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36866.153	20144.636	1.2	16
BBNC_B1 (West of Lor Sesuai)	1055	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36876.412	20149.82	3	16
BBNC_B1 (West of Lor Sesuai)	1056	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36881.537	20147.785	1.3	16
BBNC_B1 (West of Lor Sesuai)	1057	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36880.424	20145.134	1.4	14
BBNC_B1 (West of Lor Sesuai)	1058	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36881.514	20145.878	1	10
BBNC_B1 (West of Lor Sesuai)	1059	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36904.074	20142.188	1	12
BBNC_B1 (West of Lor Sesuai)	1060	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36907.744	20142.406	1.3	16
BBNC_B1 (West of Lor Sesuai)	1061	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36911.138	20140.434	1.1	16
BBNC_B1 (West of Lor Sesuai)	1062	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36916.866	20137.651	1.4	20

BBNC_B1 (West of Lor Sesuai)	1063	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	36921.995	20138.316	1.3	16
BBNC_B1 (West of Lor Sesuai)	1064	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36921.697	20153.138	2.2	20
BBNC_B1 (West of Lor Sesuai)	1065	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36912.135	20168.595	1.8	20
BBNC_B1 (West of Lor Sesuai)	1066	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36904.534	20166.856	1.4	14
BBNC_B1 (West of Lor Sesuai)	1067	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36903.4	20162.728	1.8	8
BBNC_B1 (West of Lor Sesuai)	1069	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36893.726	20168.313	1.1	14
BBNC_B1 (West of Lor Sesuai)	1070	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36901.945	20183.287	1.6	20
BBNC_B1 (West of Lor Sesuai)	1071	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36910.276	20187.499	1.2	12
BBNC_B1 (West of Lor Sesuai)	1072	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36911.55	20188.442	1.2	16
BBNC_B1 (West of Lor Sesuai)	1073	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36912.898	20185.8	1.2	12
BBNC_B1 (West of Lor Sesuai)	1074	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36925.1	20187.545	1.1	16
BBNC_B1 (West of Lor Sesuai)	1075	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36918.606	20201.11	1.8	16
BBNC_B1 (West of Lor Sesuai)	1076	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36919.587	20203.869	1	16
BBNC_B1 (West of Lor Sesuai)	1078	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36927.738	20214.338	1.4	14
BBNC_B1 (West of Lor Sesuai)	1079	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36914.12	20217.896	1	18
BBNC_B1 (West of Lor Sesuai)	1080	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36897.386	20223.238	1.6	16
BBNC_B1 (West of Lor Sesuai)	1081	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36897.668	20222.644	2.8	20
BBNC_B1 (West of Lor Sesuai)	1082	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36879.907	20221.78	2.2	20
BBNC_B1 (West of Lor Sesuai)	1083	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36878.866	20226.764	1.6	25
BBNC_B1 (West of Lor Sesuai)	1084	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36895.328	20217.723	1.6	14
BBNC_B1 (West of Lor Sesuai)	1085	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36890.565	20200.498	1	16
BBNC_B1 (West of Lor Sesuai)	1086	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36891.355	20188.064	2.2	16
BBNC_B1 (West of Lor Sesuai)	1087	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36888.721	20191.987	1.1	16
BBNC_B1 (West of Lor Sesuai)	1088	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36887.953	20188.634	1.1	16
BBNC_B1 (West of Lor Sesuai)	1089	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	36884.331	20164.263	2.8	20
BBNC_B1 (West of Lor Sesuai)	1090	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36874.625	20176.291	1.3	18
BBNC_B1 (West of Lor Sesuai)	1091	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36876.364	20186.531	1	8
BBNC_B1 (West of Lor Sesuai)	1092	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36880.943	20198.009	1.3	12
BBNC_B1 (West of Lor Sesuai)	1093	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36870.989	20198.816	2.4	30
BBNC_B1 (West of Lor Sesuai)	1094	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36863.887	20198.582	1.8	30
BBNC_B1 (West of Lor Sesuai)	1095	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36859.139	20195.8	2	18
BBNC_B1 (West of Lor Sesuai)	1096	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36859.934	20185.035	2.4	10
BBNC_B1 (West of Lor Sesuai)	1097	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36865.574	20178.722	1.6	14
BBNC_B1 (West of Lor Sesuai)	1098	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36860.889	20169.707	1.2	14
BBNC_B1 (West of Lor Sesuai)	1099	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36857.853	20168.901	1.2	14
BBNC_B1 (West of Lor Sesuai)	1100	<i>Mimusops elengi</i>	Sapotaceae	Exotic	Casual	Tree	36850.429	20190.664	1	8
BBNC_B1 (West of Lor Sesuai)	1130	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36898.994	20629.005	1	16
BBNC_B1 (West of Lor Sesuai)	1131	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36900.879	20627.44	1	16
BBNC_B1 (West of Lor Sesuai)	1132	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36894.772	20620.874	1	15
BBNC_B1 (West of Lor Sesuai)	1133	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36907.54	20611.037	1	11
BBNC_B1 (West of Lor Sesuai)	1134	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36910.681	20617.922	1.1	15
BBNC_B1 (West of Lor Sesuai)	1135	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36910.922	20613.627	1.2	10
BBNC_B1 (West of Lor Sesuai)	1136	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36920.036	20609.011	3.2	25
BBNC_B1 (West of Lor Sesuai)	1137	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36920.235	20608.265	1.1	13
BBNC_B1 (West of Lor Sesuai)	1137A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36929.025	20602.889	1.5	15
BBNC_B1 (West of Lor Sesuai)	1137B	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36930.102	20602.588	1.3	15
BBNC_B1 (West of Lor Sesuai)	1139	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36926.431	20594.827	1.1	13
BBNC_B1 (West of Lor Sesuai)	1140	<i>Litsea cf. umbellata</i>	Lauraceae	Native	Vulnerable	Tree	36929.383	20597.732	2.5	25
BBNC_B1 (West of Lor Sesuai)	1141	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36937.856	20603.712	2	12
BBNC_B1 (West of Lor Sesuai)	1142	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	36939.848	20603.444	1.5	9
BBNC_B1 (West of Lor Sesuai)	1143	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36942.493	20596.888	3	25
BBNC_B1 (West of Lor Sesuai)	1144	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36949.48	20586.487	3.8	22

BBNC_B1 (West of Lor Sesuai)	1145	<i>Beilschmiedia madang</i>	Lauraceae	Native	Vulnerable	Tree	36950.74	20589.273	0.4	10
BBNC_B1 (West of Lor Sesuai)	1146	<i>Ficus cf. variegata</i>	Moraceae	Native	Common	Tree	36950.597	20602.131	1.3	15
BBNC_B1 (West of Lor Sesuai)	1147	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36955.802	20611.454	3.9	25
BBNC_B1 (West of Lor Sesuai)	1148	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	36957.815	20616.673	0.9	11
BBNC_B1 (West of Lor Sesuai)	1149	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36947.453	20616.566	1.4	13
BBNC_B1 (West of Lor Sesuai)	1150	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36944.49	20625.902	1.7	18
BBNC_B1 (West of Lor Sesuai)	1156	<i>Saraca thaipingensis</i>	Fabaceae	Exotic	Cultivated only	Tree	36835.678	20186.977	1.7	8
BBNC_B1 (West of Lor Sesuai)	1157	<i>Saraca thaipingensis</i>	Fabaceae	Exotic	Cultivated only	Tree	36828.326	20190.498	1.1	6
BBNC_B1 (West of Lor Sesuai)	1158	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36952.746	20209.471	1	14
BBNC_B1 (West of Lor Sesuai)	1159	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36957.066	20208.637	1	15
BBNC_B1 (West of Lor Sesuai)	1160	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36967.825	20199.72	1.1	14
BBNC_B1 (West of Lor Sesuai)	1161	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36976.799	20199.811	1	11
BBNC_B1 (West of Lor Sesuai)	1162	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36981.179	20209.407	1.1	13
BBNC_B1 (West of Lor Sesuai)	1163	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36979.628	20220.047	1.4	13
BBNC_B1 (West of Lor Sesuai)	1164	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36970.216	20228.963	1.1	15
BBNC_B1 (West of Lor Sesuai)	1165	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36958.239	20241.109	1.1	13
BBNC_B1 (West of Lor Sesuai)	1166	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36958.146	20237.556	1.2	13
BBNC_B1 (West of Lor Sesuai)	1167	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36962.435	20235.842	1.2	14
BBNC_B1 (West of Lor Sesuai)	1168	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36957.86	20224.012	1.2	15
BBNC_B1 (West of Lor Sesuai)	1169	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36962.599	20216.869	1.5	17
BBNC_B1 (West of Lor Sesuai)	1170	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36955.674	20221.789	1	17
BBNC_B1 (West of Lor Sesuai)	1171	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37007.268	20201.879	1.5	16
BBNC_B1 (West of Lor Sesuai)	1172	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37008.009	20200.79	1.1	13
BBNC_B1 (West of Lor Sesuai)	1173	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37000.013	20210.736	1.4	15
BBNC_B1 (West of Lor Sesuai)	1174	<i>Macaranga cf. hypoleuca</i>	Euphorbiaceae	Native	Common	Tree	37002.888	20220.998	1.1	7
BBNC_B1 (West of Lor Sesuai)	1175	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	36999.803	20229.709	1.0	7
BBNC_B1 (West of Lor Sesuai)	1176	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37006.885	20223.4	1.2	10
BBNC_B1 (West of Lor Sesuai)	1177	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37024.89	20246.658	1.6	12
BBNC_B1 (West of Lor Sesuai)	1178	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37026.734	20248.5	1.8	13
BBNC_B1 (West of Lor Sesuai)	1179	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37032.249	20246.111	1.1	16
BBNC_B1 (West of Lor Sesuai)	1180	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37039.932	20247.883	1.1	13
BBNC_B1 (West of Lor Sesuai)	1181	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37041.943	20240.397	1.4	16
BBNC_B1 (West of Lor Sesuai)	1182	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37066.301	20237.885	1.3	13
BBNC_B1 (West of Lor Sesuai)	1183	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	37099.773	20317.847	0.9	10
BBNC_B1 (West of Lor Sesuai)	1184	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37004.788	20113.829	1.4	18
BBNC_B1 (West of Lor Sesuai)	1185	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36994.632	20117.253	1.1	12
BBNC_B1 (West of Lor Sesuai)	1186	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37008.686	20135.151	1.3	14
BBNC_B1 (West of Lor Sesuai)	1187	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37005.173	20139.449	1.4	18
BBNC_B1 (West of Lor Sesuai)	1188	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37003.548	20144.513	1.2	10
BBNC_B1 (West of Lor Sesuai)	1189	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37003.914	20151.223	2	16
BBNC_B1 (West of Lor Sesuai)	1190	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37004.322	20147.239	1.5	14
BBNC_B1 (West of Lor Sesuai)	1191	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37014.567	20176.079	1.3	12
BBNC_B1 (West of Lor Sesuai)	1192	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37024.333	20163.148	1.2	14
BBNC_B1 (West of Lor Sesuai)	1193	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37019.137	20150.421	1.7	16
BBNC_B1 (West of Lor Sesuai)	1194	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37042.595	20151.613	1	10
BBNC_B1 (West of Lor Sesuai)	1195	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37047.493	20152.379	1.3	16
BBNC_B1 (West of Lor Sesuai)	1196	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37046.678	20132.665	1.2	10
BBNC_B1 (West of Lor Sesuai)	1197	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37041.483	20134.209	0.7	10
BBNC_B1 (West of Lor Sesuai)	1198	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37051.202	20126.998	1.1	10
BBNC_B1 (West of Lor Sesuai)	1199	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37050.146	20126.983	1.3	14
BBNC_B1 (West of Lor Sesuai)	1200	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37051.192	20128.29	1.3	14
BBNC_B1 (West of Lor Sesuai)	1395	<i>Elaeocarpus pedunculatus</i>	Eleaocarpaceae	Native	Common	Tree	36765.39	20143.47	1.7	18

BBNC_B1 (West of Lor Sesuai)	1396	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	36764.79	20145.66	1.5	18
BBNC_B1 (West of Lor Sesuai)	1397	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	36770.79	20149.19	1.1	6
BBNC_B1 (West of Lor Sesuai)	1398	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36776.04	20152.91	1.5	20
BBNC_B1 (West of Lor Sesuai)	1399	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36789.54	20159.17	1.4	
BBNC_B1 (West of Lor Sesuai)	1400	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	36785.85	20161.68	1.1	15
BBNC_B1 (West of Lor Sesuai)	1409	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36709.833	20160.237	2	18
BBNC_B1 (West of Lor Sesuai)	1411	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36717.56	20158.909	3.5	20
BBNC_B1 (West of Lor Sesuai)	1412	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36717.992	20170.023	2.8	20
BBNC_B1 (West of Lor Sesuai)	1414	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	36721.679	20178.584	0.4	11
BBNC_B1 (West of Lor Sesuai)	1417	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36739.94	20204.305	2.6	20
BBNC_B1 (West of Lor Sesuai)	1418	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36742.392	20206.36	1.7	20
BBNC_B1 (West of Lor Sesuai)	1419	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36753.507	20220.241	1	16
BBNC_B1 (West of Lor Sesuai)	1420	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36749.911	20225.526	3	20
BBNC_B1 (West of Lor Sesuai)	1421	<i>Litsea umbellata</i>	Lauraceae	Native	Vulnerable	Tree	36745.899	20229.378	0.4	12
BBNC_B1 (West of Lor Sesuai)	1423	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	36737.381	20217.745	1.3	10
BBNC_B1 (West of Lor Sesuai)	1424	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36729.084	20214.376	1.2	18
BBNC_B1 (West of Lor Sesuai)	1425	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36722.719	20214.134	1.8	18
BBNC_B1 (West of Lor Sesuai)	1426	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36719.755	20210.694	2.1	20
BBNC_B1 (West of Lor Sesuai)	1427	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36717.207	20199.701	1.8	20
BBNC_B1 (West of Lor Sesuai)	1428	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	36710.205	20201.714	0.3	6
BBNC_B1 (West of Lor Sesuai)	1429	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36722.134	20208.417	2.7	20
BBNC_B1 (West of Lor Sesuai)	1430	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36675.25	20166.5	1.5	14
BBNC_B1 (West of Lor Sesuai)	1433	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36682.63	20164.89	2	12
BBNC_B1 (West of Lor Sesuai)	1434	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36681.83	20164.01	1.4	16
BBNC_B1 (West of Lor Sesuai)	1435	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36682.67	20158.63	1	12
BBNC_B1 (West of Lor Sesuai)	1436	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36695.26	20188.47	1.3	16
BBNC_B1 (West of Lor Sesuai)	1437	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36693.01	20182.08	0.3	7
BBNC_B1 (West of Lor Sesuai)	1438	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	36684.81	20213.94	1.8	20
BBNC_B1 (West of Lor Sesuai)	1439	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36686.72	20218.95	1.2	18
BBNC_B1 (West of Lor Sesuai)	1440	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36689.69	20214.19	1.2	18
BBNC_B1 (West of Lor Sesuai)	1441	<i>Adinandra dumosa</i>	Pentaphragaceae	Native	Common	Tree	36683.29	20214.57	1.1	16
BBNC_B1 (West of Lor Sesuai)	1442	<i>Prunus polystachya</i>	Rosaceae	Native	Common	Tree	36690.31	20213.96	1.3	22
BBNC_B1 (West of Lor Sesuai)	1443	<i>Litsea umbellata</i>	Lauraceae	Native	Vulnerable	Tree	36700.85	20220.97	0.4	8
BBNC_B1 (West of Lor Sesuai)	1444	<i>Prunus polystachya</i>	Rosaceae	Native	Common	Tree	36701.05	20223.74	1.2	16
BBNC_B1 (West of Lor Sesuai)	1445	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36701.65	20240.41	1.3	15
BBNC_B1 (West of Lor Sesuai)	1446	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	36708.49	20235.34	0.6	12
BBNC_B1 (West of Lor Sesuai)	1447	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36712.74	20234.71	1.3	16
BBNC_B1 (West of Lor Sesuai)	1448	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36704.1	20222.7	1	18
BBNC_B1 (West of Lor Sesuai)	1449	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	36719.8	20221.63	2.2	25
BBNC_B1 (West of Lor Sesuai)	1450	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36695.01	20230.28	2.2	14
BBNC_B1 (West of Lor Sesuai)	1451	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36697.44	20268.09	1.2	18
BBNC_B1 (West of Lor Sesuai)	1452	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36696.96	20274.58	1.5	18
BBNC_B1 (West of Lor Sesuai)	1453	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36700.67	20272.83	1.4	20
BBNC_B1 (West of Lor Sesuai)	1454	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36681.4	20275.42	1.2	20
BBNC_B1 (West of Lor Sesuai)	1455	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36693.89	20289.93	1.3	20
BBNC_B1 (West of Lor Sesuai)	1456	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36695.09	20289.49	1.8	20
BBNC_B1 (West of Lor Sesuai)	1457	<i>Mangifera caesia</i>	Anacardiaceae	Exotic	Casual	Tree	36687.62	20302.79	1.4	15
BBNC_B1 (West of Lor Sesuai)	1458	<i>Mangifera caesia</i>	Anacardiaceae	Exotic	Casual	Tree	36686.57	20291.45	1.3	15
BBNC_B1 (West of Lor Sesuai)	1459	<i>Mangifera caesia</i>	Anacardiaceae	Exotic	Casual	Tree	36709.41	20302	2	20
BBNC_B1 (West of Lor Sesuai)	1462	<i>Shorea cf. ovalis</i>	Dipterocarpaceae	Native	Critically endangered	Tree	36711.06	20309.79	1.6	20
BBNC_B1 (West of Lor Sesuai)	1463	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36707.5	20323.51	1.9	18
BBNC_B1 (West of Lor Sesuai)	1464	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36701.04	20313.67	4.2	20

BBNC_B1 (West of Lor Sesuai)	1465	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36704.12	20312.76	2.8	20
BBNC_B1 (West of Lor Sesuai)	1466	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36694.13	20299.89	1.9	15
BBNC_B1 (West of Lor Sesuai)	1491	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36606.08	20234.71	1.1	12
BBNC_B1 (West of Lor Sesuai)	1492	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36642.05	20280.88	2.4	16
BBNC_B1 (West of Lor Sesuai)	1493	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36643.47	20283.42	1	14
BBNC_B1 (West of Lor Sesuai)	1494	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36642.35	20285.74	3	18
BBNC_B1 (West of Lor Sesuai)	1495	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36659.77	20295.62	1.6	14
BBNC_B1 (West of Lor Sesuai)	1496	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36660.99	20290.53	2.4	14
BBNC_B1 (West of Lor Sesuai)	1497	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36659.54	20283.36	1	12
BBNC_B1 (West of Lor Sesuai)	1498	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36644.86	20271.87	1.6	10
BBNC_B1 (West of Lor Sesuai)	1499	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	36618.47	20236.31	1	8
BBNC_B1 (West of Lor Sesuai)	1500	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36605.66	20227.47	1	8
BBNC_B1 (West of Lor Sesuai)	1501	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36789.83	20173.19	2.8	20
BBNC_B1 (West of Lor Sesuai)	1502	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36800.44	20182.08	2	252
BBNC_B1 (West of Lor Sesuai)	1503	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36795.99	20193.61	1.3	16
BBNC_B1 (West of Lor Sesuai)	1504	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36795.99	20201.15	2.2	30
BBNC_B1 (West of Lor Sesuai)	1505	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36794.69	20199.41	1	12
BBNC_B1 (West of Lor Sesuai)	1506	<i>Andira inermis</i>	Fabaceae	Exotic	Casual	Tree	36814	20203.16	1.3	16
BBNC_B1 (West of Lor Sesuai)	1507	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36801.42	20202.35	2.5	7
BBNC_B1 (West of Lor Sesuai)	1508	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36810.8	20202.85	1	1
BBNC_B1 (West of Lor Sesuai)	1509	<i>Shorea ovalis</i> subsp. <i>ovalis</i>	Dipterocarpaceae	Native	Critically endangered	Tree	36803.49	20181.14	1	15
BBNC_B1 (West of Lor Sesuai)	1510	<i>Shorea ovalis</i> subsp. <i>ovalis</i>	Dipterocarpaceae	Native	Critically endangered	Tree	36801.72	20184.59	1.2	15
BBNC_B1 (West of Lor Sesuai)	1511	<i>Adinobotrys atropurpureus</i>	Fabaceae	Exotic	Naturalised	Tree	36787.99	20160.08	1.1	12
BBNC_B1 (West of Lor Sesuai)	1512	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36791.69	20146.36	1.5	18
BBNC_B1 (West of Lor Sesuai)	1513	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36793.13	20155.1	1.3	18
BBNC_B1 (West of Lor Sesuai)	1514	<i>Adinobotrys atropurpureus</i>	Fabaceae	Exotic	Naturalised	Tree	36782.53	20142.38	1.7	20
BBNC_B1 (West of Lor Sesuai)	1515	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36761.78	20212.42	2.3	20
BBNC_B1 (West of Lor Sesuai)	1516	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36771	20211.63	1.5	20
BBNC_B1 (West of Lor Sesuai)	1517	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36757.18	20226.21	2.5	25
BBNC_B1 (West of Lor Sesuai)	1518	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36755.8	20222.95	1.5	20
BBNC_B1 (West of Lor Sesuai)	1519	<i>Elaeocarpus mastersii</i>	Eleaeocarpaceae	Native	Common	Tree	36760.7	20205.33	1	12
BBNC_B1 (West of Lor Sesuai)	1520	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36760.8	20196.42	3.1	25
BBNC_B1 (West of Lor Sesuai)	1521	<i>Rhodammia cinerea</i>	Myrtaceae	Native	Common	Tree	36744.29	20186.69	1	8
BBNC_B1 (West of Lor Sesuai)	1522	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36744.22	20179.3	2.4	18
BBNC_B1 (West of Lor Sesuai)	1523	<i>Elaeocarpus ferrugineus</i> subsp. <i>ferrugineus</i>	Eleaeocarpaceae	Native	Vulnerable	Tree	36738.97	20178.78	0.6	10
BBNC_B1 (West of Lor Sesuai)	1524	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36735.21	20170.16	1.6	25
BBNC_B1 (West of Lor Sesuai)	1525	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36735.44	20161.36	1.4	16
BBNC_B1 (West of Lor Sesuai)	1526	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36742.26	20162.83	1.2	16
BBNC_B1 (West of Lor Sesuai)	1527	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36742.72	20160.65	2.4	18
BBNC_B1 (West of Lor Sesuai)	1528	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36746.22	20159.97	2.6	20
BBNC_B1 (West of Lor Sesuai)	1529	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36747.04	20156.99	1.3	18
BBNC_B1 (West of Lor Sesuai)	1530	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36745.24	20162.35	2.2	20
BBNC_B1 (West of Lor Sesuai)	1531	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36744.6	20161.4	1.9	20
BBNC_B1 (West of Lor Sesuai)	1532	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36739.27	20156.26	1.8	18
BBNC_B1 (West of Lor Sesuai)	1533	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36722.91	20155.79	1.2	18
BBNC_B1 (West of Lor Sesuai)	1534	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36730.37	20149.34	1.9	20
BBNC_B1 (West of Lor Sesuai)	1536	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36728.762	20113.148	2.6	22
BBNC_B1 (West of Lor Sesuai)	1537	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36726.663	20109.801	2.7	20
BBNC_B1 (West of Lor Sesuai)	1538	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36732.54	20106.282	1.5	16
BBNC_B1 (West of Lor Sesuai)	1539	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36732.883	20113.956	3	22
BBNC_B1 (West of Lor Sesuai)	1540	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36743.35	20121.667	2.9	25
BBNC_B1 (West of Lor Sesuai)	1541	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36744.605	20123.437	1.3	18



BBNC_B1 (West of Lor Sesuai)	1542	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36743.16	20122.516	2.8	20
BBNC_B1 (West of Lor Sesuai)	1543	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36733.568	20125.884	1.7	20
BBNC_B1 (West of Lor Sesuai)	1545	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36728.211	20125.436	2.2	20
BBNC_B1 (West of Lor Sesuai)	1547	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36721.22	20128.46	2.4	20
BBNC_B1 (West of Lor Sesuai)	1548	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36718.489	20124.872	2	18
BBNC_B1 (West of Lor Sesuai)	1549	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36717.375	20124.927	1.4	18
BBNC_B1 (West of Lor Sesuai)	1550	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36704.583	20133.318	2.2	20
BBNC_B1 (West of Lor Sesuai)	1551	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36710.453	20134.869	1.3	17
BBNC_B1 (West of Lor Sesuai)	1552	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36718.503	20136.178	2.4	25
BBNC_B1 (West of Lor Sesuai)	1553	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36720.625	20144.922	1.2	18
BBNC_B1 (West of Lor Sesuai)	1554	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36714.726	20144.148	2	22
BBNC_B1 (West of Lor Sesuai)	1555	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36713.072	20149.39	2.6	25
BBNC_B1 (West of Lor Sesuai)	1556	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36715.499	20152.313	2	22
BBNC_B1 (West of Lor Sesuai)	1557	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	36714.042	20144.217	0.9	10
BBNC_B1 (West of Lor Sesuai)	1558	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36722.187	20147.201	2.7	25
BBNC_B1 (West of Lor Sesuai)	1561	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	36766.738	20140.997	1.7	16
BBNC_B1 (West of Lor Sesuai)	1563	<i>Calophyllum tetrapterum</i>	Calophyllaceae	Native	Vulnerable	Tree	36741.01	20140	0.4	5
BBNC_B1 (West of Lor Sesuai)	1564	<i>Strombosia javanica</i>	Olcaceae	Native	Vulnerable	Tree	36783.19	20171.43	0.4	6
BBNC_B1 (West of Lor Sesuai)	1567	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	36772.4	20185.45	1.3	14
BBNC_B1 (West of Lor Sesuai)	1568	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	36772.22	20182.1	1	6
BBNC_B1 (West of Lor Sesuai)	1569	<i>Adinandra dumosa</i>	Pentaphylacaceae	Native	Common	Tree	36775.27	20183.85	1	10
BBNC_B1 (West of Lor Sesuai)	1570	<i>Adinandra dumosa</i>	Pentaphylacaceae	Native	Common	Tree	36775.27	20190.72	1.3	12
BBNC_B1 (West of Lor Sesuai)	1572	<i>Gymnacranthera farquhariana var. eugeniifolia</i>	Myristicaceae	Native	Critically endangered	Tree	36778.91	20191.46	0.5	10
BBNC_B1 (West of Lor Sesuai)	1574	<i>Adinandra dumosa</i>	Pentaphylacaceae	Native	Common	Tree	36785.38	20191.13	1.8	15
BBNC_B1 (West of Lor Sesuai)	1575	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36718.48	20103.58	2.1	20
BBNC_B1 (West of Lor Sesuai)	1576	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36691.67	20090.24	2	20
BBNC_B1 (West of Lor Sesuai)	1577	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36752.2	20246.65	1	12
BBNC_B1 (West of Lor Sesuai)	1578	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36748.08	20250.61	1.4	16
BBNC_B1 (West of Lor Sesuai)	1579	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36747.58	20245.33	1	10
BBNC_B1 (West of Lor Sesuai)	1580	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36757.22	20251.44	2.2	20
BBNC_B1 (West of Lor Sesuai)	1581	<i>Strombosia javanica</i>	Olcaceae	Native	Vulnerable	Tree	36749.32	20249.29	0.5	10
BBNC_B1 (West of Lor Sesuai)	1582	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36751.99	20249.53	1.2	15
BBNC_B1 (West of Lor Sesuai)	1583	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36745.78	20248.29	1	15
BBNC_B1 (West of Lor Sesuai)	1584	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36744.96	20238.8	1	15
BBNC_B1 (West of Lor Sesuai)	1586	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36740.79	20237.9	1	10
BBNC_B1 (West of Lor Sesuai)	1587	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36740.51	20237.55	1	12
BBNC_B1 (West of Lor Sesuai)	1588	<i>Alistonia angustiloba</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36737.19	20236.54	1.1	12
BBNC_B1 (West of Lor Sesuai)	1589	<i>Alistonia cf. angustiloba</i>	Apocynaceae	Native	Common	Tree	36724.28	20238.12	1.1	15
BBNC_B1 (West of Lor Sesuai)	1590	<i>Strombosia javanica</i>	Olcaceae	Native	Vulnerable	Tree	36732.96	20238.48	0.4	8
BBNC_B1 (West of Lor Sesuai)	1591	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36724.74	20245.2	1.6	20
BBNC_B1 (West of Lor Sesuai)	1592	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	36695.28	20258.24	0.4	7
BBNC_B1 (West of Lor Sesuai)	1593	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36717.43	20240.43	2.4	22
BBNC_B1 (West of Lor Sesuai)	1594	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36709.01	20241.15	2	25
BBNC_B1 (West of Lor Sesuai)	1595	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36708.16	20262.52	1.2	18
BBNC_B1 (West of Lor Sesuai)	1596	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36703.03	20263.12	1.1	15
BBNC_B1 (West of Lor Sesuai)	1597	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36707.36	20290.02	1.1	16
BBNC_B1 (West of Lor Sesuai)	1598	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36743.46	20286.27	1.3	12
BBNC_B1 (West of Lor Sesuai)	1600	<i>Carallia suffruticosa</i>	Rhizophoraceae	Exotic	Cultivated only	Tree	36716.37	20314.5	1.1	18
BBNC_B1 (West of Lor Sesuai)	1601	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36617.41	20221.61	2	18
BBNC_B1 (West of Lor Sesuai)	1602	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36623.05	20222.19	1.6	14
BBNC_B1 (West of Lor Sesuai)	1603	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	36617.25	20232.8	1	7
BBNC_B1 (West of Lor Sesuai)	1604	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	36618.68	20236	0.5	7

BBNC_B1 (West of Lor Sesuai)	1605	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36622.32	20219.79	2.4	20
BBNC_B1 (West of Lor Sesuai)	1608	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36616.03	20220.76	1	18
BBNC_B1 (West of Lor Sesuai)	1610	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36632.55	20211.54	1.8	20
BBNC_B1 (West of Lor Sesuai)	1611	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36627.24	20215.63	2.2	15
BBNC_B1 (West of Lor Sesuai)	1612	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36640.2	20222.03	1.1	18
BBNC_B1 (West of Lor Sesuai)	1614	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36643.34	20235.39	1	20
BBNC_B1 (West of Lor Sesuai)	1615	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36645.18	20235.97	6.6	25
BBNC_B1 (West of Lor Sesuai)	1616	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36644.83	20246.07	1.3	13
BBNC_B1 (West of Lor Sesuai)	1617	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36647.2	20246.91	1.8	12
BBNC_B1 (West of Lor Sesuai)	1618	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36652.19	20246.38	1	12
BBNC_B1 (West of Lor Sesuai)	1619	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36684.44	20273.43	1.6	12
BBNC_B1 (West of Lor Sesuai)	1620	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36683.17	20272.61	1.6	18
BBNC_B1 (West of Lor Sesuai)	1621	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36688.37	20263.76	1.7	20
BBNC_B1 (West of Lor Sesuai)	1622	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36690.388	20253.857	2	15
BBNC_B1 (West of Lor Sesuai)	1623	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36677.604	20257.915	1.6	20
BBNC_B1 (West of Lor Sesuai)	1624	<i>Shorea cf. leprosula</i>	Dipterocarpaceae	Native	Vulnerable	Tree	36677.656	20256.868	1.2	20
BBNC_B1 (West of Lor Sesuai)	1625	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36676.958	20252.533	2.4	15
BBNC_B1 (West of Lor Sesuai)	1626	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	36673.87	20256.006	1	16
BBNC_B1 (West of Lor Sesuai)	1627	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36671.08	20252.777	1.2	16
BBNC_B1 (West of Lor Sesuai)	1628	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36667.533	20239.026	1	10
BBNC_B1 (West of Lor Sesuai)	1629	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36666.136	20237.189	1.4	10
BBNC_B1 (West of Lor Sesuai)	1630	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36663.424	20237.351	1.8	20
BBNC_B1 (West of Lor Sesuai)	1631	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36659.847	20237.603	1	16
BBNC_B1 (West of Lor Sesuai)	1632	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36661.937	20232.417	1	18
BBNC_B1 (West of Lor Sesuai)	1633	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36658.162	20225.967	2.5	20
BBNC_B1 (West of Lor Sesuai)	1634	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	36656.582	20221.122	0.5	16
BBNC_B1 (West of Lor Sesuai)	1635	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36649.75	20215.977	1.7	20
BBNC_B1 (West of Lor Sesuai)	1636	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36648.96	20213.168	1.7	20
BBNC_B1 (West of Lor Sesuai)	1637	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36666.493	20216.268	2.8	19
BBNC_B1 (West of Lor Sesuai)	1638	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36730.149	20378.972	1.1	15
BBNC_B1 (West of Lor Sesuai)	1639	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36744.132	20380.185	1	13
BBNC_B1 (West of Lor Sesuai)	1640	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36753.289	20386.543	1.1	14
BBNC_B1 (West of Lor Sesuai)	1641	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36762.101	20391.324	1.1	15
BBNC_B1 (West of Lor Sesuai)	1642	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36766.129	20394.139	1.1	18
BBNC_B1 (West of Lor Sesuai)	1643	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36779.943	20405.463	1.5	16
BBNC_B1 (West of Lor Sesuai)	1644	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36783.622	20402.475	1.3	14
BBNC_B1 (West of Lor Sesuai)	1645	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36790.16	20412.614	2	10
BBNC_B1 (West of Lor Sesuai)	1648	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36792.059	20423.087	1.2	18
BBNC_B1 (West of Lor Sesuai)	1649	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36786.981	20429.444	1	16
BBNC_B1 (West of Lor Sesuai)	1650	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36792.392	20433.508	1	16
BBNC_B1 (West of Lor Sesuai)	1651	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36812.419	20447.361	1.5	20
BBNC_B1 (West of Lor Sesuai)	1652	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	36815.941	20459.824	1.6	16
BBNC_B1 (West of Lor Sesuai)	1653	<i>Monocarpia maingayi</i>	Annonaceae	Native	Critically endangered	Tree	36812.052	20468.789	0.4	11
BBNC_B1 (West of Lor Sesuai)	1654	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36804.241	20468.335	2	22
BBNC_B1 (West of Lor Sesuai)	1655	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36811.186	20479.59	1.6	22
BBNC_B1 (West of Lor Sesuai)	1656	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36824.713	20475.172	2.1	20
BBNC_B1 (West of Lor Sesuai)	1658	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36824.98	20483.148	1.3	18
BBNC_B1 (West of Lor Sesuai)	1659	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36830.347	20485.613	1	15
BBNC_B1 (West of Lor Sesuai)	1660	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36827.875	20488.056	1.6	15
BBNC_B1 (West of Lor Sesuai)	1661	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36829.288	20488.316	2.6	20
BBNC_B1 (West of Lor Sesuai)	1662	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36836.481	20489.58	3	20
BBNC_B1 (West of Lor Sesuai)	1663	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36842.251	20489.68	1	16

BBNC_B1 (West of Lor Sesuai)	1701	<i>Carallia brachiata</i>	Rhizophoraceae	Native	Vulnerable	Tree	36720.1	20315.77	1.1	20
BBNC_B1 (West of Lor Sesuai)	1703	<i>Carallia brachiata</i>	Rhizophoraceae	Native	Vulnerable	Tree	36719.01	20317.55	1.1	20
BBNC_B1 (West of Lor Sesuai)	1706	<i>Carallia brachiata</i>	Rhizophoraceae	Native	Vulnerable	Tree	36723.08	20323.96	1.1	16
BBNC_B1 (West of Lor Sesuai)	1707	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36730.43	20331.63	1.3	20
BBNC_B1 (West of Lor Sesuai)	1795A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36819.48	20288.696	1.6	16
BBNC_B1 (West of Lor Sesuai)	1800A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36789.545	20251.838	1.1	12
BBNC_B1 (West of Lor Sesuai)	1800B	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36782.727	20242.691	1.6	20
BBNC_B1 (West of Lor Sesuai)	1820	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36720.649	20415.178	1.2	20
BBNC_B1 (West of Lor Sesuai)	1821	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36725.333	20417.123	2.4	20
BBNC_B1 (West of Lor Sesuai)	1824	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36745.342	20423.304	1	16
BBNC_B1 (West of Lor Sesuai)	1825	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36745.413	20424.483	1.1	16
BBNC_B1 (West of Lor Sesuai)	1826	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36747.036	20430.17	1	16
BBNC_B1 (West of Lor Sesuai)	1827	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36744.262	20433.085	1.1	10
BBNC_B1 (West of Lor Sesuai)	1829	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36757.111	20447.19	1.3	16
BBNC_B1 (West of Lor Sesuai)	1830	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36759.555	20447.25	1.4	16
BBNC_B1 (West of Lor Sesuai)	1831	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36765.476	20449.426	1.1	16
BBNC_B1 (West of Lor Sesuai)	1832	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36772.369	20458.278	1.1	18
BBNC_B1 (West of Lor Sesuai)	1833	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36775.274	20460.117	1.6	17
BBNC_B1 (West of Lor Sesuai)	1834	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36800.435	20484.838	1.3	20
BBNC_B1 (West of Lor Sesuai)	1836	<i>Strombosia javanica</i>	Olaceae	Native	Vulnerable	Tree	36800.913	20479.324	0.4	10
BBNC_B1 (West of Lor Sesuai)	1837	<i>Alstonia angustifolia</i>	Apocynaceae	Native	Common	Tree	36807.133	20485.74	2	25
BBNC_B1 (West of Lor Sesuai)	1839	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36816.786	20486.439	1.2	18
BBNC_B1 (West of Lor Sesuai)	1840	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36827.215	20494.945	1	18
BBNC_B1 (West of Lor Sesuai)	1842	<i>Macaranga cf. recurvata</i>	Euphorbiaceae	Native	Critically endangered	Tree	36838.231	20484.374	0.7	13
BBNC_B1 (West of Lor Sesuai)	1843	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36839.613	20451.515	1.9	18
BBNC_B1 (West of Lor Sesuai)	1844	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36834.688	20426.456	2.4	18
BBNC_B1 (West of Lor Sesuai)	1845	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36837.193	20428.919	1	18
BBNC_B1 (West of Lor Sesuai)	1846	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36833.302	20427.868	1	18
BBNC_B1 (West of Lor Sesuai)	1847	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36841.916	20422.534	1.1	20
BBNC_B1 (West of Lor Sesuai)	1848	<i>Alstonia angustifolia</i>	Apocynaceae	Native	Common	Tree	36852.604	20404.488	5.2	25
BBNC_B1 (West of Lor Sesuai)	1849	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36867.769	20393.457	1.2	1.8
BBNC_B1 (West of Lor Sesuai)	1850	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36872.628	20392.335	1	14
BBNC_B1 (West of Lor Sesuai)	1851	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36873.795	20394.75	1.1	19
BBNC_B1 (West of Lor Sesuai)	1852	<i>Macaranga confiera</i>	Euphorbiaceae	Native	Common	Tree	36881.253	20403.736	1.1	9
BBNC_B1 (West of Lor Sesuai)	1853	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36863.275	20383.279	1.6	18
BBNC_B1 (West of Lor Sesuai)	1854	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	36862.515	20379.657	1.1	14
BBNC_B1 (West of Lor Sesuai)	1855	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36842.46	20368.84	1.3	18
BBNC_B1 (West of Lor Sesuai)	1856	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36837.11	20363.7	1.3	10
BBNC_B1 (West of Lor Sesuai)	1857	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36839.07	20357.32	1.3	18
BBNC_B1 (West of Lor Sesuai)	1858	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36841.21	20355.01	1.8	18
BBNC_B1 (West of Lor Sesuai)	1859	<i>Gymnacranthera farquhariana var. eugeniifolia</i>	Myristicaceae	Native	Critically endangered	Tree	36835.33	20360.66	0.3	8
BBNC_B1 (West of Lor Sesuai)	1860	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36830.07	20361.86	2	20
BBNC_B1 (West of Lor Sesuai)	1861	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	36836.7	20337.49	1.3	15
BBNC_B1 (West of Lor Sesuai)	1862	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36828.01	20321.01	2.2	20
BBNC_B1 (West of Lor Sesuai)	1863	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36826.98	20320.59	3.2	18
BBNC_B1 (West of Lor Sesuai)	1864	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36807.46	20331.43	3	22
BBNC_B1 (West of Lor Sesuai)	1865	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36811.11	20351.28	2	18
BBNC_B1 (West of Lor Sesuai)	1866	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36809.75	20347.38	1.1	15
BBNC_B1 (West of Lor Sesuai)	1867	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36809.53	20353.92	1.4	16
BBNC_B1 (West of Lor Sesuai)	1868	<i>Drepananthus cf. ridleyi</i>	Annonaceae	Native	Endangered	Tree	36815.35	20368.3	0.4	6
BBNC_B1 (West of Lor Sesuai)	1869	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36818.68	20368.8	1.5	18
BBNC_B1 (West of Lor Sesuai)	1870	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36829.08	20364.28	1.1	16

BBNC_B1 (West of Lor Sesuai)	1871	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36823.11	20376.48	1.8	18
BBNC_B1 (West of Lor Sesuai)	1872	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36828.04	20381.15	1.8	20
BBNC_B1 (West of Lor Sesuai)	1873	<i>Prunus polystachya</i>	Rosaceae	Native	Common	Tree	36823.33	20377.57	1.1	15
BBNC_B1 (West of Lor Sesuai)	1874	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36829.15	20387.74	1	9
BBNC_B1 (West of Lor Sesuai)	1875	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36832	20428.03	1	18
BBNC_B1 (West of Lor Sesuai)	1876	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36816.55	20384.86	1.4	20
BBNC_B1 (West of Lor Sesuai)	1877	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36815.21	20376.03	1.8	15
BBNC_B1 (West of Lor Sesuai)	1878	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36815.29	20379.14	1	12
BBNC_B1 (West of Lor Sesuai)	1879	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36820.58	20368.79	2.6	20
BBNC_B1 (West of Lor Sesuai)	1880	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36813.99	20367.5	2	16
BBNC_B1 (West of Lor Sesuai)	1881	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36807.85	20359.82	1.1	16
BBNC_B1 (West of Lor Sesuai)	1882	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36798.07	20350.96	2.4	20
BBNC_B1 (West of Lor Sesuai)	1884	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36790.36	20360.24	3.6	20
BBNC_B1 (West of Lor Sesuai)	1885	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36800.04	20327.29	1.3	12
BBNC_B1 (West of Lor Sesuai)	1886	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36804.492	20371.141	1	18
BBNC_B1 (West of Lor Sesuai)	1887	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36807.092	20377.305	1.2	18
BBNC_B1 (West of Lor Sesuai)	1888	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36803.063	20382.219	2.4	20
BBNC_B1 (West of Lor Sesuai)	1889	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36807.994	20391.288	1.2	12
BBNC_B1 (West of Lor Sesuai)	1890	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	36813.077	20396.539	1	16
BBNC_B1 (West of Lor Sesuai)	1891	<i>Oncosperma cf. horridum</i>	Arecaceae	Native	Common	Palm	36811.498	20409.411	1.5	15
BBNC_B1 (West of Lor Sesuai)	1892	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36818.326	20416.754	1.2	18
BBNC_B1 (West of Lor Sesuai)	1893	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36811.296	20418.967	1.3	22
BBNC_B1 (West of Lor Sesuai)	1894	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36809.546	20421.144	1	20
BBNC_B1 (West of Lor Sesuai)	1895	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36806.696	20417.444	1.1	16
BBNC_B1 (West of Lor Sesuai)	1896	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36810.508	20428.182	2	15
BBNC_B1 (West of Lor Sesuai)	1897	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36834.811	20428.256	2.3	18
BBNC_B1 (West of Lor Sesuai)	1898	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36829.835	20437.959	2.2	18
BBNC_B1 (West of Lor Sesuai)	1899	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36818.998	20434.701	1.5	12
BBNC_B1 (West of Lor Sesuai)	1900	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36817.699	20433.232	1.4	16
BBNC_B1 (West of Lor Sesuai)	1923	<i>Michelia alba</i>	Magnoliaceae	Exotic	Not assessed	Tree	36804.99	20206.68	1.1	12
BBNC_B1 (West of Lor Sesuai)	1924	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36799.42	20220.08	3.6	20
BBNC_B1 (West of Lor Sesuai)	1925	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36812.81	20229.54	2.5	20
BBNC_B1 (West of Lor Sesuai)	1926	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36818.75	20243.11	2.1	20
BBNC_B1 (West of Lor Sesuai)	1927	<i>Erythrophleum suaveolens</i>	Fabaceae	Exotic	Cultivated only	Tree	36818.89	20246.92	2.1	18
BBNC_B1 (West of Lor Sesuai)	1928	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36821.2	20257.9	2.3	20
BBNC_B1 (West of Lor Sesuai)	1929	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36837.5	20248.65	1.1	12
BBNC_B1 (West of Lor Sesuai)	1930	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36860.54	20275.21	2.1	16
BBNC_B1 (West of Lor Sesuai)	1931	<i>Couroupita guianensis</i>	Lecythidaceae	Exotic	Cultivated only	Tree	36835.84	20226.72	1.1	18
BBNC_B1 (West of Lor Sesuai)	1932	<i>Amherstia nobilis</i>	Fabaceae	Exotic	Cultivated only	Tree	36836.17	20232.39	1.7	8
BBNC_B1 (West of Lor Sesuai)	1933	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36839.21	20235.01	1.7	12
BBNC_B1 (West of Lor Sesuai)	1934	<i>Dyera costulata</i>	Apocynaceae	Native	Common	Tree	36875.82	20287.18	1.4	14
BBNC_B1 (West of Lor Sesuai)	1935	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36879.2	20259.98	2	22
BBNC_B1 (West of Lor Sesuai)	1936	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36883.99	20267.7	2	22
BBNC_B1 (West of Lor Sesuai)	1937	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36877.59	20254.57	1.4	22
BBNC_B1 (West of Lor Sesuai)	1938	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36869.84	20248.59	1.3	22
BBNC_B1 (West of Lor Sesuai)	1939	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36867	20243.76	1.5	22
BBNC_B1 (West of Lor Sesuai)	1940	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36877.44	20244.09	1.9	25
BBNC_B1 (West of Lor Sesuai)	1941	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36859.47	20241.65	1.9	25
BBNC_B1 (West of Lor Sesuai)	1942	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36867.24	20233.11	2	16
BBNC_B1 (West of Lor Sesuai)	1943	<i>Alostonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36857.72	20236.95	2.5	25
BBNC_B1 (West of Lor Sesuai)	1944	<i>Cynometra ramiflora</i>	Fabaceae	Native	Critically endangered	Tree	36857.78	20213.66	1.5	8
BBNC_B1 (West of Lor Sesuai)	1945	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36863.17	20212.51	1.5	16

BBNC_B1 (West of Lor Sesuai)	1946	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36871.79	20224.25	1.6	22
BBNC_B1 (West of Lor Sesuai)	1947	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36862.47	20217.5	1.7	25
BBNC_B1 (West of Lor Sesuai)	1948	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36862.55	20207.91	1.5	25
BBNC_B1 (West of Lor Sesuai)	1949	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36863.38	20218.66	1.7	25
BBNC_B1 (West of Lor Sesuai)	1950	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36867.27	20215.13	1.9	6
BBNC_B1 (West of Lor Sesuai)	1951	<i>Saraca thaipingensis</i>	Fabaceae	Exotic	Cultivated only	Tree	36860.7	20215.32	1.6	12
BBNC_B1 (West of Lor Sesuai)	1952	<i>Saraca thaipingensis</i>	Fabaceae	Exotic	Cultivated only	Tree	36852.86	20216.61	1	8
BBNC_B1 (West of Lor Sesuai)	1953	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36847.69	20221.97	2	25
BBNC_B1 (West of Lor Sesuai)	1954	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36864.89	20208.59	1.7	25
BBNC_B1 (West of Lor Sesuai)	1955	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36856.35	20213.5	2.2	25
BBNC_B1 (West of Lor Sesuai)	1965	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36685.19	20463.24	2.7	20
BBNC_B1 (West of Lor Sesuai)	1966	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36691.65	20438.77	1.2	18
BBNC_B1 (West of Lor Sesuai)	1967	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36696.8	20439.27	2.2	22
BBNC_B1 (West of Lor Sesuai)	1968	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36687.55	20440	1.2	16
BBNC_B1 (West of Lor Sesuai)	1969	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36679.41	20448.94	1.4	12
BBNC_B1 (West of Lor Sesuai)	1970	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36684.07	20432.03	1.4	25
BBNC_B1 (West of Lor Sesuai)	1972	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36706.59	20427.7	1.4	20
BBNC_B1 (West of Lor Sesuai)	1973	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36697.08	20420.49	1	12
BBNC_B1 (West of Lor Sesuai)	1974	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36696.12	20416.5	1.2	16
BBNC_B1 (West of Lor Sesuai)	1975	<i>Alstonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36736.37	20452.15	2.4	16
BBNC_B1 (West of Lor Sesuai)	1976	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36737.31	20447.03	2	18
BBNC_B1 (West of Lor Sesuai)	1977	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36742.35	20449.28	1.1	18
BBNC_B1 (West of Lor Sesuai)	1978	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36732.43	20436.99	1	12
BBNC_B1 (West of Lor Sesuai)	1980	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36725.41	20443.73	1.6	18
BBNC_B1 (West of Lor Sesuai)	1981	<i>Palaquium obovatum</i>	Sapotaceae	Native	Vulnerable	Tree	36747.66	20449.56	1	18
BBNC_B1 (West of Lor Sesuai)	1983	<i>Sterculia cf. parviflora</i>	Malvaceae	Native	Critically endangered	Tree	36763.29	20464.99	1.5	22
BBNC_B1 (West of Lor Sesuai)	1984	<i>Horsfieldia irya</i>	Myristicaceae	Native	Critically endangered	Tree	36769.88	20467.3	1.4	18
BBNC_B1 (West of Lor Sesuai)	1985	<i>Sterculia foetida</i>	Malvaceae	Exotic	Cultivated only	Tree	36771.1	20478.55	1.3	14
BBNC_B1 (West of Lor Sesuai)	1986	<i>Azadirachta cf. indica</i>	Meliaceae	Exotic	Casual	Tree	36725.23	20435.67	1	
BBNC_B1 (West of Lor Sesuai)	1988	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36712.42	20427.77	2.6	30
BBNC_B1 (West of Lor Sesuai)	1989	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36712.45	20413.91	1.5	16
BBNC_B1 (West of Lor Sesuai)	1990	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36716.3	20423.38	1.9	20
BBNC_B1 (West of Lor Sesuai)	1991	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36701.43	20405.7	3.3	30
BBNC_B1 (West of Lor Sesuai)	1993	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36726.09	20388.72	2.4	25
BBNC_B1 (West of Lor Sesuai)	1995	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36718.71	20389.33	3.4	25
BBNC_B1 (West of Lor Sesuai)	1996	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36714.74	20375.57	1.4	16
BBNC_B1 (West of Lor Sesuai)	1997	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36718.94	20378.96	3.6	30
BBNC_B1 (West of Lor Sesuai)	1998	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36689.82	20391.89	1.8	8
BBNC_B1 (West of Lor Sesuai)	1999	<i>Dimocarpus cf. longan</i>	Sapindaceae	Exotic	Casual	Tree	36691.87	20365.14	1.7	20
BBNC_B1 (West of Lor Sesuai)	2001	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37230.571	20409.901	3	20
BBNC_B1 (West of Lor Sesuai)	2002	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37195.512	20365.365	1.1	18
BBNC_B1 (West of Lor Sesuai)	2004	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37166.481	20346.287	1.1	12
BBNC_B1 (West of Lor Sesuai)	2005	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37163.898	20341.932	1	9
BBNC_B1 (West of Lor Sesuai)	2007	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37148.003	20345.138	1.2	18
BBNC_B1 (West of Lor Sesuai)	2008	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37148.311	20345.525	1.1	18
BBNC_B1 (West of Lor Sesuai)	2009	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37160.719	20365.348	1.2	14
BBNC_B1 (West of Lor Sesuai)	2010	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37160.319	20370.281	1.2	19
BBNC_B1 (West of Lor Sesuai)	2011	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37160.964	20375.28	1.2	14
BBNC_B1 (West of Lor Sesuai)	2012	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37162.383	20386.177	1.2	14
BBNC_B1 (West of Lor Sesuai)	2013	<i>Alangium griffithii</i>	Cornaceae	Native	Endangered	Tree	37165.545	20388.956	0.6	8
BBNC_B1 (West of Lor Sesuai)	2015	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37167.086	20391.79	1.3	16
BBNC_B1 (West of Lor Sesuai)	2016	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37141.428	20396.155	1.1	16

BBNC_B1 (West of Lor Sesuai)	2017	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37137.412	20393.076	1.4	20
BBNC_B1 (West of Lor Sesuai)	2018	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37137.592	20389.45	1.1	14
BBNC_B1 (West of Lor Sesuai)	2019	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37137.45	20395.197	1.3	12
BBNC_B1 (West of Lor Sesuai)	2020	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37135.827	20399.196	1.2	18
BBNC_B1 (West of Lor Sesuai)	2021	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37123.091	20384.103	1.1	20
BBNC_B1 (West of Lor Sesuai)	2022	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37115.556	20385.266	1.2	14
BBNC_B1 (West of Lor Sesuai)	2023	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37103.108	20385.619	2.4	20
BBNC_B1 (West of Lor Sesuai)	2024	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37095.496	20389.321	2.7	14
BBNC_B1 (West of Lor Sesuai)	2025	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37091.333	20385.153	1.1	14
BBNC_B1 (West of Lor Sesuai)	2026	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	37084.176	20382.568	0.9	8
BBNC_B1 (West of Lor Sesuai)	2027	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37099.19	20377.598	1.4	8
BBNC_B1 (West of Lor Sesuai)	2031	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37098.781	20371.549	1	16
BBNC_B1 (West of Lor Sesuai)	2033	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37090.709	20367.633	4	20
BBNC_B1 (West of Lor Sesuai)	2034	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37107.919	20368.01	1.4	20
BBNC_B1 (West of Lor Sesuai)	2036	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37118.311	20375.416	1.1	12
BBNC_B1 (West of Lor Sesuai)	2037	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37125.44	20335.7	1.1	10
BBNC_B1 (West of Lor Sesuai)	2038	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37116.73	20349.88	1	15
BBNC_B1 (West of Lor Sesuai)	2039	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37115.83	20348.63	1.2	15
BBNC_B1 (West of Lor Sesuai)	2040	<i>Melicope lunu-ankenda</i>	Rutaceae	Native	Critically endangered	Tree	37120.35	20349.2	0.4	4
BBNC_B1 (West of Lor Sesuai)	2041	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37135.99	20356.17	1	15
BBNC_B1 (West of Lor Sesuai)	2043	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37146.63	20365.26	1.5	12
BBNC_B1 (West of Lor Sesuai)	2044	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37148.58	20367.57	1.3	12
BBNC_B1 (West of Lor Sesuai)	2045	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37161.77	20359.18	0.4	6
BBNC_B1 (West of Lor Sesuai)	2046	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37149.39	20380.45	1.2	12
BBNC_B1 (West of Lor Sesuai)	2047	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37159.85	20380.64	1	10
BBNC_B1 (West of Lor Sesuai)	2048	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37142.09	20379	1.8	18
BBNC_B1 (West of Lor Sesuai)	2049	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37131.39	20377.87	1	10
BBNC_B1 (West of Lor Sesuai)	2050	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37128.84	20376.97	1.4	12
BBNC_B1 (West of Lor Sesuai)	2051	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37127.01	20369.29	1.2	16
BBNC_B1 (West of Lor Sesuai)	2052	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37115.97	20359.91	1.1	12
BBNC_B1 (West of Lor Sesuai)	2053	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37109.43	20352.07	1.2	12
BBNC_B1 (West of Lor Sesuai)	2054	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37101.04	20323.44	1.4	16
BBNC_B1 (West of Lor Sesuai)	2055	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37098.61	20339.4	1.4	15
BBNC_B1 (West of Lor Sesuai)	2055A	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37096.73	20400.51	2.8	14
BBNC_B1 (West of Lor Sesuai)	2055B	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37090.2	20400.89	0.3	6
BBNC_B1 (West of Lor Sesuai)	2055C	<i>Elaeocarpus pedunculatus</i>	Elaeocarpaceae	Native	Common	Tree	37079.88	20394.52	1	12
BBNC_B1 (West of Lor Sesuai)	2056	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37080.77	20412.7	1.6	14
BBNC_B1 (West of Lor Sesuai)	2056A	<i>Palaquium cf. obovatum</i>	Sapotaceae	Native	Vulnerable	Tree	37076.34	20398.42	1.6	18
BBNC_B1 (West of Lor Sesuai)	2057	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37070.31	20431.53	1.4	12
BBNC_B1 (West of Lor Sesuai)	2058	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37070.48	20422.62	1	12
BBNC_B1 (West of Lor Sesuai)	2059	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37063.1	20432.46	1.3	10
BBNC_B1 (West of Lor Sesuai)	2059A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37055.84	20444.95	1.8	25
BBNC_B1 (West of Lor Sesuai)	2059B	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37055.45	20450.04	2.1	25
BBNC_B1 (West of Lor Sesuai)	2059C	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37057.95	20434.98	1.8	25
BBNC_B1 (West of Lor Sesuai)	2060	<i>Aidia densiflora</i>	Rubiaceae	Native	Vulnerable	Tree	37046.28	20443.3	0.5	10
BBNC_B1 (West of Lor Sesuai)	2061	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37055.94	20445.88	1.8	18
BBNC_B1 (West of Lor Sesuai)	2062	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37173.127	20347.55	1.1	16
BBNC_B1 (West of Lor Sesuai)	2063	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37174.195	20340.265	1	15
BBNC_B1 (West of Lor Sesuai)	2064	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37159.559	20330.647	1	16
BBNC_B1 (West of Lor Sesuai)	2065	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37140.008	20334.082	1.4	16
BBNC_B1 (West of Lor Sesuai)	2066	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37138.287	20328.733	1.1	16
BBNC_B1 (West of Lor Sesuai)	2067	<i>Symplocos fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	37130.057	20325.455	0.9	12

BBNC_B1 (West of Lor Sesuai)	2070	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37128.772	20304.218	2.7	20
BBNC_B1 (West of Lor Sesuai)	2071	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37132.138	20312.025	1.2	16
BBNC_B1 (West of Lor Sesuai)	2072	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37137.394	20314.983	1.4	18
BBNC_B1 (West of Lor Sesuai)	2073	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37152.961	20315.837	1	12
BBNC_B1 (West of Lor Sesuai)	2074	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37157.967	20305.872	1.2	16
BBNC_B1 (West of Lor Sesuai)	2075	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37168.487	20307.098	1.1	15
BBNC_B1 (West of Lor Sesuai)	2076	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37175.895	20305.84	1.8	22
BBNC_B1 (West of Lor Sesuai)	2077	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37179.859	20299.472	1.1	20
BBNC_B1 (West of Lor Sesuai)	2078	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37180.02	20299.635	1.2	17
BBNC_B1 (West of Lor Sesuai)	2079	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37174.303	20297.702	1.3	16
BBNC_B1 (West of Lor Sesuai)	2080	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37171.823	20294.72	2	18
BBNC_B1 (West of Lor Sesuai)	2081	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37170.566	20293.419	1.6	18
BBNC_B1 (West of Lor Sesuai)	2082	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37171.932	20283.776	1.2	18
BBNC_B1 (West of Lor Sesuai)	2083	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37168.176	20281.956	1.3	20
BBNC_B1 (West of Lor Sesuai)	2084	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37166.459	20278.909	1	18
BBNC_B1 (West of Lor Sesuai)	2085	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37164.979	20279.439	1	19
BBNC_B1 (West of Lor Sesuai)	2086	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37162.678	20280.569	2.2	20
BBNC_B1 (West of Lor Sesuai)	2087	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37142.459	20280.997	1.3	16
BBNC_B1 (West of Lor Sesuai)	2088	<i>Prunus polystachya</i>	Rosaceae	Native	Common	Tree	37126.17	20286.01	1	14
BBNC_B1 (West of Lor Sesuai)	2089	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37100.743	20297.953	1.2	17
BBNC_B1 (West of Lor Sesuai)	2090	<i>Elaeocarpus mastersii</i>	Elaeocarpaceae	Native	Common	Tree	37095.104	20301.548	1.4	8
BBNC_B1 (West of Lor Sesuai)	2091	<i>Prunus polystachya</i>	Rosaceae	Native	Common	Tree	37078.904	20303.764	1.5	8
BBNC_B1 (West of Lor Sesuai)	2091A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37055.299	20314.006	1.6	22
BBNC_B1 (West of Lor Sesuai)	2091B	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37054.565	20299.777	1.4	20
BBNC_B1 (West of Lor Sesuai)	2092	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37106.494	20286.823	1.9	16
BBNC_B1 (West of Lor Sesuai)	2093	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37063.814	20296.438	1.1	16
BBNC_B1 (West of Lor Sesuai)	2094	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37067.355	20293.765	1.6	16
BBNC_C1 (BBNP)	2161	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36675.407	20732.156	1.3	16
BBNC_C1 (BBNP)	2162	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36683.695	20741.95	1.8	10
BBNC_C1 (BBNP)	2163	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	36688.218	20753.684	1.4	14
BBNC_C1 (BBNP)	2164	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36693.001	20768.996	2.4	18
BBNC_C1 (BBNP)	2165	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36691.576	20767.859	1.3	12
BBNC_C1 (BBNP)	2166	<i>Astonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36703.712	20793.644	1	8
BBNC_C1 (BBNP)	2167	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36711.162	20806.071	1	12
BBNC_C1 (BBNP)	2168	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36723.554	20833.916	2	8
BBNC_C1 (BBNP)	2169	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36733.861	20846.494	1.1	12
BBNC_C1 (BBNP)	2170	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36757.572	20886.25	1.8	8
BBNC_C1 (BBNP)	2171	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36756.959	20887.159	2.9	14
BBNC_C1 (BBNP)	2172	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36770.351	20907.907	1.2	12
BBNC_C1 (BBNP)	2173	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36769.891	20916.66	1.1	12
BBNC_C1 (BBNP)	2174	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36778.015	20859.453	1.1	10
BBNC_C1 (BBNP)	2175	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	36776.327	20860.401	1.2	8
BBNC_C1 (BBNP)	2176	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36772.934	20856.135	2	1
BBNC_C1 (BBNP)	2177	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36774.941	20853.949	1.1	10
BBNC_C1 (BBNP)	2178	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36818.797	20811.864	2.8	16
BBNC_C1 (BBNP)	2179	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36821.554	20807.799	1.7	12
BBNC_C1 (BBNP)	2180	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36822.171	20806.313	1.2	12
BBNC_C1 (BBNP)	2181	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36807.748	20799.369	1.3	14
BBNC_C1 (BBNP)	2182	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36808.781	20796.112	1.4	14
BBNC_C1 (BBNP)	2183	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36809.715	20791.46	1.5	18
BBNC_C1 (BBNP)	2184	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36811.727	20790.092	1.1	18
BBNC_C1 (BBNP)	2185	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36806.617	20787.378	1.1	12

BBNC_C1 (BBNP)	2186	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36812.495	20787.754	1.1	16
BBNC_C1 (BBNP)	2187	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36812.876	20785.678	1.7	20
BBNC_C1 (BBNP)	2188	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36814.461	20784.064	1.3	18
BBNC_C1 (BBNP)	2189	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36805.205	20780.773	1	12
BBNC_C1 (BBNP)	2190	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36801.65	20779.353	1.3	12
BBNC_C1 (BBNP)	2191	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36799.329	20775.56	1	12
BBNC_C1 (BBNP)	2192	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36791.475	20772.383	1.2	14
BBNC_C1 (BBNP)	2193	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36783.581	20769.898	1.1	14
BBNC_C1 (BBNP)	2194	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36781.292	20775.547	1	14
BBNC_C1 (BBNP)	2195	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36780.977	20782.133	1.8	20
BBNC_C1 (BBNP)	2196	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36769.88	20785.452	1	10
BBNC_C1 (BBNP)	2197	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36772.599	20758.009	4.4	25
BBNC_C1 (BBNP)	2198	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36769.274	20756.194	3.2	20
BBNC_C1 (BBNP)	2199	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36783.91	20758.847	1	14
BBNC_C1 (BBNP)	2200	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36794.556	20761.52	1	10
BBNC_B1 (West of Lor Sesuai)	2201	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36948.74	20652.9	1	14
BBNC_C1 (BBNP)	2202	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36915.16	20644.09	2.7	16
BBNC_C1 (BBNP)	2203	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36888.15	20634.8	1.1	14
BBNC_C1 (BBNP)	2204	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36887.03	20625.23	1.2	16
BBNC_C1 (BBNP)	2205	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36871.49	20617.94	1.8	16
BBNC_C1 (BBNP)	2206	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36864.33	20615.4	1.1	16
BBNC_C1 (BBNP)	2207	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36864.19	20610.91	1.2	15
BBNC_C1 (BBNP)	2208	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36861.72	20608.47	1.5	20
BBNC_C1 (BBNP)	2209	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36857.54	20610.25	1.5	18
BBNC_C1 (BBNP)	2211	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36859.15	20605.18	2	16
BBNC_C1 (BBNP)	2212	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36847.81	20597.33	3	22
BBNC_C1 (BBNP)	2213	<i>Aidia densiflora</i>	Rubiaceae	Native	Vulnerable	Tree	36845.53	20601.92	0.4	8
BBNC_C1 (BBNP)	2214	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36841.01	20605.38	1.1	16
BBNC_C1 (BBNP)	2217	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36840.39	20607.89	1	18
BBNC_C1 (BBNP)	2218	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36840.47	20610.65	1.3	18
BBNC_C1 (BBNP)	2219	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36844.45	20617.53	1.8	12
BBNC_C1 (BBNP)	2220	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36850.06	20611.53	1.8	6
BBNC_C1 (BBNP)	2221	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36851.05	20615.78	1.5	16
BBNC_C1 (BBNP)	2222	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36830.09	20632.93	1	14
BBNC_C1 (BBNP)	2223	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36827.04	20634.47	1.2	15
BBNC_C1 (BBNP)	2224	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36833.56	20635.02	1.2	16
BBNC_C1 (BBNP)	2225	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36839.97	20643.61	1.1	15
BBNC_C1 (BBNP)	2226	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36839.86	20639.18	1.2	18
BBNC_C1 (BBNP)	2227	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36852.77	20639.94	1.4	16
BBNC_C1 (BBNP)	2228	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36877.07	20638.13	1.1	14
BBNC_C1 (BBNP)	2229	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36856.77	20645.5	3	25
BBNC_C1 (BBNP)	2230	<i>Mangifera cf. indica</i>	Anacardiaceae	Exotic	Casual	Tree	36863.4	20635.8	1.8	9
BBNC_C1 (BBNP)	2231	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36864.81	20634.53	1.2	14
BBNC_C1 (BBNP)	2232	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36864.07	20644.23	1.3	15
BBNC_C1 (BBNP)	2233	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36858.35	20646.4	1.2	18
BBNC_C1 (BBNP)	2234	<i>Camptosperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36864.03	20647.82	1	12
BBNC_C1 (BBNP)	2235	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	36864.46	20674.09	0.5	8
BBNC_C2 (BBNP)	2236	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36715.64	19953.95	1.5	12
BBNC_C2 (BBNP)	2237	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36722.53	19949.62	1.5	16
BBNC_C2 (BBNP)	2238	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36731.1	19953.28	1.5	16
BBNC_C2 (BBNP)	2239	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36733.81	19953.48	2	18
BBNC_C2 (BBNP)	2240	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36736.45	19950.81	1.8	16



BBNC_C2 (BBNP)	2241	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36744.23	19955.81	1.4	14
BBNC_C2 (BBNP)	2242	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36747.08	19949.08	1.6	11
BBNC_C2 (BBNP)	2243	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36757.65	19951.74	1	12
BBNC_C2 (BBNP)	2244	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36756.78	19954.39	1.6	16
BBNC_C2 (BBNP)	2245	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36772.75	19957.24	1.5	15
BBNC_C2 (BBNP)	2246	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36785.29	19959.23	1.4	12
BBNC_C2 (BBNP)	2247	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36793.89	19960.78	2	16
BBNC_C2 (BBNP)	2248	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36798.55	19957.38	1.1	10
BBNC_C2 (BBNP)	2249	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36808.47	19959.08	2.6	18
BBNC_C2 (BBNP)	2250	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36799.54	19977.1	1.6	16
BBNC_C2 (BBNP)	2251	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36790.93	19985.08	1.6	16
BBNC_C2 (BBNP)	2252	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36781.52	19979.9	1.6	18
BBNC_C2 (BBNP)	2253	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36765.25	19966.11	1.8	16
BBNC_C2 (BBNP)	2254	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36759.12	19974.29	1.8	15
BBNC_C2 (BBNP)	2255	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36765.59	19973.42	1.4	12
BBNC_C2 (BBNP)	2256	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36763.04	19968.64	1.7	16
BBNC_C2 (BBNP)	2257	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36755.11	19971.65	2	20
BBNC_C2 (BBNP)	2258	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36753.98	19961.54	1.2	12
BBNC_C2 (BBNP)	2259	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36745.08	19967.52	1.2	14
BBNC_C2 (BBNP)	2260	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36764.41	19968.66	2.2	20
BBNC_C2 (BBNP)	2261	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36763.44	19969.16	1.4	16
BBNC_C2 (BBNP)	2262	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36767.84	19972.87	1.4	18
BBNC_C2 (BBNP)	2263	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36767.22	19973.35	1.4	18
BBNC_C2 (BBNP)	2264	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36765.7	19985.68	2.7	20
BBNC_C2 (BBNP)	2265	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36759.48	19988.65	1.2	16
BBNC_C2 (BBNP)	2266	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36761.93	19991.16	2	18
BBNC_C2 (BBNP)	2267	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36763.56	19994.96	1.7	12
BBNC_C2 (BBNP)	2268	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36761.08	19995.9	1.3	16
BBNC_C2 (BBNP)	2269	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36761.4	19995.15	1.6	18
BBNC_C2 (BBNP)	2270	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36758.93	20002.88	3.2	22
BBNC_C2 (BBNP)	2271	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36767.55	20008.76	1.2	12
BBNC_C2 (BBNP)	2272	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36764.98	20016.68	1.1	9
BBNC_C2 (BBNP)	2273	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36770.93	20019	1.1	12
BBNC_C2 (BBNP)	2274	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36772.55	20031.11	1.4	16
BBNC_C2 (BBNP)	2275	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36768.89	20026.91	1.1	16
BBNC_C2 (BBNP)	2276	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36778.23	20034.81	1.2	16
BBNC_C2 (BBNP)	2277	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36773.23	20031.27	2.6	25
BBNC_C2 (BBNP)	2278	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36780.23	20039.39	1.8	25
BBNC_C2 (BBNP)	2279	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36788	20048.64	3.4	25
BBNC_C2 (BBNP)	2280	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	36798.71	20055.89	1.1	16
BBNC_C2 (BBNP)	2281	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36799.83	20051.25	1.8	18
BBNC_C2 (BBNP)	2282	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36808.65	20058.7	1.6	16
BBNC_C2 (BBNP)	2283	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36813.69	20058.79	1.1	12
BBNC_C2 (BBNP)	2284	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36811.15	20056.24	2	16
BBNC_C2 (BBNP)	2285	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36811.15	20057.4	1.8	22
BBNC_C2 (BBNP)	2286	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36812.77	20047.6	1.2	18
BBNC_C2 (BBNP)	2287	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36810.02	20045.97	1.4	14
BBNC_C2 (BBNP)	2288	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36819.2	20024.92	1.4	18
BBNC_C2 (BBNP)	2289	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36821.99	20024.22	1.1	16
BBNC_C2 (BBNP)	2290	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36814.02	19999.83	2.1	18
BBNC_C2 (BBNP)	2291	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36810.31	19996.28	1	18
BBNC_C2 (BBNP)	2292	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36805.94	19994.42	2.4	25

BBNC_C2 (BBNP)	2293	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36797.43	20006.02	1.7	14
BBNC_C2 (BBNP)	2294	<i>Garcinia mangostana</i>	Clusiaceae	Exotic	Casual	Tree	36798.08	20012.64	1.2	12
BBNC_C2 (BBNP)	2295	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36803.68	20019.55	4.4	25
BBNC_C2 (BBNP)	2296	<i>Garcinia mangostana</i>	Clusiaceae	Exotic	Casual	Tree	36798.24	20018.75	1.1	12
BBNC_C2 (BBNP)	2297	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36790.23	20018.27	1.3	7
BBNC_C2 (BBNP)	2298	<i>Cecropia pachystachya</i>	Urticaceae	Exotic	Naturalised	Tree	36789.34	20008.5	1.1	16
BBNC_C2 (BBNP)	2299	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36799.56	20006.59	1	15
BBNC_C2 (BBNP)	2300	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36784.77	20007.97	4.5	25
BBNC_C2 (BBNP)	2301	<i>Andira inermis</i>	Fabaceae	Exotic	Casual	Tree	36692.977	19960.566	1.1	13
BBNC_C2 (BBNP)	2302	<i>Borassus flabellifer</i>	Arecaceae	Exotic	Cultivated only	Palm	36691.734	19957.139	1.7	13
BBNC_C2 (BBNP)	2303	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36700.463	19958.909	1.5	14
BBNC_C2 (BBNP)	2304	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36716.405	19967.434	1.6	16
BBNC_C2 (BBNP)	2305	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36717.967	19966.919	2.8	22
BBNC_C2 (BBNP)	2306	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36738.912	19968.566	2.4	20
BBNC_C2 (BBNP)	2307	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36728.348	19970.429	3.2	16
BBNC_C2 (BBNP)	2308	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36738.722	19968.851	3.2	16
BBNC_C2 (BBNP)	2309	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36739.652	19967.458	1.3	12
BBNC_C2 (BBNP)	2310	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36738.771	19968.779	1.5	13
BBNC_C2 (BBNP)	2311	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36733.904	19981.413	1.4	15
BBNC_C2 (BBNP)	2312	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36737.218	19985.833	1.4	18
BBNC_C2 (BBNP)	2313	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36728.568	19996.863	1.9	12
BBNC_C2 (BBNP)	2314	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36727.706	20004.534	2.4	12
BBNC_C2 (BBNP)	2315	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36726.437	20006.106	2.7	15
BBNC_C2 (BBNP)	2316	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36748.19	20014.538	2.2	16
BBNC_C2 (BBNP)	2317	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	36750.689	20018.485	1.6	12
BBNC_C2 (BBNP)	2318	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	36755.047	20023.892	1.8	8
BBNC_C2 (BBNP)	2319	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36760.549	20051.734	1.1	9
BBNC_C2 (BBNP)	2320	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36760.239	20052.746	1.2	9
BBNC_C2 (BBNP)	2321	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36760.099	20053.2	1.1	9
BBNC_C2 (BBNP)	2322	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36767.067	20048.265	1.2	14
BBNC_C2 (BBNP)	2323	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36769.209	20051.302	1	9
BBNC_C2 (BBNP)	2324	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36769.529	20047.029	1	14
BBNC_C2 (BBNP)	2325	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36776.86	20052.132	1.8	18
BBNC_C2 (BBNP)	2326	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36781.28	20056.094	1.4	17
BBNC_C2 (BBNP)	2327	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36785.415	20072.26	1.6	10
BBNC_C2 (BBNP)	2328	<i>Dimocarpus cf. longan</i>	Sapindaceae	Exotic	Casual	Tree	36790.514	20071.055	1.7	14
BBNC_C2 (BBNP)	2329	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36793.008	20085.378	3.3	25
BBNC_C2 (BBNP)	2330	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36798.203	20093.717	2.2	22
BBNC_C2 (BBNP)	2331	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36802.171	20100.323	3	22
BBNC_C2 (BBNP)	2332	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36803.21	20096.002	1.2	14
BBNC_C2 (BBNP)	2333	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36807.018	20093.797	1.1	18
BBNC_C2 (BBNP)	2334	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36806.903	20084.916	1.1	18
BBNC_C2 (BBNP)	2335	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36809.064	20076.782	1.1	18
BBNC_C2 (BBNP)	2336	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36812.777	20078.394	1.3	20
BBNC_C2 (BBNP)	2337	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	36815.085	20095.137	1	16
BBNC_C2 (BBNP)	2338	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36812.421	20099.523	1.5	18
BBNC_C2 (BBNP)	2339	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36824.018	20038.946	2.2	20
BBNC_C2 (BBNP)	2340	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36835.639	20040.906	1.5	15
BBNC_C2 (BBNP)	2341	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36839.061	20044.658	1.3	16
BBNC_C2 (BBNP)	2342	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36834.791	20061.839	1	14
BBNC_C2 (BBNP)	2343	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36839.268	20069.236	2.4	18
BBNC_C2 (BBNP)	2344	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36838.047	20072.468	1.2	15

BBNC_C2 (BBNP)	2345	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36836.887	20077.494	1.5	12
BBNC_C2 (BBNP)	2347	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36837.484	20089.44	1.3	14
BBNC_C2 (BBNP)	2348	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36839.499	20092.271	1.3	12
BBNC_C2 (BBNP)	2349	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36829.93	20098.678	1.4	15
BBNC_C2 (BBNP)	2350	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36830.879	20093.059	2.9	20
BBNC_C2 (BBNP)	2351	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	36824.495	20086.08	1.2	20
BBNC_C2 (BBNP)	2352	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36824.361	20076.354	1	10
BBNC_C2 (BBNP)	2353	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36827.558	20074.787	1.8	20
BBNC_C2 (BBNP)	2354	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36828.937	20076.236	1.5	20
BBNC_C2 (BBNP)	2355	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36828.192	20077.04	1.2	13
BBNC_C2 (BBNP)	2356	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36825.45	20071.999	1.1	12
BBNC_C2 (BBNP)	2357	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36822.348	20058.605	1	18
BBNC_B1 (West of Lor Sesuai)	2358	<i>Alonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36698.64	19996.55	3	30
BBNC_B1 (West of Lor Sesuai)	2359	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36695.42	19995.87	1.3	25
BBNC_B1 (West of Lor Sesuai)	2360	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36693.71	19991.95	1.2	25
BBNC_B1 (West of Lor Sesuai)	2361	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36689.84	19984.95	1.2	16
BBNC_B1 (West of Lor Sesuai)	2362	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36685.85	19979.87	1.2	22
BBNC_B1 (West of Lor Sesuai)	2363	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36680.24	19972.42	1.4	25
BBNC_B1 (West of Lor Sesuai)	2364	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36678.95	19968.53	1.5	25
BBNC_B1 (West of Lor Sesuai)	2365	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36675.98	19962.69	1.5	14
BBNC_B1 (West of Lor Sesuai)	2366	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36702.5	19971.69	1.5	12
BBNC_B1 (West of Lor Sesuai)	2367	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36695.06	19971.48	1.6	25
BBNC_B1 (West of Lor Sesuai)	2368	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37049.799	20126.369	1.2	12
BBNC_B1 (West of Lor Sesuai)	2369	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37044.329	20121.336	1.8	8
BBNC_B1 (West of Lor Sesuai)	2370	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37048.131	20107.649	1.3	10
BBNC_B1 (West of Lor Sesuai)	2371	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37033.737	20100.54	1.4	12
BBNC_B1 (West of Lor Sesuai)	2372	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37034.091	20098.247	2	10
BBNC_B1 (West of Lor Sesuai)	2373	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37027.483	20089.976	1.2	16
BBNC_B1 (West of Lor Sesuai)	2373A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37021.091	20123.985	1.3	10
BBNC_B1 (West of Lor Sesuai)	2375	<i>Endospermum diadenum</i>	Euphorbiaceae	Native	Vulnerable	Tree	37049.83	20081.204	1	16
BBNC_B1 (West of Lor Sesuai)	2376	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37048.651	20069.998	2.7	30
BBNC_B1 (West of Lor Sesuai)	2377	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37042.965	20072.059	1.6	30
BBNC_B1 (West of Lor Sesuai)	2378	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37034.963	20083.331	1.1	10
BBNC_B1 (West of Lor Sesuai)	2379	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37034.921	20077.741	1.6	20
BBNC_B1 (West of Lor Sesuai)	2380	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37019.378	20077.694	2.5	30
BBNC_B1 (West of Lor Sesuai)	2381	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37013.563	20069.162	2.2	30
BBNC_B1 (West of Lor Sesuai)	2382	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37013.44	20067.046	2.7	30
BBNC_B1 (West of Lor Sesuai)	2383	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37001.685	20065.024	1.3	14
BBNC_B1 (West of Lor Sesuai)	2384	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37011.074	20058.347	1	16
BBNC_B1 (West of Lor Sesuai)	2385	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37005.982	20057.891	1.8	12
BBNC_B1 (West of Lor Sesuai)	2387	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37000.508	20048.329	1.2	14
BBNC_B1 (West of Lor Sesuai)	2388	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37010.087	20037.486	1.1	20
BBNC_B1 (West of Lor Sesuai)	2389	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37011.698	20034.75	3	30
BBNC_B1 (West of Lor Sesuai)	2390	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37045.269	20064.654	1.4	18
BBNC_B1 (West of Lor Sesuai)	2391	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36997.304	20066.746	1.1	10
BBNC_B1 (West of Lor Sesuai)	2392	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36987.873	20054.933	2	6
BBNC_B1 (West of Lor Sesuai)	2393	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37065.46	20069.09	1	10
BBNC_B1 (West of Lor Sesuai)	2394	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37079.89	20067.06	1.2	9
BBNC_B1 (West of Lor Sesuai)	2395	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37094.57	20087.95	1.2	18
BBNC_B1 (West of Lor Sesuai)	2396	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37094.97	20099.26	1.4	8
BBNC_B1 (West of Lor Sesuai)	2397	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37096.69	20096.62	2.4	10
BBNC_B1 (West of Lor Sesuai)	2398	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37093.3	20106.5	1.1	12

BBNC_B1 (West of Lor Sesuai)	2399	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37089.89	20106.88	1.3	12
BBNC_B1 (West of Lor Sesuai)	2400	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37091.6	20100.92	1.4	14
BBNC_B1 (West of Lor Sesuai)	2403A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36997.08	20559.48	1.4	14
BBNC_B1 (West of Lor Sesuai)	2403B	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36992.44	20554.85	1	20
BBNC_B1 (West of Lor Sesuai)	2404	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36998.57	20574.32	1.8	18
BBNC_B1 (West of Lor Sesuai)	2406	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36818.78	20138.63	2	14
BBNC_B1 (West of Lor Sesuai)	2407	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36836.38	20141.16	2	20
BBNC_B1 (West of Lor Sesuai)	2408	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36832.67	20136.06	1.5	15
BBNC_B1 (West of Lor Sesuai)	2409	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36833.02	20134.43	1	6
BBNC_B1 (West of Lor Sesuai)	2410	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36825.81	20129.83	1	8
BBNC_B1 (West of Lor Sesuai)	2411	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36843.66	20131.45	1.3	10
BBNC_B1 (West of Lor Sesuai)	2412	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36846.21	20129.62	1.6	10
BBNC_B1 (West of Lor Sesuai)	2413	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36860.57	20125.12	1.8	12
BBNC_B1 (West of Lor Sesuai)	2414	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36855.37	20125.04	1.1	12
BBNC_B1 (West of Lor Sesuai)	2415	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36871.08	20127.34	1.2	14
BBNC_B1 (West of Lor Sesuai)	2416	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36876.09	20133.87	1.2	16
BBNC_B1 (West of Lor Sesuai)	2417	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36877.53	20128.95	1.4	16
BBNC_B1 (West of Lor Sesuai)	2418	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36896.34	20143.19	1.1	10
BBNC_B1 (West of Lor Sesuai)	2419	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36902.28	20136.91	2	14
BBNC_B1 (West of Lor Sesuai)	2420	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36896.13	20131.16	1	12
BBNC_B1 (West of Lor Sesuai)	2421	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	36901.01	20131.79	1.6	20
BBNC_B1 (West of Lor Sesuai)	2422	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36904.65	20128.82	2	20
BBNC_B1 (West of Lor Sesuai)	2423	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36905.91	20128.45	1.5	16
BBNC_B1 (West of Lor Sesuai)	2424	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36918.05	20115.23	1.5	16
BBNC_B1 (West of Lor Sesuai)	2425	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36905.09	20102.99	1.1	10
BBNC_B1 (West of Lor Sesuai)	2426	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36882.45	20103.59	1.6	20
BBNC_B1 (West of Lor Sesuai)	2427	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36876.63	20098.73	1	10
BBNC_B1 (West of Lor Sesuai)	2428	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36866.3	20103.76	1.6	8
BBNC_B1 (West of Lor Sesuai)	2429	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36873.53	20102.51	1.5	10
BBNC_B1 (West of Lor Sesuai)	2430	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36855.26	20097.2	1.4	10
BBNC_B1 (West of Lor Sesuai)	2431	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36865.94	20099.87	1.3	20
BBNC_B1 (West of Lor Sesuai)	2432	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36864.02	20099.36	1.4	12
BBNC_B1 (West of Lor Sesuai)	2433	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36856.47	20106.15	1.1	6
BBNC_B1 (West of Lor Sesuai)	2434	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36856.86	20104.66	1.7	12
BBNC_B1 (West of Lor Sesuai)	2435	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36857.42	20104.4	1.6	16
BBNC_B1 (West of Lor Sesuai)	2436	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36848.44	20107.14	1.6	6
BBNC_B1 (West of Lor Sesuai)	2437	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36840.03	20109.35	1.6	10
BBNC_B1 (West of Lor Sesuai)	2438	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36839.72	20109.24	1.6	10
BBNC_B1 (West of Lor Sesuai)	2439	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36837.21	20110.37	1.8	12
BBNC_B1 (West of Lor Sesuai)	2440	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36838.67	20110.69	1.5	8
BBNC_B1 (West of Lor Sesuai)	2441	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36847.21	20116.95	1.7	10
BBNC_B1 (West of Lor Sesuai)	2442	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36849.19	20111.09	1.7	10
BBNC_B1 (West of Lor Sesuai)	2443	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36851.4	20121.27	1.5	16
BBNC_B1 (West of Lor Sesuai)	2444	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36847.62	20115.45	1.6	10
BBNC_B1 (West of Lor Sesuai)	2445	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36849.79	20123.6	2.2	12
BBNC_B1 (West of Lor Sesuai)	2446	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36842.02	20118.34	1.7	16
BBNC_B1 (West of Lor Sesuai)	2447	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36828.33	20111.84	1.7	16
BBNC_B1 (West of Lor Sesuai)	2448	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36838.49	20095.87	1	10
BBNC_B1 (West of Lor Sesuai)	2449	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36835.56	20094.83	1.2	14
BBNC_B1 (West of Lor Sesuai)	2450	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36840.34	20096	1.2	12
BBNC_B1 (West of Lor Sesuai)	2451	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36834.06	20109.92	1.3	12
BBNC_B1 (West of Lor Sesuai)	2452	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36836.2	20113.55	1.3	10

BBNC_B1 (West of Lor Sesuai)	2453	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36821.84	20116.79	1.5	20
BBNC_B1 (West of Lor Sesuai)	2454	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36821	20126.44	1.6	22
BBNC_B1 (West of Lor Sesuai)	2455	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	36805.41	20098.11	1.7	18
BBNC_B1 (West of Lor Sesuai)	2456	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36803.6	20103.34	1	8
BBNC_B1 (West of Lor Sesuai)	2457	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36813.8	20124.57	1.8	22
BBNC_B1 (West of Lor Sesuai)	2458	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36813.11	20126.65	1.1	18
BBNC_B1 (West of Lor Sesuai)	2459	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36810.11	20130.45	2.6	18
BBNC_B1 (West of Lor Sesuai)	2460	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36800.35	20130.48	1	12
BBNC_B1 (West of Lor Sesuai)	2461	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36795.47	20126.75	1.1	14
BBNC_B1 (West of Lor Sesuai)	2462	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36797.75	20120.48	1.5	18
BBNC_B1 (West of Lor Sesuai)	2463	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36796.05	20106.09	1.3	16
BBNC_B1 (West of Lor Sesuai)	2464	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36801.97	20169.73	1	22
BBNC_B1 (West of Lor Sesuai)	2465	<i>Dyera costulata</i>	Apocynaceae	Native	Common	Tree	36792.94	20143.64	2	25
BBNC_B1 (West of Lor Sesuai)	2466	<i>Dyera costulata</i>	Apocynaceae	Native	Common	Tree	36799.24	20144.77	1.2	25
BBNC_B1 (West of Lor Sesuai)	2467	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36792.84	20140.31	1	25
BBNC_B1 (West of Lor Sesuai)	2468	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36794.74	20140.47	1.2	25
BBNC_B1 (West of Lor Sesuai)	2469	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36786.94	20125.6	1.3	18
BBNC_B1 (West of Lor Sesuai)	2470	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36775.78	20121.86	1.7	25
BBNC_B1 (West of Lor Sesuai)	2471	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36774.8	20115.54	1.5	25
BBNC_B1 (West of Lor Sesuai)	2472	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36771.12	20117.69	1.6	30
BBNC_B1 (West of Lor Sesuai)	2473	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36768.01	20113.52	1.4	30
BBNC_B1 (West of Lor Sesuai)	2474	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36771.76	20102.18	1.3	25
BBNC_B1 (West of Lor Sesuai)	2475	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36761.5	20100.29	1.2	25
BBNC_B1 (West of Lor Sesuai)	2476	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36759.24	20096.35	1.3	25
BBNC_B1 (West of Lor Sesuai)	2477	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36754.3	20090.48	1.4	30
BBNC_B1 (West of Lor Sesuai)	2478	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36752.02	20093.96	1.2	20
BBNC_B1 (West of Lor Sesuai)	2479	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36765.17	20081.3	1	12
BBNC_B1 (West of Lor Sesuai)	2480	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36761.21	20089.48	2.6	20
BBNC_B1 (West of Lor Sesuai)	2481	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36746.68	20079.11	1	25
BBNC_B1 (West of Lor Sesuai)	2482	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	36751.41	20073.34	1.1	12
BBNC_B1 (West of Lor Sesuai)	2483	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36747.61	20078.92	1	25
BBNC_B1 (West of Lor Sesuai)	2484	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36741.19	20073.17	1.1	30
BBNC_B1 (West of Lor Sesuai)	2485	<i>Sindora wallichii</i>	Fabaceae	Native	Critically endangered	Tree	36740.58	20057.29	1.5	30
BBNC_B1 (West of Lor Sesuai)	2486	<i>Sindora wallichii</i>	Fabaceae	Native	Critically endangered	Tree	36743.83	20055.51	1.4	30
BBNC_B1 (West of Lor Sesuai)	2487	<i>Sindora wallichii</i>	Fabaceae	Native	Critically endangered	Tree	36734.58	20067.41	1.3	20
BBNC_B1 (West of Lor Sesuai)	2488	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36735.64	20047.4	1.3	25
BBNC_B1 (West of Lor Sesuai)	2489	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36719.03	20033.26	1	30
BBNC_B1 (West of Lor Sesuai)	2490	<i>Shorea ovalis</i> subsp. <i>ovalis</i>	Dipterocarpaceae	Native	Critically endangered	Tree	36716.32	20023.06	1	20
BBNC_B1 (West of Lor Sesuai)	2491A	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36694.21	20026.32	1.5	18
BBNC_B1 (West of Lor Sesuai)	2491B	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36714.01	20044.1	1.5	15
BBNC_B1 (West of Lor Sesuai)	2492	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36721.78	20032.56	5.1	25
BBNC_B1 (West of Lor Sesuai)	2493	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36710.43	20015.61	1.3	25
BBNC_B1 (West of Lor Sesuai)	2494	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36715.62	20012.37	1.3	30
BBNC_B1 (West of Lor Sesuai)	2495	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36710.15	20024.91	1.1	14
BBNC_B1 (West of Lor Sesuai)	2496	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36708.95	20009.29	1.3	30
BBNC_B1 (West of Lor Sesuai)	2497	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36706.3	20005.55	1.3	30
BBNC_B1 (West of Lor Sesuai)	2498	<i>Dryobalanops oblongifolia</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36708.51	20002.21	1	20
BBNC_B1 (West of Lor Sesuai)	2499	<i>Dryobalanops oblongifolia</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36703.64	20003.65	1.1	20
BBNC_B1 (West of Lor Sesuai)	2500	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36704.36	19999.53	1	25
BBNC_C2 (BBNP)	2501	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36820.5	19992.85	1.4	12
BBNC_C2 (BBNP)	2502	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36820.39	19987.73	1.6	18
BBNC_C2 (BBNP)	2503	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36817.9	19986.76	1.6	18

BBNC_C2 (BBNP)	2504	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	36818.92	19994.21	1	12
BBNC_C2 (BBNP)	2505	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36820	20003.54	2	8
BBNC_C2 (BBNP)	2506	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36819.43	20003.6	2	8
BBNC_C2 (BBNP)	2507	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36827.22	20020.6	1.8	18
BBNC_C2 (BBNP)	2508	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36825.98	20018.73	1.1	14
BBNC_C2 (BBNP)	2509	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36827.72	20020.65	1.2	14
BBNC_C2 (BBNP)	2510	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36831.04	20034.36	1.3	14
BBNC_B1 (West of Lor Sesuai)	2511	<i>Arthropodium jackianum</i>	Araliaceae	Native	Common	Tree	36917.74	20092.9	1	9
BBNC_B1 (West of Lor Sesuai)	2512	<i>Macaranga hypoleuca</i>	Euphorbiaceae	Native	Common	Tree	36942.41	20077.42	1.6	18
BBNC_B1 (West of Lor Sesuai)	2513	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36946.43	20086.52	1.1	18
BBNC_B1 (West of Lor Sesuai)	2514	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36939.02	20090.02	1	16
BBNC_B1 (West of Lor Sesuai)	2515	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36951.44	20088.13	1.3	10
BBNC_B1 (West of Lor Sesuai)	2516	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36958.85	20086.74	1.4	10
BBNC_B1 (West of Lor Sesuai)	2517	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36969.08	20077.48	1.5	16
BBNC_B1 (West of Lor Sesuai)	2518	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36969.4	20072.18	1	12
BBNC_B1 (West of Lor Sesuai)	2519	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36986.71	20074.94	1.4	18
BBNC_B1 (West of Lor Sesuai)	2520	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36973.12	20081.6	3.5	8
BBNC_B1 (West of Lor Sesuai)	2521	<i>Arenga pinnata</i>	Arecaceae	Exotic	Naturalised	Palm	36977.12	20087.05	1.2	8
BBNC_B1 (West of Lor Sesuai)	2522	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36974.23	20093.1	1.4	11
BBNC_B1 (West of Lor Sesuai)	2523	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36949.04	20107.92	1	12
BBNC_B1 (West of Lor Sesuai)	2524	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36944.17	20105.98	1.8	10
BBNC_B1 (West of Lor Sesuai)	2525	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36945.65	20105.47	6	18
BBNC_B1 (West of Lor Sesuai)	2525A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36947.81	20109.48	7	18
BBNC_B1 (West of Lor Sesuai)	2525B	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36947.82	20110	8	18
BBNC_B1 (West of Lor Sesuai)	2526	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36941.49	20116.49	1.6	15
BBNC_B1 (West of Lor Sesuai)	2527	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36941.03	20111.65	2.6	16
BBNC_B1 (West of Lor Sesuai)	2528	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	36919.139	20918.986	1.5	10
BBNC_B1 (West of Lor Sesuai)	2529	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36911.21	20126.46	2.7	25
BBNC_B1 (West of Lor Sesuai)	2530	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36916.34	20131.9	1.2	16
BBNC_B1 (West of Lor Sesuai)	2531	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36909.89	20135.24	1	12
BBNC_B1 (West of Lor Sesuai)	2532	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36930.74	20134.1	2.2	14
BBNC_B1 (West of Lor Sesuai)	2533	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36945.94	20136.28	1.3	14
BBNC_B1 (West of Lor Sesuai)	2534	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36955.19	20134.5	3.2	25
BBNC_B1 (West of Lor Sesuai)	2535	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36960.03	20121.07	2.8	15
BBNC_B1 (West of Lor Sesuai)	2536	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36967.51	20119.07	1.5	16
BBNC_B1 (West of Lor Sesuai)	2537	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36966.51	20129.61	2.6	18
BBNC_B1 (West of Lor Sesuai)	2538	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36971.43	20143.89	4.6	16
BBNC_B1 (West of Lor Sesuai)	2539	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36968.44	20144.59	3.5	22
BBNC_B1 (West of Lor Sesuai)	2540	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36961.22	20141.97	2.6	16
BBNC_B1 (West of Lor Sesuai)	2541	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36960.07	20156.3	2.4	18
BBNC_B1 (West of Lor Sesuai)	2542	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36967.56	20150.13	3.2	18
BBNC_B1 (West of Lor Sesuai)	2543	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36946.22	20146.79	1.6	16
BBNC_B1 (West of Lor Sesuai)	2544	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36993.739	20082.452	1.4	16
BBNC_B1 (West of Lor Sesuai)	2545	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36997.443	20080.18	2.1	30
BBNC_B1 (West of Lor Sesuai)	2546	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37001.465	20100.692	1.3	14
BBNC_B1 (West of Lor Sesuai)	2547	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37002.707	20100.428	2	16
BBNC_B1 (West of Lor Sesuai)	2548	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37005.833	20098.866	1.4	16
BBNC_B1 (West of Lor Sesuai)	2549	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37011.172	20100.864	1.2	12
BBNC_B1 (West of Lor Sesuai)	2550	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37015.068	20093.532	1.2	12
BBNC_B1 (West of Lor Sesuai)	2551	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36999.833	20108.565	1.1	14
BBNC_B1 (West of Lor Sesuai)	2552	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36949.24	20159.09	1.4	12
BBNC_B1 (West of Lor Sesuai)	2553	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36937.54	20155.59	1.6	12

BBNC_B1 (West of Lor Sesuai)	2554	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36939.88	20157.87	1	14
BBNC_B1 (West of Lor Sesuai)	2555	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36988.02	20157.67	2.5	18
BBNC_B1 (West of Lor Sesuai)	2556	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36993.7	20145.86	2.6	22
BBNC_B1 (West of Lor Sesuai)	2557	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37002.16	20172.76	1.4	14
BBNC_B1 (West of Lor Sesuai)	2558	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37006.26	20170.63	1.8	14
BBNC_B1 (West of Lor Sesuai)	2559	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36981.65	20191.71	1.1	14
BBNC_B1 (West of Lor Sesuai)	2560	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36972.45	20193.47	1.8	20
BBNC_B1 (West of Lor Sesuai)	2561	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36951.47	20187.66	1.3	18
BBNC_B1 (West of Lor Sesuai)	2562	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36952.01	20188.07	1.8	12
BBNC_B1 (West of Lor Sesuai)	2563	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36930.88	20185.04	1.4	16
BBNC_B1 (West of Lor Sesuai)	2564	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36943.34	20198.78	1.4	18
BBNC_B1 (West of Lor Sesuai)	2565	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36943.21	20202.93	1.5	8
BBNC_B1 (West of Lor Sesuai)	2566	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36962.24	20216.13	1.4	18
BBNC_B1 (West of Lor Sesuai)	2567	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36950.73	20222.94	1	16
BBNC_B1 (West of Lor Sesuai)	2568	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36945.22	20239.7	1.6	12
BBNC_B1 (West of Lor Sesuai)	2568A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36952.3	20238.43	1.2	10
BBNC_B1 (West of Lor Sesuai)	2569	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36940	20242.96	1.6	9
BBNC_B1 (West of Lor Sesuai)	2569A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36932.01	20251.57	1.2	10
BBNC_B1 (West of Lor Sesuai)	2569B	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36944	20239.85	2.6	25
BBNC_B1 (West of Lor Sesuai)	2570	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36938.02	20240.51	1.5	12
BBNC_B1 (West of Lor Sesuai)	2571	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36935.81	20241.29	1.2	12
BBNC_B1 (West of Lor Sesuai)	2572	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36927.46	20251.16	2	12
BBNC_B1 (West of Lor Sesuai)	2573	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36928.39	20246.92	1.2	12
BBNC_B1 (West of Lor Sesuai)	2573A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36926.9	20267.77	1.4	20
BBNC_B1 (West of Lor Sesuai)	2573B	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36924.39	20261.86	1.4	16
BBNC_B1 (West of Lor Sesuai)	2574	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36913.31	20245.91	1.3	16
BBNC_B1 (West of Lor Sesuai)	2575	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36904.74	20245.94	1.1	10
BBNC_B1 (West of Lor Sesuai)	2576	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36906.06	20245.34	1.3	16
BBNC_B1 (West of Lor Sesuai)	2577	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36901.36	20250.64	1.4	16
BBNC_B1 (West of Lor Sesuai)	2578	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36901	20250.17	1	16
BBNC_B1 (West of Lor Sesuai)	2578A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36907.11	20246.73	1	14
BBNC_B1 (West of Lor Sesuai)	2579	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36894.5	20248.77	1.3	16
BBNC_B1 (West of Lor Sesuai)	2580	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36896.6	20244.15	1.7	14
BBNC_B1 (West of Lor Sesuai)	2581	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36888.87	20238.07	3	18
BBNC_B1 (West of Lor Sesuai)	2582	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36898.84	20235.24	3.8	18
BBNC_B1 (West of Lor Sesuai)	2583	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36901.41	20230.28	1.6	16
BBNC_B1 (West of Lor Sesuai)	2584	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36911.88	20229.46	1.4	16
BBNC_B1 (West of Lor Sesuai)	2585	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36907.88	20239.64	1.2	16
BBNC_B1 (West of Lor Sesuai)	2586	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36916.28	20239.31	1.2	14
BBNC_B1 (West of Lor Sesuai)	2587	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36889.35	20239.4	1	16
BBNC_B1 (West of Lor Sesuai)	2588	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36890.05	20250.16	1	8
BBNC_B1 (West of Lor Sesuai)	2589	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36899.29	20265.47	1.2	14
BBNC_B1 (West of Lor Sesuai)	2590	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36909.36	20269.4	1.6	20
BBNC_B1 (West of Lor Sesuai)	2591	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36917.35	20316.28	2	8
BBNC_B1 (West of Lor Sesuai)	2592	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36935.11	20329.86	1.6	17
BBNC_B1 (West of Lor Sesuai)	2593	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36943.52	20325.63	1.5	8
BBNC_B1 (West of Lor Sesuai)	2594	<i>Syzygium cf. grande</i>	Myrtaceae	Native	Common	Tree	36943.11	20330.9	1.1	12
BBNC_B1 (West of Lor Sesuai)	2595	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36935.74	20329.14	1.7	14
BBNC_B1 (West of Lor Sesuai)	2596	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36936.87	20328.66	1	10
BBNC_B1 (West of Lor Sesuai)	2597	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36943.49	20329.71	1	12
BBNC_B1 (West of Lor Sesuai)	2598	<i>Parkia timoriana</i>	Fabaceae	Exotic	Cultivated only	Tree	36956.83	20347.9	1.7	12
BBNC_B1 (West of Lor Sesuai)	2599	<i>Parkia timoriana</i>	Fabaceae	Exotic	Cultivated only	Tree	36966.9	20362.02	1.8	10

BBNC_A2	25A	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36964.19	20778.94	1.2	14
BBNC_B1 (West of Lor Sesuai)	2600	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37019.704	20180.674	1.4	14
BBNC_B1 (West of Lor Sesuai)	2601	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37022.927	20179.406	2	10
BBNC_B1 (West of Lor Sesuai)	2602	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37036.066	20178.58	2	14
BBNC_B1 (West of Lor Sesuai)	2603	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37040.614	20164.738	1.5	14
BBNC_B1 (West of Lor Sesuai)	2604	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37066.424	20155.771	1.6	14
BBNC_B1 (West of Lor Sesuai)	2605	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37081.003	20186.103	1.4	14
BBNC_B1 (West of Lor Sesuai)	2606	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37066.566	20191.412	1.3	14
BBNC_B1 (West of Lor Sesuai)	2607	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37050.04	20201.063	2.4	16
BBNC_B1 (West of Lor Sesuai)	2608	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37038.371	20208.489	1.1	14
BBNC_B1 (West of Lor Sesuai)	2609	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37035.584	20212.097	1	12
BBNC_B1 (West of Lor Sesuai)	2610	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37038.707	20213.327	1.2	10
BBNC_B1 (West of Lor Sesuai)	2611	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37061.786	20220.924	1.1	12
BBNC_B1 (West of Lor Sesuai)	2612	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37064.06	20228.654	0.5	10
BBNC_B1 (West of Lor Sesuai)	2613	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37070.293	20223.035	1.2	12
BBNC_B1 (West of Lor Sesuai)	2615	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37072.356	20207.948	2.6	14
BBNC_B1 (West of Lor Sesuai)	2616	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37074.371	20209.086	0.7	14
BBNC_B1 (West of Lor Sesuai)	2617	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37079.289	20200.783	1.1	12
BBNC_B1 (West of Lor Sesuai)	2618	<i>Prunus polystachya</i>	Rosaceae	Native	Common	Tree	37092.402	20205.679	1.2	12
BBNC_B1 (West of Lor Sesuai)	2619	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37090.366	20222.748	1.6	16
BBNC_B1 (West of Lor Sesuai)	2620	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37092.835	20227.684	1.2	16
BBNC_B1 (West of Lor Sesuai)	2621	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37112.97	20237.059	1.6	16
BBNC_B1 (West of Lor Sesuai)	2622	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37062.166	20262.794	1.1	12
BBNC_B1 (West of Lor Sesuai)	2623	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37060.269	20266.893	1.4	12
BBNC_B1 (West of Lor Sesuai)	2624	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37070.836	20266.23	1	12
BBNC_B1 (West of Lor Sesuai)	2625	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37146.411	20121.422	1.1	16
BBNC_B1 (West of Lor Sesuai)	2626	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37158.708	20125.003	1.3	20
BBNC_B1 (West of Lor Sesuai)	2627	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37162.864	20136.62	1	17
BBNC_B1 (West of Lor Sesuai)	2628	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37165.75	20159.298	1.7	18
BBNC_B1 (West of Lor Sesuai)	2629	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37166.079	20162.559	2	13
BBNC_B1 (West of Lor Sesuai)	2630	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37172.234	20166.062	1	13
BBNC_B1 (West of Lor Sesuai)	2631	Unknown	Undetermined	Undetermined	Undetermined	Tree	37181.715	20181.162	0.5	10
BBNC_B1 (West of Lor Sesuai)	2632	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37185.331	20183.954	1.2	16
BBNC_B1 (West of Lor Sesuai)	2633	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37175.833	20191.763	1.1	16
BBNC_B1 (West of Lor Sesuai)	2635	<i>Macaranga hullettii</i>	Euphorbiaceae	Native	Critically endangered	Tree	37183.886	20212.634	0.8	6
BBNC_B1 (West of Lor Sesuai)	2636	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37179.821	20219.802	0.6	9
BBNC_B1 (West of Lor Sesuai)	2637	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37183.859	20216.975	2	18
BBNC_B1 (West of Lor Sesuai)	2638	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37178.97	20220.524	1	12
BBNC_B1 (West of Lor Sesuai)	2639	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37171.738	20223.268	1.2	15
BBNC_B1 (West of Lor Sesuai)	2640	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37182.789	20225.994	1.1	18
BBNC_B1 (West of Lor Sesuai)	2641	<i>Symplocos cf. fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	37188.618	20226.025	0.4	5
BBNC_B1 (West of Lor Sesuai)	2642	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37191.979	20227.052	1	14
BBNC_B1 (West of Lor Sesuai)	2643	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37190.675	20227.308	1	16
BBNC_B1 (West of Lor Sesuai)	2644	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37192.204	20240.44	1.1	18
BBNC_B1 (West of Lor Sesuai)	2645	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37190.212	20245.05	1	14
BBNC_B1 (West of Lor Sesuai)	2646	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37191.244	20245.603	1.2	17
BBNC_B1 (West of Lor Sesuai)	2647	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37186.752	20245.593	1.1	18
BBNC_B1 (West of Lor Sesuai)	2648	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37191.822	20255.391	1	14
BBNC_B1 (West of Lor Sesuai)	2649	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37193.999	20257.901	1.2	17
BBNC_B2 (BBNP)	2650	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37464.47	20280.99	1.4	16
BBNC_B2 (BBNP)	2651	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37470.6	20272.24	1.1	14
BBNC_B2 (BBNP)	2652	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37460.53	20276.27	1.1	14



BBNC_B2 (BBNP)	2657	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37457.79	20278.05	1.4	12
BBNC_B2 (BBNP)	2658	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37453.25	20248.01	1	12
BBNC_B2 (BBNP)	2659	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37453.98	20246.92	1	12
BBNC_B2 (BBNP)	2660	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37460.08	20247.22	1	12
BBNC_B2 (BBNP)	2661	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37483.31	20224.02	1	12
BBNC_B2 (BBNP)	2662	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37482.79	20220.29	1.2	18
BBNC_B2 (BBNP)	2663	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37479.34	20220.31	1	14
BBNC_B2 (BBNP)	2664	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37465.11	20218.56	1.5	20
BBNC_B2 (BBNP)	2665	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37467.45	20214.49	1.5	16
BBNC_B2 (BBNP)	2666	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37463.45	20217.79	1.3	16
BBNC_B2 (BBNP)	2667	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37449.88	20222.09	1	12
BBNC_B2 (BBNP)	2668	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37450.74	20221.54	1.2	12
BBNC_B2 (BBNP)	2669	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37457.91	20235.31	1.2	12
BBNC_B2 (BBNP)	2670	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37469.68	20213.53	1.4	16
BBNC_B2 (BBNP)	2671	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37466.64	20205.44	1	16
BBNC_B2 (BBNP)	2672	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37477.48	20195.75	2.6	22
BBNC_B2 (BBNP)	2673	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37481.27	20207.27	1.2	18
BBNC_B2 (BBNP)	2674	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37488.18	20215.66	1	16
BBNC_B2 (BBNP)	2675	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37463.82	20216.22	1.1	14
BBNC_B2 (BBNP)	2676	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37450.85	20226.16	1	10
BBNC_B2 (BBNP)	2677	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37440.49	20239.19	3	20
BBNC_B2 (BBNP)	2678	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37436.38	20233.01	1.2	18
BBNC_B2 (BBNP)	2679	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37442.38	20232.51	1.4	16
BBNC_B2 (BBNP)	2680	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37436.65	20233.33	2.4	14
BBNC_B2 (BBNP)	2682	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37462.96	20241.15	1.1	12
BBNC_B2 (BBNP)	2683	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37465.06	20242.26	1	12
BBNC_B2 (BBNP)	2684	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	37464.78	20243.15	1.7	20
BBNC_B2 (BBNP)	2685	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37472.67	20240.78	1.2	10
BBNC_B2 (BBNP)	2686	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37481.55	20241.2	1	14
BBNC_B2 (BBNP)	2687	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37483.03	20243.91	1	12
BBNC_B2 (BBNP)	2688	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37490.91	20245.12	1	16
BBNC_B2 (BBNP)	2689	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37487.97	20238.41	1	16
BBNC_B2 (BBNP)	2690	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37491.01	20219.55	1.1	12
BBNC_B1 (West of Lor Sesuai)	2701	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37080.83	20087.37	1.6	12
BBNC_B1 (West of Lor Sesuai)	2702	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37069.9	20079.28	1	8
BBNC_B1 (West of Lor Sesuai)	2703	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37060.22	20091.91	1.3	12
BBNC_B1 (West of Lor Sesuai)	2704	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37063.85	20097.09	1.5	14
BBNC_B1 (West of Lor Sesuai)	2705	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37053.07	20106.82	1.4	14
BBNC_B1 (West of Lor Sesuai)	2706	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37060.21	20130.81	1.4	16
BBNC_B1 (West of Lor Sesuai)	2707	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37087.33	20137.84	1.2	18
BBNC_B1 (West of Lor Sesuai)	2708	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37081.67	20144.87	1	14
BBNC_B1 (West of Lor Sesuai)	2709	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37090.27	20133.45	1	14
BBNC_B1 (West of Lor Sesuai)	2710	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37095.02	20135.17	1.1	14
BBNC_B1 (West of Lor Sesuai)	2711	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37089.92	20138.91	1.4	16
BBNC_B1 (West of Lor Sesuai)	2712	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37100.06	20136.08	1	14
BBNC_B1 (West of Lor Sesuai)	2713	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37104.08	20135.14	1	16
BBNC_B1 (West of Lor Sesuai)	2714	<i>Aidia cf. densiflora</i>	Rubiaceae	Native	Vulnerable	Tree	37110.04	20135.36	0.5	4
BBNC_B1 (West of Lor Sesuai)	2715	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37128.5	20139.19	1	16
BBNC_B1 (West of Lor Sesuai)	2716	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37122.83	20132.61	0.3	6
BBNC_B1 (West of Lor Sesuai)	2717	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37123.63	20120.45	1.3	18
BBNC_B1 (West of Lor Sesuai)	2718	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37119.63	20117.63	1	12
BBNC_B1 (West of Lor Sesuai)	2719	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37102.26	20110.97	1.1	14

BBNC_B1 (West of Lor Sesuai)	2720	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37107.79	20101.14	1	14
BBNC_B1 (West of Lor Sesuai)	2721	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37108.26	20102.09	1	14
BBNC_B1 (West of Lor Sesuai)	2722	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37107.69	20094.55	1.1	14
BBNC_B1 (West of Lor Sesuai)	2723	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37103.92	20091.76	1	18
BBNC_B1 (West of Lor Sesuai)	2724	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37105.74	20082.56	1.6	18
BBNC_B1 (West of Lor Sesuai)	2725	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37100.17	20060.23	1.2	18
BBNC_B1 (West of Lor Sesuai)	2726	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37113.58	20067.89	1.3	10
BBNC_B1 (West of Lor Sesuai)	2727	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37122.98	20073.9	1	12
BBNC_B1 (West of Lor Sesuai)	2728	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37124.38	20083.57	1.6	18
BBNC_B1 (West of Lor Sesuai)	2729	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37123.79	20090.01	1.1	16
BBNC_B1 (West of Lor Sesuai)	2730	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37122.73	20085.07	1	16
BBNC_B1 (West of Lor Sesuai)	2731	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37130.03	20095.03	1	12
BBNC_B1 (West of Lor Sesuai)	2732	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37142.11	20094.28	1.5	20
BBNC_B1 (West of Lor Sesuai)	2733	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37145.78	20089.74	1	16
BBNC_B1 (West of Lor Sesuai)	2734	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37149.8	20084.03	1.1	16
BBNC_B1 (West of Lor Sesuai)	2735	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37092.99	20071.4	1.8	30
BBNC_B1 (West of Lor Sesuai)	2736	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37148.99	20082.48	1.2	10
BBNC_B1 (West of Lor Sesuai)	2737	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37150.38	20083.89	1	18
BBNC_B1 (West of Lor Sesuai)	2738	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37139.34	20102.11	1.4	18
BBNC_B1 (West of Lor Sesuai)	2739	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37124.05	20111.68	1.1	16
BBNC_B1 (West of Lor Sesuai)	2740	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37122.74	20106.23	1.2	10
BBNC_B1 (West of Lor Sesuai)	2741	<i>Gymnacranthera farquhariana</i> var. <i>eugeniifolia</i>	Myristicaceae	Native	Critically endangered	Tree	37122.07	20109.7	0.3	6
BBNC_B1 (West of Lor Sesuai)	2742	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37130.69	20103.7	1.1	16
BBNC_B1 (West of Lor Sesuai)	2743	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37126.11	20106.66	1	16
BBNC_B1 (West of Lor Sesuai)	2744	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37132.06	20101.01	1	16
BBNC_B1 (West of Lor Sesuai)	2745	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37060.56	20036.81	1	16
BBNC_B1 (West of Lor Sesuai)	2746	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37065.59	20022.11	2	30
BBNC_B1 (West of Lor Sesuai)	2747	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37067.58	20025.36	1.2	18
BBNC_B1 (West of Lor Sesuai)	2748	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37070.91	20032.65	1.8	10
BBNC_B1 (West of Lor Sesuai)	2749	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37083.44	20023.89	2	16
BBNC_B1 (West of Lor Sesuai)	2750	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37100.02	20023.75	2.4	18
BBNC_B1 (West of Lor Sesuai)	2751	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37096.16	20023.6	1.6	14
BBNC_B1 (West of Lor Sesuai)	2752	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37109.25	20022.9	1.6	25
BBNC_B1 (West of Lor Sesuai)	2753	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37103.55	20015.99	1	10
BBNC_B1 (West of Lor Sesuai)	2754	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37105.24	20015.33	1.6	16
BBNC_B1 (West of Lor Sesuai)	2755	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37108.34	20016.09	1.8	12
BBNC_B1 (West of Lor Sesuai)	2756	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37123.39	20007.27	1.3	16
BBNC_B1 (West of Lor Sesuai)	2757	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37117.06	20024.61	1.8	8
BBNC_B1 (West of Lor Sesuai)	2758	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37169.48	20012.53	1	12
BBNC_B1 (West of Lor Sesuai)	2759	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37133.88	20035.6	1.6	20
BBNC_B1 (West of Lor Sesuai)	2760	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37138.43	20033.48	1	10
BBNC_B1 (West of Lor Sesuai)	2761	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37144.9	20035.04	1.4	20
BBNC_B1 (West of Lor Sesuai)	2762	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37180.14	20011.06	1.5	16
BBNC_B1 (West of Lor Sesuai)	2763	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37186.78	20009.31	1.4	16
BBNC_B1 (West of Lor Sesuai)	2764	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37176.17	20017.4	1	14
BBNC_B1 (West of Lor Sesuai)	2765	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37177.53	20018.52	1.8	20
BBNC_B1 (West of Lor Sesuai)	2766	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37173.38	20030.46	1	18
BBNC_B1 (West of Lor Sesuai)	2767	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37166.37	20024.76	1	12
BBNC_B1 (West of Lor Sesuai)	2768	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37167.79	20037.1	1.4	14
BBNC_B1 (West of Lor Sesuai)	2769	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37175.17	20039.48	1.6	18
BBNC_B1 (West of Lor Sesuai)	2770	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37174.39	20037.01	1.1	20
BBNC_B1 (West of Lor Sesuai)	2771	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37168.93	20051.4	1	20

BBNC_B1 (West of Lor Sesuai)	2772	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37158.06	20041.22	1.6	25
BBNC_B1 (West of Lor Sesuai)	2773	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37166.87	20054.73	1.1	14
BBNC_B1 (West of Lor Sesuai)	2774	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37170.49	20047.81	1.1	16
BBNC_B1 (West of Lor Sesuai)	2775	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37148.54	20058.16	1.6	30
BBNC_B1 (West of Lor Sesuai)	2776	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37147.88	20046.93	1.4	30
BBNC_B1 (West of Lor Sesuai)	2777	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37133.62	20054.06	1.6	20
BBNC_B1 (West of Lor Sesuai)	2778	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37139.75	20061.04	1	16
BBNC_B1 (West of Lor Sesuai)	2779	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37139.54	20062.27	1	16
BBNC_B1 (West of Lor Sesuai)	2780	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37160.02	20068.97	1.5	20
BBNC_B1 (West of Lor Sesuai)	2781	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37166.6	20069.85	1.1	12
BBNC_B1 (West of Lor Sesuai)	2782	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37160.22	20077.63	1	18
BBNC_B1 (West of Lor Sesuai)	2783	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37175.58	20077.31	1.2	14
BBNC_B1 (West of Lor Sesuai)	2784	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37180.78	20073.66	1	20
BBNC_B1 (West of Lor Sesuai)	2785	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37166.11	20091.39	3.2	30
BBNC_B1 (West of Lor Sesuai)	2786	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37173.7	20096.32	3.6	20
BBNC_B1 (West of Lor Sesuai)	2787	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37165.29	20131.09	2.5	18
BBNC_B1 (West of Lor Sesuai)	2788	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37167.77	20120.11	1.5	18
BBNC_B1 (West of Lor Sesuai)	2789	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37171.74	20115.83	1.4	16
BBNC_B1 (West of Lor Sesuai)	2790	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37171.72	20119.17	1	16
BBNC_B1 (West of Lor Sesuai)	2791	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37190.15	20136.87	1.2	16
BBNC_B1 (West of Lor Sesuai)	2792	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37191.63	20125.21	2.1	30
BBNC_B1 (West of Lor Sesuai)	2793	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37199.95	20126.29	1.4	18
BBNC_B1 (West of Lor Sesuai)	2794	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37205.33	20127.5	1.2	16
BBNC_B1 (West of Lor Sesuai)	2795	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37202.45	20130.57	0.5	8
BBNC_B1 (West of Lor Sesuai)	2796	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37212.56	20124.69	1.2	18
BBNC_B1 (West of Lor Sesuai)	2797	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37219.96	20125.29	1.3	14
BBNC_B1 (West of Lor Sesuai)	2798	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37216.43	20120.12	1	18
BBNC_B1 (West of Lor Sesuai)	2800	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37215.08	20117.5	1	18
BBNC_B1 (West of Lor Sesuai)	2801	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37206.25	20117.44	1.8	20
BBNC_B1 (West of Lor Sesuai)	2802	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37193.23	20120	3.4	25
BBNC_B1 (West of Lor Sesuai)	2803	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37188.35	20121.26	1.3	16
BBNC_B1 (West of Lor Sesuai)	2804	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37188.66	20119.43	1.4	22
BBNC_B1 (West of Lor Sesuai)	2901	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37185.129	20258.989	1.6	10
BBNC_B1 (West of Lor Sesuai)	2902	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37184.64	20258.389	1	16
BBNC_B1 (West of Lor Sesuai)	2903	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37183.827	20259.446	1	18
BBNC_B1 (West of Lor Sesuai)	2904	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37181.394	20256.916	1	16
BBNC_B1 (West of Lor Sesuai)	2905	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37178.937	20255.745	1.1	16
BBNC_B1 (West of Lor Sesuai)	2906	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37174.498	20242.892	1.4	22
BBNC_B1 (West of Lor Sesuai)	2907	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37174.089	20242.702	1.1	20
BBNC_B1 (West of Lor Sesuai)	2908	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37175.074	20240.886	1.3	20
BBNC_B1 (West of Lor Sesuai)	2909	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37167.294	20235.801	1.4	16
BBNC_B1 (West of Lor Sesuai)	2910	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37163.015	20237.308	1.8	20
BBNC_B1 (West of Lor Sesuai)	2911	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37160.335	20242.726	1.3	16
BBNC_B1 (West of Lor Sesuai)	2912	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37158.334	20242.554	1.1	18
BBNC_B1 (West of Lor Sesuai)	2913	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	37159.226	20240.21	0.4	6
BBNC_B1 (West of Lor Sesuai)	2914	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37158.262	20230.887	1.2	18
BBNC_B1 (West of Lor Sesuai)	2915	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37157.731	20219.392	1.5	20
BBNC_B1 (West of Lor Sesuai)	2916	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37154.677	20212.826	1.8	13
BBNC_B1 (West of Lor Sesuai)	2917	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37161.45	20178.84	1	16
BBNC_B1 (West of Lor Sesuai)	2918	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37161.264	20173.748	1.3	120
BBNC_B1 (West of Lor Sesuai)	2919	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37163.796	20168.311	1.4	20
BBNC_B1 (West of Lor Sesuai)	2920	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37153.482	20191.46	2.8	20

BBNC_B1 (West of Lor Sesuai)	2921	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37155.498	20168.045	1.1	18
BBNC_B1 (West of Lor Sesuai)	2922	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37154.947	20166.842	1.3	16
BBNC_B1 (West of Lor Sesuai)	2923	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37154.757	20164.146	1.4	20
BBNC_B1 (West of Lor Sesuai)	2924	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37152.42	20163.832	1	18
BBNC_B1 (West of Lor Sesuai)	2925	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37141.787	20155.213	1	16
BBNC_B1 (West of Lor Sesuai)	2926	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37162.077	20184.617	3	20
BBNC_B1 (West of Lor Sesuai)	2927	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37136.426	20155.002	1.1	18
BBNC_B1 (West of Lor Sesuai)	2928	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37128.146	20152.733	1.2	16
BBNC_B1 (West of Lor Sesuai)	2929	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37126.171	20153.601	1	16
BBNC_B1 (West of Lor Sesuai)	2930	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37125.173	20162.755	3.6	20
BBNC_B1 (West of Lor Sesuai)	2931	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37128.3	20166.97	1	9
BBNC_B1 (West of Lor Sesuai)	3001	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36842.904	20445.936	1.1	20
BBNC_B1 (West of Lor Sesuai)	3002	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36852.666	20443.878	1.1	18
BBNC_B1 (West of Lor Sesuai)	3003	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36855.388	20441.381	1.4	20
BBNC_B1 (West of Lor Sesuai)	3004	<i>Pellacalyx saccardianus</i>	Rhizophoraceae	Native	Vulnerable	Tree	36863.447	20430.977	0.5	7
BBNC_B1 (West of Lor Sesuai)	3005	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36862.286	20432.19	1.3	20
BBNC_B1 (West of Lor Sesuai)	3006	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36872.279	20429.04	1	20
BBNC_B1 (West of Lor Sesuai)	3007	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36872.798	20429.73	1	20
BBNC_B1 (West of Lor Sesuai)	3008	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36869.966	20429.742	1	18
BBNC_B1 (West of Lor Sesuai)	3009	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36868.428	20419.993	1.5	18
BBNC_B1 (West of Lor Sesuai)	3010	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36863.753	20420.197	1.4	20
BBNC_B1 (West of Lor Sesuai)	3011	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	36868.461	20418.512	1.1	10
BBNC_B1 (West of Lor Sesuai)	3012	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36875.749	20426.841	1.1	18
BBNC_B1 (West of Lor Sesuai)	3013	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36883.79	20425.627	1	16
BBNC_B1 (West of Lor Sesuai)	3015	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36880.545	20496.134	1.5	20
BBNC_B1 (West of Lor Sesuai)	3016	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36882.637	20498.419	3.6	20
BBNC_B1 (West of Lor Sesuai)	3017	<i>Palaquium obovatum</i>	Sapotaceae	Native	Vulnerable	Tree	36880.902	20496.083	1.1	18
BBNC_B1 (West of Lor Sesuai)	3018	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36893.284	20493.65	1	15
BBNC_B1 (West of Lor Sesuai)	3019	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36891.045	20496.905	2.4	20
BBNC_B1 (West of Lor Sesuai)	3020	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36890.998	20492.369	1.4	18
BBNC_B1 (West of Lor Sesuai)	3021	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36900.589	20486.301	1.8	20
BBNC_B1 (West of Lor Sesuai)	3022	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36922.851	20483.644	1	16
BBNC_B1 (West of Lor Sesuai)	3023	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36922.458	20481.187	1.1	16
BBNC_B1 (West of Lor Sesuai)	3024	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36932.913	20456.291	2.2	20
BBNC_B1 (West of Lor Sesuai)	3025	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36932.264	20447.741	1.3	15
BBNC_B1 (West of Lor Sesuai)	3026	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	36910.431	20435.264	1.1	12
BBNC_B1 (West of Lor Sesuai)	3027	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36903.93	20435.049	1.1	14
BBNC_B1 (West of Lor Sesuai)	3028	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36912.35	20446.173	1	15
BBNC_B1 (West of Lor Sesuai)	3029	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36922.151	20457.741	2	16
BBNC_B1 (West of Lor Sesuai)	3030	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36894.902	20450.644	1.3	25
BBNC_B1 (West of Lor Sesuai)	3031	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36881.49	20443.784	3.2	20
BBNC_B1 (West of Lor Sesuai)	3032	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36884.101	20451.569	1	16
BBNC_B1 (West of Lor Sesuai)	3033	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36887.219	20452.821	1.5	22
BBNC_B1 (West of Lor Sesuai)	3034	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	36883.405	20468.734	1.8	25
BBNC_B1 (West of Lor Sesuai)	3035	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36882.514	20470.646	1.2	16
BBNC_B1 (West of Lor Sesuai)	3036	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36884.208	20482.668	1.7	20
BBNC_B1 (West of Lor Sesuai)	3037	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36887.452	20480.764	1	14
BBNC_B1 (West of Lor Sesuai)	3038	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36861.013	20456.079	2.2	25
BBNC_B1 (West of Lor Sesuai)	3039	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36850.288	20456.263	1.5	22
BBNC_B1 (West of Lor Sesuai)	3040	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36851.388	20461.06	1.8	20
BBNC_B1 (West of Lor Sesuai)	3041	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36869.102	20479.001	1.6	20
BBNC_B1 (West of Lor Sesuai)	3042	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36868.103	20485.375	1.6	18

BBNC_B1 (West of Lor Sesuai)	3043	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36653.748	20449.661	2.4	20
BBNC_B1 (West of Lor Sesuai)	3044	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36659.586	20455.557	1	18
BBNC_B1 (West of Lor Sesuai)	3045	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36663.711	20455.955	2.9	18
BBNC_B1 (West of Lor Sesuai)	3046	<i>Astonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36666.814	20470.511	1.9	20
BBNC_B1 (West of Lor Sesuai)	3047	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36682.257	20459.088	3	25
BBNC_B1 (West of Lor Sesuai)	3048	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36684.917	20460.992	2.7	25
BBNC_B1 (West of Lor Sesuai)	3049	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36682.961	20466.117	1.6	15
BBNC_B1 (West of Lor Sesuai)	3050	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36686.71	20467.535	3.5	18
BBNC_B1 (West of Lor Sesuai)	3051	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36688.491	20472.816	2.8	18
BBNC_B1 (West of Lor Sesuai)	3052	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36682.218	20478.813	3	20
BBNC_B1 (West of Lor Sesuai)	3053	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	36683.585	20480.792	1.8	20
BBNC_B1 (West of Lor Sesuai)	3054	<i>Adinobotrys atropurpureus</i>	Fabaceae	Exotic	Casual	Tree	36702.356	20472.979	1.3	16
BBNC_B1 (West of Lor Sesuai)	3055	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36703.092	20467.006	1.3	16
BBNC_B1 (West of Lor Sesuai)	3056	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36707.972	20480.581	3	20
BBNC_B1 (West of Lor Sesuai)	3057	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36707.16	20485.945	2.6	20
BBNC_B1 (West of Lor Sesuai)	3058	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36702.591	20484.363	2	20
BBNC_B1 (West of Lor Sesuai)	3059	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36717.985	20487.304	2.1	20
BBNC_B1 (West of Lor Sesuai)	3060	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36717.917	20484.23	3	20
BBNC_B1 (West of Lor Sesuai)	3061	<i>Astonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36730.445	20487.21	2	18
BBNC_B1 (West of Lor Sesuai)	3062	<i>Astonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36733.622	20488.07	2.2	22
BBNC_B1 (West of Lor Sesuai)	3063	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36754.99	20506.568	2	20
BBNC_B1 (West of Lor Sesuai)	3064	<i>Shorea cf. leprosula</i>	Dipterocarpaceae	Native	Vulnerable	Tree	36758.542	20508.833	2	25
BBNC_B1 (West of Lor Sesuai)	3065	<i>Koompassia malaccensis</i>	Fabaceae	Native	Endangered	Tree	36758.792	20502.993	1	15
BBNC_B1 (West of Lor Sesuai)	3066	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36767.672	20511.977	2.2	20
BBNC_B1 (West of Lor Sesuai)	3067	<i>Koompassia cf. malaccensis</i>	Fabaceae	Native	Endangered	Tree	36762.896	20515.523	1	25
BBNC_B1 (West of Lor Sesuai)	3068	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36771.883	20516.186	2	22
BBNC_B1 (West of Lor Sesuai)	3069	<i>Koompassia malaccensis</i>	Fabaceae	Native	Endangered	Tree	36771.078	20500.861	1.5	20
BBNC_B1 (West of Lor Sesuai)	3070	<i>Shorea leprosula</i>	Dipterocarpaceae	Native	Vulnerable	Tree	36775.805	20511.836	1.5	22
BBNC_B1 (West of Lor Sesuai)	3071	<i>Erythrophleum suaveolens</i>	Fabaceae	Exotic	Cultivated only	Tree	36782.933	20505.021	2.2	22
BBNC_B1 (West of Lor Sesuai)	3072	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36782.147	20519.235	1.6	19
BBNC_B1 (West of Lor Sesuai)	3073	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36771.72	20521.537	1.3	16
BBNC_B1 (West of Lor Sesuai)	3074	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36796.958	20534.043	2.6	22
BBNC_B1 (West of Lor Sesuai)	3075	<i>Camptosperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36775.301	20533.102	2	18
BBNC_B1 (West of Lor Sesuai)	3076	<i>Pometia pinnata</i>	Sapindaceae	Native	Endangered	Tree	36795.606	20529.429	1.5	16
BBNC_B1 (West of Lor Sesuai)	3077	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	36811.891	20515.6	1.2	16
BBNC_B1 (West of Lor Sesuai)	3078	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36798.191	20542.526	2.8	20
BBNC_B1 (West of Lor Sesuai)	3079	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36798.254	20547.178	2.4	25
BBNC_B1 (West of Lor Sesuai)	3080	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36806.425	20540.428	1.4	20
BBNC_B1 (West of Lor Sesuai)	3081	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36811.095	20535.904	2.2	20
BBNC_B1 (West of Lor Sesuai)	3082	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36817.303	20536.156	1.8	20
BBNC_B1 (West of Lor Sesuai)	3083	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36813.068	20538.204	1.3	16
BBNC_B1 (West of Lor Sesuai)	3084	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36808.898	20541.76	2.2	22
BBNC_B1 (West of Lor Sesuai)	3085	<i>Horsfieldia irya</i>	Myristicaceae	Native	Critically endangered	Tree	36822.844	20522.2	1	16
BBNC_B1 (West of Lor Sesuai)	3086	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36818.814	20515.32	1.5	22
BBNC_B1 (West of Lor Sesuai)	3087	<i>Horsfieldia irya</i>	Myristicaceae	Native	Critically endangered	Tree	36810.779	20508.544	1.1	18
BBNC_B1 (West of Lor Sesuai)	3088	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36807.163	20507.303	1.5	20
BBNC_B1 (West of Lor Sesuai)	3089	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36798.303	20497.451	1.1	20
BBNC_B1 (West of Lor Sesuai)	3090	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36794.16	20493.725	1.1	20
BBNC_B1 (West of Lor Sesuai)	3091	<i>Livistona rotundifolia</i>	Arecaceae	Exotic	Casual	Palm	36773.966	20494.395	1.4	7
BBNC_B1 (West of Lor Sesuai)	3092	<i>Livistona rotundifolia</i>	Arecaceae	Exotic	Casual	Palm	36773.025	20494.443	1.4	6
BBNC_B1 (West of Lor Sesuai)	3093	<i>Palaquium obovatum</i>	Sapotaceae	Native	Vulnerable	Tree	36754.31	20474.646	1	14
BBNC_B1 (West of Lor Sesuai)	3094	<i>Palaquium obovatum</i>	Sapotaceae	Native	Vulnerable	Tree	36751.437	20472.34	1	14

BBNC_B1 (West of Lor Sesuai)	3095	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	36739.863	20467.732	1.1	13
BBNC_B1 (West of Lor Sesuai)	3101	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36693.94	20365.94	1.7	20
BBNC_B1 (West of Lor Sesuai)	3102	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36700.01	20363.94	1.3	11
BBNC_B1 (West of Lor Sesuai)	3103	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36694.78	20350.22	1.2	10
BBNC_B1 (West of Lor Sesuai)	3104	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36690.3	20346.49	1.8	20
BBNC_B1 (West of Lor Sesuai)	3105	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36695.93	20342.98	1.2	20
BBNC_B1 (West of Lor Sesuai)	3106	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36697.55	20344.16	1.3	18
BBNC_B1 (West of Lor Sesuai)	3107	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36690.3	20338.5	1.3	18
BBNC_B1 (West of Lor Sesuai)	3108	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	36703.55	20335.42	1.3	22
BBNC_B1 (West of Lor Sesuai)	3109	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36716.55	20336.94	1.5	16
BBNC_B1 (West of Lor Sesuai)	3110	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36685.61	20320.96	1.1	18
BBNC_B1 (West of Lor Sesuai)	3111	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36688.94	20336.54	2.1	20
BBNC_B1 (West of Lor Sesuai)	3112	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36697.58	20334.6	2	20
BBNC_B1 (West of Lor Sesuai)	3113	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36685.36	20362.25	1.8	20
BBNC_B1 (West of Lor Sesuai)	3114	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36682.99	20353.69	1.1	18
BBNC_B1 (West of Lor Sesuai)	3115	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36686.19	20355.79	1	19
BBNC_B1 (West of Lor Sesuai)	3116	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36681.08	20340.8	1.5	20
BBNC_B1 (West of Lor Sesuai)	3117	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36680.81	20340.7	1.6	20
BBNC_B1 (West of Lor Sesuai)	3118	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36675.81	20338.46	1	18
BBNC_B1 (West of Lor Sesuai)	3119	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36679.62	20342.23	1	20
BBNC_B1 (West of Lor Sesuai)	3120	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36678.78	20333.23	1	14
BBNC_B1 (West of Lor Sesuai)	3121	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36672.75	20330.49	1.3	20
BBNC_B1 (West of Lor Sesuai)	3122	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36675.89	20332.08	1.1	10
BBNC_B1 (West of Lor Sesuai)	3123	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36662.78	20329.93	2.5	22
BBNC_B1 (West of Lor Sesuai)	3125	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36674.61	20332.03	1	14
BBNC_B1 (West of Lor Sesuai)	3126	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36671.14	20344.03	1.1	20
BBNC_B1 (West of Lor Sesuai)	3127	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36674.88	20338.34	2.6	
BBNC_B1 (West of Lor Sesuai)	3128	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36675	20348.39	1	20
BBNC_B1 (West of Lor Sesuai)	3129	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36670.42	20363.06	2	16
BBNC_B1 (West of Lor Sesuai)	3130	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36674.17	20383.06	1.2	16
BBNC_B1 (West of Lor Sesuai)	3131	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36676.83	20395.21	1.9	20
BBNC_B1 (West of Lor Sesuai)	3133	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36678.63	20399.27	1.2	15
BBNC_B1 (West of Lor Sesuai)	3134	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36679.65	20391.79	2	10
BBNC_B1 (West of Lor Sesuai)	3135	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36679.47	20407.86	1.8	14
BBNC_B1 (West of Lor Sesuai)	3136	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36678.08	20408.07	1.4	16
BBNC_B1 (West of Lor Sesuai)	3137	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36677.51	20407.34	1.8	20
BBNC_B1 (West of Lor Sesuai)	3138	<i>Elaeocarpus mastersii</i>	Eleaocarpaceae	Native	Common	Tree	36676.34	20400.69	1.5	25
BBNC_B1 (West of Lor Sesuai)	3139	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36672.47	20404.26	1.4	18
BBNC_B1 (West of Lor Sesuai)	3140	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36676.55	20413.99	1.3	16
BBNC_B1 (West of Lor Sesuai)	3141	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36678.46	20429.42	2	18
BBNC_B1 (West of Lor Sesuai)	3142	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36682.63	20423.29	1.2	16
BBNC_B1 (West of Lor Sesuai)	3143	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36656.72	20431.86	1.6	14
BBNC_B1 (West of Lor Sesuai)	3144	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36660.32	20431.8	1.4	14
BBNC_B1 (West of Lor Sesuai)	3145	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36656.35	20432.15	1.5	18
BBNC_B1 (West of Lor Sesuai)	3146	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36650.07	20423.59	2.6	22
BBNC_B1 (West of Lor Sesuai)	3147	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36649.67	20404.68	2.5	25
BBNC_B1 (West of Lor Sesuai)	3148	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36851.32	20278.4	2	16
BBNC_B1 (West of Lor Sesuai)	3149	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36847.01	20278.41	1.1	14
BBNC_B1 (West of Lor Sesuai)	3151	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36851.48	20286.02	1.4	18
BBNC_B1 (West of Lor Sesuai)	3152	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36844.94	20281.96	1.3	16
BBNC_B1 (West of Lor Sesuai)	3153	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36866.79	20287.15	1.6	18
BBNC_B1 (West of Lor Sesuai)	3155	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36879.87	20288.08	2.4	20

BBNC_B1 (West of Lor Sesuai)	3156	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36882.12	20307.8	1.3	16
BBNC_B1 (West of Lor Sesuai)	3157	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36882.91	20301.31	2.8	20
BBNC_B1 (West of Lor Sesuai)	3158	<i>Alstonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36882.12	20298.78	1.2	16
BBNC_B1 (West of Lor Sesuai)	3159	<i>Aphananixis polystachya</i>	Meliaceae	Native	Common	Tree	36901.64	20314.59	1.4	8
BBNC_B1 (West of Lor Sesuai)	3160	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36906.33	20314.78	2.5	16
BBNC_B1 (West of Lor Sesuai)	3161	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36860.99	20324.4	2.2	20
BBNC_B1 (West of Lor Sesuai)	3162	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36869.32	20315.76	1.5	22
BBNC_B1 (West of Lor Sesuai)	3163	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36865.29	20320.62	1.8	20
BBNC_B1 (West of Lor Sesuai)	3164	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36864.19	20319.29	1.5	20
BBNC_B1 (West of Lor Sesuai)	3166	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36855.39	20334.55	2.7	25
BBNC_B1 (West of Lor Sesuai)	3167	<i>Planchonella obovata</i>	Sapotaceae	Native	Vulnerable	Tree	36858.14	20319.31	1	8
BBNC_B1 (West of Lor Sesuai)	3169	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36852.27	20301.51	1	14
BBNC_B1 (West of Lor Sesuai)	3170	<i>Alstonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	36843.84	20315.8	1.1	12
BBNC_B1 (West of Lor Sesuai)	3170A	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	36881.66	20338.01	0.8	6
BBNC_B1 (West of Lor Sesuai)	3171	<i>Sterculia parviflora</i>	Malvaceae	Native	Critically endangered	Tree	36886.2	20325.59	1.2	18
BBNC_B1 (West of Lor Sesuai)	3172	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	36897.86	20325.92	2.7	25
BBNC_B1 (West of Lor Sesuai)	3173	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36916.12	20325.54	1.8	16
BBNC_B1 (West of Lor Sesuai)	3174	<i>Mimusops elengi</i>	Sapotaceae	Exotic	Casual	Tree	36919.63	20324.26	1	18
BBNC_B1 (West of Lor Sesuai)	3175	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36924.27	20328.32	1.4	20
BBNC_B1 (West of Lor Sesuai)	3176	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	36938.15	20332.67	2.4	20
BBNC_B1 (West of Lor Sesuai)	3177	<i>Alstonia angustifolia</i>	Apocynaceae	Native	Common	Tree	36934.96	20343.67	2.4	25
BBNC_B1 (West of Lor Sesuai)	3178	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36932.63	20348.68	1.3	12
BBNC_B1 (West of Lor Sesuai)	3179	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36932.85	20349.23	1.3	18
BBNC_B1 (West of Lor Sesuai)	3180	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36927.9	20345.39	1.5	10
BBNC_B1 (West of Lor Sesuai)	3181	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36921.03	20344.56	2.8	18
BBNC_B1 (West of Lor Sesuai)	3181A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36926.87	20344.49	1	12
BBNC_B1 (West of Lor Sesuai)	3182	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36907.83	20334.44	1.9	20
BBNC_B1 (West of Lor Sesuai)	3184	<i>Anisoptera</i> cf. <i>megistocarpa</i>	Dipterocarpaceae	Native	Critically endangered	Tree	36842.12	20315.98	1	12
BBNC_B1 (West of Lor Sesuai)	3186	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36838.33	20344.16	1	16
BBNC_B1 (West of Lor Sesuai)	3187	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36852.24	20359.67	2.2	20
BBNC_B1 (West of Lor Sesuai)	3188	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	36857.68	20352.43	0.7	12
BBNC_B1 (West of Lor Sesuai)	3189	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36851.36	20352.9	1.2	16
BBNC_B1 (West of Lor Sesuai)	3190	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36853.08	20344.27	1.8	16
BBNC_C1 (BBNP)	3214	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36641.56	20559.83	1.8	18
BBNC_C1 (BBNP)	3214a	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36658.71	20546.74	1.8	20
BBNC_C1 (BBNP)	3215	<i>Strombosia javanica</i>	Oleaceae	Native	Vulnerable	Tree	36641.75	20557.97	0.6	10
BBNC_C1 (BBNP)	3216	<i>Strombosia javanica</i>	Oleaceae	Native	Vulnerable	Tree	36645.43	20558.85	0.5	10
BBNC_C1 (BBNP)	3217	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36641.62	20556.92	1.5	16
BBNC_C1 (BBNP)	3218	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36641.55	20573.72	1.3	14
BBNC_C1 (BBNP)	3219	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36641.82	20590.43	1.4	14
BBNC_C1 (BBNP)	3220	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36634.65	20588.71	1.5	14
BBNC_C1 (BBNP)	3221	<i>Nephelium</i> cf. <i>lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36633.17	20595.09	1.3	10
BBNC_C1 (BBNP)	3222	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36632.65	20598.79	1	14
BBNC_C1 (BBNP)	3223	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36636.73	20588.59	2	12
BBNC_C1 (BBNP)	3224	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36646.03	20591.16	1.4	10
BBNC_C1 (BBNP)	3225	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36645.16	20598.55	1.2	10
BBNC_C1 (BBNP)	3226	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36656.24	20585.91	1.1	10
BBNC_C1 (BBNP)	3227	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36663.86	20585.17	1.1	10
BBNC_C1 (BBNP)	3228	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36653.65	20597.47	1	12
BBNC_C1 (BBNP)	3229	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36668.51	20613.84	1	14
BBNC_C1 (BBNP)	3230	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36667.87	20614.87	1	16
BBNC_C1 (BBNP)	3231	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36671.26	20616.44	1.4	16

BBNC_C1 (BBNP)	3232	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36674.94	20622.84	2.2	14
BBNC_C1 (BBNP)	3233	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36685.25	20622.75	1.4	14
BBNC_C1 (BBNP)	3234	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36684.33	20622.89	1.5	14
BBNC_C1 (BBNP)	3235	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36682.13	20610	1	14
BBNC_C1 (BBNP)	3236	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36689.49	20611.14	1.1	16
BBNC_C1 (BBNP)	3237	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36693.53	20607.2	1	10
BBNC_C1 (BBNP)	3239	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36666.44	20623.28	2.8	20
BBNC_C1 (BBNP)	3240	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36665.66	20625.17	2.2	18
BBNC_C1 (BBNP)	3241	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36675.99	20627.04	1.4	12
BBNC_C1 (BBNP)	3242	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36698.31	20640.55	2.4	22
BBNC_C1 (BBNP)	3243	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36660.57	20644.54	2	10
BBNC_C1 (BBNP)	3244	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36686.76	20650.87	1.1	20
BBNC_C1 (BBNP)	3245	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36705.77	20662.27	1.3	16
BBNC_C1 (BBNP)	3246	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36707.93	20659.77	1.5	18
BBNC_C1 (BBNP)	3247	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36717.2	20658.39	1.3	16
BBNC_C1 (BBNP)	3248	<i>Gnetum gnemon var. gnemon</i>	Gnetaceae	Native	Critically endangered	Tree	36713.92	20655.57	1	10
BBNC_C1 (BBNP)	3249	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36721.28	20650.44	2.2	22
BBNC_C1 (BBNP)	3250	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36716.11	20648.9	1	17
BBNC_C1 (BBNP)	3251	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36716.7	20642.21	1.3	14
BBNC_C1 (BBNP)	3252	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36708.71	20664.75	2.4	10
BBNC_C1 (BBNP)	3253	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36707.49	20668.01	2.5	15
BBNC_C1 (BBNP)	3254	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36720.05	20667.01	1.8	10
BBNC_C1 (BBNP)	3255	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36728.17	20675.7	0.4	8
BBNC_C1 (BBNP)	3256	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36716.03	20684.27	1.5	12
BBNC_C1 (BBNP)	3257	<i>Hevea cf. brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36704.9	20698.16	1	10
BBNC_C1 (BBNP)	3258	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36703.44	20710.34	1.4	16
BBNC_C1 (BBNP)	3259	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36707.05	20705.2	1.3	14
BBNC_C1 (BBNP)	3260	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36696.01	20710.58	1.4	16
BBNC_C1 (BBNP)	3261	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36686.29	20714.48	1.2	14
BBNC_C1 (BBNP)	3262	<i>Strombosia javanica</i>	Olacaceae	Native	Vulnerable	Tree	36681.81	20718.3	0.3	6
BBNC_C1 (BBNP)	3263	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36686.3	20716.8	2.5	9
BBNC_C1 (BBNP)	3264	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36693.36	20713.17	3.4	18
BBNC_C1 (BBNP)	3265	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	36684.31	20726.38	1	1.9
BBNC_C1 (BBNP)	3266	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36681.65	20708.37	1.3	16
BBNC_C1 (BBNP)	3267	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36671.58	20718.15	1.3	17
BBNC_C1 (BBNP)	3268	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36690.31	20706.65	1.4	22
BBNC_C1 (BBNP)	3269	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36690.38	20709.56	1.4	16
BBNC_C1 (BBNP)	3270	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36690.61	20699.84	1.3	14
BBNC_C1 (BBNP)	3271	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36689.15	20700.06	1.2	18
BBNC_C1 (BBNP)	3272	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36689.99	20694.35	1.1	12
BBNC_C1 (BBNP)	3273	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36676.73	20689.25	1.3	13
BBNC_C1 (BBNP)	3274	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36683.77	20696.5	1.5	20
BBNC_C1 (BBNP)	3275	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36681.59	20701.9	1.5	15
BBNC_C1 (BBNP)	3276	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36678.56	20685.82	1.4	15
BBNC_C1 (BBNP)	3277	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36688.08	20689.01	1.4	18
BBNC_C1 (BBNP)	3278	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	36686.5	20679.4	1.3	18
BBNC_C1 (BBNP)	3279	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36687.32	20673.91	1.1	18
BBNC_C1 (BBNP)	3280	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36682.17	20660.8	1.2	15
BBNC_C1 (BBNP)	3281	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36674.26	20669.2	1.5	12
BBNC_C1 (BBNP)	3282	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36666.82	20677.49	1.6	6
BBNC_C1 (BBNP)	3283	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36675.88	20682.91	1.4	18
BBNC_B1 (West of Lor Sesuai)	3345	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36890.73	20547.16	2.7	20



BBNC_B1 (West of Lor Sesuai)	3346	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36891	20559.77	3.6	22
BBNC_B1 (West of Lor Sesuai)	3347	<i>Koompassia malaccensis</i>	Fabaceae	Native	Endangered	Tree	36853.39	20563.65	1	18
BBNC_B1 (West of Lor Sesuai)	3348	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36852.03	20575.42	1.3	14
BBNC_B1 (West of Lor Sesuai)	3349	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36850.78	20582.72	2.5	22
BBNC_B1 (West of Lor Sesuai)	3351	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36839.46	20571.54	1.8	22
BBNC_B1 (West of Lor Sesuai)	3352	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36839.13	20573.54	1	18
BBNC_B1 (West of Lor Sesuai)	3353	<i>Pellacalyx saccardianus</i>	Rhizophoraceae	Native	Vulnerable	Tree	36848.49	20574.47	1	14
BBNC_B1 (West of Lor Sesuai)	3354	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36827.77	20573.51	1.8	20
BBNC_B1 (West of Lor Sesuai)	3355	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36828.08	20567.77	2	20
BBNC_B1 (West of Lor Sesuai)	3358	<i>Ficus benghalensis</i>	Moraceae	Exotic	Casual	Strangler	36821.09	20546.67	1.1	13
BBNC_B1 (West of Lor Sesuai)	3360	<i>Sterculia parviflora</i>	Malvaceae	Native	Critically endangered	Tree	36832.4	20531.77	2.5	25
BBNC_B1 (West of Lor Sesuai)	3361	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36843.21	20524.53	1.3	25
BBNC_B1 (West of Lor Sesuai)	3362	<i>Hopea odorata</i>	Dipterocarpaceae	Exotic	Cultivated only	Tree	36823.87	20539.88	1.2	25
BBNC_B1 (West of Lor Sesuai)	3363	<i>Sloetia elongata</i>	Euphorbiaceae	Native	Common	Tree	36826.26	20537.95	1	16
BBNC_B1 (West of Lor Sesuai)	3364	<i>Emblica cf. officinalis</i>	Phyllanthaceae	Native	Critically endangered	Tree	36831.55	20524.46	1.2	6
BBNC_B1 (West of Lor Sesuai)	3365	<i>Xanthophyllum cf. vitellinum</i>	Polygalaceae	Native	Vulnerable	Tree	36831.08	20528.88	1	12
BBNC_B1 (West of Lor Sesuai)	3366	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36746.79	20524.54	1.2	18
BBNC_B1 (West of Lor Sesuai)	3367	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36739.8	20529.12	1.3	19
BBNC_B1 (West of Lor Sesuai)	3368	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36738.89	20520.5	1.6	18
BBNC_B1 (West of Lor Sesuai)	3369	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36738.12	20527.14	1.4	16
BBNC_B1 (West of Lor Sesuai)	3370	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36737.45	20522.72	2.4	13
BBNC_B1 (West of Lor Sesuai)	3371	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36755.09	20529.19	1.2	20
BBNC_B1 (West of Lor Sesuai)	3372	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36756.27	20530.72	1.3	20
BBNC_B1 (West of Lor Sesuai)	3373	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36753.92	20529.84	1.8	20
BBNC_B1 (West of Lor Sesuai)	3374	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36763.42	20538.18	1.5	20
BBNC_B1 (West of Lor Sesuai)	3375	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36760.44	20536.17	2	15
BBNC_B1 (West of Lor Sesuai)	3376	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36762.22	20542.97	1.1	18
BBNC_C1 (BBNP)	3377	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36671.705	20668.008	1.6	15
BBNC_C1 (BBNP)	3378	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36671.224	20665.804	1.8	14
BBNC_C1 (BBNP)	3379	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36668.884	20662.568	2	22
BBNC_C1 (BBNP)	3380	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36672.265	20658.009	1	16
BBNC_C1 (BBNP)	3381	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36683.285	20644.141	2	22
BBNC_C1 (BBNP)	3382	<i>Adenanthera pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	36688.724	20638.502	2.3	12
BBNC_C1 (BBNP)	3383	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36693.668	20633.306	4.5	20
BBNC_C1 (BBNP)	3384	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36697.378	20627.368	1	12
BBNC_C1 (BBNP)	3385	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36706.235	20615.126	1.1	12
BBNC_C1 (BBNP)	3386	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36713.866	20610.689	1.4	9
BBNC_C1 (BBNP)	3387	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36715.222	20609.619	1.6	10
BBNC_C1 (BBNP)	3388	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36716.927	20606.258	1.7	14
BBNC_C1 (BBNP)	3389	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36724.21	20601.859	1	14
BBNC_C1 (BBNP)	3390	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36727.973	20597.103	1.3	10
BBNC_C1 (BBNP)	3391	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36729.84	20601.412	1.3	10
BBNC_C1 (BBNP)	3392	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36725.906	20598.686	1.4	10
BBNC_C1 (BBNP)	3393	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	36718.612	20594.977	1.7	20
BBNC_C1 (BBNP)	3394	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36718.205	20590.539	1.8	8
BBNC_C1 (BBNP)	3395	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36722.564	20582.213	1.3	10
BBNC_C1 (BBNP)	3396	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36723.936	20576.922	2.4	22
BBNC_C1 (BBNP)	3397	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36731.315	20569.373	1.7	20
BBNC_C1 (BBNP)	3398	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36725.774	20567.989	1.3	18
BBNC_C1 (BBNP)	3399	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36739.658	20582.072	1.1	10
BBNC_A2	33A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36957.4	20777.91	1.8	18
BBNC_C1 (BBNP)	3400	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36737.807	20579.425	1.8	10

BBNC_B1 (West of Lor Sesuai)	3404A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36939.12	20434.92	1	10
BBNC_B1 (West of Lor Sesuai)	3404B	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36939.79	20432.49	1.2	22
BBNC_C1 (BBNP)	3405	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36714.82	20517.09	1.8	25
BBNC_C1 (BBNP)	3406	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	36713.91	20516.38	1.2	10
BBNC_C1 (BBNP)	3407	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36721.86	20517.7	1.8	20
BBNC_C1 (BBNP)	3408	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36716.71	20511.73	1.6	16
BBNC_C1 (BBNP)	3409	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36712.38	20515.05	1.2	10
BBNC_C1 (BBNP)	3410	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36707.43	20509.26	1.8	18
BBNC_C1 (BBNP)	3411	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36701.65	20517.03	1.1	12
BBNC_C1 (BBNP)	3412	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36696.12	20505.39	1.2	10
BBNC_C1 (BBNP)	3413	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36679.15	20524.58	1.4	16
BBNC_C1 (BBNP)	3414	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36676.79	20521.76	1	14
BBNC_C1 (BBNP)	3415	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36679.2	20520.89	2	22
BBNC_C1 (BBNP)	3416	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	36672.34	20505.35	1.2	16
BBNC_C1 (BBNP)	3417	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36674.82	20498.38	1.8	20
BBNC_C1 (BBNP)	3418	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36673.25	20500.59	1.4	18
BBNC_C1 (BBNP)	3419	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36672.99	20502.75	1.8	18
BBNC_C1 (BBNP)	3420	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36668.98	20488.66	2	20
BBNC_C1 (BBNP)	3421	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36665.16	20476.03	2	22
BBNC_C1 (BBNP)	3422	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36652.45	20468.24	2	16
BBNC_C1 (BBNP)	3423	<i>Pellacalyx saccardianus</i>	Rhizophoraceae	Native	Vulnerable	Tree	36652.83	20469.36	0.4	6
BBNC_C1 (BBNP)	3425	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36646.02	20471.56	1.4	16
BBNC_C1 (BBNP)	3426	<i>Pellacalyx saccardianus</i>	Rhizophoraceae	Native	Vulnerable	Tree	36650.98	20470.31	0.6	7
BBNC_C1 (BBNP)	3427	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36643.38	20457.22	1.3	20
BBNC_C1 (BBNP)	3428	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36641.34	20461.42	3	14
BBNC_C1 (BBNP)	3501	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36744.386	20572.73	1	12
BBNC_C1 (BBNP)	3502	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36758.803	20566.986	2	13
BBNC_C1 (BBNP)	3503	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36765.72	20563.306	1.5	19
BBNC_C1 (BBNP)	3504	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36763.98	20566.642	1.1	19
BBNC_C1 (BBNP)	3505	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36764.361	20568.721	1.2	19
BBNC_C1 (BBNP)	3506	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36770.365	20565.761	1.1	19
BBNC_C1 (BBNP)	3507	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36774.425	20572.978	1.8	20
BBNC_C1 (BBNP)	3508	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36781.71	20576.154	1.4	19
BBNC_C1 (BBNP)	3509	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36794.198	20577.689	1.3	19
BBNC_C1 (BBNP)	3510	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36789.838	20567.581	1.4	19
BBNC_C1 (BBNP)	3511	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36786.571	20557.154	1.6	9
BBNC_C1 (BBNP)	3512	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36787.379	20555.198	1	18
BBNC_C1 (BBNP)	3513	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36782.013	20549.109	1.2	18
BBNC_C1 (BBNP)	3514	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36775.167	20551.469	1	18
BBNC_C1 (BBNP)	3515	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36765.797	20547.146	1.2	18
BBNC_C1 (BBNP)	3516	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36762.26	20547.494	1.6	20
BBNC_C1 (BBNP)	3517	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36758.454	20549.242	1.1	19
BBNC_C1 (BBNP)	3518	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36747.018	20555.503	2.2	18
BBNC_C1 (BBNP)	3519	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36742.175	20550.244	2.4	18
BBNC_C1 (BBNP)	3520	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36743.846	20544.678	1.7	18
BBNC_C1 (BBNP)	3521	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36736.693	20544.966	1.5	18
BBNC_C1 (BBNP)	3522	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36737.113	20543.936	2.6	18
BBNC_C1 (BBNP)	3523	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36733.911	20545.499	1.2	16
BBNC_C1 (BBNP)	3524	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36727.895	20528.688	1.8	8
BBNC_C1 (BBNP)	3525	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36722.73	20527.136	1.2	19
BBNC_C1 (BBNP)	3526	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36727.599	20517.632	1.6	8
BBNC_C1 (BBNP)	3527	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36729.078	20510.711	1.2	18

BBNC_C1 (BBNP)	3528	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36736.285	20507.404	1.8	22
BBNC_C1 (BBNP)	3529	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36704.168	20544.716	1.7	20
BBNC_C1 (BBNP)	3530	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36704.805	20556.579	2.8	22
BBNC_C1 (BBNP)	3531	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	36709.886	20566.63	1.2	13
BBNC_C1 (BBNP)	3532	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36709.443	20586.156	1.6	10
BBNC_C1 (BBNP)	3533	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36692.06	20594.053	1	15
BBNC_C1 (BBNP)	3534	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36677.196	20574.034	1.6	10
BBNC_C1 (BBNP)	3535	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36682.158	20557.166	1	18
BBNC_C1 (BBNP)	3536	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36686.932	20556.206	1	13
BBNC_C1 (BBNP)	3537	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36688.609	20559.983	1.3	14
BBNC_C1 (BBNP)	3538	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36689.587	20561.912	1.3	16
BBNC_C1 (BBNP)	3539	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36695.45	20560.314	1.2	15
BBNC_C1 (BBNP)	3540	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	36696.509	20636.386	1.3	12
BBNC_C1 (BBNP)	3541	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36706.949	20636.626	1.4	12
BBNC_C1 (BBNP)	3542	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36707.964	20638.913	1	18
BBNC_C1 (BBNP)	3543	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36728.417	20648.014	1.7	20
BBNC_C1 (BBNP)	3544	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	36731.713	20659.865	1.3	5
BBNC_C1 (BBNP)	3545	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36735.934	20663.357	3	20
BBNC_C1 (BBNP)	3546	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	36734.675	20669.719	1.5	14
BBNC_C1 (BBNP)	3547	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36700.716	20678.313	1	12
BBNC_C1 (BBNP)	3548	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36685.868	20703.248	1	18
BBNC_C1 (BBNP)	3549	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36721.23	20691.812	1.8	20
BBNC_C1 (BBNP)	3550	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36744.276	20697.414	2.1	18
BBNC_C1 (BBNP)	3551	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36742.796	20705.179	2	12
BBNC_C1 (BBNP)	3552	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	36735.214	20714.207	1.5	12
BBNC_C1 (BBNP)	3553	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36729.145	20720.712	2.2	15
BBNC_C1 (BBNP)	3554	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36729.07	20724.811	1.8	20
BBNC_C1 (BBNP)	3555	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36721.738	20718.111	1.8	20
BBNC_C1 (BBNP)	3556	<i>Dacryodes</i> cf. <i>costata</i>	Burseraceae	Native	Endangered	Tree	36720.42	20718.28	0.3	5
BBNC_C1 (BBNP)	3557	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36714.493	20725.304	1.1	17
BBNC_C1 (BBNP)	3558	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36696.695	20727.916	1.6	18
BBNC_C1 (BBNP)	3559	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36696.172	20722.251	2.7	20
BBNC_C1 (BBNP)	3560	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36691.51	20731.416	1.1	12
BBNC_C1 (BBNP)	3590	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36763.86	20624.82	1	15
BBNC_C1 (BBNP)	3591	<i>Adenantha pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	36769.75	20631.9	1.4	15
BBNC_C1 (BBNP)	3592	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36768.66	20635.24	1.2	15
BBNC_C1 (BBNP)	3593	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	36781.29	20620.61	1.6	10
BBNC_C1 (BBNP)	3594	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36773.8	20610.29	1	14
BBNC_C1 (BBNP)	3595	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36784.17	20616.29	1.1	15
BBNC_C1 (BBNP)	3596	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36792.95	20620.49	1.3	8
BBNC_C1 (BBNP)	3597	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36806.19	20623.15	1.6	15
BBNC_C1 (BBNP)	3598	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36817.3	20609.87	1	16
BBNC_C1 (BBNP)	3599	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36802.55	20605.21	1.6	16
BBNC_C1 (BBNP)	3600	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36800.21	20608.05	1.1	14
BBNC_C1 (BBNP)	3601	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36795.74	20645.22	2.2	18
BBNC_C1 (BBNP)	3602	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36790.12	20650.32	1.7	20
BBNC_C1 (BBNP)	3603	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36799.39	20651.36	1.5	19
BBNC_C1 (BBNP)	3604	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36801.94	20651.15	1	16
BBNC_C1 (BBNP)	3605	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36806.54	20664.41	1.1	16
BBNC_C1 (BBNP)	3606	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36802.79	20657	1	16
BBNC_C1 (BBNP)	3607	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36786.16	20665.23	3	20
BBNC_C1 (BBNP)	3608	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	36776.65	20652.73	1.4	13

BBNC_C1 (BBNP)	3609	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36781.94	20656.08	1.6	20
BBNC_C1 (BBNP)	3610	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	36752.78	20646.58	1.9	18
BBNC_C1 (BBNP)	3611	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36747.46	20634.53	2	17
BBNC_C1 (BBNP)	3612	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36734.22	20645.8	1.8	20
BBNC_C1 (BBNP)	3613	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36732.15	20647.25	1.3	20
BBNC_C1 (BBNP)	3614	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	36737.54	20647.85	1.2	8
BBNC_C1 (BBNP)	3615	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36736.68	20653.46	1.4	14
BBNC_C1 (BBNP)	3616	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36736.75	20654.68	1.2	11
BBNC_C1 (BBNP)	3617	<i>Averrhoa bilimbi</i>	Oxalidaceae	Exotic	Casual	Tree	36741.13	20667.19	1	7
BBNC_C1 (BBNP)	3618	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36733.03	20664.38	2.9	20
BBNC_C1 (BBNP)	3619	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36737.36	20668.69	1.2	12
BBNC_C1 (BBNP)	3620	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36754.43	20657.8	1.3	18
BBNC_C1 (BBNP)	3621	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36769.46	20672.04	1.1	10
BBNC_C1 (BBNP)	3622	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36763.61	20677.89	1.4	22
BBNC_C1 (BBNP)	3623	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36759.93	20676.72	1.3	18
BBNC_C1 (BBNP)	3624	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36762.57	20677.16	1.8	20
BBNC_C1 (BBNP)	3625	<i>Strombosia javanica</i>	Oleaceae	Native	Vulnerable	Tree	36764.09	20672.78	0.5	12
BBNC_C1 (BBNP)	3626	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36769.79	20674.71	1.4	18
BBNC_B1 (West of Lor Sesuai)	3677A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37214.96	20433.59	1.5	22
BBNC_B1 (West of Lor Sesuai)	3683A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37184.21	20461.19	1.2	20
BBNC_B1 (West of Lor Sesuai)	3683B	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37183.22	20458.34	1	12
BBNC_C2 (BBNP)	3693	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36778	20003.84	1	14
BBNC_C2 (BBNP)	3694	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36778.25	19993.8	1	14
BBNC_C2 (BBNP)	3695	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36776.88	19996.14	1.1	10
BBNC_C2 (BBNP)	3696	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36774.48	19981.02	1.5	18
BBNC_C2 (BBNP)	3697	<i>Astonia angustiloba</i>	Apocynaceae	Native	Common	Tree	36796.41	19955.28	1.6	14
BBNC_C2 (BBNP)	3698	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Common	Tree	36810.89	19961.67	1.7	18
BBNC_C2 (BBNP)	3699	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36811.29	19976.69	1.5	18
BBNC_C2 (BBNP)	3700	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36808.55	19997.23	1.2	15
BBNC_C1 (BBNP)	3701	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36795.09	20755.704	1	14
BBNC_C1 (BBNP)	3702	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36799.554	20755.802	1	12
BBNC_C1 (BBNP)	3703	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36807.798	20759.188	1.1	12
BBNC_C1 (BBNP)	3704	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36824.942	20774.265	1.4	12
BBNC_C1 (BBNP)	3705	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36823.049	20783.045	1.4	16
BBNC_C1 (BBNP)	3706	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36820.787	20769.466	1.4	16
BBNC_C1 (BBNP)	3707	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36820.701	20762.89	1.3	25
BBNC_C1 (BBNP)	3708	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	36823.257	20764.371	2.6	25
BBNC_C1 (BBNP)	3709	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	36822.981	20757.053	1.2	20
BBNC_C1 (BBNP)	3710	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36822.268	20752.351	1.2	14
BBNC_C1 (BBNP)	3711	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36822.567	20748.389	1.6	8
BBNC_C1 (BBNP)	3712	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36817.545	20751.788	1.1	18
BBNC_C1 (BBNP)	3713	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36810.522	20746.773	2.3	16
BBNC_C1 (BBNP)	3714	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36799.49	20732.628	1.6	20
BBNC_C1 (BBNP)	3715	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36803.924	20721.713	1.4	16
BBNC_C1 (BBNP)	3716	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36806.446	20720.426	1	16
BBNC_C1 (BBNP)	3717	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36807.299	20720.148	2.6	18
BBNC_C1 (BBNP)	3718	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36807.73	20713.753	1.3	12
BBNC_C1 (BBNP)	3719	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36812.472	20728.393	1.2	16
BBNC_C1 (BBNP)	3720	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36813.224	20729.859	1	10
BBNC_C1 (BBNP)	3721	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36837.581	20740.418	1.4	14
BBNC_C1 (BBNP)	3722	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36827.541	20734.097	3.4	12
BBNC_C1 (BBNP)	3724	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36840.4	20730.739	4	30

BBNC_C1 (BBNP)	3725	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36838.656	20755.063	1	12
BBNC_C1 (BBNP)	3726	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36838.534	20755.913	1.3	16
BBNC_C1 (BBNP)	3727	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36838.022	20779.216	1	12
BBNC_C1 (BBNP)	3728	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36836.945	20780.427	1.3	16
BBNC_C1 (BBNP)	3729	<i>Macaranga griffithiana</i>	Euphorbiaceae	Exotic	Casual	Tree	36837.637	20779.65	0.4	6
BBNC_C1 (BBNP)	3730	<i>Archidendron jiringa</i>	Fabaceae	Native	Vulnerable	Tree	36833.59	20784.198	1.7	14
BBNC_C1 (BBNP)	3731	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36852.898	20778.965	1.9	14
BBNC_C1 (BBNP)	3732	<i>Artocarpus cf. heterophyllus</i>	Moraceae	Exotic	Casual	Tree	36848.894	20775.723	1.3	8
BBNC_C1 (BBNP)	3733	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36849.893	20774.97	1.2	8
BBNC_C1 (BBNP)	3734	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36854.89	20762.149	1.3	16
BBNC_C1 (BBNP)	3735	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36858.827	20760.587	2.6	14
BBNC_C1 (BBNP)	3736	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36858.047	20760.948	1.1	14
BBNC_C1 (BBNP)	3737	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36853.016	20758.78	1.2	14
BBNC_C1 (BBNP)	3738	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36863.244	20742.94	1.5	20
BBNC_C1 (BBNP)	3739	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36869.737	20746.951	1.4	14
BBNC_C1 (BBNP)	3740	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36882.098	20729.326	2.5	8
BBNC_C1 (BBNP)	3741	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36864.186	20721.796	2.5	20
BBNC_C1 (BBNP)	3742	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36855.534	20724.34	2.5	7
BBNC_C1 (BBNP)	3742A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36836.413	20719.855	3	22
BBNC_C1 (BBNP)	3743	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36834.536	20716.635	1.1	13
BBNC_C1 (BBNP)	3744	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36823.381	20715.222	1.6	15
BBNC_C1 (BBNP)	3745	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36821.06	20706.05	1.1	14
BBNC_C1 (BBNP)	3746	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36819.353	20699.837	1.8	8
BBNC_C1 (BBNP)	3747	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36822.76	20703.401	1.5	10
BBNC_C1 (BBNP)	3748	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36827.125	20705.308	1.	11
BBNC_C1 (BBNP)	3749	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36827.287	20696.207	1	12
BBNC_C1 (BBNP)	3750	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36829	20690.619	1	12
BBNC_C1 (BBNP)	3751	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36840.34	20687.357	1	9
BBNC_C1 (BBNP)	3752	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36847.687	20671.941	1	12
BBNC_C1 (BBNP)	3753	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36857.862	20674.923	4	18
BBNC_C1 (BBNP)	3754	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	36862.706	20678.529	3.4	18
BBNC_C1 (BBNP)	3755	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36857.531	20668.617	1	14
BBNC_C1 (BBNP)	3756	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36854.421	20662.828	1.1	15
BBNC_C1 (BBNP)	3757	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36852.135	20654.761	1.1	13
BBNC_C1 (BBNP)	3758	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	36852.082	20653.476	3.2	30
BBNC_C1 (BBNP)	3759	<i>Prunus polystachya</i>	Rosaceae	Native	Common	Tree	36846.231	20653.799	1.7	15
BBNC_C1 (BBNP)	3760	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36843.209	20647.733	1.2	15
BBNC_C1 (BBNP)	3761	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36834.308	20642.713	1.4	15
BBNC_C1 (BBNP)	3762	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36834.513	20646.295	1.2	13
BBNC_C1 (BBNP)	3763	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36823.29	20638.942	1.2	15
BBNC_C1 (BBNP)	3764	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36816.038	20642.793	1.6	14
BBNC_C1 (BBNP)	3765	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36814.42	20646.071	1.7	15
BBNC_C1 (BBNP)	3766	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36815.323	20651.349	1	13
BBNC_C1 (BBNP)	3767	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	36817.08	20656.092	4.2	20
BBNC_C1 (BBNP)	3768	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36811.491	20655.124	1.1	15
BBNC_C1 (BBNP)	3769	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36808.568	20650.731	1.6	15
BBNC_B1 (West of Lor Sesuai)	3770	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36850.5	20619.979	1	8
BBNC_B1 (West of Lor Sesuai)	3771	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36864.622	20613.233	1.4	18
BBNC_B1 (West of Lor Sesuai)	3772	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36866.108	20610.459	1.3	17
BBNC_B1 (West of Lor Sesuai)	3773	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36869.595	20603.914	1.6	18
BBNC_B1 (West of Lor Sesuai)	3774	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	36862.711	20596.346	1	8
BBNC_B1 (West of Lor Sesuai)	3775	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36857.958	20587.862	1	18

BBNC_B1 (West of Lor Sesuai)	3776	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36861.432	20585.132	1.3	17
BBNC_B1 (West of Lor Sesuai)	3777	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36870.286	20584.433	1.7	18
BBNC_B1 (West of Lor Sesuai)	3778	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36871.551	20587.995	1.4	18
BBNC_B1 (West of Lor Sesuai)	3779	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36875.132	20588.254	1	8
BBNC_B1 (West of Lor Sesuai)	3780	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36874.598	20592.517	1.6	17
BBNC_B1 (West of Lor Sesuai)	3781	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36875.385	20599.907	1.4	16
BBNC_B1 (West of Lor Sesuai)	3782	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36883.447	20601.589	1.5	16
BBNC_B1 (West of Lor Sesuai)	3783	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36884.04	20608.782	1.1	16
BBNC_B1 (West of Lor Sesuai)	3784	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	36891.555	20615.257	1.9	16
BBNC_A2	38A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	36996.7	20761.25	1.7	15
BBNC_A2	38B	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37001.45	20756.35	1.5	14
BBNC_A2	38C	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37009.16	20738.08	1.5	14
BBNC_A2	38D	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37018.64	20741.6	1.3	18
BBNC_A2	38E	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37021.66	20720.03	2.5	18
BBNC_B1 (West of Lor Sesuai)	3901	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37211.65	20467.34	1	10
BBNC_B1 (West of Lor Sesuai)	3902	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37211.96	20474.75	1.4	10
BBNC_B1 (West of Lor Sesuai)	3903	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37204.25	20470.62	1.6	12
BBNC_B1 (West of Lor Sesuai)	3904	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37206.47	20448.31	0.3	3
BBNC_B1 (West of Lor Sesuai)	3905	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37220.7	20442.09	2	16
BBNC_B1 (West of Lor Sesuai)	3906	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37222.74	20439.6	1.1	16
BBNC_B1 (West of Lor Sesuai)	3907	<i>Symplocos fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	37229.02	20444.13	0.6	5
BBNC_B1 (West of Lor Sesuai)	3908	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37201.75	20491.03	3.2	20
BBNC_B1 (West of Lor Sesuai)	3909	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37197.03	20493.94	2.6	20
BBNC_B1 (West of Lor Sesuai)	3910	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37194.94	20498.62	0.3	8
BBNC_B1 (West of Lor Sesuai)	3911	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37182.14	20496.05	1	12
BBNC_B1 (West of Lor Sesuai)	3912	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37182.07	20494	1	8
BBNC_B1 (West of Lor Sesuai)	3913	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37181.11	20489.94	1.2	20
BBNC_B1 (West of Lor Sesuai)	3914	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37175.08	20488.47	1.2	8
BBNC_B1 (West of Lor Sesuai)	3914A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37160.66	20444.46	2	20
BBNC_B1 (West of Lor Sesuai)	3915	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37176.07	20449.22	1	14
BBNC_B1 (West of Lor Sesuai)	3916	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37168.91	20447.36	1.1	12
BBNC_B1 (West of Lor Sesuai)	3916A	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37176.24	20448.74	1.2	12
BBNC_B1 (West of Lor Sesuai)	3916B	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37160.45	20448.06	1.3	12
BBNC_B1 (West of Lor Sesuai)	3917	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37163.75	20443.78	0.4	8
BBNC_B1 (West of Lor Sesuai)	3919	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37223.39	20401.68	2.4	25
BBNC_B1 (West of Lor Sesuai)	3922	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37228.48	20401.37	4.5	25
BBNC_B1 (West of Lor Sesuai)	3923	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37234.44	20382.86	6	25
BBNC_B1 (West of Lor Sesuai)	3925	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37235.44	20377.33	1.5	15
BBNC_B1 (West of Lor Sesuai)	3927	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37221.36	20390.33	1.1	12
BBNC_B1 (West of Lor Sesuai)	3933	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37223.08	20359.78	2.4	25
BBNC_B1 (West of Lor Sesuai)	3934	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37229.69	20362.7	1.2	16
BBNC_B1 (West of Lor Sesuai)	3935	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37228.87	20358.71	1.2	12
BBNC_B1 (West of Lor Sesuai)	3936	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37234.49	20357.03	1.3	16
BBNC_B1 (West of Lor Sesuai)	3937	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37246.7	20360.13	3.2	16
BBNC_B1 (West of Lor Sesuai)	3938	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37242.05	20354.57	2	16
BBNC_B1 (West of Lor Sesuai)	3939	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37243.21	20358.05	1.8	25
BBNC_B1 (West of Lor Sesuai)	3940	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37162.296	20330.623	1.2	18
BBNC_B1 (West of Lor Sesuai)	3941	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37173.682	20329.616	1.4	16
BBNC_B1 (West of Lor Sesuai)	3943	<i>Prunus polystachya</i>	Rosaceae	Native	Common	Tree	37178.815	20320.669	1.4	18
BBNC_B1 (West of Lor Sesuai)	3945	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37237.314	20340.928	1.1	16
BBNC_B1 (West of Lor Sesuai)	3946	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37238.888	20295.281	1.1	18
BBNC_B1 (West of Lor Sesuai)	3947	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37221.252	20276.02	1	18

BBNC_B1 (West of Lor Sesuai)	3949	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37211.136	20288.656	1.6	20
BBNC_B1 (West of Lor Sesuai)	3950	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37215.537	20303.526	1.8	16
BBNC_B1 (West of Lor Sesuai)	3951	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37217.47	20305.417	1.1	16
BBNC_B1 (West of Lor Sesuai)	3952	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37217.805	20309.109	1	18
BBNC_B1 (West of Lor Sesuai)	3953	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37217.983	20330.654	1.3	16
BBNC_B1 (West of Lor Sesuai)	3954	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37200.34	20301.687	1.1	16
BBNC_B1 (West of Lor Sesuai)	3955	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37208.255	20297.99	1.4	20
BBNC_B1 (West of Lor Sesuai)	3956	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37203.369	20284.122	1.1	20
BBNC_B1 (West of Lor Sesuai)	3957	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37200.714	20282.806	1	8
BBNC_B1 (West of Lor Sesuai)	3958	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37191.139	20283.275	1	17
BBNC_B1 (West of Lor Sesuai)	3959	<i>Adinobotrys atropurpureus</i>	Fabaceae	Exotic	Casual	Tree	37047.39	20517.59	2.5	15
BBNC_B1 (West of Lor Sesuai)	3960	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37043.62	20513.85	1.4	16
BBNC_B1 (West of Lor Sesuai)	3961	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37038.82	20498.86	1.2	14
BBNC_B1 (West of Lor Sesuai)	3962	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37037.17	20501.01	2	18
BBNC_B1 (West of Lor Sesuai)	3964	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37048.32	20497.54	1.2	12
BBNC_B1 (West of Lor Sesuai)	3965	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37046.3	20491.5	1.2	16
BBNC_B1 (West of Lor Sesuai)	3966	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37044.69	20493.73	1	12
BBNC_B1 (West of Lor Sesuai)	3967	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37049.54	20494.89	1	18
BBNC_B1 (West of Lor Sesuai)	3968	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37050.48	20498.84	1.6	18
BBNC_B1 (West of Lor Sesuai)	3969	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37043.18	20474.17	2.9	22
BBNC_B1 (West of Lor Sesuai)	3970	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37040.06	20471.28	2.6	22
BBNC_B1 (West of Lor Sesuai)	3971	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37048.87	20471.81	1.4	20
BBNC_B1 (West of Lor Sesuai)	3972	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37041.85	20453.21	1.6	18
BBNC_B1 (West of Lor Sesuai)	3973	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37049.55	20451.81	1	8
BBNC_B1 (West of Lor Sesuai)	3973A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37053.72	20452.89	2.8	20
BBNC_B1 (West of Lor Sesuai)	3973B	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37054.96	20450.01	2.6	20
BBNC_B1 (West of Lor Sesuai)	3973C	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37058.86	20440.42	2.8	20
BBNC_B1 (West of Lor Sesuai)	3974	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37039.42	20455.3	2.2	20
BBNC_B1 (West of Lor Sesuai)	3975	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37039.4	20455.52	2.6	18
BBNC_B1 (West of Lor Sesuai)	3976	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37030.06	20457.17	1.2	16
BBNC_B1 (West of Lor Sesuai)	3976A	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37028.51	20457.79	3.5	22
BBNC_B1 (West of Lor Sesuai)	3977	<i>Oncosperma tigillarum</i>	Arecaceae	Native	Vulnerable	Palm	37033.08	20460.91	0.7	8
BBNC_B1 (West of Lor Sesuai)	3978	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37030.69	20467.78	1.8	20
BBNC_B1 (West of Lor Sesuai)	3979	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37041	20488.84	1.1	16
BBNC_B1 (West of Lor Sesuai)	3980	<i>Prunus polystachya</i>	Rosaceae	Native	Common	Tree	37043.65	20489.07	1.2	12
BBNC_B1 (West of Lor Sesuai)	3982	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37027.79	20501.15	1.3	15
BBNC_B1 (West of Lor Sesuai)	3983	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37021.69	20510.58	2	18
BBNC_B1 (West of Lor Sesuai)	3984	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37025.01	20501.9	3.8	22
BBNC_B1 (West of Lor Sesuai)	3985	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37014.87	20507.52	1	12
BBNC_B1 (West of Lor Sesuai)	3986	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37014.98	20508.76	1.4	8
BBNC_B1 (West of Lor Sesuai)	3987	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37023.47	20510.48	2.3	22
BBNC_B1 (West of Lor Sesuai)	3987A	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37036.91	20467.35	1.2	10
BBNC_B1 (West of Lor Sesuai)	3989	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37012.1	20499.75	3.4	20
BBNC_B1 (West of Lor Sesuai)	3991	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37008.74	20516.18	1.4	14
BBNC_B1 (West of Lor Sesuai)	3994	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37017.12	20524.43	1.8	14
BBNC_B1 (West of Lor Sesuai)	3995	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37014.7	20528.01	1.2	14
BBNC_B1 (West of Lor Sesuai)	3996	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37025.14	20536.75	1.8	18
BBNC_B1 (West of Lor Sesuai)	3997	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37016.87	20539.5	1.2	15
BBNC_B1 (West of Lor Sesuai)	3998	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37023.85	20544.04	2.5	6
BBNC_B1 (West of Lor Sesuai)	3999	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37020.72	20552.24	1.3	15
BBNC_B2 (BBNP)	4128A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37515.25	20197.7	1.8	15
BBNC_B2 (BBNP)	4166	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37451.018	20157.526	1.4	18

BBNC_B2 (BBNP)	4167	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37454.201	20154.973	1.2	16
BBNC_B2 (BBNP)	4168	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37453.994	20155.646	1	14
BBNC_B2 (BBNP)	4169	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	37459.542	20159.647	1.3	19
BBNC_B2 (BBNP)	4170	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37461.252	20157.452	0.6	12
BBNC_B2 (BBNP)	4171	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37461.223	20161.925	0.4	11
BBNC_B2 (BBNP)	4172	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37449.19	20183.812	0.8	10
BBNC_B2 (BBNP)	4173	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37448.649	20183.885	0.9	10
BBNC_B2 (BBNP)	4174	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37445.195	20186.473	1.3	16
BBNC_B2 (BBNP)	4175	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37443.101	20188.034	0.5	10
BBNC_B2 (BBNP)	4176	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37443.452	20189.819	0.7	10
BBNC_B2 (BBNP)	4177	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37450.954	20189.764	0.4	10
BBNC_B2 (BBNP)	4178	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37426.123	20217.354	1	13
BBNC_B2 (BBNP)	4179	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37428.896	20218.654	1.1	18
BBNC_B2 (BBNP)	4180	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37424.866	20222.82	1.4	16
BBNC_B2 (BBNP)	4181	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37426.469	20227.781	1.1	15
BBNC_B2 (BBNP)	4182	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37420.107	20222.546	1.2	16
BBNC_B2 (BBNP)	4183	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37412.821	20221.804	1.1	15
BBNC_B2 (BBNP)	4184	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37407.325	20228.196	1	14
BBNC_B2 (BBNP)	4185	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37410.93	20228.041	1.1	13
BBNC_B2 (BBNP)	4186	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37414.731	20228.743	1.1	15
BBNC_B2 (BBNP)	4187	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37412.825	20246.403	1	14
BBNC_B2 (BBNP)	4188	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37413.882	20246.875	1	15
BBNC_B2 (BBNP)	4189	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37413.589	20266.232	1.1	16
BBNC_B2 (BBNP)	4190	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37417.37	20267.77	1.6	16
BBNC_B2 (BBNP)	4191	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37418.436	20271.615	1.2	16
BBNC_B2 (BBNP)	4192	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37414.163	20272.181	1.2	15
BBNC_B2 (BBNP)	4193	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37405.737	20272.458	1.6	13
BBNC_B2 (BBNP)	4194	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37412.935	20286.677	1	15
BBNC_B2 (BBNP)	4195	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37410.793	20289.334	1.4	17
BBNC_B2 (BBNP)	4367	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37482.78	20167.51	1.2	10
BBNC_B2 (BBNP)	4368	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37470.48	20175.55	1.5	14
BBNC_B2 (BBNP)	4369	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37478.37	20174.72	1.1	14
BBNC_B2 (BBNP)	4370	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37467.25	20175.54	2	20
BBNC_B2 (BBNP)	4371	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37467.67	20179.33	0.3	7
BBNC_B2 (BBNP)	4372	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37466.16	20176.97	0.3	6
BBNC_B2 (BBNP)	4373	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37467.29	20176.91	0.3	5
BBNC_B2 (BBNP)	4374	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37461.28	20164.28	1	14
BBNC_B2 (BBNP)	4375	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37487.59	20178.92	1.5	18
BBNC_B2 (BBNP)	4376	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37494.06	20168.02	1.1	6
BBNC_B2 (BBNP)	4377	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37495.58	20168.3	1	7
BBNC_B2 (BBNP)	4378	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37496.36	20176.24	1.2	14
BBNC_B2 (BBNP)	4379	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37491.39	20187.6	1.2	10
BBNC_B2 (BBNP)	4380	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37491.4	20199.15	1	12
BBNC_B2 (BBNP)	4381	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37492.09	20199.21	1	12
BBNC_B2 (BBNP)	4382	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37495.61	20199.78	1.2	14
BBNC_B2 (BBNP)	4383	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37502.95	20204.37	1.5	7
BBNC_B2 (BBNP)	4384	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37494.07	20208.15	1	12
BBNC_B2 (BBNP)	4385	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37494.82	20208.56	1	12
BBNC_B2 (BBNP)	4386	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37496.48	20212.11	1	12
BBNC_B2 (BBNP)	4387	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37494.49	20209.46	1	12
BBNC_B2 (BBNP)	4388	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37495.89	20220.66	1.3	14
BBNC_B2 (BBNP)	4389	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37494.48	20218.4	1.5	12



BBNC_B2 (BBNP)	4390	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37497.8	20231.79	1.1	12
BBNC_B2 (BBNP)	4391	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37498.68	20230.36	1.1	12
BBNC_B2 (BBNP)	4392	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37502.23	20234.59	1	12
BBNC_B2 (BBNP)	4393	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37508.36	20238.71	1	10
BBNC_B2 (BBNP)	4394	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37499.38	20247.57	1.2	14
BBNC_B2 (BBNP)	4395	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37496.91	20251.46	1.6	14
BBNC_B2 (BBNP)	4396	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37487.73	20260.63	1.1	14
BBNC_B2 (BBNP)	4397	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37490.9	20255.56	1.1	14
BBNC_B2 (BBNP)	4398	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37484.98	20251.62	1.5	12
BBNC_B2 (BBNP)	4399	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37478.59	20251.56	1	16
BBNC_B2 (BBNP)	4400	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37468.74	20274.84	1	14
BBNC_B2 (BBNP)	4434	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37288.96	20314.39	1.1	12
BBNC_B2 (BBNP)	4435	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37305.93	20303.68	1.6	12
BBNC_B2 (BBNP)	4436	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37315.73	20299.66	1.1	16
BBNC_B2 (BBNP)	4437	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37300.54	20288.5	1.1	16
BBNC_B2 (BBNP)	4438	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37302.13	20294.72	1	10
BBNC_B2 (BBNP)	4439	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37310.63	20294.72	1	16
BBNC_B2 (BBNP)	4440	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37287.38	20282.24	1	10
BBNC_B2 (BBNP)	4441	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37280.63	20288.19	1	12
BBNC_B2 (BBNP)	4442	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37258.51	20263.48	1.6	8
BBNC_D	4443	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37672.54	19109.54	2.5	18
BBNC_D	4445	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37664.09	19109.4	1.8	11
BBNC_D	4446	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37649.95	19111.76	2.6	18
BBNC_D	4447	<i>Maniltoa browneoides</i>	Fabaceae	Exotic	Cultivated only	Tree	37655.73	19117.1	1.4	10
BBNC_D	4448	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37668.01	19127.72	2.1	18
BBNC_D	4449	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37667.44	19126.9	2	16
BBNC_D	4450	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37672.93	19128.22	1.7	11
BBNC_D	4451	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37669.3	19131.63	1.6	12
BBNC_D	4452	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37674.08	19126.46	1.6	20
BBNC_D	4453	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37681.87	19132.05	2.6	18
BBNC_D	4454	<i>Magnolia champaca</i>	Magnoliaceae	Exotic	Cultivated only	Tree	37688.78	19132.42	1.5	12
BBNC_D	4455	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37692.98	19123.05	2.4	18
BBNC_D	4456	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37703.07	19119.09	2	16
BBNC_D	4457	<i>Maniltoa browneoides</i>	Fabaceae	Exotic	Cultivated only	Tree	37714.72	19123.82	1.3	10
BBNC_D	4458	<i>Magnolia champaca</i>	Magnoliaceae	Exotic	Cultivated only	Tree	37712.37	19118.4	1.9	20
BBNC_D	4459	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37706.28	19125.21	2.1	16
BBNC_D	4460	<i>Magnolia champaca</i>	Magnoliaceae	Exotic	Cultivated only	Tree	37702.24	19127.53	2.2	20
BBNC_D	4461	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37695.09	19135.04	2.4	22
BBNC_D	4462	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37704.59	19140.25	1.4	12
BBNC_D	4463	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37700.42	19150.67	2.1	22
BBNC_D	4464	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37705.22	19145.25	1.5	16
BBNC_D	4465	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37698.81	19153.2	1.1	8
BBNC_D	4466	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37700.59	19147.97	2.2	16
BBNC_D	4467	<i>Magnolia champaca</i>	Magnoliaceae	Exotic	Cultivated only	Tree	37706.57	19149.41	1.1	12
BBNC_D	4468	<i>Magnolia champaca</i>	Magnoliaceae	Exotic	Cultivated only	Tree	37712.89	19147.94	2.1	18
BBNC_D	4469	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37716.49	19152.07	1.6	12
BBNC_D	4470	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37716.89	19152.8	1.8	12
BBNC_D	4471	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37707.12	19156.8	1.1	16
BBNC_D	4472	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37706.02	19160.79	1.1	16
BBNC_D	4473	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37710.31	19159.24	1.4	20
BBNC_D	4474	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37712.49	19166.66	1	8
BBNC_D	4475	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37707.37	19159.49	1.6	16

BBNC_D	4476	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37710.02	19161.57	1	16
BBNC_D	4477	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37706.83	19166.87	1	14
BBNC_D	4478	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37710.84	19168.18	2.7	22
BBNC_D	4479	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37712.67	19167.83	1.1	10
BBNC_D	4480	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37715.92	19171.39	1.1	16
BBNC_D	4481	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37716.23	19176.1	1.6	16
BBNC_D	4482	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37723.15	19174.23	1.6	16
BBNC_D	4483	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37716.75	19178.82	1.3	16
BBNC_D	4484	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37725.75	19179.15	2.8	22
BBNC_D	4485	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37720.45	19176.35	2.2	18
BBNC_D	4486	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37707.521	19188.032	1.6	15
BBNC_D	4487	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37699.262	19186.42	1.4	12
BBNC_D	4488	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37696.629	19182.053	1	15
BBNC_D	4489	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37697.588	19184.21	3	14
BBNC_D	4490	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37705.717	19187.614	1.5	14
BBNC_D	4491	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37711.783	19190.315	1	11
BBNC_D	4492	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37716.649	19196.725	1.2	14
BBNC_D	4493	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37719.529	19195.21	2.1	16
BBNC_D	4494	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37724.092	19197.627	1.5	16
BBNC_D	4495	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37729.333	19197.691	2.3	14
BBNC_D	4496	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37728.881	19204.569	2.3	14
BBNC_D	4497	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37725.324	19203.675	1.7	15
BBNC_D	4498	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37729.904	19208.959	1.5	12
BBNC_D	4499	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37730.322	19211.507	2.1	14
BBNC_D	4500	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37735.278	19210.216	1.3	12
BBNC_B2 (BBNP)	4527A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37351.529	20246.242	2	10
BBNC_B2 (BBNP)	4527B	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37347.326	20248.589	1.1	12
BBNC_D	4556	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37799.04	19222	1.8	16
BBNC_D	4557	<i>Dimocarpus cf. longan</i>	Sapindaceae	Exotic	Casual	Tree	37801.39	19239.95	1.3	7
BBNC_D	4558	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37797.95	19238.2	1.9	18
BBNC_D	4559	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37828.16	19227.38	1.3	20
BBNC_D	4560	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37837.3	19227.46	1.6	14
BBNC_D	4561	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37827.97	19232.27	2.8	20
BBNC_D	4562	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	37832.4	19228.22	1.1	16
BBNC_D	4563	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37826.44	19215.26	2.5	10
BBNC_D	4564	<i>Artocarpus altilis</i>	Moraceae	Exotic	Casual	Tree	37818.25	19226.98	1	8
BBNC_D	4565	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37812.6	19216.95	1.3	8
BBNC_D	4566	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37824.9	19205.29	1	12
BBNC_D	4567	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37892.59	19130.83	2.4	18
BBNC_D	4568	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	37905.12	19155.52	2	16
BBNC_D	4569	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37917.84	19180.96	1	8
BBNC_D	4570	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37917.83	19176.51	1.4	12
BBNC_D	4571	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37930.07	19163	1.2	18
BBNC_D	4572	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37933.44	19161.42	1	20
BBNC_D	4573	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37942	19149.52	2	40
BBNC_D	4574	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37927.99	19148.65	2	40
BBNC_D	4575	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37930.61	19150.7	2.8	40
BBNC_D	4576	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37929.39	19149.29	3	40
BBNC_D	4577	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37921.64	19153.57	2.5	40
BBNC_D	4578	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37934.4	19152.55	1.5	14
BBNC_D	4579	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37942.71	19150.49	1.5	10
BBNC_D	4580	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37949.65	19126.93	1.2	10

BBNC_D	4581	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37943.01	19139.23	3	50
BBNC_D	4582	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37827.206	19236.541	1.3	10
BBNC_D	4583	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37826.511	19241.544	1.6	18
BBNC_D	4584	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37825.766	19245.492	1.7	18
BBNC_D	4585	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37825.594	19248.706	1.8	14
BBNC_D	4586	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37836.153	19256.08	2.1	20
BBNC_D	4588	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37838.65	19276.243	1.3	12
BBNC_D	4589	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37847.789	19282.675	1.3	16
BBNC_D	4590	<i>Camposperma cf. auriculatum</i>	Anacardiaceae	Native	Common	Tree	37848.509	19277.587	1.1	18
BBNC_D	4591	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37853.49	19287.465	1.4	14
BBNC_D	4592	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37874.392	19279.293	2	7
BBNC_D	4593	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37879.746	19274.594	1.6	14
BBNC_D	4594	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37889.69	19277.01	1.8	14
BBNC_D	4595	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37889.966	19266.627	1.8	8
BBNC_D	4596	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37894.101	19264.806	1.3	10
BBNC_D	4598	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37901.914	19271.267	1.1	10
BBNC_D	4599	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37913.495	19273.363	1.1	8
BBNC_D	4600	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37918.815	19273.37	1.3	6
BBNC_B2 (BBNP)	4601	<i>Macaranga hulletii</i>	Euphorbiaceae	Native	Critically endangered	Tree	37392.134	20167.616	0.4	6
BBNC_B4 (BBNP)	4624A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37179.18	19962.7	2	20
BBNC_B4 (BBNP)	4640A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37187.7	19897.66	3	40
BBNC_B2 (BBNP)	4663A	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37295.73	20092.21	1	18
BBNC_B2 (BBNP)	4665A	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37302.9	20081.2	1	18
BBNC_B2 (BBNP)	4697	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37364.194	20170.605	1.1	7
BBNC_B2 (BBNP)	4698	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37358.092	20174.583	1.2	8
BBNC_B2 (BBNP)	4699	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37409.316	20184.639	1	16
BBNC_B2 (BBNP)	4699A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37416.174	20183.452	1	15
BBNC_D	4700	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37922.175	19263.86	1	8
BBNC_D	4735	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37993.642	19364.834	1.2	20
BBNC_D	4736	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37986.248	19361.067	1.3	20
BBNC_D	4737	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37987.229	19354.188	1.2	20
BBNC_D	4738	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37986.986	19349.339	1.1	20
BBNC_D	4739	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37984.281	19348.288	1	18
BBNC_D	4740	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37981.035	19347.971	0.3	8
BBNC_D	4741	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37981.309	19345.088	1.4	20
BBNC_D	4742	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37974.281	19343.07	1.5	20
BBNC_D	4743	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37970.396	19340.847	1.3	20
BBNC_D	4744	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37963.889	19342.585	1.3	22
BBNC_D	4745	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37957.344	19341.386	1.5	20
BBNC_D	4746	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37957.579	19338.108	1.2	18
BBNC_D	4747	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37954.581	19338.688	1.3	20
BBNC_D	4748	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37952.414	19337.189	1	18
BBNC_D	4749	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37952.309	19333.018	1.4	20
BBNC_D	4750	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37951.894	19330.699	1.4	20
BBNC_D	4751	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37949.687	19329.69	1.2	20
BBNC_D	4752	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37940.07	19325.59	1.4	22
BBNC_D	4753	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37943.921	19321.483	1.7	22
BBNC_D	4754	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37941.121	19318.614	1.3	20
BBNC_D	4755	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37945.419	19317.088	1.1	20
BBNC_D	4756	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37946.186	19310.397	1.6	20
BBNC_D	4757	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37945.552	19309.563	1.1	18
BBNC_D	4758	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37943.616	19311.016	1.2	20

BBNC_D	4759	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37944.243	19306.58	1.1	20
BBNC_D	4760	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37944.226	19302.685	1.4	20
BBNC_D	4761	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37946.112	19301.31	1.7	20
BBNC_D	4762	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37949.224	19297.693	0.3	8
BBNC_D	4763	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37950.599	19300.88	1.1	20
BBNC_D	4764	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37939.306	19308.707	1.4	20
BBNC_D	4765	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37926.808	19325.244	1.2	18
BBNC_D	4766	<i>Radermachera cf. quadripinnata</i> subsp. <i>lobbii</i>	Begoniaceae	Native	Critically endangered	Tree	37920.635	19331.513	1.4	22
BBNC_D	4767	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37916.254	19336.142	1.5	16
BBNC_D	4768	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37911.169	19333.104	1.1	20
BBNC_D	4769	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37908.723	19336.069	0.6	10
BBNC_D	4770	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37904.821	19336.248	1.2	18
BBNC_D	4771	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37903.53	19340.153	1.2	16
BBNC_D	4772	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37902.136	19328.137	1	16
BBNC_D	4773	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37894.758	19333.715	1.1	16
BBNC_D	4774	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37898.314	19319.272	1.1	14
BBNC_D	4775	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37906.042	19307.614	1.1	20
BBNC_D	4776	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37910.179	19307.285	2.2	20
BBNC_D	4777	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37907.958	19305.833	1	16
BBNC_D	4778	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37934.484	19327.599	1.1	20
BBNC_D	4779	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37933.396	19326.018	1.4	20
BBNC_D	4781	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37932.745	19353.04	1.1	10
BBNC_D	4782	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37947.823	19358.932	1.2	18
BBNC_D	4783	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37945.199	19361.202	1.6	20
BBNC_D	4784	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37965.223	19360.236	1.4	25
BBNC_D	4785	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37963.691	19354.412	1	19
BBNC_D	4786	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37965.964	19352.564	1.1	14
BBNC_D	4787	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37954.975	19368.562	1.3	18
BBNC_D	4788	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37959.871	19366.902	1.4	18
BBNC_D	4789	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37955.123	19379.391	1.2	20
BBNC_D	4790	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37952.104	19378.577	1.2	20
BBNC_D	4791	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37951.744	19383.74	1.2	20
BBNC_D	4793	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37940.626	19385.89	1.6	25
BBNC_D	4794	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37937.356	19383.908	1.3	20
BBNC_D	4795	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37929.932	19382.536	1.1	20
BBNC_D	4796	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37925.41	19381.197	0.4	5
BBNC_D	4797	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37919.686	19380.137	1.2	18
BBNC_D	4798	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37915.802	19370.416	1.1	20
BBNC_D	4799	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37909.412	19360.954	1.7	20
BBNC_A2	479A	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37129.08	20898.61	1.1	12
BBNC_D	4800	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37910.305	19355.655	1.3	20
BBNC_D	4801	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37759.03	19222.81	2.6	20
BBNC_D	4802	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37774.76	19227.38	2	20
BBNC_D	4803	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37769.06	19227.36	2.6	18
BBNC_D	4803A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37770.86	19228.57	3.5	15
BBNC_D	4804	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37786.87	19247.52	1.8	18
BBNC_D	4804A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37794.17	19245	1.5	18
BBNC_D	4805	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37794.74	19254.41	1.8	18
BBNC_D	4806	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37797.67	19259.22	1.2	12
BBNC_D	4807	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37796.3	19260.88	1.5	15
BBNC_D	4808	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37807.81	19278.46	2	18
BBNC_D	4808A	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37798.86	19292.15	6	16

BBNC_D	4809	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37817.51	19292.41	1.2	15
BBNC_D	4809A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37819.8	19302.03	3	25
BBNC_D	4810	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37820.41	19294.93	1.3	12
BBNC_D	4811	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37819.82	19295.28	1.3	12
BBNC_D	4812	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37823.88	19305.92	1.1	10
BBNC_D	4813	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37823.88	19305.59	1.5	12
BBNC_D	4814	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37831.95	19306.15	1.4	12
BBNC_D	4815	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37835.16	19293.9	1.8	12
BBNC_D	4816	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37830.52	19291.12	2.4	12
BBNC_D	4901	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	37945.991	19251.437	1.8	16
BBNC_D	4902	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37945.816	19245.875	0.5	7
BBNC_D	4903	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37934.79	19236.437	1.5	14
BBNC_D	4904	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37928.556	19234.281	1.8	6
BBNC_D	4905	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37929.248	19218.459	1.1	10
BBNC_D	4907	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37934.076	19197.93	1.8	20
BBNC_D	4908	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37932.782	19195.905	1.6	16
BBNC_D	4909	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37932.384	19194.007	2.2	18
BBNC_D	4910	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37929.503	19189.917	2.3	16
BBNC_D	4911	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37932.604	19192.441	1.5	20
BBNC_D	4912	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37894.341	19199.287	2	40
BBNC_D	4913	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37896.615	19204.531	1.7	16
BBNC_D	4914	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37897.308	19219.102	1.9	18
BBNC_D	4915	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37865.52	19264.494	1.1	12
BBNC_D	4916	<i>Sandoricum koetjape</i>	Meliaceae	Native	Endangered	Tree	37857.001	19246.594	1.2	12
BBNC_D	4918	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37842.011	19248.37	1.1	10
BBNC_D	4919	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37795.911	19438.325	1.1	16
BBNC_D	4920	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37795.747	19436.258	1.2	12
BBNC_D	4921	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37794.63	19430.005	1.3	8
BBNC_D	4922	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37791.501	19428.76	1	8
BBNC_D	4923	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37796.871	19432.727	1.2	8
BBNC_D	4924	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37805.09	19436.256	1	16
BBNC_D	4925	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37805.503	19437.388	1.3	18
BBNC_D	4926	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37804.819	19441.34	1.3	20
BBNC_D	4927	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37804.145	19442.413	1.3	12
BBNC_D	4928	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37809.103	19445.077	1.2	20
BBNC_D	4929	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37814.275	19445.773	1.3	20
BBNC_D	4930	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37819.538	19445.194	1	20
BBNC_D	4931	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37822.768	19444.362	1.6	20
BBNC_D	4932	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37823.315	19440.722	1.3	18
BBNC_D	4933	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37822.614	19438.809	1.3	18
BBNC_D	4934	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37828.382	19430.468	1.6	25
BBNC_D	4935	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37831.754	19426.749	1.1	18
BBNC_D	4936	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37836.912	19423.199	1.4	18
BBNC_D	4937	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37836.462	19420.561	2.4	16
BBNC_D	4938	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37842.441	19419.543	1.2	18
BBNC_D	4939	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37843.753	19418.948	1.3	18
BBNC_D	4940	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37845.922	19419.538	1.2	20
BBNC_D	4941	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37846.123	19415.678	1.2	16
BBNC_D	4942	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37847.942	19415.854	1.2	18
BBNC_D	4943	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37849.34	19410.849	1.2	16
BBNC_D	4944	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37852.225	19407.154	1	16
BBNC_D	4945	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37856.034	19405.886	1.4	20

BBNC_D	4946	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37858.749	19420.442	1.4	20
BBNC_D	4947	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37861.529	19417.632	1.2	18
BBNC_D	4948	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37863.894	19417.338	1	18
BBNC_D	4950	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37867.116	19421.15	1.1	16
BBNC_D	4951	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37866.032	19418.871	1	16
BBNC_D	4952	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37868.528	19418.136	1.5	16
BBNC_D	4953	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37872.905	19412.536	1.9	18
BBNC_D	4954	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37875.512	19406.58	1	18
BBNC_D	4955	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37871.615	19403.023	1.5	16
BBNC_D	5001	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37734.262	19206.923	1.2	13
BBNC_D	5002	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37739.415	19207.767	1.8	15
BBNC_D	5003	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37743.341	19211.04	2.6	17
BBNC_D	5004	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37744.399	19213.606	1.2	14
BBNC_D	5005	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37741.842	19212.858	1.6	16
BBNC_D	5006	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37739.82	19217.731	1.2	12
BBNC_D	5007	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37732.072	19224.653	2.3	15
BBNC_D	5008	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37745.202	19222.446	3.2	18
BBNC_D	5009	<i>Pinus merkusii</i>	Pinaceae	Exotic	Cultivated only	Tree	37750.646	19209.007	1.1	4
BBNC_D	5010	<i>Pinus merkusii</i>	Pinaceae	Exotic	Cultivated only	Tree	37730.861	19181.712	1	10
BBNC_D	5011	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37700.911	19165.942	1.5	14
BBNC_D	5012	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37698.409	19168.845	1	12
BBNC_D	5013	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37684.248	19162.334	1.1	12
BBNC_D	5014	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37677.907	19162.067	2	14
BBNC_D	5015	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37675.765	19170.4	1.5	13
BBNC_D	5016	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37681.182	19167.52	1.4	15
BBNC_D	5017	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37684.866	19166.68	1.4	14
BBNC_D	5018	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37687.312	19166.174	1.6	15
BBNC_D	5019	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37687.593	19169.731	1.4	14
BBNC_D	5020	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37695.061	19175.662	1	10
BBNC_D	5021	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37674.878	19157.413	1.5	14
BBNC_D	5022	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37683.309	19152.534	1.8	16
BBNC_D	5023	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37677.289	19146.938	1.7	16
BBNC_D	5024	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37669.094	19147.064	1	12
BBNC_D	5025	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37668.174	19144.751	1.2	13
BBNC_D	5026	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37667.268	19142.671	1.2	13
BBNC_D	5027	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37666.51	19149.041	2	16
BBNC_D	5028	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37663.048	19146.858	1.1	10
BBNC_D	5029	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37660.308	19148.237	1.2	10
BBNC_D	5030	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37661.076	19156.37	1.3	10
BBNC_D	5031	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37664.242	19156.515	1	10
BBNC_D	5032	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37662.853	19160.328	2.6	15
BBNC_D	5033	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37665.11	19165.854	1.3	11
BBNC_D	5034	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37648.3	19152.208	1.6	11
BBNC_D	5035	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37641.765	19141.731	1	11
BBNC_D	5036	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37634.372	19130.371	1	10
BBNC_D	5037	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	37642.621	19123.965	5	11
BBNC_D	5038	<i>Maniltoa browneoides</i>	Fabaceae	Exotic	Cultivated only	Tree	37655.706	19132.951	1	16
BBNC_D	5039	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37655.959	19132.788	1.5	18
BBNC_D	5040	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37653.109	19133.321	1.1	17
BBNC_D	5041	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37621.224	19113.689	2.3	15
BBNC_D	5042	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37606.203	19108.78	2.8	16
BBNC_D	5043	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37583.915	19098.8	2.1	16

BBNC_D	5044	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37578.213	19097.912	1.2	14
BBNC_D	5045	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37574.523	19100.51	1.7	14
BBNC_D	5046	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37575.509	19095.289	1.9	13
BBNC_D	5047	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37564.783	19087.8	1.4	12
BBNC_D	5048	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37563.361	19092.268	1.2	14
BBNC_D	5049	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37558.473	19090.976	1.7	9
BBNC_D	5050	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37557.147	19096.482	2.3	15
BBNC_D	5051	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37550.677	19094.46	1.4	13
BBNC_D	5052	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37552.329	19085.478	1.8	10
BBNC_D	5053	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37539.703	19090.068	1.5	12
BBNC_D	5054	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37531.521	19087.211	2.5	14
BBNC_D	5055	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37528.472	19091.191	1.3	8
BBNC_D	5056	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37514.376	19093.831	1.3	14
BBNC_D	5057	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37513.641	19092.077	2.3	17
BBNC_D	5058	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37510.96	19089.74	1.9	15
BBNC_D	5059	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37500.02	19097.62	2	15
BBNC_D	5060	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37495.76	19101.09	1.7	15
BBNC_D	5061	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37492.6	19104.51	1.6	12
BBNC_D	5062	<i>Mesua ferrea</i>	Calophyllaceae	Exotic	Cultivated only	Tree	37511.87	19116.87	1.2	10
BBNC_D	5063	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37500.21	19146.74	1.4	18
BBNC_D	5064	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37489.96	19144.98	1.2	12
BBNC_D	5065	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37488.16	19144.33	1.6	15
BBNC_D	5066	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37484.22	19143.4	1	10
BBNC_D	5067	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37483.58	19142.31	3	20
BBNC_D	5068	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37479.04	19144.95	1.2	12
BBNC_D	5069	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37469.25	19142.89	1	12
BBNC_D	5070	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37476.73	19147.12	1.4	12
BBNC_D	5071	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37481.03	19148.53	1.8	12
BBNC_D	5072	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37485.46	19149.95	1.6	15
BBNC_D	5073	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37492.87	19160.08	1.7	15
BBNC_D	5074	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37489.65	19162.74	1.8	15
BBNC_D	5075	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37488.59	19160.27	1.1	12
BBNC_D	5076	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37485.29	19155.79	1	10
BBNC_D	5077	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37488.17	19153.57	1.1	10
BBNC_D	5078	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37474.74	19161.92	1.1	12
BBNC_D	5079	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37473.63	19157.83	1.4	12
BBNC_D	5080	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37472.97	19155.37	1.4	12
BBNC_D	5081	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37465.63	19152.89	1	12
BBNC_D	5082	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37463.57	19155.9	1.1	12
BBNC_D	5083	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37465.96	19161.97	1.3	12
BBNC_D	5084	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37473.63	19162.77	1.3	12
BBNC_D	5085	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37477.61	19166.22	1.4	12
BBNC_D	5086	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37476.04	19168.3	1.5	10
BBNC_D	5087	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37469.99	19164.01	1.5	12
BBNC_D	5088	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37464.33	19166.36	1.5	12
BBNC_D	5089	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37462.53	19171.44	1.5	10
BBNC_D	5090	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37462.14	19173.7	1.4	8
BBNC_D	5091	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37460.57	19175.24	1.8	10
BBNC_D	5092	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37457.26	19175.06	1.7	12
BBNC_D	5093	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37448.9	19190.14	1.7	12
BBNC_D	5094	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37495.42	19152.13	1.2	10
BBNC_D	5095	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37497.67	19155.73	1.9	12

BBNC_D	5096	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37492.65	19154.01	1.1	8
BBNC_D	5097	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	37506.57	19130.04	3	15
BBNC_D	5098	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	37523.02	19151.77	6	8
BBNC_D	5099	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	37528.78	19170.98	3	8
BBNC_D	5100	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37453.72	19177.73	2.2	12
BBNC_D	5101	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37904.64	19331.63	1.3	15
BBNC_D	5102	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37898.34	19333.53	1	13
BBNC_D	5103	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	37882.04	19330.72	1	13
BBNC_D	5104	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37868.76	19310.83	1.3	18
BBNC_D	5105	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37868.69	19307.29	1.1	10
BBNC_D	5106	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37864.56	19302.62	1	18
BBNC_D	5107	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37851.74	19298.53	1	16
BBNC_D	5108	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37849.12	19297.47	1	15
BBNC_D	5109	<i>Campnosperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37894.27	19311.53	1.3	14
BBNC_D	5110	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37896.04	19301.67	1.5	15
BBNC_D	5111	<i>Macaranga hypoleuca</i>	Euphorbiaceae	Native	Common	Tree	37899.22	19296.81	1.9	11
BBNC_D	5112	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37907.72	19289.28	1	9
BBNC_D	5113	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37922.07	19290.9	1	9
BBNC_D	5114	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37926.98	19287.92	1	12
BBNC_D	5115	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37932.65	19293.87	1.2	17
BBNC_D	5116	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37935.05	19289.57	2	18
BBNC_D	5117	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37950.56	19280.14	1.3	10
BBNC_D	5118	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37943.72	19276.92	1.4	9
BBNC_D	5119	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37951.52	19257.91	1.2	12
BBNC_D	5120	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37964.57	19247.21	1.2	14
BBNC_D	5121	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37975.33	19228.63	2.2	15
BBNC_D	5122	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37977.54	19230.77	2	14
BBNC_D	5123	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37977.76	19225.55	1.2	15
BBNC_D	5124	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37986.48	19211.15	1.1	16
BBNC_D	5125	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37988.61	19211.78	1.3	15
BBNC_D	5126	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37989.13	19204.81	1.2	14
BBNC_D	5127	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37981.12	19194.06	1.3	14
BBNC_D	5128	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37988.77	19193.96	1.4	14
BBNC_D	5129	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37992.94	19184.37	1	15
BBNC_D	5130	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	37994.86	19176.47	1	9
BBNC_D	5130A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38003.26	19180.67	1.2	12
BBNC_D	5130B	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37996.88	19190.24	1	10
BBNC_D	5130C	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38003.24	19178.26	1.2	12
BBNC_D	5131	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38007.88	19165.57	1.2	15
BBNC_D	5132	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	38000.25	19147.99	1.1	10
BBNC_D	5132A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37996.16	19146.65	1.3	20
BBNC_D	5133	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37996.6	19148.32	1.4	12
BBNC_D	5134	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38006.44	19145.21	1.5	16
BBNC_D	5135	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38005.45	19144.65	1.4	14
BBNC_D	5135A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38007.99	19135.86	3	20
BBNC_A2	517	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37098.43	20838.64	2.5	18
BBNC_A2	518	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37094.79	20834.26	1.4	8
BBNC_A2	519	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37091.58	20820.36	1	10
BBNC_D	5191	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.018	19313.052	1.1	14
BBNC_D	5192	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38004.029	19306.243	1.1	15
BBNC_D	5193	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38002.747	19297.825	1.1	15
BBNC_D	5194	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37992.585	19293.522	1.3	18



BBNC_D	5195	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37989.64	19294.578	1.3	18
BBNC_D	5196	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37995.833	19291.982	1.2	18
BBNC_D	5197	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37995.355	19290.967	1	18
BBNC_D	5198	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37995.953	19290.589	1	17
BBNC_D	5199	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38013.911	19277.052	1	18
BBNC_A2	520	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37090.83	20821.74	1	10
BBNC_D	5201	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37907.47	19357.506	1.4	18
BBNC_D	5202	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37893.124	19355.495	1.1	16
BBNC_D	5203	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37900.893	19360.492	1.1	20
BBNC_D	5204	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37902.596	19367.665	1.7	18
BBNC_D	5205	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37896.772	19375.71	1.1	20
BBNC_D	5206	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37899.567	19380.652	1.3	20
BBNC_D	5207	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37884.843	19350.875	1.1	16
BBNC_D	5208	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38026.38	19285.554	1.5	18
BBNC_D	5209	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38008.461	19318.791	1.2	20
BBNC_A2	521	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37091.78	20813.15	2.3	22
BBNC_D	5210	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38003.59	19316.798	1.4	20
BBNC_D	5211	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38021.379	19286.695	1.5	18
BBNC_D	5212	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38030.746	19277.603	1	18
BBNC_D	5213	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38023.249	19281.504	1.4	18
BBNC_D	5214	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38017.05	19279.67	1.1	19
BBNC_D	5215	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38016.077	19276.04	1.4	17
BBNC_D	5216	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38015.912	19265.36	1.2	19
BBNC_D	5217	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38008.334	19266.435	1.5	17
BBNC_D	5218	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38005.682	19265.55	1.1	17
BBNC_D	5219	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38003.71	19261.617	1	16
BBNC_D	5220	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38003.897	19257.855	1.1	18
BBNC_D	5221	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38007.24	19261.61	1	18
BBNC_D	5222	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38009.842	19257.489	1.2	17
BBNC_D	5223	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38013.523	19258.423	1.3	16
BBNC_D	5224	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38016.354	19257.985	1.3	20
BBNC_D	5225	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38019.4	19255.558	1.4	20
BBNC_D	5226	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38019.667	19263.837	1.2	19
BBNC_D	5228	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38024.223	19263.478	1.3	20
BBNC_D	5229	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38035.032	19259.589	1	18
BBNC_A2	523	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37091.86	20807.68	1.8	20
BBNC_D	5230	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38037.626	19262.207	1.1	18
BBNC_D	5231	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38041.612	19276.686	1	17
BBNC_D	5232	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38039.554	19280.057	1.5	20
BBNC_D	5233	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38038.195	19282.301	1.1	17
BBNC_D	5234	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38034.546	19279.446	1.3	20
BBNC_D	5235	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38034.585	19281.992	1	16
BBNC_D	5236	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38035.611	19297.618	1.1	19
BBNC_D	5237	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38034.648	19303.988	1.1	18
BBNC_D	5238	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38036.122	19304.535	1.2	17
BBNC_D	5239	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38017.309	19309.566	1.5	18
BBNC_A2	524	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37093.57	20798.37	2.1	22
BBNC_D	5240	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38012.461	19318.478	1.1	18
BBNC_D	5241	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38015.724	19323.175	1	18
BBNC_D	5242	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38015.427	19320.433	1.1	16
BBNC_D	5243	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38017.308	19322.437	1.3	20
BBNC_D	5244	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38020.609	19323.447	1.1	20

BBNC_D	5245	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38024.631	19322.321	1.3	18
BBNC_D	5246	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38023.421	19323.339	1.1	17
BBNC_D	5247	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37989.462	19322.183	1.3	18
BBNC_D	5248	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37979.558	19318.123	1.3	17
BBNC_D	5249	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38041.34	19276.49	1.2	18
BBNC_A2	525	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37087.87	20799.97	2	16
BBNC_D	5250	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38050.23	19267.13	1.3	18
BBNC_D	5251	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38042.54	19265.41	1	16
BBNC_D	5252	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38029.47	19262.68	1	18
BBNC_D	5253	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38031.65	19251.15	1	16
BBNC_D	5254	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38027.92	19252.05	1.5	18
BBNC_D	5255	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38035.07	19248.92	1	14
BBNC_D	5256	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38043.23	19247.01	1	18
BBNC_D	5257	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38049.12	19246.83	1.7	18
BBNC_D	5258	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38049.74	19250.67	1.3	20
BBNC_D	5259	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38050.88	19246.69	1	18
BBNC_A2	526	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37081.46	20802.93	1.2	18
BBNC_D	5260	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38051.08	19242.41	1.2	18
BBNC_D	5261	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38042.31	19237.07	1.2	18
BBNC_D	5262	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38034.58	19246.38	1	20
BBNC_D	5263	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38042.78	19243.48	1.1	50
BBNC_D	5264	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38031.61	19239.25	1.4	20
BBNC_D	5265	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38029.43	19235.04	1.3	20
BBNC_D	5266	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38030.73	19231.25	1	20
BBNC_D	5267	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38031.04	19231.81	1.3	20
BBNC_D	5268	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38020.24	19236.88	1	20
BBNC_D	5269	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38016.2	19240.87	1.1	20
BBNC_A2	527	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37078.92	20804.77	1	12
BBNC_D	5270	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38026.37	19244.22	1.1	16
BBNC_D	5271	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38032.85	19225.62	1.2	20
BBNC_D	5272	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38032.08	19220.84	1	18
BBNC_D	5273	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38033.94	19215.48	1.3	20
BBNC_D	5274	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38032.74	19217.61	1	18
BBNC_D	5275	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38042.97	19215.86	1.3	18
BBNC_D	5276	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38045.82	19219.09	1.2	20
BBNC_D	5277	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38038.99	19220.95	1	18
BBNC_D	5278	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38041.94	19229.19	1.2	18
BBNC_D	5279	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38044.92	19232.89	1	18
BBNC_A2	528	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37082.17	20802.88	1.6	14
BBNC_D	5280	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38047.17	19223.82	1	18
BBNC_D	5281	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38047.75	19225.59	1	18
BBNC_D	5282	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38049.43	19227.27	1	20
BBNC_D	5283	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38056.73	19222.81	1.5	20
BBNC_D	5284	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38035.93	19358.83	1	20
BBNC_D	5285	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38034.16	19368.08	1.6	20
BBNC_D	5286	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38031.33	19365.97	1	20
BBNC_D	5287	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38040.23	19348.9	1	20
BBNC_D	5288	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38048.47	19355.27	1.4	20
BBNC_D	5289	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	38050.84	19349.1	1.3	16
BBNC_A2	529	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37070.32	20814.59	2.3	22
BBNC_D	5290	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38042.28	19342.72	1.4	20
BBNC_D	5291	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38045.28	19342.26	1	20

BBNC_D	5292	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38047.63	19334.01	1	16
BBNC_D	5293	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38057.02	19333.48	1	18
BBNC_D	5294	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38053.58	19328.36	1.1	20
BBNC_D	5295	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38056.67	19332.25	1.3	18
BBNC_D	5296	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38047.74	19322.11	1.2	14
BBNC_D	5297	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38060.98	19312.01	1.2	18
BBNC_D	5298	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38060.13	19311.58	1.2	20
BBNC_D	5299	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38043.11	19306.69	1.3	20
BBNC_D	5300	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38045.7	19304.98	1	18
BBNC_D	5302	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37988.634	19305.53	1.6	20
BBNC_D	5303	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37987.977	19304.376	0.3	10
BBNC_D	5305	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37975.252	19304.66	1	18
BBNC_D	5306	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37970.409	19300.175	1.4	18
BBNC_D	5307	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37971.157	19297.701	1.5	18
BBNC_D	5308	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37956.182	19312.277	1.4	18
BBNC_D	5309	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37956.614	19316.834	1.1	18
BBNC_A2	531	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37077.59	20816.51	2.4	20
BBNC_D	5310	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37961.331	19324.808	1.5	18
BBNC_D	5311	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37998.519	19327.175	1.1	18
BBNC_D	5312	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.598	19325.352	1.1	20
BBNC_D	5314	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38025.173	19340.71	1.2	18
BBNC_D	5315	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38026.512	19335.727	1.1	16
BBNC_D	5316	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38027.731	19340.233	1.2	17
BBNC_D	5317	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38026.511	19343.967	1.1	17
BBNC_D	5318	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38022.86	19349.852	1.4	20
BBNC_D	5319	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38026.299	19350.245	1.2	18
BBNC_A2	532	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37068.16	20813.39	2	20
BBNC_D	5320	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38035.086	19342.776	1.2	16
BBNC_D	5321	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38035.049	19341.279	1	16
BBNC_D	5322	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38036.878	19336.022	1.2	18
BBNC_D	5323	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38040.693	19332.217	1.1	18
BBNC_D	5324	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38039.733	19327.343	1.1	18
BBNC_D	5325	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38040.045	19325.158	1.3	18
BBNC_D	5326	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38036.241	19321.035	1.1	18
BBNC_D	5327	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38032.641	19322.842	1.2	18
BBNC_D	5328	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38038.296	19308.467	1	16
BBNC_D	5329	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38037.388	19300.057	1.4	18
BBNC_A2	533	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37065.2	20808.78	2	18
BBNC_D	5330	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	38042.368	19290.812	1.1	18
BBNC_D	5331	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38044.719	19285.671	1	17
BBNC_D	5332	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38066.889	19292.077	1	16
BBNC_D	5333	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	38066.349	19309.747	0.4	7
BBNC_A2	534	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37066.52	20801.27	2.4	18
BBNC_A2	535	<i>Ficus caulocarpa</i>	Moraceae	Native	Endangered	Strangler	37070.25	20799.01	8	20
BBNC_D	5375	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37773.786	19453.203	1.3	17
BBNC_D	5376	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37777.74	19454.79	1.3	17
BBNC_D	5377	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37772.11	19450.44	1.6	18
BBNC_D	5378	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37789.01	19445.87	1.6	18
BBNC_D	5379	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37782.27	19454.53	1.3	16
BBNC_A2	538	<i>Strombosia javanica</i>	Oleaceae	Native	Vulnerable	Tree	37065.65	20799.54	0.4	5
BBNC_D	5380	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37788.38	19450.13	1	16
BBNC_D	5381	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37796.87	19443.76	1	15

BBNC_D	5382	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37803.21	19447.21	1.3	18
BBNC_D	5383	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37799.91	19451.59	1.3	18
BBNC_D	5384	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37801.34	19454.33	1	18
BBNC_D	5385	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37815.24	19448.17	1.2	10
BBNC_D	5386	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37825.98	19457.54	1.4	18
BBNC_D	5387	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37838.52	19448.51	1.4	18
BBNC_D	5388	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37829.05	19458.35	1	18
BBNC_D	5389	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37827.38	19437.41	1.2	17
BBNC_A2	539	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37086.44	20789.7	2.5	20
BBNC_D	5390	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37837.4	19432.77	1.7	16
BBNC_D	5391	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37833.16	19430.74	1.1	15
BBNC_D	5392	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37841.53	19432.85	1.3	18
BBNC_D	5393	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37844.6	19439.65	1.2	18
BBNC_D	5394	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37848.56	19439.41	1	16
BBNC_D	5395	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37853.32	19439.71	1	17
BBNC_D	5396	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37859.1	19445.23	1	18
BBNC_D	5397	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37843.83	19462.59	1.1	16
BBNC_D	5398	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37843.29	19463.48	1.2	18
BBNC_D	5399	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37844.4	19464.7	1.3	18
BBNC_D	5400	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37842.79	19470.16	1	8
BBNC_D	5400A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37840.22	19464.76	1.3	17
BBNC_D	5401	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38048.28	19300.63	1	18
BBNC_D	5402	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38058.46	19302.93	1	18
BBNC_D	5403	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38059.84	19300.87	1	16
BBNC_D	5404	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38045.01	19304.5	1.1	16
BBNC_D	5405	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	38065.99	19296.49	1.6	14
BBNC_D	5406	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38064.45	19304.74	1.2	14
BBNC_D	5409	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38026.94	19226.74	1	16
BBNC_A2	541	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37084.19	20793.22	2.6	18
BBNC_D	5410	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38051.34	19222.62	1.3	16
BBNC_D	5411	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38052.74	19207.46	1.1	18
BBNC_D	5412	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38049.53	19202.93	1.3	16
BBNC_D	5413	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38046.26	19199.48	1.3	16
BBNC_D	5414	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38039.45	19197.51	1.3	16
BBNC_D	5415	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38040.7	19187.77	1	18
BBNC_D	5416	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38049.39	19184.2	1.7	16
BBNC_D	5417	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38056.61	19190.82	1.6	18
BBNC_D	5418	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38058.13	19193.12	1.2	18
BBNC_D	5419	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38065.72	19186.4	1.2	18
BBNC_A2	542	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37079.26	20780.77	1.2	10
BBNC_D	5420	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38069.04	19192.19	1.5	18
BBNC_D	5421	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38070.02	19191.39	1	16
BBNC_D	5422	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38077.71	19200.48	1.8	14
BBNC_D	5423	<i>Adinandra dumosa</i>	Pentaphragaceae	Native	Common	Tree	38083.56	19202.85	1.5	10
BBNC_D	5424	<i>Adinandra dumosa</i>	Pentaphragaceae	Native	Common	Tree	38089.45	19205.73	1	10
BBNC_D	5425	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38086.26	19200.99	1.2	16
BBNC_D	5426	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38080.33	19202.36	1.7	16
BBNC_D	5427	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38086.2	19188.31	1.2	10
BBNC_D	5428	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	38083.17	19181.93	1	12
BBNC_D	5428A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38098.24	19192.81	1.3	18
BBNC_D	5429	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38084.96	19216.61	1	16
BBNC_A2	543	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37079.65	20777.17	1.5	9

BBNC_D	5430	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38091.2	19211.11	1.1	16
BBNC_D	5431	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38087.46	19223.23	1.2	12
BBNC_D	5432	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38082.99	19218.92	1.2	16
BBNC_D	5433	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38068.46	19208.64	1.3	18
BBNC_D	5434	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38071.22	19208.51	1	14
BBNC_D	5435	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38067.44	19207.06	1.3	18
BBNC_D	5436	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38072.55	19203.31	1.3	18
BBNC_D	5437	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38063.48	19208.48	1.6	18
BBNC_D	5438	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38049.37	19203.63	1.5	16
BBNC_D	5439	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38052.24	19209.84	1.1	16
BBNC_A2	544	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37080.41	20772.18	1.2	12
BBNC_A2	546	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37081.18	20761.41	2	16
BBNC_A2	547	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37071.8	20760.29	2	16
BBNC_A2	548	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37096.64	20759.86	1.4	14
BBNC_A2	549	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37085.29	20755.2	1.4	6
BBNC_A2	550	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37105	20741.76	2.5	18
BBNC_D	5501	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37838.69	19470.33	1.3	18
BBNC_D	5502	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37833.37	19472.13	1.1	18
BBNC_D	5503	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37829.39	19473.51	1.1	18
BBNC_D	5504	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37829.16	19470.37	1.3	8
BBNC_D	5505	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37829.2	19473.48	1.4	16
BBNC_D	5506	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37815.18	19473.23	1.4	18
BBNC_D	5507	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37815.585	19480.137	1.1	18
BBNC_D	5508	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37804.751	19476.241	1.5	18
BBNC_D	5509	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37795.242	19464.333	1.4	20
BBNC_A2	551	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37100.31	20739.72	2	18
BBNC_D	5510	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37902.597	19420.838	1.2	18
BBNC_D	5511	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37900.831	19427.685	1	16
BBNC_D	5512	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37896.322	19425.424	1.2	18
BBNC_D	5513	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37900.504	19432.606	1.2	16
BBNC_D	5514	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37901.314	19435.449	1.4	16
BBNC_D	5515	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37896.028	19436.41	1.1	16
BBNC_D	5516	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37897.384	19440.14	1	17
BBNC_D	5517	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37896.586	19443.932	1.2	16
BBNC_D	5518	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37908.773	19442.647	1	17
BBNC_D	5519	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37913.679	19440.738	1.2	18
BBNC_A2	552	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37106.21	20736.98	2.2	10
BBNC_D	5520	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37920.376	19439.395	1.3	17
BBNC_D	5521	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37918.293	19436.379	1.2	18
BBNC_D	5522	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37917.427	19436.672	1	16
BBNC_D	5523	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37915.055	19433.38	1.2	18
BBNC_D	5524	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37916.586	19429.671	1.1	16
BBNC_D	5525	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37917.144	19427.35	1.3	18
BBNC_D	5526	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37913.008	19434.127	1.4	17
BBNC_D	5527	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37895.83	19442.139	1.5	18
BBNC_D	5528	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37895.223	19454.699	1.6	18
BBNC_D	5529	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37888.525	19456	1	18
BBNC_A2	553	<i>Cocos nucifera</i>	Arecaceae	Exotic	Naturalised	Palm	37121.2	20739.91	1.1	10
BBNC_D	5530	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37886.935	19457.56	1.1	17
BBNC_D	5531	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37890.527	19452.524	1.2	18
BBNC_D	5532	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37875.555	19452.08	1.4	18
BBNC_D	5533	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37877.568	19425.793	1.2	16

BBNC_D	5534	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37883.916	19420.905	1	16
BBNC_D	5535	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37877.822	19420.634	1.7	18
BBNC_D	5536	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37774.722	19479.812	1.6	15
BBNC_D	5537	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37785.79	19475.118	1.6	14
BBNC_D	5538	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37794.879	19473.298	1.4	20
BBNC_D	5539	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37748.28	19501.647	1	15
BBNC_A2	554	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	37113.22	20748.14	1.2	8
BBNC_D	5540	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37751.835	19508.067	1.8	15
BBNC_D	5541	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37748.651	19512.87	1.6	22
BBNC_D	5543	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37860.128	19492.064	1	18
BBNC_D	5544	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37858.935	19490.404	1.1	15
BBNC_D	5545	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37858.415	19486.009	1.7	20
BBNC_D	5546	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37856.229	19478.142	1.2	16
BBNC_D	5547	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37860.821	19479.473	1.2	16
BBNC_D	5548	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37862.041	19474.454	1.4	17
BBNC_D	5549	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37861.121	19469.667	1	16
BBNC_D	5549A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37863.63	19468.023	1.2	16
BBNC_A2	555	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37121.11	20750.13	1.6	18
BBNC_D	5550	<i>Elaeocarpus ferrugineus</i> subsp. <i>ferrugineus</i>	Elaeocarpaceae	Native	Vulnerable	Tree	37864.829	19469.123	0.3	8
BBNC_D	5551	<i>Elaeocarpus ferrugineus</i> subsp. <i>ferrugineus</i>	Elaeocarpaceae	Native	Vulnerable	Tree	37867.208	19467.817	0.4	11
BBNC_D	5552	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37874.112	19475.814	1.2	16
BBNC_D	5553	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37876.748	19473.451	1.1	18
BBNC_D	5554	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37877.593	19471.518	1.2	10
BBNC_D	5555	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37874.192	19468.231	1.2	16
BBNC_D	5556	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37871.337	19465.599	1.4	18
BBNC_D	5557	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37877.895	19464.692	1.2	17
BBNC_D	5558	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37895.226	19464.542	1.1	18
BBNC_D	5559	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37899.778	19461.802	1	17
BBNC_A2	556	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37108.6	20761.83	1.2	14
BBNC_D	5560	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37902.287	19454.795	1	17
BBNC_D	5561	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37909.363	19457.967	1.4	19
BBNC_D	5562	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37914.29	19463.003	1.3	18
BBNC_D	5563	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37918.248	19464.826	1.3	16
BBNC_D	5564	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37922.655	19467.184	1.5	18
BBNC_D	5565	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37918.639	19473.77	1.4	17
BBNC_D	5566	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37920.829	19473.478	1.1	16
BBNC_D	5567	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37915.421	19477.036	1	16
BBNC_D	5568	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37916.416	19471.441	1.4	16
BBNC_D	5569	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37923.73	19463.021	1.2	17
BBNC_A2	557	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37114.19	20764.44	1.5	18
BBNC_D	5570	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37931.188	19462.115	1	14
BBNC_D	5571	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37937.06	19450.423	1.3	17
BBNC_D	5572	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37956.432	19440.671	1.6	16
BBNC_D	5573	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37963.344	19440.216	1.7	17
BBNC_D	5574	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37970.198	19435.807	1.2	18
BBNC_D	5575	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37971.814	19439.97	1	17
BBNC_D	5576	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37976.698	19434.565	1.3	18
BBNC_D	5577	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37978.567	19439.749	1.1	15
BBNC_D	5578	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37984.954	19434.604	1	16
BBNC_D	5579	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37987.465	19431.719	1.5	17
BBNC_A2	558	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37113.11	20764.25	2.4	20
BBNC_D	5580	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37989.452	19433.086	1	16

BBNC_D	5581	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37992.942	19430.966	1.6	18
BBNC_D	5582	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37993.323	19424.937	1.7	18
BBNC_D	5583	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37996.634	19417.138	1.2	18
BBNC_D	5584	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38004.705	19420.891	1.2	17
BBNC_D	5585	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38009.082	19422.01	1.7	18
BBNC_D	5586	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38001.262	19437.948	1	16
BBNC_D	5587	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38001.344	19445.551	1.2	16
BBNC_D	5588	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38000.868	19449.62	1.1	15
BBNC_A2	559	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37107.99	20772.02	1.6	14
BBNC_D	5590	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38004.249	19453.055	1.3	12
BBNC_D	5591	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38002.815	19454.153	1.1	15
BBNC_D	5592	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	38007.241	19455.64	2.2	16
BBNC_D	5593	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38017.93	19450.683	1.1	15
BBNC_D	5594	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38016.588	19450.324	1.6	16
BBNC_D	5595	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38002.269	19444.961	1.2	16
BBNC_D	5596	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37993.46	19448.811	1	17
BBNC_D	5597	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37978.094	19455.568	1.3	16
BBNC_D	5598	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37963.919	19459.13	1.2	19
BBNC_D	5599	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37953.919	19458.036	1.6	19
BBNC_A2	560	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37103.34	20768.13	2	12
BBNC_D	5600	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37951.123	19457.758	1.5	19
BBNC_A2	561	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37102.34	20766.91	2.2	22
BBNC_A2	563	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37093.87	20765.37	2.6	12
BBNC_A2	564	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37098.34	20762.01	3	20
BBNC_A2	565	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37094.23	20766.68	2.2	16
BBNC_A2	566	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37097.16	20777.71	3.8	20
BBNC_A2	567	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37099.53	20782.33	2.6	20
BBNC_A2	568	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37100.93	20784.53	1.6	22
BBNC_D	5689	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38053.382	19454.344	1.8	16
BBNC_A2	569	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37101.19	20801.34	1.6	18
BBNC_D	5690	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38044.583	19456.769	1.3	18
BBNC_D	5692	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38050.009	19449.611	1.4	16
BBNC_D	5693	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38041.179	19457.645	1	18
BBNC_D	5694	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38039.737	19456.031	1.8	18
BBNC_D	5695	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38042.038	19447.44	1.1	8
BBNC_D	5696	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38016.154	19417.577	1.5	18
BBNC_D	5697	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38012.556	19416.735	1.1	18
BBNC_D	5699	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38006.994	19421.402	1.3	16
BBNC_A2	570	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37113.41	20791.16	1	12
BBNC_D	5700	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38013.851	19412.802	1.4	18
BBNC_D	5701	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	38028.769	19406.014	0.3	5
BBNC_D	5702	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38041.779	19425.839	1	10
BBNC_D	5703	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38042.355	19426.343	1.5	10
BBNC_D	5705	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38045.19	19428.161	1	16
BBNC_D	5706	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38043.246	19417.991	1.8	6
BBNC_D	5707	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38064.531	19422.396	1	16
BBNC_D	5708	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38074.048	19428.263	1.8	16
BBNC_D	5709	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38077.348	19435.543	1.3	14
BBNC_A2	571	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37113.58	20791.18	1.1	10
BBNC_D	5710	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	38076.714	19442.658	1.5	14
BBNC_D	5711	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38076.927	19438.683	1.5	20
BBNC_D	5712	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38095.483	19430.489	1.3	14

BBNC_D	5713	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38099.77	19428.815	1.1	16
BBNC_D	5714	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38105.647	19429.15	1.1	18
BBNC_D	5715	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38108.419	19434.766	1.4	18
BBNC_D	5716	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38106.996	19429.008	1.1	20
BBNC_D	5717	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38112.553	19432.302	1.3	20
BBNC_D	5718	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38107.353	19440.259	1.1	18
BBNC_D	5719	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38110.622	19443.684	1.2	20
BBNC_A2	572	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37113.62	20799.48	1	9
BBNC_D	5720	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38114.927	19445.106	1.2	20
BBNC_D	5721	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38114.718	19436.171	1	18
BBNC_D	5722	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38131.586	19439.242	1.6	18
BBNC_D	5723	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	38119.297	19453.56	0.6	8
BBNC_D	5724	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38125.875	19464.109	1	14
BBNC_D	5725	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38125.41	19465.95	1	10
BBNC_D	5726	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38127.02	19464.656	1.2	14
BBNC_D	5727	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38116.795	19466.904	1.2	18
BBNC_D	5728	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38114.958	19459.737	1.5	20
BBNC_D	5729	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38106.437	19465.715	1	16
BBNC_D	5730	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	38097.901	19466.653	1	16
BBNC_D	5731	Unknown	Undetermined	Undetermined	Tree	38091.367	19453.805	1.8	20	
BBNC_D	5732	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38085.459	19452.753	1.5	16
BBNC_D	5733	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38081.905	19454.252	2	20
BBNC_D	5734	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38081.161	19458.329	3	18
BBNC_D	5735	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38082.115	19458.108	1.2	14
BBNC_D	5736	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	38070.065	19448.199	1.1	16
BBNC_D	5737	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38071.658	19442.142	1	16
BBNC_D	5738	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	38061.438	19437.766	1	18
BBNC_D	5739	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	38068.104	19438.645	1.4	18
BBNC_A2	574	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37126.26	20799.15	1.6	16
BBNC_D	5740	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38062.766	19433.349	1.1	18
BBNC_D	5741	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38053.873	19441.943	1.4	18
BBNC_D	5742	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38061.666	19440.035	1	18
BBNC_D	5743	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38056.244	19453.941	1	18
BBNC_D	5744	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	38066.846	19459.92	1.2	14
BBNC_D	5745	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38072.26	19464.925	1.2	20
BBNC_D	5746	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38063.124	19472.675	1.2	8
BBNC_D	5747	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38058.717	19472.191	1.5	18
BBNC_D	5748	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38048.991	19474.235	1.4	16
BBNC_D	5749	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	38049.457	19470.402	1.5	16
BBNC_A2	575	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37112.83	20807.44	1.6	20
BBNC_D	5750	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38050.972	19470.289	1.6	18
BBNC_D	5751	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38037.744	19466.907	1.2	16
BBNC_D	5752	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38041.523	19460.243	1	16
BBNC_D	5753	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38039.702	19460.523	1.5	18
BBNC_D	5754	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38042.502	19461.532	1.3	8
BBNC_D	5755	<i>Mangifera indica</i>	Anacardiaceae	Exotic	Casual	Tree	38029.53	19467.405	2.2	16
BBNC_D	5756	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38031.778	19466.358	1.8	20
BBNC_D	5757	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37987.778	19495.621	1.8	16
BBNC_D	5758	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	38001.478	19481.19	1.7	12
BBNC_D	5759	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38004.01	19491.443	1.2	16
BBNC_A2	576	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37118.32	20802.29	8	20
BBNC_D	5760	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	38011.282	19497.378	2	20



BBNC_D	5761	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38008.274	19478.3	1.6	16
BBNC_D	5762	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38016.985	19480.127	1.4	12
BBNC_D	5763	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38019.066	19471.939	1	13
BBNC_D	5764	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38016.526	19470.316	1.3	10
BBNC_D	5765	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37938.58	19473.274	1.6	16
BBNC_D	5766	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37923.883	19488.43	1	14
BBNC_D	5767	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37927.655	19493.021	1	14
BBNC_D	5769	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37964.391	19513.804	1.2	18
BBNC_A2	577	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37119.12	20814.68	10	20
BBNC_D	5770	<i>Syzygium polyanthum</i>	Myrtaceae	Native	Vulnerable	Tree	37948.412	19507.107	1.1	12
BBNC_D	5774	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37935.61	19509.914	1.3	18
BBNC_D	5775	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37912.823	19507.953	1	16
BBNC_D	5776	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37913.101	19523.043	1	15
BBNC_D	5777	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	38043.273	19481.134	1.1	12
BBNC_D	5778	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38056.754	19486.019	1.3	12
BBNC_D	5779	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38084.412	19485.784	1.6	16
BBNC_A2	578	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37123.73	20824.86	1.6	8
BBNC_D	5780	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38086.422	19487.057	1.1	16
BBNC_D	5781	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38083.913	19492.143	1.2	12
BBNC_D	5782	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38084.704	19491.837	1	12
BBNC_D	5783	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38082.464	19489.635	1.2	14
BBNC_D	5784	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38071.307	19489.993	1.2	14
BBNC_D	5785	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	38087.669	19496.407	1	12
BBNC_D	5786	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38095.596	19481.004	1	12
BBNC_D	5787	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38119.524	19463.757	1.4	14
BBNC_D	5788	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38119.21	19469.233	1	8
BBNC_D	5789	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38128.281	19464.185	1.5	14
BBNC_D	5790	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38126.704	19479.844	2	18
BBNC_D	5791	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38123.8	19484.223	1	16
BBNC_D	5792	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38119.13	19501.272	1	16
BBNC_D	5793	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38110.95	19499.48	1.3	12
BBNC_D	5794	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38115.941	19503.027	1.1	14
BBNC_D	5795	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38114.828	19505.664	1.1	14
BBNC_D	5796	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38117.799	19512.099	1.2	16
BBNC_D	5797	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38104.062	19506.302	1	14
BBNC_D	5798	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38102.927	19528.31	3	25
BBNC_D	5799	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38098.3	19529.524	1.8	14
BBNC_D	5799A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	38101.901	19523.047	1.3	12
BBNC_D	5800	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37661.555	19519.388	1.1	16
BBNC_D	5801	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37656.556	19525.435	2	25
BBNC_D	5802	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37648.159	19531.106	3	30
BBNC_D	5803	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37665.121	19529.774	1.3	16
BBNC_D	5804	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37648.206	19530.179	1.2	12
BBNC_D	5805	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37637.552	19517.529	1	16
BBNC_D	5806	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37637.52	19513.205	1	16
BBNC_D	5807	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37631.281	19510.659	1.2	14
BBNC_D	5808	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37625.42	19511.863	2.2	16
BBNC_D	5809	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37626.826	19519.293	1.6	16
BBNC_D	5810	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37622.277	19516.051	1	14
BBNC_D	5811	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37617.863	19525.482	1.2	14
BBNC_D	5812	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37626.973	19536.149	2.2	18
BBNC_D	5813	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37629.468	19536.977	1.4	12

BBNC_D	5814	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37637.701	19516.83	1.4	16
BBNC_D	5815	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37639.216	19508.943	1.8	16
BBNC_D	5816	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37645.061	19509.941	1.3	18
BBNC_D	5817	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37650.173	19513.251	1.2	16
BBNC_D	5818	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37667.392	19516.986	2.2	30
BBNC_D	5819	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37670.378	19521.233	1.2	16
BBNC_D	5820	<i>Baccaurea motleyana</i>	Phyllanthaceae	Native	Critically endangered	Tree	37669.038	19504.883	1	16
BBNC_D	5821	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37675.939	19495.876	2	19
BBNC_D	5822	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37673.189	19491.177	1.8	18
BBNC_D	5823	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37658.57	19487.352	1	10
BBNC_D	5824	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37666.938	19474.853	1	10
BBNC_D	5825	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37657.721	19469.511	1.4	18
BBNC_D	5826	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37644.702	19470.166	1.5	16
BBNC_D	5827	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37641.033	19463.521	1	15
BBNC_D	5828	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37641.057	19475.922	1.6	16
BBNC_D	5829	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37648.1	19484.132	1	12
BBNC_D	5830	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37644.756	19488.337	1	14
BBNC_D	5831	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37651.841	19489.548	1.1	18
BBNC_D	5832	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37657.356	19487.636	1.4	18
BBNC_D	5833	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37638.912	19493.99	1.5	16
BBNC_D	5834	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37638.354	19488.929	1.4	18
BBNC_D	5835	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37629.422	19471.819	1.4	16
BBNC_D	5836	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37630.39	19461.487	1.2	16
BBNC_D	5837	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37624.608	19463.524	1.4	16
BBNC_D	5838	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37617.695	19470.365	1.5	16
BBNC_D	5839	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37623.923	19489.676	2	20
BBNC_D	5840	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37619.204	19493.166	2.4	20
BBNC_D	5841	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37615.745	19488.152	1	11
BBNC_D	5842	<i>Dimocarpus longan</i>	Sapindaceae	Exotic	Casual	Tree	37613.198	19495.478	1.1	11
BBNC_D	5843	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37625.505	19499.211	1.8	20
BBNC_D	5844	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37649.814	19550.299	1	14
BBNC_D	5845	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37645.355	19564.818	1	8
BBNC_D	5846	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37639.207	19551.131	1	8
BBNC_D	5847	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37639.132	19559.887	1	8
BBNC_D	5848	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37630.331	19568.777	1.2	10
BBNC_D	5849	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37619.824	19569.663	1.5	10
BBNC_D	5850	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37607.416	19562.942	1.1	10
BBNC_D	5851	<i>Bhesa paniculata</i>	Centroplacaceae	Native	Common	Tree	37626.955	19544.068	1.8	10
BBNC_D	5852	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37598.772	19535.854	1.6	14
BBNC_D	5853	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37606.183	19527.804	1.2	10
BBNC_D	5854	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37611.155	19528.205	1.6	6
BBNC_D	5855	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37621.117	19534.896	1	8
BBNC_D	5856	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37581.815	19534.038	1.8	12
BBNC_D	5857	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37582.724	19530.153	1.2	12
BBNC_D	5858	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37565.423	19550.068	1	10
BBNC_D	5859	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37561.116	19561.54	1.9	14
BBNC_D	5860	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37550.927	19562.799	2.2	16
BBNC_D	5861	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37543.635	19570.573	1.8	16
BBNC_D	5862	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37551.178	19571.583	1.1	14
BBNC_D	5863	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37556.39	19568.647	1.1	14
BBNC_D	5864	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37553.728	19580.409	1.3	14
BBNC_D	5865	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37579.955	19564.57	1.3	12

BBNC_D	5866	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37591.195	19574.383	1.4	14
BBNC_D	5867	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37596.06	19557.278	1.8	16
BBNC_D	5868	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37597.936	19568.685	1.8	16
BBNC_D	5869	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37595.332	19579.974	1.5	18
BBNC_D	5870	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37592.112	19582.032	1.1	16
BBNC_D	5871	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37605.126	19582.831	1.2	10
BBNC_D	5872	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37591.754	19598.057	1.4	20
BBNC_D	5873	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37582.776	19594.998	1	14
BBNC_D	5874	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37584.046	19597.34	1.1	18
BBNC_D	5874A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37578.309	19601.843	1.4	22
BBNC_D	5875	<i>Bhesa paniculata</i>	Centroplacaceae	Native	Common	Tree	37567.775	19594.95	2.2	16
BBNC_D	5876	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37566.218	19604.694	1.2	14
BBNC_D	5877	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37567.815	19609.144	1.2	16
BBNC_D	5878	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37565.414	19610.93	1	14
BBNC_D	5879	<i>Bhesa paniculata</i>	Centroplacaceae	Native	Common	Tree	37555.084	19620.688	2.8	16
BBNC_D	5880	<i>Symplocos fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	37545.71	19619.353	0.3	5
BBNC_D	5881	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37551.986	19611.028	1	14
BBNC_D	5882	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37543.106	19603.866	1.5	14
BBNC_D	5883	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37536.398	19609.781	1.2	10
BBNC_D	5884	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37535.214	19612.562	1.1	10
BBNC_D	5885	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37541.751	19604.674	1	10
BBNC_D	5886	<i>Symplocos fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	37527.982	19603.398	0.4	4
BBNC_D	5887	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37530.569	19608.066	1.2	10
BBNC_D	5888	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37525.458	19600.889	1	8
BBNC_D	5889	<i>Macaranga hullettii</i>	Euphorbiaceae	Native	Critically endangered	Tree	37519.171	19606.986	0.3	3
BBNC_D	5890	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37548.723	19586.976	1.6	14
BBNC_D	5891	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37545.329	19586.156	1.4	16
BBNC_D	5892	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37555.588	19584.999	2	14
BBNC_D	5893	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37552.631	19584.249	1.8	12
BBNC_D	5894	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37571.515	19628.973	1.1	12
BBNC_D	5895	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37570.978	19630.326	1.2	12
BBNC_D	5896	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37576.686	19641.055	1.4	14
BBNC_D	5897	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37582.511	19633.96	1	14
BBNC_D	5898	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37586.609	19633.581	2	12
BBNC_D	5899	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37589.065	19636.382	1	8
BBNC_D	5900	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37586.084	19632.249	1	12
BBNC_D	5901	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37557.594	19683.579	1.4	15
BBNC_D	5902	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37558.08	19677.942	2.6	17
BBNC_D	5903	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37555.896	19665.953	1	14
BBNC_D	5904	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37565.654	19663.838	1	16
BBNC_D	5905	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37567.708	19662.827	1	16
BBNC_D	5906	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37568.729	19664.534	1.3	16
BBNC_D	5907	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37575.203	19658.123	1.8	17
BBNC_D	5908	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37577.223	19656.299	2.6	16
BBNC_D	5909	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37591.165	19651.361	2.2	18
BBNC_D	5910	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37592.557	19638.691	1.1	12
BBNC_D	5911	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37591.659	19632.623	1.6	14
BBNC_D	5912	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37597.633	19616.387	5.1	20
BBNC_D	5913	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37602.423	19617.703	1.6	16
BBNC_D	5914	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37605.427	19616.364	1.3	15
BBNC_D	5914A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37607.726	19599.484	1.5	18
BBNC_D	5914B	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37607.789	19595.776	2.2	20

BBNC_D	5915	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37605.428	19604.242	1.3	16
BBNC_D	5916	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37607.728	19600.726	2.7	17
BBNC_D	5917	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37613.725	19606.24	3.3	20
BBNC_D	5918	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37620.997	19616.025	1.8	16
BBNC_D	5919	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37621.102	19617.667	1.2	13
BBNC_D	5920	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37624.175	19615.056	1.1	12
BBNC_D	5921	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37632.81	19611.181	1.2	10
BBNC_D	5922	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37653.011	19573.395	1.1	16
BBNC_D	5923	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37649.726	19580.837	1	14
BBNC_D	5924	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37641.812	19580.946	1.5	17
BBNC_D	5925	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37640.014	19580.849	1.3	12
BBNC_D	5926	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37632.148	19586.79	3.2	18
BBNC_D	5927	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37625.949	19584.573	5.5	17
BBNC_D	5928	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37635.461	19567.66	1	14
BBNC_D	5929	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37520.015	19675.546	1.5	16
BBNC_D	5930	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37525.473	19677.79	1	14
BBNC_D	5931	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37529.894	19675.059	1.6	16
BBNC_D	5932	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37545.377	19675.866	2.4	18
BBNC_D	5933	<i>Aporosa benthamiana</i>	Phyllanthaceae	Native	Vulnerable	Tree	37539.31	19650.682	0.4	10
BBNC_D	5934	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37538.335	19650.225	1.6	18
BBNC_D	5935	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37544.445	19650.124	1.4	18
BBNC_D	5936	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37552.727	19637.72	1.1	16
BBNC_D	5937	<i>Bhesa paniculata</i>	Centroplacaceae	Native	Common	Tree	37563.769	19635.345	1.3	14
BBNC_D	5938	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37540.226	19631.533	2.5	18
BBNC_D	5939	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37534.474	19637.87	1	14
BBNC_D	5940	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37541.26	19634.561	1.2	10
BBNC_D	5941	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37531.43	19647.673	1.1	16
BBNC_D	5942	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37529.588	19649.806	1.3	16
BBNC_D	5943	<i>Artocarpus heterophyllus</i>	Moraceae	Exotic	Casual	Tree	37524.663	19647.764	1.4	12
BBNC_D	5944	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37525.173	19651.383	2.6	20
BBNC_D	5946	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37522.438	19660.03	1	14
BBNC_D	5947	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37531.331	19660.722	2.1	18
BBNC_D	5948	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37535.985	19665.8	1	16
BBNC_D	5949	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37507.866	19637.527	2.2	20
BBNC_D	5950	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37485.66	19640.803	1	16
BBNC_D	5951	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37469.583	19639.688	1.3	16
BBNC_D	5952	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37469.339	19640.081	1.1	16
BBNC_D	5953	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37460.402	19642.712	1.2	18
BBNC_D	5954	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37455.514	19642.793	2	25
BBNC_D	5955	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37452.592	19637.689	1.7	20
BBNC_D	5956	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37456.561	19635.317	1.3	16
BBNC_D	5957	<i>Bouea oppositifolia</i>	Anacardiaceae	Native	Critically endangered	Tree	37446.571	19642.03	0.7	6
BBNC_D	5958	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37449.15	19641.384	1.9	22
BBNC_D	5959	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37445.04	19642.003	1.1	8
BBNC_D	5960	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37447.421	19642.661	1.7	25
BBNC_D	5961	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37450.984	19650.234	1.6	25
BBNC_D	5962	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37447.838	19653.583	1	14
BBNC_D	5964	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37434.449	19678.129	2.2	16
BBNC_D	5965	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37436.449	19680.605	1.9	18
BBNC_D	5966	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37433.705	19678.573	1.8	18
BBNC_D	5967	<i>Cratogeomys cochinchinense</i>	Hypericaceae	Native	Endangered	Tree	37454.517	19673.119	1.1	10
BBNC_D	5968	<i>Cratogeomys cochinchinense</i>	Hypericaceae	Native	Endangered	Tree	37460.83	19672.87	1	10

BBNC_D	5969	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37450.431	19662.691	1	16
BBNC_D	5970	<i>Syzygium aqueum</i>	Myrtaceae	Exotic	Cultivated only	Tree	37457.914	19667.548	2	12
BBNC_D	5971	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37466.663	19663.383	1.3	16
BBNC_D	5972	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37464.698	19652.373	1.2	16
BBNC_D	5973	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37474.236	19660.379	1	8
BBNC_D	5974	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37480.568	19649.643	1.4	16
BBNC_D	5975	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	37606.485	19474.634	2.1	18
BBNC_D	5976	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37601.243	19480.274	1.6	20
BBNC_D	5977	<i>Mangifera x odorata</i>	Anacardiaceae	Exotic	Casual	Tree	37592.96	19485.816	1.9	20
BBNC_D	5978	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37587.064	19491.385	1.9	20
BBNC_D	5979	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37587.469	19504.428	3.6	22
BBNC_D	5980	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37591.509	19510.485	1.4	18
BBNC_D	5981	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37597.189	19513.045	1.3	18
BBNC_D	5982	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37609.14	19515.142	2.6	16
BBNC_D	5983	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37605.198	19525.478	1.2	16
BBNC_D	5984	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37576.732	19485.402	1.6	14
BBNC_D	5985	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37574.683	19489.532	0.4	10
BBNC_D	5986	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37588.683	19479.261	3	25
BBNC_D	5987	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37587.027	19473.746	1.3	18
BBNC_D	5988	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37583.785	19470.448	1.8	20
BBNC_D	5989	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37586.073	19462.023	2	16
BBNC_D	5990	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37577.259	19472.357	2.6	16
BBNC_D	5991	<i>Baccaurea motleyana</i>	Phyllanthaceae	Native	Critically endangered	Tree	37570.568	19479.628	1.3	14
BBNC_D	5992	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37563.159	19478.451	1.8	18
BBNC_D	5993	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37564.28	19481.353	1.5	25
BBNC_D	5994	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37565.169	19481.239	1.2	10
BBNC_D	5995	<i>Nephelium lappaceum var. lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	37568.133	19483.591	1.4	20
BBNC_D	5996	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37565.129	19500.327	1.5	16
BBNC_D	5997	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37558.713	19498.742	1.2	16
BBNC_D	5998	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37559.256	19492.808	1	16
BBNC_D	5999	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37554.259	19485.438	2	16
BBNC_D	6000	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37544.959	19490.301	1.2	18
BBNC_D	6002	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37736.589	19518.266	1.4	14
BBNC_D	6003	<i>Diospyros blancoi</i>	Ebenaceae	Exotic	Cultivated only	Tree	37733.454	19513.39	1.6	12
BBNC_D	6004	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37735.284	19500.618	1.5	14
BBNC_D	6005	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37737.38	19501.907	1.2	10
BBNC_D	6006	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37734.775	19500.159	1.1	11
BBNC_D	6007	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37728.802	19507.81	1.4	11
BBNC_D	6008	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37725.592	19508.311	1.6	16
BBNC_D	6009	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37727.9	19512.249	1.5	14
BBNC_D	6010	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37724.062	19515.481	1	12
BBNC_D	6011	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37722.004	19516.193	1	11
BBNC_D	6012	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37719.233	19519.451	1.2	11
BBNC_D	6013	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37722.584	19521.181	1.5	14
BBNC_D	6014	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37721.693	19521.925	1.5	16
BBNC_D	6015	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37724.911	19526.316	1.3	14
BBNC_D	6016	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37723.505	19527.086	1.3	11
BBNC_D	6017	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	37719.574	19527.853	1	9
BBNC_D	6018	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37718.362	19532.003	1.1	14
BBNC_D	6019	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37717.405	19536.239	1	12
BBNC_D	6020	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37714.743	19538.88	2.5	16
BBNC_D	6021	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37710.202	19534.023	1.7	18

BBNC_D	6022	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37707.774	19532.725	1.5	14
BBNC_D	6023	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37713.991	19590.231	3	20
BBNC_D	6024	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37709.565	19591.184	1.2	12
BBNC_D	6025	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37705.218	19595.197	1.2	14
BBNC_D	6026	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37705.206	19597.826	2.2	16
BBNC_D	6027	<i>Khaya senegalensis</i>	Meliaceae	Exotic	Cultivated only	Tree	37692.491	19601.412	1.8	20
BBNC_D	6028	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37693.692	19591.919	2.5	20
BBNC_D	6029	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37686.491	19593.806	1.1	20
BBNC_D	6030	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37685.404	19587.769	1	12
BBNC_D	6031	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37689.574	19577.782	1.1	12
BBNC_D	6032	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37674.791	19584.307	1	12
BBNC_D	6033	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37670.241	19583.931	1	12
BBNC_D	6034	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37668.076	19584.08	1.3	14
BBNC_D	6035	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37666.373	19582.571	1.2	14
BBNC_D	6036	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37665.864	19580.053	1.3	14
BBNC_D	6037	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37659.748	19579.136	1	12
BBNC_D	6038	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37657.334	19583.048	1.5	14
BBNC_D	6039	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37668.704	19587.101	1.5	16
BBNC_D	6040	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37676.496	19600.314	1.7	14
BBNC_D	6041	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37673.216	19601.334	2.7	25
BBNC_D	6042	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37667.376	19601.253	1.5	12
BBNC_D	6043	<i>Khaya senegalensis</i>	Meliaceae	Exotic	Cultivated only	Tree	37676.975	19608.61	2.2	24
BBNC_D	6044	<i>Khaya senegalensis</i>	Meliaceae	Exotic	Cultivated only	Tree	37663.439	19610.934	2.2	22
BBNC_D	6045	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37659.96	19606.44	1.6	18
BBNC_D	6046	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37658.192	19614.819	1.7	20
BBNC_D	6047	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37651.798	19618.755	1.4	12
BBNC_D	6048	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37649.28	19626.678	2.5	20
BBNC_D	6049	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37643.688	19618.722	2.4	20
BBNC_D	6050	<i>Samanea saman</i>	Fabaceae	Exotic	Casual	Tree	37637.382	19624.696	2.7	20
BBNC_D	6051	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37632.961	19636.672	1.6	18
BBNC_D	6052	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37633.143	19646.656	1.4	15
BBNC_D	6053	<i>Syzygium aqueum</i>	Myrtaceae	Exotic	Cultivated only	Tree	37621.204	19689.128	1.2	10
BBNC_D	6054	<i>Ficus benjamina</i>	Moraceae	Cryptogenic	-	Strangler	37610.372	19689.839	1.1	12
BBNC_D	6055	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37598.389	19687.584	2	12
BBNC_D	6056	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37601.794	19687.467	1.2	25
BBNC_D	6057	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37600.507	19684.856	1.1	18
BBNC_D	6058	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37599.342	19683.635	2.4	25
BBNC_D	6059	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37610.018	19677.528	1.6	25
BBNC_D	6060	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37602.598	19675.708	2.1	25
BBNC_D	6061	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37608.681	19675.497	2	10
BBNC_D	6062	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37606.501	19675.373	1	12
BBNC_D	6063	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37401.458	19696.299	1.3	12
BBNC_D	6064	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	37394.927	19684.985	1.4	12
BBNC_D	6065	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37403.14	19684.968	2.6	20
BBNC_D	6066	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37412.881	19692.105	2.5	20
BBNC_D	6068	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37413.999	19691.382	1.4	9
BBNC_D	6069	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37424.287	19678.602	1.3	17
BBNC_D	6070	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37421.82	19673.1	2.0	20
BBNC_D	6071	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37387.664	19673.32	1.1	15
BBNC_D	6072	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37367.947	19679.671	1.4	15
BBNC_D	6073	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37378.244	19680.698	1	17
BBNC_D	6074	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37384.277	19686.334	1.6	17

BBNC_D	6075	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37392.628	19696.42	1.4	15
BBNC_D	6076	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37366.5	19697.838	1	14
BBNC_D	6077	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37373.156	19691.163	1.3	15
BBNC_D	6078	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37362.939	19688.751	1.6	22
BBNC_D	6079	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37351.982	19710.119	2.4	18
BBNC_D	6080	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37357.433	19705.784	2	16
BBNC_D	6081	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37358.422	19712.877	1.4	18
BBNC_D	6082	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37355.575	19693.195	1.4	17
BBNC_D	6083	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37346.905	19691.785	1.5	16
BBNC_D	6084	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	37343.728	19679.639	2	15
BBNC_D	6085	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37337.277	19686.213	2	22
BBNC_D	6086	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37327.269	19694.738	1.1	18
BBNC_D	6087	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37329.618	19705.857	2.6	15
BBNC_D	6088	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37319.243	19698.83	2.2	20
BBNC_D	6089	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37313.57	19694.695	1	11
BBNC_D	6090	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37311.736	19694.329	1.2	15
BBNC_D	6091	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37310.293	19692.768	1	10
BBNC_D	6092	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37306.413	19692.019	2.2	10
BBNC_D	6093	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37324	19677.93	2	19
BBNC_D	6094	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37325.432	19679.818	2.2	20
BBNC_D	6095	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37339.218	19681.139	2.2	8
BBNC_D	6096	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37341.693	19678.008	2.2	20
BBNC_D	6097	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37357.223	19670.452	1.5	18
BBNC_D	6097A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37351.157	19670.453	1.2	14
BBNC_D	6098	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37331.472	19669.242	2	22
BBNC_D	6098A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37343.172	19672.786	1.2	20
BBNC_D	6099	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37329.663	19674.035	1.3	15
BBNC_D	6100	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37327.277	19668.154	2	18
BBNC_D	6101	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37946.625	19466.827	1.2	18
BBNC_D	6102	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37949.928	19469.178	1.7	18
BBNC_D	6103	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37971.734	19479.221	1	17
BBNC_D	6104	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37966.669	19480.079	2.5	8
BBNC_D	6105	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37971.082	19483.242	1.5	8
BBNC_D	6106	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37969.011	19486.372	1.1	17
BBNC_D	6107	<i>Cecropia pachystachya</i>	Urticaceae	Exotic	Naturalised	Tree	37975.291	19485.245	1.2	13
BBNC_D	6108	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37973.375	19493.15	1	18
BBNC_D	6109	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37966.206	19495.904	1.2	16
BBNC_D	6110	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37858.912	19542.237	1.1	8
BBNC_D	6110A	<i>Muntingia calabura</i>	Muntingiaceae	Exotic	Naturalised	Tree	37838.442	19547.323	1	6
BBNC_D	6111	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37862.173	19534.43	1.2	13
BBNC_D	6112	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37867.554	19532.257	1.3	10
BBNC_D	6113	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37860.882	19522.33	1.6	16
BBNC_D	6114	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37841.588	19509.476	1.9	16
BBNC_D	6115	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37837.491	19511.117	1.4	14
BBNC_D	6116	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37833.908	19513.608	1	11
BBNC_D	6117	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	37814.554	19522.216	1.5	14
BBNC_D	6118	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37811.223	19519.097	1	14
BBNC_D	6119	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37808.002	19520.596	1.2	12
BBNC_D	6120	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37806.597	19522.019	1.6	10
BBNC_D	6121	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37805.483	19524.171	1.4	9
BBNC_D	6122	<i>Alstonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	37769.799	19509.079	1.1	12
BBNC_D	6123	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37769.583	19500.905	1.2	14

BBNC_D	6124	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	37777.764	19495.528	1.5	16
BBNC_D	6125	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37786.379	19489.347	1	10
BBNC_D	6126	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37881.579	19534.323	1.1	12
BBNC_D	6127	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37884.069	19531.527	1.8	13
BBNC_D	6128	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37897.027	19527.348	1	12
BBNC_D	6129	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37899.142	19524.598	1.2	12
BBNC_D	6130	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37904.269	19530.973	1.1	13
BBNC_D	6131	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37896.803	19512.949	2.1	22
BBNC_D	6132	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37899.608	19507.372	1.3	14
BBNC_D	6133	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37894.797	19502.149	1.2	14
BBNC_D	6134	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37894.379	19500.037	1.1	12
BBNC_D	6135	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37893.28	19500.6	1.3	12
BBNC_D	6136	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37892.814	19500.115	1.1	12
BBNC_D	6137	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37888.03	19500.698	1.2	14
BBNC_D	6138	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37880.219	19498.749	1.3	14
BBNC_D	6139	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37878.314	19501.562	1.3	14
BBNC_D	6140	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37878.301	19512.575	1.7	16
BBNC_D	6141	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37873.2	19511.534	1	14
BBNC_D	6142	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37874.524	19509.186	1.2	14
BBNC_D	6143	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37868.542	19491.865	1.3	12
BBNC_D	6144	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37867.111	19493.346	1	7
BBNC_D	6145	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37874.27	19487.856	1	14
BBNC_D	6146	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37876.33	19489.571	1.1	14
BBNC_D	6147	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37877.16	19489.049	1	11
BBNC_D	6148	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37879.932	19488.007	1.3	16
BBNC_D	6149	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37881.964	19483.887	1.3	14
BBNC_D	6150	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37875.824	19481.958	1.2	15
BBNC_D	6151	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37874.356	19479.909	1.4	16
BBNC_D	6152	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37854.431	19483.978	1.5	15
BBNC_D	6153	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37847.802	19477.847	1.1	14
BBNC_D	6154	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37846.375	19471.736	1.3	12
BBNC_D	6155	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37841.006	19476.899	1.2	12
BBNC_D	6156	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37836.691	19479.337	1.4	16
BBNC_D	6157	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37833.211	19488.41	1.3	14
BBNC_D	6158	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37831.912	19492.109	1.3	14
BBNC_D	6159	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37825.505	19495.304	1.3	12
BBNC_D	6201	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37541.226	19491.012	1.4	18
BBNC_D	6202	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37536.787	19486.023	1.1	18
BBNC_D	6203	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37526.867	19488.842	1.3	14
BBNC_D	6204	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37525.731	19492.972	1.2	18
BBNC_D	6205	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.722	19498.342	1.3	16
BBNC_D	6206	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.057	19501.505	1.1	18
BBNC_D	6207	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37526.546	19507.721	1.5	18
BBNC_D	6208	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37529.159	19508.693	1.1	18
BBNC_D	6209	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37533.257	19511.108	1.2	14
BBNC_D	6210	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37515.013	19522.068	1.1	18
BBNC_D	6211	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.086	19529.138	1	8
BBNC_D	6212	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37516.016	19530.897	1.6	18
BBNC_D	6213	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37517.444	19535.531	1.1	18
BBNC_D	6214	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37521.607	19533.158	1.9	20
BBNC_D	6215	<i>Hevea cf. brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37527.715	19529.529	1.1	16
BBNC_D	6216	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37527.811	19534.642	1.1	14



BBNC_D	6217	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37526.401	19535.122	1.1	16
BBNC_D	6218	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37525.793	19538.669	2.8	20
BBNC_D	6219	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37529.982	19541.126	1.4	20
BBNC_D	6220	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.016	19541.577	1.4	18
BBNC_D	6221	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37505.396	19543.028	1.3	20
BBNC_D	6222	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37512.392	19548.762	1.6	20
BBNC_D	6223	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37510.898	19551.641	1	18
BBNC_D	6224	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37511.359	19552.782	1.1	16
BBNC_D	6225	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37514.865	19563.863	1.4	20
BBNC_D	6226	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37518.957	19571.489	1.4	18
BBNC_D	6227	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37520.108	19570.86	2.8	20
BBNC_D	6228	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37531.319	19569.753	2.3	22
BBNC_D	6229	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37535.522	19567.65	1.4	25
BBNC_D	6230	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	<b>37328.318</b>	<b>19660.427</b>	1.6	12
BBNC_D	6231	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37329.398	19659.084	1.5	12
BBNC_D	6232	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37331.097	19657.91	1.6	12
BBNC_D	6233	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37332.136	19658.036	1.4	14
BBNC_D	6234	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37333.421	19658.899	2	16
BBNC_D	6235	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37335.983	19659.1	2.8	16
BBNC_D	6236	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37341.819	19650.262	1	14
BBNC_D	6237	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37343.638	19648.54	1	14
BBNC_D	6238	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37348.334	19643.918	1.2	16
BBNC_D	6239	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37352.82	19641.975	1.5	18
BBNC_D	6240	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37355.767	19640.346	3	18
BBNC_D	6241	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37363.158	19645.217	1.6	20
BBNC_D	6242	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37360.548	19645.583	1	14
BBNC_D	6243	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37366.512	19649.55	1.1	18
BBNC_D	6244	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37368.537	19651.992	2.5	20
BBNC_D	6245	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37363.446	19653.065	1.1	14
BBNC_D	6246	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37361.81	19654.882	2.6	20
BBNC_D	6247	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37360.445	19654.824	1.3	20
BBNC_D	6248	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37358.589	19652.469	3.6	25
BBNC_D	6249	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37358.021	19649.963	1	12
BBNC_D	6250	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37355.241	19649.313	1.8	20
BBNC_D	6251	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	37353.233	19650.305	2.4	20
BBNC_D	6252	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37351.216	19649.954	1.2	16
BBNC_D	6253	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37366.521	19647.325	1.8	20
BBNC_D	6254	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37379.704	19647.707	2.9	20
BBNC_D	6255	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37379.693	19642.637	2.6	25
BBNC_D	6256	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37373.125	19629.396	1.6	20
BBNC_D	6257	<i>Dimocarpus cf. lichi</i>	Sapindaceae	Native	Data deficient	Tree	37383.119	19622.088	1.6	18
BBNC_D	6258	<i>Dimocarpus lichi</i>	Sapindaceae	Native	Data deficient	Tree	37382.727	19636.327	1.6	14
BBNC_D	6259	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37397.675	19643.315	4	25
BBNC_D	6260	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	37397.023	19630.927	3	25
BBNC_D	6261	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37407.917	19646.615	2.4	16
BBNC_D	6262	<i>Averrhoa carambola</i>	Oxalidaceae	Exotic	Casual	Tree	37408.09	19649.256	1.5	8
BBNC_D	6263	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37404.307	19650.993	1.5	20
BBNC_D	6264	<i>Dimocarpus cf. longan</i>	Sapindaceae	Exotic	Casual	Tree	37396.262	19655.474	1.6	14
BBNC_D	6265	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37390.071	19658.933	2.5	25
BBNC_D	6266	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37416.183	19641.627	1.2	14
BBNC_D	6267	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37425.235	19622.043	1.4	14
BBNC_D	6268	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37433.298	19611.332	1.4	8

BBNC_D	6269	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37421.705	19610.064	1.4	18
BBNC_D	6270	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37420.93	19604.359	1	16
BBNC_D	6271	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37432.922	19582.468	1.5	20
BBNC_D	6272	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37438.922	19581.453	1.7	20
BBNC_D	6273	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37443.481	19589.975	1.6	18
BBNC_D	6274	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37446.515	19581.528	1.8	20
BBNC_D	6275	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37448.297	19577.13	1.4	18
BBNC_D	6276	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37456.327	19587.034	2	20
BBNC_D	6277	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37465.367	19585.88	3	20
BBNC_D	6278	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37467.423	19577.652	1.4	18
BBNC_D	6279	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37471.438	19574.796	1.6	18
BBNC_D	6280	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37469.958	19568.33	1.5	18
BBNC_D	6281	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37472.686	19562.92	1	18
BBNC_D	6282	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37474.32	19561.14	1.6	22
BBNC_D	6283	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37473.645	19558.114	1.1	18
BBNC_D	6284	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37479.83	19556.764	1.2	22
BBNC_D	6285	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37490.012	19562.65	1	16
BBNC_D	6286	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37489.844	19565.829	1.2	22
BBNC_D	6287	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37488.721	19565.875	1	18
BBNC_D	6288	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37487.821	19569.352	1.4	16
BBNC_D	6289	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37484.62	19572.426	1.1	16
BBNC_D	6290	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37494.072	19575.058	1.5	18
BBNC_D	6291	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37494.719	19579.057	1	18
BBNC_D	6292	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37507.31	19582.592	1	18
BBNC_D	6293	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37508.437	19587.548	1.1	18
BBNC_D	6294	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37507.409	19588.784	1.1	18
BBNC_D	6295	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37500.753	19597.076	1.6	18
BBNC_D	6296	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37498.792	19597.088	1.5	20
BBNC_D	6297	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37491.048	19596.879	1.1	18
BBNC_D	6298	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37489.151	19593.449	1.1	18
BBNC_D	6299	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37489.623	19594.167	1.1	18
BBNC_D	6300	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37475.694	19591.293	1.6	18
BBNC_D	6301	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37326.571	19671.377	2.4	14
BBNC_D	6302	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37323.584	19672.081	1	10
BBNC_D	6303	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37478.412	19550.189	1.3	14
BBNC_D	6304	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37534.782	19584.267	1.1	12
BBNC_D	6305	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37537.18	19585.265	2.2	12
BBNC_D	6306	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37488.814	19609.807	1	12
BBNC_D	6307	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37473.178	19610.12	1.8	16
BBNC_D	6308	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37463.822	19617.381	1.3	16
BBNC_D	6309	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37458.417	19613.654	1.1	12
BBNC_D	6310	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37456.026	19609.492	1	13
BBNC_D	6311	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37457.107	19607.77	1.1	18
BBNC_D	6312	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37461.224	19610.5	1.1	15
BBNC_D	6313	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37463.594	19606.412	1.3	15
BBNC_E	6341	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37682.713	18174.383	1	14
BBNC_E	6342	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37691.771	18183.579	1.2	12
BBNC_E	6343	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37703.172	18190.927	1.2	20
BBNC_E	6344	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37699.28	18196.364	1.5	14
BBNC_E	6345	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37710.484	18202.292	1.2	18
BBNC_E	6346	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37707.525	18204.13	1.2	14
BBNC_E	6347	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37710.101	18207.187	1.1	14

BBNC_E	6348	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37718.22	18214.802	1.5	16
BBNC_E	6349	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37721.182	18215.694	1	12
BBNC_E	6350	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37725.241	18211.693	1.2	14
BBNC_E	6351	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37730.411	18206.781	1.4	14
BBNC_E	6352	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37740.773	18216.628	1.5	16
BBNC_E	6353	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37746.246	18216.511	1.3	16
BBNC_E	6354	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37748.221	18217.313	1.4	18
BBNC_E	6355	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37761.027	18214.827	1.3	16
BBNC_E	6356	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37765.518	18217.924	1.5	16
BBNC_E	6357	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37770.087	18216.588	1.1	14
BBNC_E	6358	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37767.838	18212.657	1.2	16
BBNC_E	6359	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37779.191	18217.795	1.5	16
BBNC_E	6360	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37777.722	18219.807	1.3	16
BBNC_E	6361	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37783.16	18226.854	3	20
BBNC_E	6362	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37780.242	18233.77	1.4	12
BBNC_E	6363	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37789.608	18223.03	1.3	18
BBNC_E	6364	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37795.384	18215.479	1.3	18
BBNC_E	6365	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	37796.497	18214.144	1.4	10
BBNC_E	6366	<i>Elaeocarpus petiolatus</i>	Eleaeocarpaceae	Native	Common	Tree	37790.999	18210.449	1.2	14
BBNC_E	6367	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37776.198	18187.704	0.3	3
BBNC_E	6368	<i>Macaranga hullettii</i>	Euphorbiaceae	Native	Critically endangered	Tree	37773.379	18191.15	0.7	3
BBNC_E	6369	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37756.796	18189.746	1	10
BBNC_E	6370	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37754.691	18197.562	1.2	18
BBNC_E	6371	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37758.721	18203.529	1.6	16
BBNC_E	6372	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37748.733	18206.47	1.4	16
BBNC_E	6373	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37737.421	18190.47	3	18
BBNC_E	6374	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37742.606	18182.644	1.8	18
BBNC_E	6375	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37756.312	18178.779	1.1	16
BBNC_E	6376	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37762.049	18179.577	1.3	18
BBNC_E	6377	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37742.864	18178.54	1.1	18
BBNC_E	6378	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37740.046	18172.03	1.1	20
BBNC_E	6379	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37742.09	18168.88	1	20
BBNC_E	6380	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37724.163	18184.252	1.2	14
BBNC_E	6381	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37723.537	18183.896	1.2	14
BBNC_E	6382	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37726.277	18182.984	1	8
BBNC_E	6383	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37730.986	18193.895	1.1	14
BBNC_E	6384	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37717.143	18192.503	2.1	12
BBNC_E	6385	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37713.389	18190.96	1	12
BBNC_E	6386	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37706.165	18183.864	1	18
BBNC_E	6387	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37675.741	18201.411	1	12
BBNC_E	6388	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37674.07	18207.776	1.2	18
BBNC_E	6389	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37672.073	18215.126	2.3	30
BBNC_E	6393	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37647.224	18208.957	1.5	16
BBNC_E	6396	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37684.921	18214.404	1.1	16
BBNC_E	6397	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37693.109	18209.912	1.2	20
BBNC_E	6398	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37693.389	18205.029	1.6	16
BBNC_E	6399	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37697.732	18211.264	1.3	16
BBNC_E	6400	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38068.742	18199.138	1	14
BBNC_E	6402	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38005.537	18137.282	1.2	15
BBNC_E	6403	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38000.66	18134.547	1.3	13
BBNC_E	6404	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37993.687	18140.109	1	14
BBNC_E	6405	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37986.28	18131.967	1	14

BBNC_E	6406	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38007.06	18097.368	1.1	12
BBNC_E	6407	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38007.553	18101.014	1	12
BBNC_E	6408	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37969.423	18143.662	1	15
BBNC_E	6409	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37982.885	18165.22	1	15
BBNC_E	6410	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37980.77	18163.852	1	16
BBNC_E	6411	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37989.321	18157.93	1	11
BBNC_E	6412	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37993.093	18155.556	1.3	15
BBNC_E	6413	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37989.408	18152.613	1.2	12
BBNC_E	6414	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	37980.129	18155.256	1.8	18
BBNC_E	6415	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37992.234	18147.493	1.3	12
BBNC_E	6416	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38005.714	18150.987	1.3	15
BBNC_E	6417	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	38003.818	18155.322	0.5	6
BBNC_E	6418	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38006.125	18154.566	1	13
BBNC_E	6419	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37999.789	18168.115	1.4	15
BBNC_E	6420	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37994.794	18165.581	1.3	16
BBNC_E	6421	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37987.919	18171.947	1.2	14
BBNC_E	6422	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37984.279	18169.154	1	13
BBNC_E	6423	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37971.646	18189.873	1.3	16
BBNC_E	6424	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37968.243	18199.848	1	12
BBNC_E	6425	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37979.6	18190.284	1.2	14
BBNC_E	6426	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37977.354	18179.71	1.1	13
BBNC_E	6427	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37950.161	18214.412	1	16
BBNC_E	6428	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37944.892	18213.856	1.1	15
BBNC_E	6429	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37933.784	18223.641	1.1	15
BBNC_E	6430	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37928.219	18218.305	1	14
BBNC_E	6431	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37893.135	18221.737	1	15
BBNC_E	6432	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37868.817	18226.912	1	12
BBNC_E	6433	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37843.641	18230.183	1	12
BBNC_E	6434	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37843.428	18231.368	1	13
BBNC_E	6435	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37849.413	18228.047	1.7	12
BBNC_E	6436	<i>Ixonanthes reticulata</i>	Ixonanthaceae	Native	Common	Tree	37866.475	18241.322	1.7	13
BBNC_E	6437	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37871.583	18244.336	1.7	15
BBNC_E	6438	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37873.542	18238.402	1.2	10
BBNC_E	6439	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	37879.772	18247.08	1	6
BBNC_E	6440	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37869.432	18248.47	1	13
BBNC_E	6441	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37849.706	18262.388	1	13
BBNC_E	6442	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37848.942	18259.093	1	13
BBNC_E	6443	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37844.529	18259.467	1	13
BBNC_E	6444	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37831.329	18243.096	1	15
BBNC_E	6445	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37840.672	18314.676	1.1	12
BBNC_E	6446	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37858.798	18341.129	1.1	12
BBNC_E	6447	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37953.578	18220.635	1.1	9
BBNC_E	6448	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37947.966	18221.875	1	9
BBNC_E	6449	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37942.864	18224.483	1	9
BBNC_E	6450	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37912.405	18225.046	1.1	13
BBNC_E	6451	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37911.25	18229.28	1	13
BBNC_E	6452	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	37918.824	18238.076	1.3	18
BBNC_E	6453	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37908.416	18246.635	1	12
BBNC_E	6454	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37898.65	18243.395	1	12
BBNC_E	6455	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37898.822	18234.096	1.7	15
BBNC_E	6456	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37890.58	18246.457	1	14
BBNC_E	6457	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37883.3	18261.497	1	12

BBNC_E	6458	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37887.507	18266.139	1.2	13
BBNC_E	6459	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37879.063	18261.411	1.3	12
BBNC_E	6460	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37875.135	18271.339	1.3	15
BBNC_E	6461	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37871.651	18284.796	1.3	12
BBNC_E	6462	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37862.429	18289.332	1	10
BBNC_E	6463	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37862.747	18289.331	1	8
BBNC_E	6464	<i>Rhodamnia cinerea</i>	Myrtaceae	Native	Common	Tree	37862.968	18273.381	1	9
BBNC_E	6465	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37848.946	18278.92	1	11
BBNC_E	6466	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37827.141	18314.048	1.8	10
BBNC_E	6466A	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37810.932	18338.449	1	8
BBNC_E	6467	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37850.858	18303.323	1.1	7
BBNC_E	6468	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37866.123	18295.436	1.5	11
BBNC_E	6469	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37868.386	18300.94	1.2	15
BBNC_E	6470	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37867.269	18305.332	1.1	8
BBNC_E	6471	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37878.091	18293.433	1.3	11
BBNC_E	6472	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37885.729	18291.436	1.3	14
BBNC_E	6473	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37888.548	18287.942	1	8
BBNC_E	6474	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37884.746	18294.783	1.2	10
BBNC_E	6475	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37885.109	18300.028	1.8	12
BBNC_E	6476	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37893.289	18276.113	1.2	12
BBNC_E	6477	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37949.313	18239.283	1.5	18
BBNC_E	6478	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37956.267	18235.04	1	14
BBNC_E	6479	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37958.129	18234.299	1.2	16
BBNC_E	6480	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37958.062	18229.873	1.2	16
BBNC_E	6481	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37964.944	18215.944	1.1	18
BBNC_E	6482	<i>Adenantha pavonina</i>	Fabaceae	Exotic	Naturalised	Tree	37998.484	18199.105	1.3	15
BBNC_E	6483	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38002.22	18203.065	1.8	18
BBNC_E	6484	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38014.335	18201.254	2	19
BBNC_E	6485	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	38016.69	18209.34	2	20
BBNC_E	6486	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38013.71	18223.624	1	13
BBNC_E	6487	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38020.565	18227.096	2.2	20
BBNC_E	6488	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37998.206	18240.895	2	20
BBNC_E	6489	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38003.356	18243.156	1.5	18
BBNC_E	6490	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37999.623	18223.696	1.8	14
BBNC_E	6491	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37993.808	18219.748	1.6	14
BBNC_E	6492	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37993.077	18216.243	2	16
BBNC_E	6493	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37990.574	18233.542	1.3	16
BBNC_E	6494	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38002.395	18232.473	1.6	16
BBNC_E	6495	<i>Macaranga confera</i>	Euphorbiaceae	Native	Common	Tree	37981.009	18249.708	1	15
BBNC_E	6496	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37970.768	18239.87	1.6	15
BBNC_E	6497	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37976.881	18228.821	1	15
BBNC_E	6498	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37967.652	18223.288	1	16
BBNC_E	6499	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37989.096	18205.616	1.6	14
BBNC_E	6500	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38003.089	18216.372	1.5	16
BBNC_D	6501	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37530.834	19555.974	1.1	14
BBNC_D	6502	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37532.256	19546.193	1.2	12
BBNC_D	6502A	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37546.171	19542.077	1	11
BBNC_D	6503	<i>Macaranga hullettii</i>	Euphorbiaceae	Native	Critically endangered	Tree	37536.379	19542.449	0.3	5
BBNC_D	6504	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37532.102	19533.203	1.2	15
BBNC_D	6505	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37543.565	19530.859	1	13
BBNC_D	6506	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37544.731	19525.848	1.4	16
BBNC_D	6507	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37566.207	19524.519	1.6	12

BBNC_D	6508	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37570.451	19526.124	1.4	13
BBNC_D	6509	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37568.208	19540.751	1.1	12
BBNC_D	6510	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37578.894	19540.735	1.1	16
BBNC_D	6511	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37579.384	19526.804	1.1	16
BBNC_D	6512	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37575.068	19514.046	1.2	14
BBNC_D	6513	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37586.202	19523.535	1	13
BBNC_D	6513A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37597.461	19525.589	1.8	14
BBNC_D	6514	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37580.364	19508.869	1	14
BBNC_D	6515	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37504.893	19631.229	1.2	12
BBNC_D	6516	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37510.354	19628.812	1.6	16
BBNC_D	6517	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37490.768	19622.329	1.1	11
BBNC_D	6518	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37487.15	19623.548	1	12
BBNC_D	6519	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37480.866	19635.372	1.4	13
BBNC_D	6520	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37524.699	19630.588	1	15
BBNC_D	6521	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37595.942	19687.186	1.4	13
BBNC_D	6522	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37594.034	19684.57	1.6	12
BBNC_D	6523	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37589.087	19663.838	1.8	16
BBNC_D	6524	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37590.883	19661.022	1.2	12
BBNC_D	6525	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37591.617	19657.365	1.6	12
BBNC_D	6526	<i>Claoxylon indicum</i>	Euphorbiaceae	Native	Common	Tree	37583.342	19656.112	1.4	14
BBNC_D	6527	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37621.3	19641.226	2.4	13
BBNC_D	6528	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37626.144	19637.405	1.7	14
BBNC_D	6529	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37627.801	19633.934	1.2	13
BBNC_D	6530	<i>Tabebuia rosea</i>	Bignoniaceae	Exotic	Casual	Tree	37623.755	19627.799	1.8	14
BBNC_D	6533A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38008.364	19118.189	2.2	18
BBNC_D	6539A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38018.381	19145.209	1.8	18
BBNC_D	6539B	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38012.05	19140.328	1.5	16
BBNC_D	6558A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37993.38	19127.939	3.2	20
BBNC_D	6562A	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37984.084	19142.869	1.2	12
BBNC_D	6580A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38077.742	19154.682	1.5	20
BBNC_D	6584A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38093.055	19172.32	1.3	8
BBNC_D	6587A	<i>Terminalia catappa</i>	Combretaceae	Native	Common	Tree	38032.389	19172.348	2	18
BBNC_E	6589	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37689.626	18146.506	1.1	8
BBNC_E	6590	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37690.524	18147.02	1.3	8
BBNC_E	6591	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37698.293	18137.418	4.4	15
BBNC_E	6592	<i>Pterocarpus indicus</i>	Fabaceae	Exotic	Casual	Tree	37712.259	18139.909	3.9	15
BBNC_E	6593	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37715.733	18158.082	3.2	12
BBNC_E	6594	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37710.148	18174.172	1.4	10
BBNC_E	6595	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37717.61	18175.368	1.2	8
BBNC_E	6596	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37728.142	18172.383	1.3	11
BBNC_E	6597	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37735.436	18177.251	1	13
BBNC_E	6598	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37742.348	18178.145	1.8	14
BBNC_E	6599	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37778.143	18180.894	5.8	16
BBNC_E	6600	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37775.763	18178.102	1.2	13
BBNC_E	6601	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37702.266	18202.582	1.4	16
BBNC_E	6602	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37708.231	18208.288	1.7	22
BBNC_E	6603	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37712.103	18211.898	1	16
BBNC_E	6604	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37650.995	18206.969	1.4	16
BBNC_E	6605	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37807.938	18193.029	1.7	10
BBNC_E	6606	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37807.309	18205.6	1.7	18
BBNC_E	6607	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37809.962	18214.836	1.1	14
BBNC_E	6608	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37812.06	18218.653	1.3	12

BBNC_E	6609	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37817.181	18218.437	1.4	14
BBNC_E	6610	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37820.747	18225.368	1.4	16
BBNC_E	6611	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37823.856	18230.109	1	12
BBNC_E	6612	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37824.708	18240.461	1	14
BBNC_E	6613	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37823.28	18252.147	1.3	16
BBNC_E	6614	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37825.88	18250.855	1.2	18
BBNC_E	6615	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37820.096	18255.364	1.3	14
BBNC_E	6616	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37824.61	18260.863	1.6	18
BBNC_E	6617	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37818.724	18266.158	1.2	11
BBNC_E	6618	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37801.482	18246.106	1.4	12
BBNC_E	6620	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37786.678	18264.801	1	7
BBNC_E	6621	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37800.54	18275.777	1.2	12
BBNC_E	6622	<i>Macaranga heynei</i>	Euphorbiaceae	Native	Common	Tree	37804.296	18274.824	1	6
BBNC_E	6623	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37818.868	18276.044	1.1	14
BBNC_E	6624	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37823.934	18289.164	1.1	8
BBNC_E	6625	<i>Lindera lucida</i>	Lauraceae	Native	Vulnerable	Tree	37828.682	18290.05	0.5	8
BBNC_E	6626	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37828.791	18295.908	1	10
BBNC_E	6627	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37833.407	18307.409	1	8
BBNC_E	6628	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37835.54	18316.014	1	8
BBNC_E	6629	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37836.433	18322.824	1.6	9
BBNC_E	6630	<i>Xanthophyllum ellipticum</i>	Polygalaceae	Native	Critically endangered	Tree	37818.863	18325.553	1	6
BBNC_E	6631	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37836.769	18278.122	1	12
BBNC_E	6632	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37844.998	18279.707	1.4	10
BBNC_E	6633	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37826.77	18243.079	1	16
BBNC_E	6634	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37832.853	18234.802	2.2	10
BBNC_E	6635	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37835.809	18227.726	1.1	12
BBNC_E	6636	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37835.757	18221.17	1.1	10
BBNC_E	6637	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37833.05	18216.57	1.1	16
BBNC_E	6638	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37827.896	18217.351	1.1	12
BBNC_E	6639	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37827.901	18213.918	1	10
BBNC_E	6640	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37827.172	18217.096	1.1	14
BBNC_E	6641	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37831.373	18212.487	1.1	16
BBNC_E	6642	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37831.569	18206.833	1	16
BBNC_E	6643	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37829.267	18202.479	1.2	12
BBNC_E	6644	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37832.201	18203.307	1.1	16
BBNC_E	6645	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37836.506	18205.577	1	10
BBNC_E	6646	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37833.032	18206.741	1.4	14
BBNC_E	6647	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37845.689	18210.768	1.5	10
BBNC_E	6648	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37842.229	18214.095	1.1	16
BBNC_E	6649	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37848.152	18203.43	1.2	16
BBNC_E	6650	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37847.161	18194.389	1.2	18
BBNC_E	6651	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37836.673	18193.397	1.1	16
BBNC_E	6652	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37836.076	18191.786	1	18
BBNC_E	6653	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37833.018	18196.118	1.1	16
BBNC_E	6654	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37829.784	18201.321	1	16
BBNC_E	6655	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37829.665	18198.892	1.1	14
BBNC_E	6656	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37827.829	18194.871	1.1	16
BBNC_E	6657	<i>Ficus vasculosa</i>	Moraceae	Native	Vulnerable	Tree	37828.031	18194.994	1.9	25
BBNC_E	6658	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37832.732	18192.24	1.1	16
BBNC_E	6659	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37835.82	18191.774	1.1	16
BBNC_E	6660	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37839.773	18190.371	1	18
BBNC_E	6661	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37832.58	18187.472	1.1	16

BBNC_E	6662	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37823.811	18182.576	1.1	14
BBNC_E	6663	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37819.325	18207.718	1.1	14
BBNC_E	6664	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37851.037	18185.907	1.2	16
BBNC_E	6665	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37863.699	18194.904	1	16
BBNC_E	6666	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37865.385	18195.368	1.2	16
BBNC_E	6667	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37854.867	18220.667	1.4	12
BBNC_E	6668	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37853.322	18222.947	1	12
BBNC_E	6669	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37869.71	18195.086	1.4	18
BBNC_E	6670	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37875.863	18191.091	1.1	18
BBNC_E	6671	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37877.651	18196.605	1.2	25
BBNC_E	6672	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37880.551	18190.228	1	16
BBNC_E	6673	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37884.518	18188.79	1.2	14
BBNC_E	6674	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37869.932	18183.171	1	16
BBNC_E	6701	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37793.846	18190.783	1.3	14
BBNC_E	6702	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37811.755	18195.471	1	14
BBNC_E	6703	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37823.296	18179.191	1	12
BBNC_E	6704	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37836.224	18167.825	1.3	12
BBNC_E	6705	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37842.527	18165.718	1.2	11
BBNC_E	6706	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37846.544	18167.131	1.1	10
BBNC_E	6707	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37849.702	18164.389	1.2	10
BBNC_E	6708	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37852.948	18168.062	1.1	10
BBNC_E	6709	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37873.176	18158.357	1.1	11
BBNC_E	6710	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37884.222	18156.826	1.8	8
BBNC_E	6711	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37887.757	18159.133	1	10
BBNC_E	6712	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37889.773	18154.345	1.2	11
BBNC_E	6713	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37897.102	18155.133	1.2	12
BBNC_E	6714	<i>Macaranga confiera</i>	Euphorbiaceae	Native	Common	Tree	37901.999	18154.15	1.3	10
BBNC_E	6715	<i>Macaranga hulletii</i>	Euphorbiaceae	Native	Critically endangered	Tree	37903.45	18156.773	0.5	6
BBNC_E	6716	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37913.907	18161.588	1	12
BBNC_E	6717	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37912.957	18166.223	1	10
BBNC_E	6718	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37964.193	18130.247	1.6	8
BBNC_E	6719	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37968.503	18123.999	1	13
BBNC_E	6720	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37969.336	18121.864	1.1	13
BBNC_E	6721	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37973.148	18117.504	1.2	13
BBNC_E	6722	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37978.953	18118.102	1	13
BBNC_E	6723	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37979.88	18121.256	0.3	6
BBNC_E	6724	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37976.832	18115.032	1.4	14
BBNC_E	6725	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38007.452	18087.979	1	11
BBNC_E	6726	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38011.471	18080.612	2	12
BBNC_E	6727	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38010.967	18077.991	1.1	12
BBNC_E	6728	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	38017.508	18113.254	1.3	12
BBNC_E	6729	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	38022.101	18116.011	0.7	9
BBNC_E	6735	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37736.125	18154.715	1.4	13
BBNC_E	6736	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37745.956	18155.659	1.3	15
BBNC_E	6737	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37751.902	18151.372	1.1	12
BBNC_E	6738	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37766.898	18154.183	1	18
BBNC_E	6739	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37776.291	18156.837	1.1	16
BBNC_E	6740	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37779.481	18157.704	1.1	18
BBNC_E	6741	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37778.735	18162.053	1.4	15
BBNC_E	6742	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37783.517	18158.821	1	16
BBNC_E	6743	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37797.636	18153.948	1.8	20
BBNC_E	6744	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37792.389	18147.286	2	20



BBNC_E	6745	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37808.954	18151.505	1.7	16
BBNC_E	6746	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37813.003	18151.048	1.3	17
BBNC_E	6747	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37809.411	18158.906	1.6	17
BBNC_E	6748	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37806.311	18164.005	2.2	20
BBNC_E	6749	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37800.987	18172.933	1.3	18
BBNC_E	6750	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37800.659	18172.912	0.7	10
BBNC_E	6751	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37882.317	18133.876	1.2	12
BBNC_E	6752	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37892.337	18128.419	1	14
BBNC_E	6753	<i>Melicope lunu-ankenda</i>	Rutaceae	Native	Critically endangered	Tree	37893.735	18135.265	0.9	11
BBNC_E	6754	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37899.138	18117.274	1.4	15
BBNC_E	6755	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37904.928	18118.566	1	12
BBNC_E	6756	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37910.979	18110.195	1.1	16
BBNC_E	6757	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37909.8	18102.114	1	15
BBNC_E	6758	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37915.998	18092.302	1.4	13
BBNC_E	6759	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37922.905	18094.421	1.2	16
BBNC_E	6760	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37924.599	18098.407	1.2	14
BBNC_E	6761	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37922.206	18112.22	1	16
BBNC_E	6762	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37922.559	18108.272	1	18
BBNC_E	6763	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37916.884	18118.587	1.3	15
BBNC_E	6764	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37916.637	18122.709	1.2	14
BBNC_E	6765	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37907.759	18134.188	1.2	16
BBNC_E	6766	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37904.984	18131.741	1	13
BBNC_E	6767	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37901.337	18160.69	1.1	10
BBNC_E	6768	<i>Camposperma auriculatum</i>	Anacardiaceae	Native	Common	Tree	37915.912	18183.64	1	15
BBNC_E	6769	<i>Litsea umbellata</i>	Lauraceae	Native	Vulnerable	Tree	37913.638	18188.629	1.1	16
BBNC_E	6770	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37907.989	18193.94	1.2	13
BBNC_E	6771	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	37902.141	18178.208	0.6	12
BBNC_E	6772	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37899.581	18170.13	1	13
BBNC_E	6773	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37877.034	18177.364	1.2	16
BBNC_E	6774	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37872.735	18177.093	1	14
BBNC_E	6775	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37873.401	18180.073	1.1	15
BBNC_E	6776	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37763.713	18163.883	1.1	15
BBNC_E	6777	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37763.623	18165.203	1	15
BBNC_E	6778	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37761.057	18162.945	1	15
BBNC_E	6779	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37758.896	18161.01	1	15
BBNC_E	6780	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37752.157	18166.768	1.1	15
BBNC_E	6781	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37747.667	18167.583	0.3	8
BBNC_E	6782	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37745.048	18165.304	0.3	8
BBNC_E	6783	<i>Glochidion zeylanicum var. zeylanicum</i>	Phyllanthaceae	Native	Vulnerable	Tree	37673.057	18158.497	0.5	7
BBNC_E	6784	<i>Glochidion zeylanicum var. zeylanicum</i>	Phyllanthaceae	Native	Vulnerable	Tree	37682.552	18162.396	0.3	6
BBNC_E	6785	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37933.557	18095.367	1.4	16
BBNC_E	6786	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37935.231	18098.219	1.1	16
BBNC_E	6787	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37963.645	18119.049	1.1	17
BBNC_E	6788	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37989.47	18076.351	1	16
BBNC_E	6789	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37987.631	18064.225	2	18
BBNC_E	6790	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37978.538	18067.983	1.1	13
BBNC_E	6791	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37977.575	18074.39	1.9	18
BBNC_E	6792	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37965.885	18084.306	1.1	14
BBNC_E	6793	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37958.854	18082.445	1.3	15
BBNC_E	6794	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37961.913	18076.052	1.5	19
BBNC_E	6795	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37960.336	18103.836	1	15
BBNC_E	6796	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37966.491	18109.529	1	15

BBNC_E	6797	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37944.368	18079.131	1.2	15
BBNC_E	6798	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37941.952	18085.461	1.5	15
BBNC_E	6799	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37936.192	18083.926	1.3	14
BBNC_E	6800	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37936.589	18095.173	1.4	15
BBNC_E	6801	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37938.56	18092.338	1.1	7
BBNC_E	6802	<i>Spathodea campanulata</i>	Bigoniaceae	Exotic	Naturalised	Tree	38005.501	18223.136	1.3	10
BBNC_E	6803	<i>Artocarpus integer</i>	Moraceae	Exotic	Casual	Tree	38037.538	18185.173	1	13
BBNC_E	6804	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38043.652	18182.747	2.1	15
BBNC_E	6805	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38014.857	18171.069	1.3	16
BBNC_E	6806	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38019.145	18176.525	1.2	16
BBNC_E	6807	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38001.765	18181.222	1.3	15
BBNC_E	6808	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37994.811	18185.327	1.5	18
BBNC_E	6809	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38013.355	18190.99	1.3	15
BBNC_E	6810	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38053.239	18105.706	1.2	12
BBNC_E	6811	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38047.606	18106.046	1.1	12
BBNC_E	6812	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38057.535	18177.12	1.2	14
BBNC_E	6813	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	38058.757	18144.889	1.2	13
BBNC_E	6814	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38066.767	18135.096	1.1	16
BBNC_E	6815	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38061.979	18129.698	1.6	12
BBNC_E	6816	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	38058.249	18119.294	1.3	12
BBNC_E	6817	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38076.294	18111.706	2.2	12
BBNC_E	6818	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	38086.825	18107.397	1.1	12
BBNC_E	6819	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38093.647	18091.793	1.3	10
BBNC_E	6820	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38091.271	18086.573	2.5	15
BBNC_E	6821	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38100.092	18095.024	2.8	15
BBNC_E	6822	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	38102.541	18084.075	2	15
BBNC_E	6823	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38098.068	18112.952	1	13
BBNC_E	6824	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38085.722	18121.882	1.2	12
BBNC_E	6825	<i>Alstonia angustiloba</i>	Apocynaceae	Native	Common	Tree	38079.01	18129.737	1.3	16
BBNC_E	6826	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38089.465	18133.412	1.2	10
BBNC_E	6827	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38068.531	18154.504	2.6	12
BBNC_E	6837	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37939.696	18263.94	0.6	7
BBNC_E	6839	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37930.901	18266.211	0.5	10
BBNC_E	6841A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37931.595	18260.6	1	16
BBNC_E	6844	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37923.285	18258.019	0.4	7
BBNC_E	6846	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37927.567	18253.258	0.5	14
BBNC_E	6850	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37912.29	18278.828	1.4	12
BBNC_E	6856	<i>Angelesia splendens</i>	Chrysobalanaceae	Native	Vulnerable	Tree	37897.616	18307.817	0.4	7
BBNC_E	6857	<i>Alstonia scholaris</i>	Apocynaceae	Exotic	Naturalised	Tree	37895.039	18308.918	1.7	18
BBNC_E	6861	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37891.483	18324.82	1.4	11
BBNC_E	6864	<i>Guioa pubescens</i>	Sapindaceae	Native	Vulnerable	Tree	37901.415	18324.389	0.3	6
BBNC_E	6866	<i>Symplocos fasciculata</i>	Symplocaceae	Native	Vulnerable	Tree	37910.309	18294.315	0.8	8
BBNC_E	6874	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37899.4	18339.61	1.2	10
BBNC_E	6875	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37902.233	18342.722	3.2	10
BBNC_E	6876	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37893.762	18351.708	1.8	12
BBNC_E	6877	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37883.856	18349.706	1.3	10
BBNC_E	6878	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37905.288	18344.279	1.2	14
BBNC_E	6880	<i>Macaranga cf. conifera</i>	Euphorbiaceae	Native	Common	Tree	37915.247	18300.843	1.2	16
BBNC_E	6882	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37922.351	18303.421	0.5	8
BBNC_E	6883	<i>Melicope lunu-ankenda</i>	Rutaceae	Native	Critically endangered	Tree	37923.454	18302.989	0.5	3
BBNC_E	6884	<i>Syzygium lineatum</i>	Myrtaceae	Native	Common	Tree	37921.688	18315.459	1.1	10
BBNC_E	6893	<i>Macaranga griffithiana</i>	Euphorbiaceae	Native	Vulnerable	Tree	37932.782	18304.709	0.3	6

BBNC_E	6898	<i>Macaranga hullettii</i>	Euphorbiaceae	Native	Critically endangered	Tree	37937.078	18286.375	1.8	18
BBNC_E	6901	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38065.662	18202.723	1.6	15
BBNC_E	6902	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38051.285	18209.872	1	10
BBNC_E	6903	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38047.631	18216.001	1.3	16
BBNC_E	6904	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38043.968	18215.991	1.2	14
BBNC_E	6905	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38047.729	18225.627	1.4	14
BBNC_E	6906	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38084.098	18213.23	1.1	10
BBNC_E	6907	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38075.426	18205.896	1	12
BBNC_E	6908	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38066.309	18213.381	1.2	12
BBNC_E	6909	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38091.414	18189.767	1.1	9
BBNC_E	6910	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38105.878	18178.881	1	11
BBNC_E	6911	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38113.867	18146.958	1.3	10
BBNC_E	6912	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	38128.862	18146.842	1.7	14
BBNC_E	6913	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38126.518	18140.696	1.1	8
BBNC_E	6914	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	38156.511	18055.673	1.2	8
BBNC_E	6925A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38012.601	18262.618	1.3	7
BBNC_E	6925B	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	38013.984	18261.45	1.3	12
BBNC_E	6969	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37868.456	18394.414	1.2	6
BBNC_E	6969a	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	37926.393	18361.501	2	6
BBNC_E	6970	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37828.849	18404.553	1.8	24
BBNC_E	6971	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Tree	37822.533	18404.764	3	5
BBNC_E	6971A	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37800.915	18398.945	1.2	12
BBNC_E	6971B	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	37790.053	18401.605	1.2	10
BBNC_E	6972	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37796.98	18343.486	1	8
BBNC_E	6986	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37776.327	18376.521	1.1	10
BBNC_E	6987	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37776.663	18379.217	1	14
BBNC_E	6988	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37785.89	18377.581	1.4	10
BBNC_E	6991	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37789.616	18381.697	1.8	16
BBNC_E	6992	<i>Macaranga conifera</i>	Euphorbiaceae	Native	Common	Tree	37790.758	18387.803	1	10
BBNC_E	6993	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37797.976	18380.787	1.2	12
BBNC_E	6994A	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37799.335	18400.456	1.5	12
BBNC_E	6995	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37815.119	18386.744	1.4	14
BBNC_E	6995A	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37839.854	18382.688	1.9	14
BBNC_E	6996	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37853.335	18337.485	1	10
BBNC_E	6997	<i>Cyrtophyllum fragrans</i>	Gentianaceae	Native	Common	Tree	37772.124	18312.965	1.4	14
BBNC_E	6998	<i>Adinandra cf. dumosa</i>	Pentaphragaceae	Native	Common	Tree	37775.314	18310.522	1.5	10
BBNC_D	7084A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37445.481	19347.587	1.5	22
BBNC_D	7084b	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37454.716	19343.3	1.4	22
BBNC_D	7093A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37475.33	19364.484	1.6	18
BBNC_D	7206A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37719.712	19450.65	1.5	16
BBNC_D	7206b	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37714.042	19447.675	1.5	16
BBNC_D	7208A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37706.347	19444.426	1.5	16
BBNC_D	7453A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37396.79	19351.92	1	15
BBNC_D	7453b	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37391.139	19354.788	1.4	18
BBNC_D	7453c	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	37382.664	19357.918	1.2	18
BBNC_D	7461A	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37355.508	19319.268	2	16
BBNC_D	7461c	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37354.123	19317.333	1.8	16
BBNC_D	7463A	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37341.494	19297.46	1.5	18
BBNC_D	7463b	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37335.382	19302.591	1.5	20
BBNC_D	7463c	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37328.972	19305.114	1.4	18
BBNC_D	7463d	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37320.188	19306.216	2	20
BBNC_D	7463e	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37317.549	19309.054	1.6	20

BBNC_D	7468A	<i>Agathis</i> sp.	Araucariaceae	Exotic	Cultivated only	Tree	37267.235	19286.894	1.1	17
BBNC_D	7468B	<i>Agathis</i> sp.	Araucariaceae	Exotic	Cultivated only	Tree	37248.474	19294.251	1.4	17
BBNC_E	7469	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	38054.743	18188.044	5	10
BBNC_E	7470	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	38088.868	18144.4	3	16
BBNC_E	7471	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Cultivated only	Palm	38096.253	18144.852	1.2	12
BBNC_E	7472	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38143.126	18075.518	1	14
BBNC_E	7473	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38139.971	18079.08	1	14
BBNC_E	7474	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38142.234	18082.471	1.3	12
BBNC_E	7475	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38136	18082.535	1.2	12
BBNC_E	7476	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38138.812	18090.999	1.1	12
BBNC_E	7477	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38136.172	18094.892	1.2	15
BBNC_E	7478	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	38131.132	18102.263	1	12
BBNC_E	7479	<i>Acacia cf. auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38120.945	18108.416	1.6	13
BBNC_E	7480	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38109.272	18133.694	1	16
BBNC_E	7481	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38110.858	18139.657	1	16
BBNC_E	7482	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	38103.623	18143.831	1.4	15
BBNC_E	7483	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38100.778	18151.324	1.6	15
BBNC_E	7484	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	38098.938	18163.012	1.2	12
BBNC_E	7485	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	38097.262	18165.963	1.2	13
BBNC_E	7486	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	38086.735	18170.806	1.2	12
BBNC_E	7487	<i>Swietenia macrophylla</i>	Meliaceae	Exotic	Casual	Tree	38085.475	18169.168	1	15
BBNC_E	7488	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	38082.123	18170.526	1	15
BBNC_E	7489	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	38078.917	18176.956	1.2	12
BBNC_E	7490	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38075.709	18179.26	1.5	14
BBNC_E	7491	<i>Ficus microcarpa</i>	Moraceae	Native	Common	Strangler	38071.777	18187.414	3	13
BBNC_E	7492	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38077.946	18193.359	1.3	16
BBNC_E	7493	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38078.904	18195.521	1.1	16
BBNC_E	7494	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	38078.604	18197.478	1.1	16
BBNC_B1 (East of Lor Sesuai)	795A	<i>Macaranga gigantea</i>	Euphorbiaceae	Native	Common	Tree	36985.08	20720.99	1.1	18
BBNC_F	8008A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37586.904	18517.306	1.2	16
BBNC_F	8008B	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37592.678	18515.646	1.1	15
BBNC_F	8008C	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37589.856	18514.999	1	15
BBNC_F	8008D	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37588.928	18514.552	1	15
BBNC_F	8010A	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37585.988	18501.369	1.2	12
BBNC_F	8067A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37348.329	18543.393	2	20
BBNC_F	8067B	<i>Vitex pinnata</i>	Lamiaceae	Native	Common	Tree	37340.46	18537.839	2	20
BBNC_F	8078A	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37351.068	18535.68	1.5	15
BBNC_F	8078B	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37354.085	18539.977	1.5	20
BBNC_F	8078C	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37398.405	18504.765	1.1	15
BBNC_F	8078d	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37404.196	18507.151	1.5	15
BBNC_F	8078E	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37456.039	18527.396	2	25
BBNC_F	8078F	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37470.153	18514.15	2	25
BBNC_F	8078G	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37474.571	18525.286	2	25
BBNC_F	8136A	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37477.58	18749.763	2	20
BBNC_F	8136B	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37468.795	18755.615	1.4	20
BBNC_F	8136C	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37459.423	18755.087	2.2	20
BBNC_F	8136D	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37448.92	18755.216	1.7	20
BBNC_F	8136E	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37439.326	18756.593	1.7	18
BBNC_F	8136F	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37429.858	18756.578	1.3	18
BBNC_F	8136G	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37412.738	18757.828	1.5	20
BBNC_F	8136H	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37394.733	18758.277	1.3	20
BBNC_F	8147A	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37385.929	18770.039	1.3	20

BBNC_F	8147B	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37381.032	18796.735	1.2	15
BBNC_F	8147C	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37374.373	18797.226	1.4	15
BBNC_F	8147D	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37365.739	18800.249	1.7	18
BBNC_F	8147E	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37353.912	18814.064	1.7	18
BBNC_F	8147F	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37341.778	18828.989	1.2	8
BBNC_F	8147G	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37334.016	18835.026	1.7	20
BBNC_F	8147H	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37320.899	18850.003	1	15
BBNC_F	8147I	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37314.779	18857.45	1.3	20
BBNC_F	8147J	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37307.14	18864.521	1.3	20
BBNC_F	8147K	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37300.34	18870.917	1.6	20
BBNC_F	8147L	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37281.619	18894.296	2	18
BBNC_F	8147M	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37280.327	18906.075	2	18
BBNC_F	8147N	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37283.308	18920.845	1.3	15
BBNC_F	8189A	<i>Hevea brasiliensis</i>	Euphorbiaceae	Exotic	Naturalised	Tree	37291.599	18726.687	1	18
BBNC_F	8190A	<i>Durio zibethinus</i>	Malvaceae	Exotic	Casual	Tree	37289.13	18785.302	1.5	18
BBNC_F	8199A	<i>Litsea elliptica</i>	Lauraceae	Native	Common	Tree	37181.066	18805.32	1.8	20
BBNC_F	8208A	<i>Falcataria moluccana</i>	Fabaceae	Exotic	Naturalised	Tree	37131.351	18944.018	1.5	20
BBNC_F	8208B	<i>Syzygium grande</i>	Myrtaceae	Native	Common	Tree	37147.085	18950.301	1.5	20
BBNC_F	8239A	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37091.907	18783.942	1.5	12
BBNC_F	8239B	<i>Cinnamomum iners</i>	Lauraceae	Native	Common	Tree	37096.329	18770.78	1	8
BBNC_F	8239C	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37109.877	18781.304	1.5	15
BBNC_F	8310A	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37122.371	18768.097	2.5	15
BBNC_F	8328a	<i>Acacia auriculiformis</i>	Fabaceae	Exotic	Naturalised	Tree	37071.531	18968.524	1.5	15
BBNC_A2	904A	<i>Spathodea campanulata</i>	Bignoniaceae	Exotic	Naturalised	Tree	37008.386	20835.511	1.4	18
BBNC_A2	945A	<i>Artocarpus elasticus</i>	Moraceae	Native	Common	Tree	37075.27	20751.14	1.6	20
BBNC_A2	945B	<i>Ficus variegata</i>	Moraceae	Native	Common	Tree	37090.72	20775.61	1.6	18

wkt_geom	Study Area	Tag ID	Species	Family	Origin	Status	Habit	Northing (	Easting (D	Girth/Spre	Height (m)	field_12
Point (20922.76900000000023283 36800.26999999999679858)	BBNC_A2	158	<i>Dimocarpus longan</i>	Sapindaceae	Exotic	Casual	Tree	36800.27	20922.769	1.7	10	
Point (20923.4680000000007567 36814.57699999999749707)	BBNC_A2	159	<i>Elaeis guineensis</i>	Arecaceae	Exotic	Casual	Palm	36814.577	20923.468	1.8	10	
Point (20913.84100000000034925 36798.05500000000029104)	BBNC_A2	157	<i>Nephelium lappaceum</i> var. <i>lappaceum</i>	Sapindaceae	Cryptogenic	-	Tree	36798.055	20913.841	1.5	16	

## **APPENDIX 3**

### **LIST OF NOISE SENSITIVE FAUNAL SPECIES**

Taxon	Scientific name	Common name	Global status	National status	Species of conservation significance	Recorded Species (Yes/No)	Sensitivity (S)
Aculeate hymenopteran	<i>Amegilla andrewsi</i>	Andrew's blue-banded digger bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Yes	Priority 2
Aculeate hymenopteran	<i>Apis andreniformis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Apis cerana</i>	Eastern honey bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Apis dorsata</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina collusor</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina dentipes</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Ceratina lieftincki</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina nigrolateralis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina perforatrix</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Homotrigona apicalis</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Tetragonula laeviceps</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Tetragonula valdezi</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Thyreus himalayensis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Xylocopa aestuans</i>	White-cheeked carpenter bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Xylocopa caerulea</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Xylocopa flavonigrescens</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Xylocopa latipes</i>	Broad-handed carpenter bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Lasioglossum albescens</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Yes	No	Priority 2
Aculeate hymenopteran	<i>Lasioglossum vagans</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Yes	No	Priority 2
Aculeate hymenopteran	<i>Nomia fuscipennis</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Nomia iridescens</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Nomia sp. aff. apicalis</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Nomia strigata</i>	Pearly-banded bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Yes	No	Priority 2
Aculeate hymenopteran	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Bembecinus sp.</i>	NA	Not Assessed	Not Assessed	No	Yes	Priority 3
Aculeate hymenopteran	<i>Dasyproctus agilis</i>	NA	Not Assessed	Not Assessed	No	Yes	Priority 3
Aculeate hymenopteran	<i>Dasyproctus sp.</i>	NA	Not Assessed	Data Deficient	No	Yes	Priority 3
Aculeate hymenopteran	<i>Liris subtessellatus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Tachytes cf. modestus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Tachytes sp.</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Trypoxylon sp.</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	Family Crabronidae	NA	Not Assessed	NA	NA	Yes	Priority 3
Aculeate hymenopteran	<i>Auplopus sp.</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Batozonellus sp.</i>	NA	Not Assessed	Data Deficient	No	Yes	Priority 3
Aculeate hymenopteran	<i>Episyron sp.</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Chalybion bengalense</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Isodontia diodon</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Sphex subtruncatus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Antepipona sp. nr. bipustulata</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Eumenes aff. punctatus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Eustenogaster hauxwelli</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Liostenogaster nitidipennis</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Liostenogaster varipicta</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3

Aculeate hymenopteran	<i>Omicroides sp.</i>	NA	Not Assessed	Data Deficient	No	Yes	Priority 3
Aculeate hymenopteran	<i>Parapolybia varia</i>	Lesser paper wasp	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Parischnogaster mellyi</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Polistes sagittarius</i>	Banded paper wasp	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Polistes tenebris</i>	NA	Not Assessed	Data Deficient	No	Yes	Priority 3
Aculeate hymenopteran	<i>Rhynchium haemorrhoidale</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia erythrospila</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia jacobsoni</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia stigma</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia sumatrae</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia timida</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Stenodyneriellus guttulatus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Vespa analis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Vespa tropica</i>	Greater banded hornet	Not Assessed	Least Concern	No	Yes	Priority 3
Odonate	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Vestalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	Yes	No	Priority 2
Odonate	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Yes	No	Priority 2
Odonate	<i>Ceriagrion cerinorubellum</i>	Ornate coral-tail	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Pseudagrion microcephalum</i>	Blue sprite	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Prodasineura humeralis</i>	Orange-striped threadtail	Not Assessed	Least Concern	No	Yes	Priority 3
Odonate	<i>Prodasineura notostigma</i>	Crescent threadtail	Not Assessed	Least Concern	No	Yes	Priority 3
Odonate	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	Yes	No	Priority 2
Odonate	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Yes	No	Priority 2
Odonate	<i>Ictinogomphus decoratus</i>	Common flangetail	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Aethriamanta brevipennis</i>	Scarlet adjutant	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Aethriamanta gracilis</i>	Pond adjutant	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Agrionoptera insignis</i>	Grenadier	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Brachydiplax chalybea</i>	Blue dasher	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Camacinia gigantea</i>	Sultan	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Chalybeothemis fluvialilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Yes	No	Priority 2
Odonate	<i>Cratilla metallica</i>	Dark-tipped forest skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Indothemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	Yes	No	Priority 2
Odonate	<i>Lathrecista asiatica</i>	Scarlet grenadier	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Neurothemis fluctuans</i>	Common parasol	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum chrysis</i>	Spine-tufted skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum glaucum</i>	Common blue skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum luzonicum</i>	Slender blue skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum testaceum</i>	Scarlet skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Pantala flavescens</i>	Wandering glider	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Pseudothemis jorina</i>	Banded skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Rhodothemis rufa</i>	Common redbolt	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Rhyothemis obsolescens</i>	Bronze flutterer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Rhyothemis phyllis</i>	Yellow-barred flutterer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Rhyothemis triangularis</i>	Sapphire flutterer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Trithemis aurora</i>	Crimson dropwing	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Trithemis festiva</i>	Indigo dropwing	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Tyriobapta torrida</i>	Treehugger	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Urothemis signata</i>	Scarlet basker	Not Assessed	Least Concern	No	Yes	Priority 3
Odonate	<i>Zyxomma petiolatum</i>	Slender duskdarter	Least Concern	Least Concern	No	Yes	Priority 3
Butterfly	<i>Ancistroides nigrata maura</i>	Chocolate demon	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Bibasis harisa consobrina</i>	Orange awlet	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Yes	No	Priority 2



Butterfly	<i>Caltoris cornasa</i>	Full stop swift	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Caltoris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Gangara lebadea lebadea</i>	Banded readeye	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Iambrix salsala salsala</i>	Chestnut bob	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Iambrix stellifer</i>	Starry bob	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Notocrypta paralyos varians</i>	Banded demon	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Oriens gola pseudolus</i>	Common dartlet	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Yes	No	Priority 2
Butterfly	<i>Pelopidas mathias mathias</i>	Small branded swift	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Plastingia naga</i>	Chequered lancer	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Potanthus omaha omaha</i>	Lesser dart	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Pyroneura latoia latoia</i>	Yellow vein lancer	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Yes	No	Priority 2
Butterfly	<i>Suastus gremius gremius</i>	Palm bob	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Yes	No	Priority 2
Butterfly	<i>Taractrocera archias quinta</i>	Yellow grass dart	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Telicota besta bina</i>	Besta palm dart	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Anthene emolus goberus</i>	Ciliate blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Yes	No	Priority 2
Butterfly	<i>Arhopala athada athada</i>	Vinous oakblue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Arhopala centaurus nakula</i>	Centaur oakblue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Arhopala eumolphus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Arhopala major major</i>	NA	Not Assessed	Data Deficient	No	Yes	Priority 3
Butterfly	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Caleta elna elvira</i>	Elbowed pierrot	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Curetis santana malayica</i>	Malayan sunbeam	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Eooxylides tharis distanti</i>	Branded imperial	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Hypolycaena erylus teatus</i>	Common tit	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Lampides boeticus</i>	Pea blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Logania marmorata damis</i>	Pale mottle	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Loxura atymnus fuconius</i>	Yamfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Yes	No	Priority 2
Butterfly	<i>Miletus sp.</i>	Unidentified brownwing	NA	NA	NA	Yes	Priority 3
Butterfly	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Semanga superba deliciosa</i>	NA	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Spalgis epius epius</i>	Apefly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Zizeeria maha serica</i>	Pale grass blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Zizina otis lampa</i>	Lesser grass blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Zizula hylax pygmaea</i>	Pygmy grass blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Acraea terpsicore</i>	Tawny coster	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Athyma nefte subrata</i>	Colour sergeant	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Cethosia cyane</i>	Leopard lacewing	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Cupha erymanthis lotis</i>	Rustic	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Doleschallia bisaltide bisaltide</i>	Autumn leaf	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Elymnias hypermnestra agina</i>	Common palmfly	Not Assessed	Not Assessed	No	Yes	Priority 3

Butterfly	<i>Elymnias panthera panthera</i>	Tawny palmfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Euthalia adonia pinwilli</i>	Green baron	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Euthalia monina monina</i>	Malay baron	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Faunis canens arcesilas</i>	Common faun	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Hypolimnas anomala anomala</i>	Malayan eggfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Hypolimnas bolina</i>	Unidentified eggfly	NA	NA	NA	Yes	Priority 3
Butterfly	<i>Junonia almana javana</i>	Peacock pansy	Least Concern	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Junonia hedonia ida</i>	Chocolate pansy	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Lasippa tiga siaka</i>	Malayan lascar	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Lethe europa malaya</i>	Bamboo tree brown	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Lexias pardalis dirteana</i>	Archduke	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Moduza procris milonia</i>	Commander	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Mycalesis mineus macromalayana</i>	Dark brand bush brown	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Mycalesis perseoides perseoides</i>	Burmese bush brown	Not Assessed	Data Deficient	No	Yes	Priority 3
Butterfly	<i>Mycalesis perseus cepheus</i>	Dingy bush brown	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Mycalesis visala phamis</i>	Long brand bush brown	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Yes	Priority 2
Butterfly	<i>Phalanta phalantha phalantha</i>	Leopard	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Polyura schreiber tisamenus</i>	Blue nawab	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Tanaecia iapis puseda</i>	Horsfield's baron	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Tanaecia pelea pelea</i>	Malay viscount	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Vindula dejone erotella</i>	Cruiser	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Ypthima baldus newboldi</i>	Common five-ring	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Ypthima horsfieldii humei</i>	Malayan five-ring	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Graphium sarpedon luctatus</i>	Common bluebottle	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Papilio demoleus malayanus</i>	Lime butterfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Papilio polytes romulus</i>	Common mormon	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Appias libythea olferna</i>	Striped albatross	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Delias hyparete metarete</i>	Painted jezebel	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Eurema hecabe contubernalis</i>	Common grass yellow	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Abisara savitri savitri</i>	Malay tailed judy	Not Assessed	Not Assessed	No	Yes	Priority 3
Decapod	<i>Parathelphusa maculata</i>	Maculate freshwater crab	Least Concern	Not Assessed	No	Yes	Priority 3
Decapod	<i>Geosesarma peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	Yes	No	Priority 2
Decapod	<i>Cherax quadricarinatus</i>	Redclaw crayfish	Least Concern	Not Assessed	No	Yes	Priority 3
Decapod	<i>Caridina sp.</i>	NA	NA	NA	NA	Yes	Priority 3
Decapod	<i>Macrobrachium sp.</i>	NA	NA	NA	NA	Yes	Priority 3
Fish	<i>Parambassis siamensis</i>	Indochinese glass-perchlet	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Aplocheilichthys lineatus</i>	Banded panchax	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Channa micropeltes</i>	Giant snakehead/toman	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Oreochromis mossambicus</i>	Mozambique tilapia	Vulnerable	Not Assessed	No	Yes	Priority 3
Fish	<i>Cichlasoma urophthalmum</i>	Mayan cichlid	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Clarias cf. batrachus</i>	Common walking catfish	Not Assessed	Not Assessed	No	Yes	Priority 3
Fish	<i>Puntigrus partipentazona</i>	Malayan tiger barb	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Pterygoplichthys sp.</i>	Unidentified armoured sucking catfish	NA	NA	NA	Yes	Priority 3
Fish	<i>Betta pugnax</i>	Malayan forest betta	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Trichopsis vittata</i>	Croaking gouramy	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Poecilia reticulata</i>	Guppy	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Xiphophorus helleri</i>	Swordtail	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Xiphophorus maculatus</i>	Southern platy	Data Deficient	Not Assessed	No	Yes	Priority 3
Fish	<i>Monopterus albus</i>	Asian swamp eel	Least Concern	Not Assessed	No	Yes	Priority 3
Mollusc	<i>Pomacea canaliculata</i>	NA	Least Concern	Not Assessed	No	Yes	Priority 3
Mollusc	<i>Melanooides tuberculata</i>	NA	Least Concern	Not Assessed	No	Yes	Priority 3
Mollusc	<i>Tarebia granifera</i>	NA	Least Concern	Not Assessed	No	Yes	Priority 3

Mollusc	<i>Filopaludina sp.</i>	NA	NA	NA	NA	Yes	Priority 3
Amphibian	<i>Fejervarya limnocharis</i>	Field frog	Least Concern	Least Concern	No	Yes	Priority 3
Amphibian	<i>Limnonectes blythii</i>	Malayan giant frog	Near Threatened	Least Concern	No	Yes	Priority 3
Amphibian	<i>Eleutherodactylus planirostris</i>	Greenhouse frog	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Lithobates catesbeianus</i>	American bullfrog	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Kaloula pulchra</i>	Banded bull frog	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Microhyla butleri</i>	Painted chorus frog	Least Concern	Least Concern	No	Yes	Priority 3
Amphibian	<i>Microhyla heymonsi</i>	Dark-sided chorus frog	Least Concern	Least Concern	No	Yes	Priority 3
Amphibian	<i>Microhyla mukhlesuri</i>	East Asian ornate chorus frog	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Polypedates leucomystax</i>	Four-lined tree frog	Least Concern	Least Concern	No	Yes	Priority 3
Amphibian	<i>Duttaphrynus bengalensis</i>	Indian toad	Least Concern	Not Assessed	No	Yes	Priority 3
Reptile	<i>Bronchocelea cristatella</i>	Green crested lizard	Not Assessed	Least Concern	No	Yes	Priority 3
Reptile	<i>Calotes versicolor</i>	Changeable lizard	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Draco sumatranus</i>	Sumatran flying dragon	Not Assessed	Least Concern	No	Yes	Priority 3
Reptile	<i>Anolis sagrei</i>	Brown anole	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Gehyra mutilata</i>	Four-clawed gecko	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Gekko monarchus</i>	Spotted house gecko	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Hemidactylus brookii</i>	Brooke's house gecko	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Hemidactylus frenatus</i>	Spiny-tailed house gecko	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Hemidactylus platyurus</i>	Flat-tailed gecko	Not Assessed	Least Concern	No	Yes	Priority 3
Reptile	<i>Eutropis multifasciata</i>	Many-lined sun skink	Not Assessed	Least Concern	No	Yes	Priority 3
Reptile	<i>Lygosoma bowringii</i>	Garden supple skink	Not Assessed	Least Concern	No	Yes	Priority 3
Reptile	<i>Varanus nebulosus</i>	Clouded monitor	Not Assessed; CITES protected (Appendix I)	Least Concern	No	Yes	Priority 3
Reptile	<i>Varanus salvator</i>	Malayan water monitor	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Reptile	<i>Ahaetulla prasina</i>	Oriental whip snake	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Chrysopelea paradisi</i>	Paradise gliding snake	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Dendrelaphis caudolineatus</i>	Striped bronzeback	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Dendrelaphis kopsteini</i>	Red-necked bronzeback	Least Concern	Near Threatened	No	Yes	Priority 3
Reptile	<i>Dendrelaphis pictus</i>	Painted bronzeback	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Yes	No	Priority 2
Reptile	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Calliophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Naja sumatrana</i>	Equatorial spitting cobra	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Yes	Priority 3
Reptile	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 2
Reptile	<i>Malayopython reticulatus</i>	Reticulated python	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Yes	Priority 3
Reptile	<i>Trachemys scripta</i>	Red-eared slider	Least Concern	Not Assessed	No	Yes	Priority 3
Reptile	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	No	Priority 2
Reptile	<i>Amyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Yes	Priority 2
Bird	<i>Accipiter trivirgatus</i>	Crested goshawk	Least Concern; CITES protected (Appendix II)	Near Threatened	No	Yes	Priority 3
Bird	<i>Icthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 1
Bird	<i>Haliaeetus leucogaster</i>	White-bellied sea eagle	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Haliastur indus</i>	Brahminy kite	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Pernis ptilorhynchus</i>	Crested honey-buzzard	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	No	Priority 1
Bird	<i>Aegithina tiphia</i>	Common iora	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Yes	No	Priority 1
Bird	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Yes	No	Priority 1
Bird	<i>Halcyon smyrnensis</i>	White-throated kingfisher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Pelargopsis capensis</i>	Stork-billed kingfisher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Todiramphus chloris</i>	Collared kingfisher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Yes	No	Priority 1
Bird	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	Yes	No	Priority 1

Bird	<i>Aerodramus sp.</i>	Unidentified swiftlet	NA	NA	NA	Yes	Priority 3
Bird	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Yes	No	Priority 1
Bird	<i>Egretta garzetta</i>	Little egret	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Least Concern	Yes	No	Priority 1
Bird	<i>Anthracoceros albirostris</i>	Oriental pied hornbill	Least Concern; CITES protected (Appendix II)	Near Threatened	No	Yes	Priority 3
Bird	<i>Cacatua goffiniana</i>	Tanimbar corella	Near Threatened; CITES protected (Appendix I)	Not Assessed	No	Yes	Priority 3
Bird	<i>Pericrocotus divaricatus</i>	Ashy minivet	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Caprimulgus affinis</i>	Savanna nightjar	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Caprimulgus macrurus</i>	Large-tailed nightjar	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Yes	No	Priority 1
Bird	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Yes	No	Priority 1
Bird	<i>Orthotomus atrogularis</i>	Dark-necked tailorbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Orthotomus ruficeps</i>	Ashy tailorbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Orthotomus sericeus</i>	Rufous-tailed tailorbird	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Orthotomus sutorius</i>	Common tailorbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Prinia flaviventris</i>	Yellow-bellied prinia	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Chalcophaps indica</i>	Common emerald dove	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Columba livia</i>	Rock dove	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Ducula bicolor</i>	Pied imperial pigeon	Least Concern	Data Deficient	No	Yes	Priority 3
Bird	<i>Geopelia striata</i>	Zebra dove	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Spilopelia chinensis</i>	Spotted dove	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Treeron curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Yes	No	Priority 1
Bird	<i>Treeron vernans</i>	Pink-necked green pigeon	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Eurystomus orientalis</i>	Oriental dollarbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Corvus splendens</i>	House crow	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Cacomantis merulinus</i>	Plaintive cuckoo	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Centropus sinensis</i>	Greater coucal	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Eudynamis scolopaceus</i>	Asian koel	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Surniculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	Yes	No	Priority 1
Bird	<i>Dicaeum cruentatum</i>	Scarlet-backed flowerpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Dicaeum trigonostigma</i>	Orange-bellied flowerpecker	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Dicrurus paradiseus</i>	Greater racket-tailed drongo	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Heliopais personatus</i>	Masked finfoot	Endangered	Endangered	Yes	No	Priority 1
Bird	<i>Hirundo tahitica</i>	Pacific swallow	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Irena puella</i>	Asian fairy-bluebird	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Yes	No	Priority 1
Bird	<i>Lanius tigrinus</i>	Tiger shrike	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Garrulax leucolophus</i>	White-crested laughingthrush	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Psilopogon lineatus</i>	Lineated barbet	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Merops philippinus</i>	Blue-tailed bee-eater	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Merops viridis</i>	Blue-throated bee-eater	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Terpsiphone atrocaudata</i>	Japanese paradise flycatcher	Near Threatened	Near Threatened	No	Yes	Priority 3
Bird	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Yes	Priority 1
Bird	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Yes	No	Priority 1
Bird	<i>Ficedula zanthopygia</i>	Yellow-rumped flycatcher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Larvivora cyane</i>	Siberian blue robin	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Muscicapa dauurica</i>	Asian brown flycatcher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Aethopyga siparaja</i>	Crimson sunbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Antheptes malacensis</i>	Brown-throated sunbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Arachnothera longirostra</i>	Little spiderhunter	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Cinnyris jugularis</i>	Olive-backed sunbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Leptocoma brasiliana</i>	Van Hasselt's sunbird	Least Concern	Least Concern	No	Yes	Priority 3

Bird	<i>Oriolus chinensis</i>	Black-naped oriole	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Passer montanus</i>	Eurasian tree sparrow	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Phalacrocorax carbo</i>	#N/A	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Gallus gallus</i>	Red junglefowl	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Gallus gallus (domestic)</i>	Domestic chicken	Not Assessed	Not Assessed	No	Yes	Priority 3
Bird	<i>Phylloscopus borealis</i>	Arctic warbler	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Phylloscopus borealoides</i>	Sakhalin leaf warbler	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Phylloscopus coronatus</i>	Eastern crowned warbler	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Chrysophlegma minaceum</i>	Banded woodpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Dinopium javanense</i>	Common flameback	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Micropternus brachyurus</i>	Rufous woodpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Picus vittatus</i>	Laced woodpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Yungipicus moluccensis</i>	Sunda pygmy woodpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Yes	No	Priority 1
Bird	<i>Loriculus galgulus</i>	Blue-crowned hanging-parrot	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Psittacula alexandri</i>	Red-breasted parakeet	Near Threatened; CITES protected (Appendix II)	Not Assessed	No	Yes	Priority 3
Bird	<i>Psittacula krameri</i>	Rose-ringed parakeet	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Yes	Priority 1
Bird	<i>Psittinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	Yes	No	Priority 1
Bird	<i>Trichoglossus haematodus</i>	Coconut lorikeet	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Yes	Priority 3
Bird	<i>Brachypodius melanocephalos</i>	Black-headed bulbul	Least Concern	Critically Endangered	Yes	No	Priority 1
Bird	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Pycnonotus goiavier</i>	Yellow-vented bulbul	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Pycnonotus jocosus</i>	Red-whiskered bulbul	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Pycnonotus plumosus</i>	Olive-winged bulbul	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Yes	No	Priority 1
Bird	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Yes	Priority 1
Bird	<i>Amauornis phoenicurus</i>	White-breasted waterhen	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Rallina fasciata</i>	Red-legged crane	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Rhipidura javanica</i>	Malaysian pied fantail	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Ketupa ketupu</i>	Buffly fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 1
Bird	<i>Ninox scutulata</i>	Brown boobook	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Otus lempiji</i>	Sunda scops owl	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 1
Bird	<i>Acridotheres javanicus</i>	Javan myna	Vulnerable	Not Assessed	No	Yes	Priority 3
Bird	<i>Aplonis panayensis</i>	Asian glossy starling	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Gracula religiosa</i>	Common hill myna	Least Concern; CITES protected (Appendix I)	Near Threatened	No	Yes	Priority 3
Bird	<i>Mixornis gularis</i>	Pin-striped tit-babbler	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Yes	Priority 1
Non-volant mammal	<i>Canis lupus familiaris</i>	Feral dog	Not Assessed	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Yes	Priority 1
Non-volant mammal	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Yes	Priority 1
Non-volant mammal	<i>Felis catus</i>	Feral cat	Not Assessed	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Yes	No	Priority 1
Non-volant mammal	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Yes	Priority 1
Non-volant mammal	<i>Rattus norvegicus</i>	Brown rat	Least Concern	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Rattus tanezumi</i>	Asian house rat	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	<i>Rattus tiomanicus</i>	Malaysian wood rat	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	<i>Sundamys annandalei</i>	Annandale's rat	Least Concern	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Yes	No	Priority 1
Non-volant mammal	<i>Callosciurus notatus</i>	Plantain squirrel	Least Concern	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Iomys horsfieldii</i>	Horsfield's flying squirrel	Least Concern	Endangered	Yes	No	Priority 1
Non-volant mammal	<i>Sundasciurus tenuis</i>	Slender squirrel	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	<i>Sus scrofa</i>	Eurasian wild boar	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	<i>Tupaia glis</i>	Common treeshrew	Least Concern	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Paradoxurus musangus</i>	Sumatran palm civet	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	Family <i>Sciuridae</i>	Unidentified flying squirrel	NA	NA	Yes	Yes	Priority 1

Bat	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Yes	No	Priority 1
Bat	<i>Saccolaimus saccolaimus</i>	Pouch tomb bat	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Taphozous melanopogon</i>	Black-bearded tomb bat	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Yes	No	Priority 1
Bat	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Yes	No	Priority 1
Bat	<i>Cynopterus brachyotis</i>	Lesser short-nosed fruit bat	Least Concern	Not Assessed	No	Yes	Priority 3
Bat	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bat	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	Yes	No	Priority 1
Bat	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Yes	No	Priority 1
Bat	<i>Rhinolophus refulgens</i>	Glossy horseshoe bat	Least Concern	Not Assessed	No	Yes	Priority 3
Bat	<i>Myotis horsfieldii</i>	Horsfield's myotis	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Myotis muricola</i>	Asian whiskered myotis	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Scotophilus kuhlii</i>	Lesser Asian house bat	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Yes	No	Priority 1
Bat	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Yes	No	Priority 1
Bat	<i>Tylonycteris sp.</i>	Unidentified bamboo bat	Least Concern	Vulnerable	Yes	Yes	Priority 1
Spider	<i>Araneus nox</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Argiope jinghongensis</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Argiope versicolor</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Cyclosa bifida</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Cyclosa insulana</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Cyrtophora cicantrosa</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Cyrtophora cylindroides</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Eriovixia laglaizei</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Gea spinipes</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Macracantha hasselti</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Neoscona punctigera</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Neoscona vigilans</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Nephila pilipes</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Parawixia dehaani</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Poltys illepidus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Singa perpolita</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Rhianodes atratus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Damarchus workmani</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Clubiona cf. meraukensis</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Nusatidia camouflata</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Corinnomma javanum</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Corinnomma severum</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Acantheis OS</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Acantheis YL</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Bowie abdulmajid</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Ctenus SH</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Asianopsis sp.</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Batueta voluta</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Knischatiria cf. longispina</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Nasoona crucifera</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Neonesiotes OM</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Oedignatha CT</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Oedignatha scrobiculata</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Sphingius punctatus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Sphingius vivax</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Pardosa pusiola</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Pardosa sumatrana</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Trochosa ruricoloides</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Venonia coruscans</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>cf. Mysmena DH</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Ischnothyreus brunneus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3

Spider	<i>Ischnothyreus cf. serpentinum</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Ischnothyreus poculum</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Prethopalpus schwendingeri</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Xyphinus karschi</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Oxyopes auratus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Oxyopes lineatipes</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Philodromus SW</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Belisana CS</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Belisana PH</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Belisana RE</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Belisana TY</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Belisana YT</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Holocneminus multiguttatus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Leptopholcus podophthalmus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Pholcus gracillimus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Pribumia atrigularis</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Uthina luzonica</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Dolomedes SC</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Spheclanus quadrimaculatus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Leclercera PV</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>aff. Nannenus LF</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Bavia sexpunctata</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Burmattus pococki</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Cytaea CE</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Epeus flavobilineatus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Epeus SS</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Evarcha besar</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Harmochirus brachiatus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Myrmarachne aff. sabahna</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Myrmarachne cornuta</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Myrmarachne melanocephala</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Phintella bifurcilinea</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Phintella debilis</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Portia labiata</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Ptocasius weyersi</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Thiania bhamoensis</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Thorelliola ensifera</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Viciria pavesii</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>aff. Scytodes LL</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Dictis CS</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Scytodes BP</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Scytodes fusca</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Scytodes pallida</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Heteropoda SU</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Heteropoda tetrica</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Heteropoda venatoria</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Olios CY</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Pandercetes CL</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Pandercetes sp.</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Telemofila fabata</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Leucauge argentina</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Leucauge decorata</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Leucauge fastigata</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Orsinome aff. cavernicola</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Tylorida striata</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Tylorida ventralis</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Phlogiellus LB</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3

## Appendix 3 - List of Noise Sensitive Faunal Species (BBNP)

Spider	<i>Phlogiellus sp.</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Allothymoites SS</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Argyrodes fasciatus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Argyrodes flavescens</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Campanicola CA</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Carniella SL</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>cf. Thymoites TH</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Chryso FT</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Chryso JH</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Chryso TT</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Chryso YS</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Janula batman</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Janula MF</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Janula picta</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Meotipa vesiculosa</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Molione triacantha</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Nihonhimea mundula</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Phycosoma digitula</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Phycosoma hana</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Platnickina BN</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Platnickina mneon</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Rhomphaea labiata</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Stemmops nigrabdomenus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Theridion NN</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Theridion PP</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Theridion t-notatum</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Theridion zonulatum</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Yaginumena maculosa</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Theridiosoma fasciatum</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Zoma YY</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Amyciaea forticeps</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Borboropactus cinerascens</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Camaricus maugei</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Cebrennius magnus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Pycnaxis krakatauensis</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Spilosynema DD</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Tmarus SH</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Orthobula CO</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Miagrammopes BS</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Miagrammopes oblongus</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Philoponella raffrayi</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Asceua CF</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Asceua VB</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Asceua YB</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Cryptothele sundaica</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3
Spider	<i>Mallinella annulipes</i>	NA	Not Assessed	Not Assessed	NA	Yes	Priority 3



Taxon	Scientific name	Common name	Global status	National status	Species of conservation significance	Recorded Species (Yes/No)	Sensitivity (S)
Aculeate hymenopteran	<i>Amegilla andrewsi</i>	Andrew's blue-banded digger bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Apis andreniformis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Apis cerana</i>	Eastern honey bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Apis dorsata</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Braunsapis puangensis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Ceratina nigrolateralis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Ceratina unimaculata</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Thyreus himalayensis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Xylocopa caerulea</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Xylocopa flavonigrescens</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Xylocopa latipes</i>	Broad-handed carpenter bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Hylaeus penangensis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Lasioglossum albescens</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Yes	No	Priority 2
Aculeate hymenopteran	<i>Lasioglossum vagans</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Yes	No	Priority 2
Aculeate hymenopteran	<i>Nomia incerta</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Nomia strigata</i>	Pearly-banded bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Yes	No	Priority 2
Aculeate hymenopteran	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Dasyproctus sp.</i>	NA	Not Assessed	Data Deficient	No	Yes	Priority 3
Aculeate hymenopteran	<i>Liris sp.</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Liris subtessellatus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Tachytes cf. modestus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Episyron sp.</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	Family Pompilidae	NA	Not Assessed	NA	NA	Yes	Priority 3
Aculeate hymenopteran	<i>Chalybion bengalense</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Isodontia diodon</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Sceliphron coromandelicum</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Sceliphron javanum</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Delta pyriforme</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Liostenogaster nitidipennis</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Liostenogaster varipicta</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Parischnogaster mellyi</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Parischnogaster nigricans</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Polistes sagittarius</i>	Banded paper wasp	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Rhynchium haemorrhoidale</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia erythrospila</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia jacobsoni</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia stigma</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia sumatrae</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Stenodyneriellus guttulatus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Vespa analis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Vespa tropica</i>	Greater banded hornet	Not Assessed	Least Concern	No	Yes	Priority 3
Odonate	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	Yes	No	Priority 2

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Odonate	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Yes	No	Priority 2
Odonate	<i>Ceriagrion cerinorubellum</i>	Ornate coral-tail	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Pseudagrion microcephalum</i>	Blue sprite	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Prodasinieura collaris</i>	Collared threadtail	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Prodasinieura humeralis</i>	Orange-striped threadtail	Not Assessed	Least Concern	No	Yes	Priority 3
Odonate	<i>Prodasinieura notostigma</i>	Crescent threadtail	Not Assessed	Least Concern	No	Yes	Priority 3
Odonate	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	Yes	No	Priority 2
Odonate	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Yes	No	Priority 2
Odonate	<i>Ictinogomphus decoratus</i>	Common flangetail	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Acisoma panorpoides</i>	Trumpet tail	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Aethriamanta gracilis</i>	Pond adjutant	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Brachydiplax chalybea</i>	Blue dasher	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Brachythemis contaminata</i>	Common amberwing	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Chalybeothemis fluvialilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Yes	No	Priority 2
Odonate	<i>Cratilla metallica</i>	Dark-tipped forest skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Crocothemis servilia</i>	Common scarlet	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Hydrobasileus croceus</i>	Water monarch	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Indothemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	Yes	No	Priority 2
Odonate	<i>Neurothemis fluctuans</i>	Common parasol	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum chrysis</i>	Spine-tufted skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum glaucum</i>	Common blue skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum luzonicum</i>	Slender blue skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum sabina</i>	Variiegated green skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum testaceum</i>	Scarlet skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Pantala flavescens</i>	Wandering glider	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Pseudothemis jorina</i>	Banded skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Rhodothemis rufa</i>	Common redbolt	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Rhyothemis phyllis</i>	Yellow-barred flutterer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Trithemis aurora</i>	Crimson dropwing	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Trithemis festiva</i>	Indigo dropwing	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Urothemis signata</i>	Scarlet basker	Not Assessed	Least Concern	No	Yes	Priority 3
Odonate	<i>Epophthalmia vittigera</i>	Pond cruiser	Least Concern	Least Concern	No	Yes	Priority 3
Butterfly	<i>Ancistroides nigrita maura</i>	Chocolate demon	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Baoris oceaia</i>	Paintbrush swift	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Yes	Yes	Priority 2
Butterfly	<i>Caltores cormasa</i>	Full stop swift	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Caltores malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Cephrenes sp.</i>	Unidentified palm dart	NA	NA	NA	Yes	Priority 3
Butterfly	<i>Gangara lebadea lebadea</i>	Banded redefe	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Iambrix salsala salsala</i>	Chestnut bob	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Oriens gola pseudolus</i>	Common dartlet	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Yes	No	Priority 2
Butterfly	<i>Pelopidas mathias mathias</i>	Small branded swift	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Polytrems lubricans lubricans</i>	Contiguous swift	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Potanthus omaha omaha</i>	Lesser dart	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Yes	Priority 2
Butterfly	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Yes	No	Priority 2
Butterfly	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Yes	No	Priority 2
Butterfly	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Anthene emolus goberus</i>	Ciliate blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Yes	No	Priority 2

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Butterfly	<i>Arhopala eumolphus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Eooxylides tharis distanti</i>	Branded imperial	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Euchrysops cnejus cnejus</i>	Gram blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Hypolycaena erylus teatus</i>	Common tit	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Iraota rochana boswelliana</i>	Scarce silverstreak	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Jamides celeno aelianus</i>	Common caerulean	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Logania marmorata damis</i>	Pale mottle	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Loxura atymnus fuconius</i>	Yamfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Yes	No	Priority 2
Butterfly	<i>Nacaduba beroe neon</i>	Opaque sixline blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Prosotas dubiosa lumpura</i>	Tailless line blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Tajuria cippus maxentius</i>	Peacock royal	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Zizeeria maha serica</i>	Pale grass blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Zizina otis lampa</i>	Lesser grass blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Zizula hylax pygmaea</i>	Pygmy grass blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Acraea terpsicore</i>	Tawny coster	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Athyma nefte subrata</i>	Colour sergeant	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Cupha erymanthis lotis</i>	Rustic	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Danaus chrysippus chrysippus</i>	Plain tiger	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Doleschallia bisaltide bisaltide</i>	Autumn leaf	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Dryas iulia</i>	Julia heliconian	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Elymnias hypermnestra agina</i>	Common palmfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Elymnias panthera panthera</i>	Tawny palmfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Euthalia aconthea gurda</i>	Baron	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Hypolimnna anomala anomala</i>	Malayan eggfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Ideopsis vulgaris macrina</i>	Blue glassy tiger	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Junonia almana javana</i>	Peacock pansy	Least Concern	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Junonia atlites atlites</i>	Grey pansy	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Junonia hedonia ida</i>	Chocolate pansy	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Lasippa tiga siaka</i>	Malayan lascar	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Mycalesis mineus macromalayana</i>	Dark brand bush brown	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Mycalesis visala phamis</i>	Long brand bush brown	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Neptis hylas papaja</i>	Common sailor	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Parantica agleoides agleoides</i>	Dark glassy tiger	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Phalanta phalantha phalantha</i>	Leopard	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Tanaecia pelea pelea</i>	Malay viscount	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Xanthotaenia busiris busiris</i>	Yellow barred	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Ypthima baldus newboldi</i>	Common five-ring	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Ypthima horsfieldii humei</i>	Malayan five-ring	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Chilasa clytia clytia</i>	Common mime	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Papilio demoleus malayanus</i>	Lime butterfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Papilio polytes romulus</i>	Common mormon	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Appias libythea offera</i>	Striped albatross	Not Assessed	Not Assessed	No	Yes	Priority 3

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Butterfly	<i>Delias hyparete metarete</i>	Painted jezebel	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Eurema hecabe contubernalis</i>	Common grass yellow	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Abisara savitri savitri</i>	Malay tailed judy	Not Assessed	Not Assessed	No	Yes	Priority 3
Decapod	<i>Parathelphusa maculata</i>	Maculate freshwater crab	Least Concern	Not Assessed	No	Yes	Priority 3
Decapod	<i>Cherax quadricarinatus</i>	Redclaw crayfish	Least Concern	Not Assessed	No	Yes	Priority 3
Decapod	<i>Caridina sp.</i>	NA	NA	NA	NA	Yes	Priority 3
Decapod	<i>Macrobrachium lanchesteri</i>	Riceland shrimp	Least Concern	Not Assessed	No	Yes	Priority 3
Decapod	<i>Macrobrachium pilimanus</i>	NA	NA	NA	NA	Yes	Priority 3
Decapod	<i>Macrobrachium sp.</i>	NA	NA	NA	NA	Yes	Priority 3
Fish	<i>Channa micropeltes</i>	Giant snakehead/toman	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Channa striata</i>	Common snakehead/aruan	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Oreochromis mossambicus</i>	Mozambique tilapia	Vulnerable	Not Assessed	No	Yes	Priority 3
Fish	<i>Amphilophus citrinellus</i>	Midas cichlid	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Cichlasoma urophthalmum</i>	Mayan cichlid	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Geophagus altifrons</i>	Red-striped eartheater	Not Assessed	Not Assessed	No	Yes	Priority 3
Fish	<i>Clarias cf. batrachus</i>	Common walking catfish	Not Assessed	Not Assessed	No	Yes	Priority 3
Fish	<i>Oxyeleotris marmorata</i>	Marbled gudgeon	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Rhinogobius similis</i>	Barcheek goby	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Osphronemus goramy</i>	Giant gouramy	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Osphronemus laticlavus</i>	Red giant gourami	Endangered	Not Assessed	No	Yes	Priority 3
Fish	Family Osteoglossidae	Unidentified arowana	NA	NA	NA	Yes	Priority 3
Fish	<i>Gambusia affinis</i>	Mosquitofish	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Poecilia reticulata</i>	Guppy	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Monopterus albus</i>	Asian swamp eel	Least Concern	Not Assessed	No	Yes	Priority 3
Mollusc	<i>Pomacea canaliculata</i>	NA	Least Concern	Not Assessed	No	Yes	Priority 3
Mollusc	<i>Physa acuta</i>	NA	Not Assessed	Not Assessed	No	Yes	Priority 3
Mollusc	<i>Melanoides tuberculata</i>	NA	Least Concern	Not Assessed	No	Yes	Priority 3
Mollusc	<i>Tarebia granifera</i>	NA	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Fejervarya limnocharis</i>	Field frog	Least Concern	Least Concern	No	Yes	Priority 3
Amphibian	<i>Limnonectes blythii</i>	Malayan giant frog	Near Threatened	Least Concern	No	Yes	Priority 3
Amphibian	<i>Eleutherodactylus planirostris</i>	Greenhouse frog	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Kaloula pulchra</i>	Banded bull frog	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Microhyla butleri</i>	Painted chorus frog	Least Concern	Least Concern	No	Yes	Priority 3
Amphibian	<i>Microhyla heymonsi</i>	Dark-sided chorus frog	Least Concern	Least Concern	No	Yes	Priority 3
Amphibian	<i>Microhyla mukhlisuri</i>	East Asian ornate chorus frog	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Polypedates leucomystax</i>	Four-lined tree frog	Least Concern	Least Concern	No	Yes	Priority 3
Amphibian	<i>Duttaphrynus bengalensis</i>	Indian toad	Least Concern	Not Assessed	No	Yes	Priority 3
Reptile	<i>Bronchocela cristatella</i>	Green crested lizard	Not Assessed	Least Concern	No	Yes	Priority 3
Reptile	<i>Calotes versicolor</i>	Changeable lizard	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Draco sumatranus</i>	Sumatran flying dragon	Not Assessed	Least Concern	No	Yes	Priority 3
Reptile	<i>Gehyra mutilata</i>	Four-clawed gecko	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Gekko monarchus</i>	Spotted house gecko	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Hemidactylus frenatus</i>	Spiny-tailed house gecko	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Hemidactylus platyurus</i>	Flat-tailed gecko	Not Assessed	Least Concern	No	Yes	Priority 3
Reptile	<i>Lepidodactylus lugubris</i>	Maritime gecko	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Eutropis multifasciata</i>	Many-lined sun skink	Not Assessed	Least Concern	No	Yes	Priority 3
Reptile	<i>Varanus salvator</i>	Malayan water monitor	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Reptile	<i>Ahaetulla prasina</i>	Oriental whip snake	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Dendrelaphis pictus</i>	Painted bronzeback	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Yes	No	Priority 2
Reptile	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 2
Reptile	<i>Trachemys decussata</i>	Cuban slider	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Trachemys scripta</i>	Red-eared slider	Least Concern	Not Assessed	No	Yes	Priority 3

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Reptile	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	No	Priority 2
Reptile	<i>Amyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 2
Bird	<i>Accipiter gularis</i>	Japanese sparrowhawk	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Accipiter soloensis</i>	Chinese sparrowhawk	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Icthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Haliaeetus leucogaster</i>	White-bellied sea eagle	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Haliastur indus</i>	Brahminy kite	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Nisaetus cirhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Pernis ptilorhynchus</i>	Crested honey-buzzard	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	No	Priority 1
Bird	<i>Aegithina tiphia</i>	Common iora	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Yes	No	Priority 1
Bird	<i>Ceyx erithaca</i>	Oriental dwarf kingfisher	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Yes	No	Priority 1
Bird	<i>Halcyon smymensis</i>	White-throated kingfisher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Todiramphus chloris</i>	Collared kingfisher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Yes	No	Priority 1
Bird	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	Yes	No	Priority 1
Bird	<i>Aerodramus sp.</i>	Unidentified swiftlet	NA	NA	NA	Yes	Priority 3
Bird	<i>Apus pacificus</i>	Pacific swift	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Ardea intermedia</i>	Intermediate egret	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Yes	No	Priority 1
Bird	<i>Gorsachius melanolophus</i>	Malayan night heron	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Yes	No	Priority 1
Bird	<i>Anthracoceros albirostris</i>	Oriental pied hornbill	Least Concern; CITES protected (Appendix II)	Near Threatened	No	Yes	Priority 3
Bird	<i>Lalage nigra</i>	Pied triller	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Pericrocotus divaricatus</i>	Ashy minivet	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Caprimulgus macrurus</i>	Large-tailed nightjar	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Vanellus indicus</i>	Red-wattled lapwing	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Yes	No	Priority 1
Bird	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Yes	No	Priority 1
Bird	<i>Orthotomus atrogularis</i>	Dark-necked tailorbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Orthotomus sericeus</i>	Rufous-tailed tailorbird	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Orthotomus sutorius</i>	Common tailorbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Prinia flaviventris</i>	Yellow-bellied prinia	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Chalcophaps indica</i>	Common emerald dove	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Columba livia</i>	Rock dove	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Ducula bicolor</i>	Pied imperial pigeon	Least Concern	Data Deficient	No	Yes	Priority 3
Bird	<i>Geopelia striata</i>	Zebra dove	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Spilopelia chinensis</i>	Spotted dove	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Treron curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Yes	No	Priority 1
Bird	<i>Treron vernans</i>	Pink-necked green pigeon	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Eurystomus orientalis</i>	Oriental dollarbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Corvus splendens</i>	House crow	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Cacomantis merulinus</i>	Plaintive cuckoo	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Cacomantis sonneratii</i>	Banded bay cuckoo	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Centropus bengalensis</i>	Lesser coucal	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Centropus sinensis</i>	Greater coucal	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	No	Priority 1
Bird	<i>Eudynamis scolopaceus</i>	Asian koel	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Phaenicophaeus sumatranus</i>	Chestnut-bellied malkoha	Near Threatened	Near Threatened	No	Yes	Priority 3
Bird	<i>Sumiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Least Concern	Yes	Yes	Priority 1
Bird	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	Yes	No	Priority 1
Bird	<i>Dicaeum cruentatum</i>	Scarlet-backed flowerpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Dicaeum trigonostigma</i>	Orange-bellied flowerpecker	Least Concern	Near Threatened	No	Yes	Priority 3

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Bird	<i>Dicrurus paradiseus</i>	Greater racket-tailed drongo	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Heliopais personatus</i>	Masked finfoot	Endangered	Endangered	Yes	No	Priority 1
Bird	<i>Hemiprocne longipennis</i>	Grey-rumped treeswift	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Cecropis daurica</i>	Red-rumped swallow	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Hirundo rustica</i>	Barn swallow	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Hirundo tahitica</i>	Pacific swallow	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Lanius schach</i>	Long-tailed shrike	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Garrulax leucolophus</i>	White-crested laughingthrush	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Pterorhinus chinensis</i>	Black-throated laughingthrush	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Psilopogon lineatus</i>	Lineated barbet	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Merops philippinus</i>	Blue-tailed bee-eater	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Merops viridis</i>	Blue-throated bee-eater	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Anthus rufulus</i>	Paddyfield pipit	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	No	Priority 1
Bird	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Yes	No	Priority 1
Bird	<i>Ficedula zanthopygia</i>	Yellow-rumped flycatcher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Muscicapa dauurica</i>	Asian brown flycatcher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Muscicapa sibirica</i>	Dark-sided flycatcher	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Aethopyga siparaja</i>	Crimson sunbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Anthreptes malacensis</i>	Brown-throated sunbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Arachnothera longirostra</i>	Little spiderhunter	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Cinnyris jugularis</i>	Olive-backed sunbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Oriolus chinensis</i>	Black-naped oriole	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Passer montanus</i>	Eurasian tree sparrow	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Gallus gallus</i>	Red junglefowl	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Phylloscopus borealis</i>	Arctic warbler	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Phylloscopus coronatus</i>	Eastern crowned warbler	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Chrysophlegma miniaceum</i>	Banded woodpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Dinopium javanense</i>	Common flameback	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Micropternus brachyurus</i>	Rufous woodpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Picus vittatus</i>	Laced woodpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Yungipicus moluccensis</i>	Sunda pygmy woodpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Yes	No	Priority 1
Bird	<i>Loriculus galgulus</i>	Blue-crowned hanging-parrot	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Psittacula alexandri</i>	Red-breasted parakeet	Near Threatened; CITES protected (Appendix II)	Not Assessed	No	Yes	Priority 3
Bird	<i>Psittacula krameri</i>	Rose-ringed parakeet	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Yes	Priority 1
Bird	<i>Psittinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	Yes	No	Priority 1
Bird	<i>Trichoglossus haematodus</i>	Coconut lorikeet	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Yes	Priority 3
Bird	<i>Brachypodius melanocephalos</i>	Black-headed bulbul	Least Concern	Critically Endangered	Yes	No	Priority 1
Bird	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	No	Priority 1
Bird	<i>Pycnonotus goiavier</i>	Yellow-vented bulbul	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Pycnonotus jocosus</i>	Red-whiskered bulbul	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Pycnonotus plumosus</i>	Olive-winged bulbul	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Yes	Priority 1
Bird	<i>Amaurornis phoenicurus</i>	White-breasted waterhen	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Lewinia striata</i>	Slaty-breasted rail	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Rallina fasciata</i>	Red-legged crane	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Rhipidura javanica</i>	Malaysian pied fantail	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Ketupa ketupu</i>	Buff fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 1
Bird	<i>Otus lempiji</i>	Sunda scops owl	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 1
Bird	<i>Acridotheres javanicus</i>	Javan myna	Vulnerable	Not Assessed	No	Yes	Priority 3
Bird	<i>Acridotheres tristis</i>	Common myna	Least Concern	Least Concern	No	Yes	Priority 3

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Bird	<i>Aplonis panayensis</i>	Asian glossy starling	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Gracula religiosa</i>	Common hill myna	Least Concern; CITES protected (Appendix I)	Near Threatened	No	Yes	Priority 3
Bird	<i>Mixornis gularis</i>	Pin-striped tit-babbler	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Yes	Priority 1
Non-volant mammal	<i>Canis lupus familiaris</i>	Feral dog	Not Assessed	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Yes	Priority 1
Non-volant mammal	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Yes	Priority 1
Non-volant mammal	<i>Felis catus</i>	Feral cat	Not Assessed	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Yes	No	Priority 1
Non-volant mammal	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	No	Priority 1
Non-volant mammal	<i>Rattus norvegicus</i>	Brown rat	Least Concern	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Sundamys annandalei</i>	Annandale's rat	Least Concern	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Yes	Yes	Priority 1
Non-volant mammal	<i>Callosciurus notatus</i>	Plantain squirrel	Least Concern	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Iomys horsfieldii</i>	Horsfield's flying squirrel	Least Concern	Endangered	Yes	Yes	Priority 1
Non-volant mammal	<i>Sundasciurus tenuis</i>	Slender squirrel	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	<i>Sus scrofa</i>	Eurasian wild boar	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	<i>Tupaia glis</i>	Common treeshrew	Least Concern	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Paradoxurus musangus</i>	Sumatran palm civet	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	Family <i>Sciuridae</i>	Unidentified flying squirrel	NA	NA	Yes	Yes	Priority 1
Bat	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Yes	No	Priority 1
Bat	<i>Saccolaimus saccolaimus</i>	Pouch tomb bat	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Taphozous melanopogon</i>	Black-bearded tomb bat	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Yes	No	Priority 1
Bat	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Yes	No	Priority 1
Bat	<i>Cynopterus brachyotis</i>	Lesser short-nosed fruit bat	Least Concern	Not Assessed	No	Yes	Priority 3
Bat	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bat	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	Yes	No	Priority 1
Bat	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Yes	No	Priority 1
Bat	<i>Rhinolophus refulgens</i>	Glossy horseshoe bat	Least Concern	Not Assessed	No	Yes	Priority 3
Bat	<i>Myotis horsfieldii</i>	Horsfield's myotis	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Myotis muricola</i>	Asian whiskered myotis	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Pipistrellus javanicus</i>	Javan pipistrelle	Least Concern	Not Assessed	No	Yes	Priority 3
Bat	<i>Scotophilus kuhlii</i>	Lesser Asian house bat	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Yes	No	Priority 1
Bat	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Yes	No	Priority 1
Bat	<i>Tylonycteris sp.</i>	Unidentified bamboo bat	Least Concern	Vulnerable	Yes	Yes	Priority 1

Taxon	Scientific name	Common name	Global status	National status	Species of conservation significance	Recorded Species (Yes/No)	Sensitivity (S)
Aculeate hymenopteran	<i>Amegilla andrewsi</i>	Andrew's blue-banded digger bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Apis andreniformis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Apis cerana</i>	Eastern honey bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Apis dorsata</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Apis florea</i>	NA	Not Assessed	Not Assessed	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Ceratina lieftincki</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina nigrolateralis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Ceratina unimaculata</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Thyreus lilacinus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Thyreus himalayensis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Xylocopa aestuans</i>	White-cheeked carpenter bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Xylocopa flavonigrescens</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Xylocopa latipes</i>	Broad-handed carpenter bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Hylaeus penangensis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Yes	No	Priority 2
Aculeate hymenopteran	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Yes	No	Priority 2
Aculeate hymenopteran	<i>Nomia sp. aff. apicalis</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Nomia strigata</i>	Pearly-banded bee	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Yes	No	Priority 2
Aculeate hymenopteran	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Euaspsis polynesia</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Megachile laticeps</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Yes	No	Priority 2
Aculeate hymenopteran	<i>Megachile subrixator</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Megachile umbripennis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Liris subtessellatus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Auplopus sp.</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Delta pyriforme</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Liostenogaster nitidipennis</i>	NA	Not Assessed	Near Threatened	No	Yes	Priority 3
Aculeate hymenopteran	<i>Parischnogaster mellyi</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Parischnogaster nigricans</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia stigma</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Ropalidia sumatrae</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Stenodyneriellus guttulatus</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Vespa affinis</i>	Lesser banded hornet	Not Assessed	Least Concern	No	Yes	Priority 3
Aculeate hymenopteran	<i>Vespa analis</i>	NA	Not Assessed	Least Concern	No	Yes	Priority 3
Odonate	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Ceragrion cerinorubellum</i>	Ornate coraltail	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Yes	No	Priority 2
Odonate	<i>Gynacantha subinterrupta</i>	Dingy duskhawker	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Agrioptera insignis</i>	Grenadier	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Brachydiplax chalybea</i>	Blue dasher	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Chalybiothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Yes	No	Priority 2



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Odonate	<i>Crocothemis servilia</i>	Common scarlet	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Neurothemis fluctuans</i>	Common parasol	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum chrysis</i>	Spine-tufted skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum glaucum</i>	Common blue skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum sabina</i>	Variiegated green skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Orthetrum testaceum</i>	Scarlet skimmer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Pantala flavescens</i>	Wandering glider	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Rhyothemis phyllis</i>	Yellow-barred flutterer	Least Concern	Least Concern	No	Yes	Priority 3
Odonate	<i>Tyriobapta torrida</i>	Treehugger	Least Concern	Least Concern	No	Yes	Priority 3
Butterfly	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Yes	No	Priority 2
Butterfly	<i>Caltois malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Gangara lebadea lebadea</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Iambrix salsala salsala</i>	Chestnut bob	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Yes	No	Priority 2
Butterfly	<i>Pelopidas mathias mathias</i>	Small branded swift	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Potanthus omaha omaha</i>	Lesser dart	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Yes	No	Priority 2
Butterfly	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Yes	No	Priority 2
Butterfly	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Yes	No	Priority 2
Butterfly	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Eooxylides tharis distanti</i>	Branded imperial	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Euchrysops cnejus cnejus</i>	Gram blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Jamides celeno aelianus</i>	Common caerulean	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Yes	No	Priority 2
Butterfly	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Zizina otis lampa</i>	Lesser grass blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Zizula hylax pygmaea</i>	Pygmy grass blue	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Acraea terpsicore</i>	Tawny coster	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Amathusia phidippus phidippus</i>	Palm king	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Yes	No	Priority 2
Butterfly	<i>Elymnias hypermnestra agina</i>	Common palmfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Euthalia monina monina</i>	Malay baron	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Junonia almana javana</i>	Peacock pansy	Least Concern	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Junonia hedonia ida</i>	Chocolate pansy	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Lasippa tiga siaka</i>	Malayan lascar	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Lethe europa malaya</i>	Bamboo tree brown	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Mycalesis perseoides perseoides</i>	Burmese bush brown	Not Assessed	Data Deficient	No	Yes	Priority 3
Butterfly	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Phalanta phalantha phalantha</i>	Leopard	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Tanaecia iapis puseda</i>	Horsfield's baron	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Yes	No	Priority 2
Butterfly	<i>Graphium sarpedon luctatius</i>	Common bluebottle	Not Assessed	Not Assessed	No	Yes	Priority 3

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Butterfly	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Papilio demoleus malayanus</i>	Lime butterfly	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Papilio polytes romulus</i>	Common mormon	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 2
Butterfly	<i>Appias libythea olferna</i>	Striped albatross	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Catopsilia pomona pomona</i>	Lemon emigrant	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Delias hyparete metarete</i>	Painted jezebel	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Eurema hecabe contubernalis</i>	Common grass yellow	Not Assessed	Not Assessed	No	Yes	Priority 3
Butterfly	<i>Abisara savitri savitri</i>	Malay tailed judy	Not Assessed	Not Assessed	No	Yes	Priority 3
Fish	<i>Betta splendens</i>	Siamese fighting-fish	Vulnerable	Not Assessed	No	Yes	Priority 3
Fish	<i>Poecilia reticulata</i>	Guppy	Least Concern	Not Assessed	No	Yes	Priority 3
Fish	<i>Monopterus albus</i>	Asian swamp eel	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Limnonectes blythii</i>	Malayan giant frog	Near Threatened	Least Concern	No	Yes	Priority 3
Amphibian	<i>Limnonectes malesianus</i>	Malesian frog	Near Threatened	Near Threatened	No	Yes	Priority 3
Amphibian	<i>Lithobates catesbeianus</i>	American bullfrog	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Sylvirana guentheri</i>	Guenther's frog	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Microhyla heymonsi</i>	Dark-sided chorus frog	Least Concern	Least Concern	No	Yes	Priority 3
Amphibian	<i>Microhyla mukhlesuri</i>	East Asian ornate chorus frog	Least Concern	Not Assessed	No	Yes	Priority 3
Amphibian	<i>Polypedates leucomystax</i>	Four-lined tree frog	Least Concern	Least Concern	No	Yes	Priority 3
Amphibian	<i>Duttaphrynus bengalensis</i>	Indian toad	Least Concern	Not Assessed	No	Yes	Priority 3
Reptile	<i>Calotes versicolor</i>	Changeable lizard	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Gehyra mutilata</i>	Four-clawed gecko	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Gekko monarchus</i>	Spotted house gecko	Not Assessed	Not Assessed	No	Yes	Priority 3
Reptile	<i>Hemidactylus frenatus</i>	Spiny-tailed house gecko	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Eutropis multifasciata</i>	Many-lined sun skink	Not Assessed	Least Concern	No	Yes	Priority 3
Reptile	<i>Ahaetulla prasina</i>	Oriental whip snake	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Dendrelaphis pictus</i>	Painted bronzeback	Least Concern	Least Concern	No	Yes	Priority 3
Reptile	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Yes	No	Priority 2
Reptile	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Yes	No	Priority 2
Reptile	<i>Malayopython reticulatus</i>	Reticulated python	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Yes	Priority 3
Reptile	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	No	Priority 2
Bird	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 1
Bird	<i>Pernis ptilorhynchus</i>	Crested honey-buzzard	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	No	Priority 1
Bird	<i>Aegithina tiphia</i>	Common iora	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Yes	No	Priority 1
Bird	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Yes	No	Priority 1
Bird	<i>Halcyon smymensis</i>	White-throated kingfisher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Todiramphus chloris</i>	Collared kingfisher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Aerodramus sp.</i>	Unidentified swiftlet	NA	NA	NA	Yes	Priority 3
Bird	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	No	Priority 1
Bird	<i>Ardea cinerea</i>	Grey heron	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Butorides striata</i>	Striated heron	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Egretta garzetta</i>	Little egret	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Pericrocotus divaricatus</i>	Ashy minivet	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Orthotomus atrogularis</i>	Dark-necked tailorbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Orthotomus sutorius</i>	Common tailorbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Chalcophaps indica</i>	Common emerald dove	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Columba livia</i>	Rock dove	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Ducula bicolor</i>	Pied imperial pigeon	Least Concern	Data Deficient	No	Yes	Priority 3
Bird	<i>Geopelia striata</i>	Zebra dove	Least Concern	Least Concern	No	Yes	Priority 3

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Bird	<i>Spilopelia chinensis</i>	Spotted dove	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Treron vernans</i>	Pink-necked green pigeon	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Eurystomus orientalis</i>	Oriental dollarbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	No	Priority 1
Bird	<i>Corvus splendens</i>	House crow	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	No	Priority 1
Bird	<i>Eudynamis scolopaceus</i>	Asian koel	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Dicaeum cruentatum</i>	Scarlet-backed flowerpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Dicaeum trigonostigma</i>	Orange-bellied flowerpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Dicrurus paradiseus</i>	Greater racket-tailed drongo	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Hirundo tahitica</i>	Pacific swallow	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Yes	Yes	Priority 1
Bird	<i>Garrulax leucolophus</i>	White-crested laughingthrush	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Psilopogon lineatus</i>	Lineated barbet	Least Concern	Not Assessed	No	Yes	Priority 3
Bird	<i>Merops viridis</i>	Blue-throated bee-eater	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	No	Priority 1
Bird	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Yes	No	Priority 1
Bird	<i>Muscicapa dauurica</i>	Asian brown flycatcher	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Aethopyga siparaja</i>	Crimson sunbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Anthreptes malacensis</i>	Brown-throated sunbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Cinnyris jugularis</i>	Olive-backed sunbird	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Oriolus chinensis</i>	Black-naped oriole	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Gallus gallus</i>	Red junglefowl	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Phylloscopus borealis</i>	Arctic warbler	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Chrysophlegma miniaceum</i>	Banded woodpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Dinopium javanense</i>	Common flameback	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Picus vittatus</i>	Laced woodpecker	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Loriculus galgulus</i>	Blue-crowned hanging-parrot	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Psittacula alexandri</i>	Red-breasted parakeet	Near Threatened; CITES protected (Appendix II)	Not Assessed	No	Yes	Priority 3
Bird	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Yes	Priority 1
Bird	<i>Pycnonotus goiavier</i>	Yellow-vented bulbul	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Pycnonotus plumosus</i>	Olive-winged bulbul	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Yes	Priority 1
Bird	<i>Amauromis phoenicurus</i>	White-breasted waterhen	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Lewinia striata</i>	Slaty-breasted rail	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Rallina fasciata</i>	Red-legged crane	Least Concern	Near Threatened	No	Yes	Priority 3
Bird	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 1
Bird	<i>Otus lempiji</i>	Sunda scops owl	Least Concern; CITES protected (Appendix II)	Least Concern	No	Yes	Priority 3
Bird	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	No	Priority 1
Bird	<i>Acridotheres javanicus</i>	Javan myna	Vulnerable	Not Assessed	No	Yes	Priority 3
Bird	<i>Aplonis panayensis</i>	Asian glossy starling	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Mixornis gularis</i>	Pin-striped tit-babbler	Least Concern	Least Concern	No	Yes	Priority 3
Bird	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Yes	Priority 1
Non-volant mammal	<i>Canis lupus familiaris</i>	Feral dog	Not Assessed	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Yes	Priority 1
Non-volant mammal	<i>Felis catus</i>	Feral cat	Not Assessed	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Yes	No	Priority 1
Non-volant mammal	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	No	Priority 1
Non-volant mammal	<i>Rattus tiomanicus</i>	Malaysian wood rat	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	<i>Callosciurus notatus</i>	Plantain squirrel	Least Concern	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Sundasciurus tenuis</i>	Slender squirrel	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	<i>Sus scrofa</i>	Eurasian wild boar	Least Concern	Least Concern	No	Yes	Priority 3
Non-volant mammal	<i>Tupaia glis</i>	Common treeshrew	Least Concern	Not Assessed	No	Yes	Priority 3
Non-volant mammal	<i>Paradoxurus musangus</i>	Sumatran palm civet	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Saccolaimus saccolaimus</i>	Pouch tomb bat	Least Concern	Least Concern	No	Yes	Priority 3

Appendix 3 - List of Noise Sensitive Faunal Species (BBHNP)

Bat	<i>Cynopterus brachyotis</i>	Lesser short-nosed fruit bat	Least Concern	Not Assessed	No	Yes	Priority 3
Bat	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	No	Priority 1
Bat	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Yes	No	Priority 1
Bat	<i>Scotophilus kuhlii</i>	Lesser Asian house bat	Least Concern	Least Concern	No	Yes	Priority 3
Bat	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Yes	No	Priority 1
Bat	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Yes	No	Priority 1
Bat	<i>Tylonycteris sp.</i>	Unidentified bamboo bat	Least Concern	Vulnerable	Yes	Yes	Priority 1

**APPENDIX 4**  
**LIST OF PROBABLE FAUNAL SPECIES AT BBNP [AREA B1 (WEST OF**  
**LORONG SESUAI)], B2, B3, B4, C1, C2**

Faunal group	Total no. of recorded species		No. of probable CS species
	All species	CS species	
Aculeate hymenopterans	57	1	12
Bees	24	1	12
Stinging wasps	33	0	0
Odonates	28	2	11
Dragonflies	24	0	4
Damselflies	4	2	7
Butterflies	68	1	29
Freshwater decapod crustaceans	5	1	3
Freshwater fish	14	0	0
Freshwater molluscs	4	0	0
Herpetofauna	32	1	10
Amphibians	10	0	0
Reptiles	22	1	10
Birds	90	11	32
Mammals	24	6	14
Non-volant Mammals	15	4	6
Bats	9	2	8
Spiders	144	0	0
<b>Total</b>	<b>466</b>	<b>23</b>	<b>111</b>

Faunal group	No. of recorded species (all species)			No. of recorded species (CS species)		
	Total	B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	% of total	Total	B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	% of total
Aculeate hymenopterans	84	57	67.9	1	1	100.0
Bees	36	24	66.7	1	1	100.0
Stinging wasps	48	33	68.8	0	0	0.0
Odonates	40	28	70.0	2	0	0.0
Dragonflies	33	24	72.7	0	0	0.0
Damselflies	7	4	57.1	2	0	0.0
Butterflies	111	68	61.3	5	1	20.0
Freshwater decapod crustaceans	8	5	62.5	2	1	50.0
Freshwater fish	25	14	56.0	0	0	0.0
Freshwater molluscs	7	4	57.1	0	0	0.0
Herpetofauna	44	32	72.7	3	1	33.3
Amphibians	15	10	66.7	1	0	0.0
Reptiles	29	22	75.9	2	1	50.0
Birds	120	90	75.0	15	11	73.3
Mammals	27	24	88.9	7	6	85.7
Non-volant Mammals	17	15	88.2	5	4	80.0
Bats	10	9	90.0	2	2	100.0
Spiders	201	144	71.6	0	0	0.0
<b>Total</b>	<b>667</b>	<b>466</b>	<b>69.9</b>	<b>34</b>	<b>21</b>	<b>61.8</b>

Appendix 4 - List of Probable Fauna Species at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2] - Native Status Summary Table

Faunal Group	All Study Areas				Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2			
	Total	Native	Non-native	NA	Total	Native	Non-native	NA
Aculeate hymenopterans	84	79	3	2	57	56	0	1
Bees	36	33	3	0	24	24	0	0
Stinging wasps	48	46	0	2	33	32	0	1
Odonates	40	40	0	0	28	28	0	0
Dragonflies	33	33	0	0	24	24	0	0
Damselflies	7	7	0	0	4	4	0	0
Butterflies	111	104	4	3	68	63	3	2
Freshwater decapod crustaceans	8	3	2	3	5	2	1	2
Freshwater fish	25	5	17	2	14	4	9	1
Freshwater molluscs	7	1	2	4	4	1	1	2
Herpetofauna	44	33	10	1	32	23	9	0
Amphibians	15	9	6	0	10	5	5	0
Reptiles	29	24	4	1	22	18	4	0
Birds	120	103	16	1	90	74	15	1
Mammals	27	24	3	0	24	21	3	0
Non-volant Mammals	17	14	3	0	15	12	3	0
Bats	10	10	0	0	9	9	0	0
Spiders	201	0	0	201	144	0	0	144
<b>Total</b>	<b>667</b>	<b>392</b>	<b>57</b>	<b>217</b>	<b>466</b>	<b>272</b>	<b>41</b>	<b>153</b>



No.	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Ascher et al., 2022; Lee, pers comm)	Species of conservation significance	Native status (The Biodiversity of Singapore, 2021; Lee, pers comm)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Ascher et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	Remarks
1	Bee	Apidae	<i>Amegilla andrewsi</i>	Andrew's blue-banded digger bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	B1, B2, B3, B4	
2	Bee	Apidae	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	Yes	B1	
3	Bee	Apidae	<i>Apis andreniformis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	B4	Nesting observed
4	Bee	Apidae	<i>Apis cerana</i>	Eastern honey bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	B1, B3, B4, C1	Nesting observed
5	Bee	Apidae	<i>Apis dorsata</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	C1	
6	Bee	Apidae	<i>Ceratina collusor</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	B1	
7	Bee	Apidae	<i>Ceratina dentipes</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	B1	
8	Bee	Apidae	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	-	
9	Bee	Apidae	<i>Ceratina lieftincki</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	B3, C2	
10	Bee	Apidae	<i>Ceratina nigrolateralis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	B1, B4	
11	Bee	Apidae	<i>Ceratina perforatrix</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	B1	
12	Bee	Apidae	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	-	
13	Bee	Apidae	<i>Homotrigona apicalis</i>	NA	Not Assessed	Near Threatened	No	Native	BTNR	Yes	B1, C1	Nesting observed
14	Bee	Apidae	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	-	
15	Bee	Apidae	<i>Tetragonula laeviceps</i>	NA	Not Assessed	Near Threatened	No	Native	BTNR	Yes	B1, B4	
16	Bee	Apidae	<i>Tetragonula valdezi</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	B1, B3, B4	
17	Bee	Apidae	<i>Thyreus himalayensis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	B3, B4	
18	Bee	Apidae	<i>Xylocopa aestuans</i>	White-cheeked carpenter bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	B1, B4	
19	Bee	Apidae	<i>Xylocopa caerulea</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	B1	
20	Bee	Apidae	<i>Xylocopa flavonigrescens</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	B1, B4	
21	Bee	Apidae	<i>Xylocopa latipes</i>	Broad-handed carpenter bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	B1, B4, C1	
22	Bee	Halictidae	<i>Lasioglossum albescens</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	B1	
23	Bee	Halictidae	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Yes	Native	BTNR	No	-	
24	Bee	Halictidae	<i>Lasioglossum vagans</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	B4	
25	Bee	Halictidae	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	-	
26	Bee	Halictidae	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Yes	Native	BTNR	No	-	
27	Bee	Halictidae	<i>Nomia fuscipennis</i>	NA	Not Assessed	Near Threatened	No	Native	BTNR	Yes	C2	
28	Bee	Halictidae	<i>Nomia iridescens</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	B4	
29	Bee	Halictidae	<i>Nomia sp. aff. apicalis</i>	NA	Not Assessed	Near Threatened	No	Native	-	Yes	B1, C1, C2	
30	Bee	Halictidae	<i>Nomia strigata</i>	Pearly-banded bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	B1, B3, B4, C1, C2	
31	Bee	Halictidae	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Yes	Native	BTNR	No	-	
32	Bee	Megachilidae	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	-	
33	Bee	Megachilidae	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	-	
34	Bee	Megachilidae	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	-	
35	Bee	Megachilidae	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	-	
36	Wasp	Crabronidae	<i>Bembeclus sp.</i>	NA	Not Assessed	Not Assessed	No	Native	-	Yes	B1	
37	Wasp	Crabronidae	<i>Dasyproctus agilis</i>	NA	Not Assessed	Data Deficient	No	Native	-	Yes	B1	Nesting observed
38	Wasp	Crabronidae	<i>Dasyproctus sp.</i>	NA	Not Assessed	Data Deficient	No	Native	-	Yes	B2	
39	Wasp	Crabronidae	<i>Liris subtessellatus</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1	
40	Wasp	Crabronidae	<i>Tachytes cf. modestus</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	B4	
41	Wasp	Crabronidae	<i>Tachytes sp.</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	B1	
42	Wasp	Crabronidae	<i>Trypoxylon sp.</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	B1, B2	
43	Wasp	Crabronidae	Family Crabronidae	NA	Not Assessed	NA	NA	NA	-	Yes	C1	
44	Wasp	Pompilidae	<i>Auplopus sp.</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1, C1	
45	Wasp	Pompilidae	<i>Batozonellus sp.</i>	NA	Not Assessed	Data Deficient	No	Native	-	Yes	B1	
46	Wasp	Pompilidae	<i>Epsylon sp.</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	B2	
47	Wasp	Sphecidae	<i>Chalybion bengalense</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1, B4	
48	Wasp	Sphecidae	<i>Isodontia diodon</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	B2, C1	
49	Wasp	Sphecidae	<i>Sphex subtruncatus</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B2	
50	Wasp	Vespidae	<i>Antepipona sp. nr. bipustulata</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1, B2, C1	Nesting observed
51	Wasp	Vespidae	<i>Eumenes aff. punctatus</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	B3	
52	Wasp	Vespidae	<i>Eustenogaster hauxwelli</i>	NA	Not Assessed	Near Threatened	No	Native	-	Yes	B1	
53	Wasp	Vespidae	<i>Liostenogaster nitidipennis</i>	NA	Not Assessed	Near Threatened	No	Native	-	Yes	B1, B4	Nesting observed
54	Wasp	Vespidae	<i>Liostenogaster varipicta</i>	NA	Not Assessed	Near Threatened	No	Native	Tengah	Yes	B1, B2, C1	
55	Wasp	Vespidae	<i>Omicroides sp.</i>	NA	Not Assessed	Data Deficient	No	Native	-	Yes	B1	
56	Wasp	Vespidae	<i>Parapolybia varia</i>	Lesser paper wasp	Not Assessed	Near Threatened	No	Native	-	Yes	B1	

No.	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Ascher et al., 2022; Lee, pers comm)	Species of conservation significance	Native status (The Biodiversity of Singapore, 2021; Lee, pers comm)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Ascher et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	Remarks
57	Wasp	Vespidae	<i>Parischnogaster mellyi</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1, B2, B3, B4, C1	Nesting observed
58	Wasp	Vespidae	<i>Polistes sagittarius</i>	Banded paper wasp	Not Assessed	Least Concern	No	Native	-	Yes	B4	
59	Wasp	Vespidae	<i>Polistes tenebris</i>	NA	Not Assessed	Data Deficient	No	Native	Tengah	Yes	B3	
60	Wasp	Vespidae	<i>Rhynchium haemorrhoidale</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1, C1	
61	Wasp	Vespidae	<i>Ropalidia erythrospila</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1, B4	Nesting observed
62	Wasp	Vespidae	<i>Ropalidia jacobsoni</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B4	Nesting observed
63	Wasp	Vespidae	<i>Ropalidia stigma</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1, B2, B4, C1, C2	
64	Wasp	Vespidae	<i>Ropalidia sumatrae</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1, B2, B3, B4, C1	Nesting observed
65	Wasp	Vespidae	<i>Ropalidia timida</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	B1, B3	Nesting observed
66	Wasp	Vespidae	<i>Stenodyneriellus guttulatus</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1, B4, C1	
67	Wasp	Vespidae	<i>Vespa analis</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	B1	Nesting observed
68	Wasp	Vespidae	<i>Vespa tropica</i>	Greater banded hornet	Not Assessed	Least Concern	No	Native	Tengah	Yes	B2, B4	

No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Ngiam & Ng, 2022)	Species of Conservation Significance (Yes/No)	Distribution/Rarity (Ngiam & Ng, 2022)	Native status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Cal et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	Remarks
1	Damselfly	Argiolestidae	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	Yes	Restricted and Uncommon	Native	BTNR	No	-	
2	Damselfly	Calopterygidae	<i>Vestalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	Yes	Restricted but Common	Native	BTNR, Tengah	No	-	
3	Damselfly	Coenagrionidae	<i>Aciastrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Yes	Restricted and Very Rare	Native	BTNR	No	-	
4	Damselfly	Coenagrionidae	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Yes	Restricted but Common	Native	BTNR	No	-	
5	Damselfly	Coenagrionidae	<i>Ceragrion cerinorubellum</i>	Ornate coraltail	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1	
6	Damselfly	Coenagrionidae	<i>Pseudagrion microcephalum</i>	Blue sprite	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1	Mating observed
7	Damselfly	Platycnemididae	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	-	No	-	
8	Damselfly	Platycnemididae	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	Yes	Restricted and Uncommon	Native	BTNR	No	-	
9	Damselfly	Platycnemididae	<i>Prodasineura humeralis</i>	Orange-striped threadtail	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR	Yes	B1	Mating observed
10	Damselfly	Platycnemididae	<i>Prodasineura notostigma</i>	Crescent threadtail	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR	Yes	B1, B2, C1	Mating observed
11	Damselfly	Platystictidae	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	Yes	Restricted but Common	Native	BTNR, Tengah	No	-	
12	Dragonfly	Aeshnidae	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	-	No	-	
13	Dragonfly	Gomphidae	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Yes	Restricted and Rare	Native	-	No	-	
14	Dragonfly	Gomphidae	<i>Ictinogomphus decoratus</i>	Common fangetail	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1	
15	Dragonfly	Libellulidae	<i>Aethriamanta brevipennis</i>	Scarlet adjutant	Least Concern	Least Concern	No	Widespread but Uncommon	Native	-	Yes	B1	
16	Dragonfly	Libellulidae	<i>Aethriamanta gracilis</i>	Pond adjutant	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	B1	
17	Dragonfly	Libellulidae	<i>Agrionoptera insignis</i>	Grenadier	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B4	
18	Dragonfly	Libellulidae	<i>Brachydiplax chalybea</i>	Blue dasher	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1	
19	Dragonfly	Libellulidae	<i>Camacinia gigantea</i>	Sultan	Least Concern	Least Concern	No	Widespread but Uncommon	Native	BTNR	Yes	B1	
20	Dragonfly	Libellulidae	<i>Chalybeothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Yes	Restricted and Uncommon	Native	-	No	-	
21	Dragonfly	Libellulidae	<i>Cratilla metallica</i>	Dark-tipped forest skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B4	Ovipositing observed
22	Dragonfly	Libellulidae	<i>Indothemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	Yes	Restricted and Very Rare	Native	-	No	-	
23	Dragonfly	Libellulidae	<i>Lathrecista asiatica</i>	Scarlet grenadier	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, C1	
24	Dragonfly	Libellulidae	<i>Neurothemis fluctuans</i>	Common parasol	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B3, B4, C1, C2	
25	Dragonfly	Libellulidae	<i>Orthetrum chrysis</i>	Spine-tufted skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B4, C1, C2	Ovipositing observed
26	Dragonfly	Libellulidae	<i>Orthetrum glaucum</i>	Common blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B3, B4, C1, C2	Mating and ovipositing observed
27	Dragonfly	Libellulidae	<i>Orthetrum luzonicum</i>	Slender blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	B3	
28	Dragonfly	Libellulidae	<i>Orthetrum testaceum</i>	Scarlet skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B4	
29	Dragonfly	Libellulidae	<i>Pantala flavescens</i>	Wandering glider	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B3	
30	Dragonfly	Libellulidae	<i>Pseudothemis jorina</i>	Banded skimmer	Least Concern	Least Concern	No	Widespread but Uncommon	Native	BTNR	Yes	B1	
31	Dragonfly	Libellulidae	<i>Rhodothemis rufa</i>	Common redbolt	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B4	
32	Dragonfly	Libellulidae	<i>Rhyothemis obsolenscens</i>	Bronze flutterer	Least Concern	Least Concern	No	Widespread but Uncommon	Native	BTNR	Yes	B1	
33	Dragonfly	Libellulidae	<i>Rhyothemis phyllis</i>	Yellow-barred flutterer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B3	
34	Dragonfly	Libellulidae	<i>Rhyothemis triangularis</i>	Sapphire flutterer	Least Concern	Least Concern	No	Widespread but Uncommon	Native	BTNR	Yes	B1	
35	Dragonfly	Libellulidae	<i>Trithemis aurora</i>	Crimson dropwing	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	B1, B2, B3, B4	
36	Dragonfly	Libellulidae	<i>Trithemis festiva</i>	Indigo dropwing	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	B1, B4, C2	
37	Dragonfly	Libellulidae	<i>Tyriobapta torrida</i>	Treehugger	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1	
38	Dragonfly	Libellulidae	<i>Urothemis signata</i>	Scarlet basker	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1	
39	Dragonfly	Libellulidae	<i>Zyxomma petiolatum</i>	Slender duskdarter	Least Concern	Least Concern	No	Widespread and Common	Native	Tengah	Yes	B1	

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008; Jain et al, 2018)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance /Rarity (Khew, 2015)	Native status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Khew & Tan, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	Remarks
1	Hesperiidae	<i>Ancistroides nigrita maura</i>	Chocolate demon	Not Assessed	Not Assessed	No	Common	Resident	Tengah	Yes	B1, B4, C2	
2	Hesperiidae	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	-	
3	Hesperiidae	<i>Bibasis harisa consobrina</i>	Orange awlet	Not Assessed	Not Assessed	No	Moderately rare	Resident	BTNR, Tengah	Yes	B2	
4	Hesperiidae	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Yes	Moderately common	Resident	Tengah	No	-	
5	Hesperiidae	<i>Caloris cornasa</i>	Full stop swift	Not Assessed	Not Assessed	No	Moderately rare	Resident	BTNR, Tengah	Yes	B2	
6	Hesperiidae	<i>Caloris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	-	
7	Hesperiidae	<i>Gangara lebadea lebadea</i>	Banded redevye	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Very rare	Resident	-	No	-	
8	Hesperiidae	<i>Iambrix salsala salsala</i>	Chestnut bob	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B3, B4, C1	
9	Hesperiidae	<i>Iambrix stellifer</i>	Starry bob	Not Assessed	Not Assessed	No	Moderately rare	Resident	-	Yes	B1	
10	Hesperiidae	<i>Notocrypta paralyos varians</i>	Banded demon	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR, Tengah	Yes	B1	
11	Hesperiidae	<i>Oriens gola pseudolus</i>	Common dartlet	Not Assessed	Not Assessed	No	Moderately common	Resident	Tengah	Yes	C1	
12	Hesperiidae	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Yes	Moderately common	Resident	-	No	-	
13	Hesperiidae	<i>Pelopidas mathias mathias</i>	Small branded swift	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B3, B4	
14	Hesperiidae	<i>Plastingia naga</i>	Chequered lancer	Not Assessed	Not Assessed	No	Moderately common	Resident	-	Yes	B2	
15	Hesperiidae	<i>Potanthus omaha omaha</i>	Lesser dart	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B4, C1	
16	Hesperiidae	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	-	
17	Hesperiidae	<i>Pyronaura latoia latoia</i>	Yellow vein lancer	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR, Tengah	Yes	B2	
18	Hesperiidae	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Yes	Rare	Resident	-	No	-	
19	Hesperiidae	<i>Suastus gremius gremius</i>	Palm bob	Not Assessed	Not Assessed	No	Common	Resident	-	Yes	C2	
20	Hesperiidae	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Yes	Moderately rare	Resident	BTNR	No	-	
21	Hesperiidae	<i>Taractroera archias quinta</i>	Yellow grass dart	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR	Yes	C1	
22	Hesperiidae	<i>Telicota besta bina</i>	Besta palm dart	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR	Yes	B4	
23	Hesperiidae	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Resident	-	No	-	
24	Hesperiidae	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Yes	Very rare	Resident	-	No	-	
25	Lycaenidae	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Yes	Very rare	Resident	-	No	-	
26	Lycaenidae	<i>Anthene emolus goberus</i>	Ciliate blue	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	B1, B4, C2	
27	Lycaenidae	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Resident	-	No	-	
28	Lycaenidae	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Yes	Rare	Resident	-	No	-	
29	Lycaenidae	<i>Arhopala athada athada</i>	Vinous oakblue	Not Assessed	Not Assessed	No	Moderately common	Resident	-	Yes	B1, B2	
30	Lycaenidae	<i>Arhopala centaurus nakula</i>	Centaur oakblue	Not Assessed	Not Assessed	No	Moderately common	Resident	Tengah	Yes	B1	
31	Lycaenidae	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	BTNR	No	-	
32	Lycaenidae	<i>Arhopala major major</i>	NA	Not Assessed	Data Deficient	No	Common	Resident	-	Yes	B1, B2	
33	Lycaenidae	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Rare	Resident	BTNR	No	-	
34	Lycaenidae	<i>Caleta elna elvira</i>	Elbowed pierrot	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR	Yes	C1	
35	Lycaenidae	<i>Catopyrops ancya</i>	Ancyra blue	Not Assessed	Vulnerable	Yes	Moderately rare	Resident	-	No	-	
36	Lycaenidae	<i>Curetis santana malayica</i>	Malayan sunbeam	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR	Yes	B1	
37	Lycaenidae	<i>Eooxylides tharis distanti</i>	Branded imperial	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	Overpositing observed
38	Lycaenidae	<i>Hypolycaena erylus teatus</i>	Common tit	Not Assessed	Not Assessed	No	Common	Resident	-	Yes	B1, B3	
39	Lycaenidae	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	-	
40	Lycaenidae	<i>Lampides boeticus</i>	Pea blue	Not Assessed	Not Assessed	No	Common	Resident	Tengah	Yes	B3, B4	
41	Lycaenidae	<i>Logania marmorata damis</i>	Pale mottle	Not Assessed	Not Assessed	No	Moderately common	Resident	-	Yes	B4	
42	Lycaenidae	<i>Loxura atymnus fuconius</i>	Yamfly	Not Assessed	Not Assessed	No	Moderately common	Resident	-	Yes	B4, C1	
43	Lycaenidae	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Yes	Rare	Resident	-	No	-	
44	Lycaenidae	<i>Miletus sp.</i>	Unidentified brownwing	NA	NA	NA	NA	NA	BTNR	Yes	B4	
45	Lycaenidae	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Resident	BTNR	No	-	
46	Lycaenidae	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	-	
47	Lycaenidae	<i>Nacaduba sanaya eliotti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	Tengah	No	-	

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008; Jain et al, 2018)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance /Rarity (Khew, 2015)	Native status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Khew & Tan, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	Remarks
48	Lycaenidae	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Yes	Very rare	Resident	BTNR	No	-	
49	Lycaenidae	<i>Semanga superba deliciosa</i>	NA	Not Assessed	Not Assessed	No	Moderately rare	Resident	-	Yes	B1	
50	Lycaenidae	<i>Spalgis epius epius</i>	Apefly	Not Assessed	Not Assessed	No	Moderately common	Resident	-	Yes	B4	
51	Lycaenidae	<i>Zizeeria maha serica</i>	Pale grass blue	Not Assessed	Not Assessed	No	Common	Non-native	-	Yes	B4	
52	Lycaenidae	<i>Zizina otis lampa</i>	Lesser grass blue	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	B1, B3, B4, C1	
53	Lycaenidae	<i>Zizula hylax pygmaea</i>	Pygmy grass blue	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B3, B4, C1	
54	Nymphalidae	<i>Acraea terpsicore</i>	Tawny coster	Not Assessed	Not Assessed	No	Common	Non-native	Tengah	Yes	B3, B4	
55	Nymphalidae	<i>Athyma nefte subrata</i>	Colour sergeant	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	B1	
56	Nymphalidae	<i>Cethosia cyane</i>	Leopard lacewing	Not Assessed	Not Assessed	No	Common	Non-native	-	Yes	C2	
57	Nymphalidae	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Yes	Very rare	Resident	-	No	-	
58	Nymphalidae	<i>Cupha erymanthis lotis</i>	Rustic	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR	Yes	B1, B4, C1	
59	Nymphalidae	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Yes	Rare	Resident	-	No	-	
60	Nymphalidae	<i>Doleschallia bisaltide bisaltide</i>	Autumn leaf	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B4	Caterpillars observed
61	Nymphalidae	<i>Elymnias hypermnestra agina</i>	Common palmfly	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B2, B4, C1, C2	
62	Nymphalidae	<i>Elymnias panthera panthera</i>	Tawny palmfly	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR, Tengah	Yes	B1, C2	
63	Nymphalidae	<i>Euthalia adonia pinwilli</i>	Green baron	Not Assessed	Not Assessed	No	Moderately common	Resident	-	Yes	B1, B4	
64	Nymphalidae	<i>Euthalia monina monina</i>	Malay baron	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B4	Caterpillars observed
65	Nymphalidae	<i>Faunis canens arcasilas</i>	Common faun	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B2, C1	
66	Nymphalidae	<i>Hypolimnas anomala anomala</i>	Malayan eggfly	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B3	Caterpillars observed
67	Nymphalidae	<i>Hypolimnas bolina</i>	Unidentified eggfly	NA	NA	NA	NA	NA	BTNR, Tengah	Yes	B1	
68	Nymphalidae	<i>Junonia almana javana</i>	Peacock pansy	Least Concern	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B3, B4	
69	Nymphalidae	<i>Junonia hedonia ida</i>	Chocolate pansy	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
70	Nymphalidae	<i>Lasippa tiga siaka</i>	Malayan lascar	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, C2	Mating observed
71	Nymphalidae	<i>Lethe europa malaya</i>	Bamboo tree brown	Not Assessed	Not Assessed	No	Moderately rare	Resident	-	Yes	B3, B4	
72	Nymphalidae	<i>Lexias pardalis diiteana</i>	Archduke	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	B1, B4	
73	Nymphalidae	<i>Moduza procris milonia</i>	Commander	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR	Yes	B1, B4	
74	Nymphalidae	<i>Mycalesis mineus macromalayana</i>	Dark brand bush brown	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B4, C2	
75	Nymphalidae	<i>Mycalesis perseoides perseoides</i>	Burmese bush brown	Not Assessed	Data Deficient	No	Common	Resident	Tengah	Yes	B1, B4, C1	
76	Nymphalidae	<i>Mycalesis perseus cepheus</i>	Dingy bush brown	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR, Tengah	Yes	B1, B3, B4, C2	
77	Nymphalidae	<i>Mycalesis visala phamis</i>	Long brand bush brown	Not Assessed	Not Assessed	No	Moderately common	Resident	Tengah	Yes	B2, B4	
78	Nymphalidae	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Rare	Resident	BTNR	Yes	B3	
79	Nymphalidae	<i>Phalanta phalantha phalantha</i>	Leopard	Not Assessed	Not Assessed	No	Common	Resident	-	Yes	B4, C2	Overpositing observed
80	Nymphalidae	<i>Polyura schreiber tisamenus</i>	Blue nawab	Not Assessed	Not Assessed	No	Moderately rare	Resident	-	Yes	B1	
81	Nymphalidae	<i>Tanaecia lapis puseda</i>	Horsfield's baron	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B3, B4, C1	Overpositing observed
82	Nymphalidae	<i>Tanaecia pelea pelea</i>	Malay viscount	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B2, B4, C1	
83	Nymphalidae	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Very rare	Vagrant	-	No	-	
84	Nymphalidae	<i>Vindula dejone erotella</i>	Cruiser	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	B1, B4	
85	Nymphalidae	<i>Ypthima baldus newboldi</i>	Common five-ring	Not Assessed	Not Assessed	No	Common	Resident	Tengah	Yes	C1	
86	Nymphalidae	<i>Ypthima horsfieldii humei</i>	Malayan five-ring	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
87	Papilionidae	<i>Graphium sarpedon luctatus</i>	Common bluebottle	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B4	
88	Papilionidae	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Yes	Moderately common	Resident	-	No	-	
89	Papilionidae	<i>Papilio demoleus malayanus</i>	Lime butterfly	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	B1, B4	
90	Papilionidae	<i>Papilio polytes romulus</i>	Common mormon	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
91	Papilionidae	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Yes	Rare	Resident	BTNR	No	-	
92	Papilionidae	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Yes	Moderately common	Resident	BTNR	No	-	
93	Pieridae	<i>Appias libythea offerna</i>	Striped albatross	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B3, B4	
94	Pieridae	<i>Delias hyparete metarete</i>	Painted jezebel	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	
95	Pieridae	<i>Eurema hecabe contubernalis</i>	Common grass yellow	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	B3, B4	Mating observed
96	Riodinidae	<i>Abisara savitri savitri</i>	Malay tailed judy	Not Assessed	Not Assessed	No	Moderately rare	Resident	BTNR, Tengah	Yes	B1, B2	

Appendix 4 - List of Probable Fauna Species at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2] - Decapods

No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008)	Species of Conservation Significance (Yes/No)	Native Status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Khoo et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, C1
1	Freshwater crab	Gecarcinucidae	<i>Parathelphusa maculata</i>	Maculate freshwater crab	Least Concern	Not Assessed	No	Native	BTNR	Yes	B1, B2
2	Freshwater crab	Sesarmidae	<i>Geosesarma peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	Yes	Native	BTNR	No	-
3	Freshwater crayfish	Parastacidae	<i>Cherax quadricarinatus</i>	Redclaw crayfish	Least Concern	Not Assessed	No	Non-native	BTNR	Yes	B1
4	Freshwater shrimp	Atyidae	<i>Caridina sp.</i>	NA	NA	NA	NA	NA	-	Yes	B1
5	Freshwater shrimp	Palaemonidae	<i>Macrobrachium sp.</i>	NA	NA	NA	NA	NA	-	Yes	B1

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008)	Species of Conservation Significance (Yes/No)	Native Status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Li et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, C1
1	Ambassidae	<i>Parambassis siamensis</i>	Indochinese glass-perchlet	Least Concern	Not Assessed	No	Non-native	-	Yes	B1
2	Aplocheilidae	<i>Aplocheilus lineatus</i>	Banded panchax	Least Concern	Not Assessed	No	Non-native	-	Yes	B1
3	Channidae	<i>Channa micropeltes</i>	Giant snakehead/toman	Least Concern	Not Assessed	No	Non-native	-	Yes	B1
4	Cichlidae	<i>Oreochromis mossambicus</i>	Mozambique tilapia	Vulnerable	Not Assessed	No	Non-native	BTNR	Yes	B1
5	Cichlidae	<i>Cichlasoma urophthalmum</i>	Mayan cichlid	Least Concern	Not Assessed	No	Non-native	BTNR	Yes	B1
6	Clariidae	<i>Clarias cf. batrachus</i>	Common walking catfish	Not Assessed	Not Assessed	No	Native	BTNR	Yes	B1
7	Cyprinidae	<i>Puntigrus partipentazona</i>	Malayan tiger barb	Least Concern	Not Assessed	No	Non-native	BTNR, Tengah	Yes	B1
8	Loricariidae	<i>Pterygoplichthys sp.</i>	Unidentified armoured sucking catfish	NA	NA	NA	NA	-	Yes	B1
9	Osphronemidae	<i>Betta pugnax</i>	Malayan forest betta	Least Concern	Not Assessed	No	Native	BTNR	Yes	B1
10	Osphronemidae	<i>Trichopsis vittata</i>	Croaking gouramy	Least Concern	Not Assessed	No	Native	BTNR, Tengah	Yes	B1
11	Poeciliidae	<i>Poecilia reticulata</i>	Guppy	Least Concern	Not Assessed	No	Non-native	BTNR, Tengah	Yes	B1, B2, C1
12	Poeciliidae	<i>Xiphophorus helleri</i>	Swordtail	Least Concern	Not Assessed	No	Non-native	-	Yes	B1
13	Poeciliidae	<i>Xiphophorus maculatus</i>	Southern platy	Data Deficient	Not Assessed	No	Non-native	BTNR	Yes	B1
14	Synbranchidae	<i>Monopterus albus</i>	Asian swamp eel	Least Concern	Not Assessed	No	Native	BTNR, Tengah	Yes	B1, B2, C1

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008)	Species of Conservation	Native Status	Bukit Timah Nature Reserve (BTNR)	Recorded Species	Study Area B1 (West of Lorong Sesuai), B2, C1
1	Ampullariidae	<i>Pomacea canaliculata</i>	NA	Least Concern	Not Assessed	No	Non-native	-	Yes	B1
2	Thiaridae	<i>Melanoides tuberculata</i>	NA	Least Concern	Not Assessed	No	Native	-	Yes	B1, B2
3	Thiaridae	<i>Tarebia granifera</i>	NA	Least Concern	Not Assessed	No	Indeterminate	-	Yes	B1
4	Viviparidae	<i>Filopaludina sp.</i>	NA	NA	NA	NA	NA	-	Yes	B1



No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (Baker & Lim, 2012)	Native Status (Baker & Lim, 2012)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	Remarks
1	Frog	Dicroglossidae	<i>Fejervarya limnocharis</i>	Field frog	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, C1	
2	Frog	Dicroglossidae	<i>Limnonectes blythii</i>	Malayan giant frog	Near Threatened	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Frogspawn and tadpoles observed
3	Frog	Eleutherodactylidae	<i>Eleutherodactylus planirostris</i>	Greenhouse frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Tengah	Yes	B1, B2, B3, B4, C1, C2	
4	Frog	Ranidae	<i>Lithobates catesbeianus</i>	American bullfrog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Tengah	Yes	B1	
5	Frog	Microhylidae	<i>Kaloula pulchra</i>	Banded bull frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	BTNR, Tengah	Yes	B1, B4, C1	
6	Frog	Microhylidae	<i>Microhyla butleri</i>	Painted chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1	Tadpoles observed
7	Frog	Microhylidae	<i>Microhyla heymonsi</i>	Dark-sided chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B4, C1	Tadpoles observed
8	Frog	Microhylidae	<i>Microhyla mukhlesuri</i>	East Asian ornate chorus frog	Least Concern	Not Assessed	No	Restricted and Rare	Non-native	BTNR	Yes	C1	
9	Frog	Rhacophoridae	<i>Polypedates leucomystax</i>	Four-lined tree frog	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B4, C1	Tadpoles observed
10	Toad	Bufonidae	<i>Duttaphrynus bengalensis</i>	Indian toad	Least Concern	Not Assessed	No	Widespread and Common	Non-native	BTNR, Tengah	Yes	B1, B2, B4, C1	Tadpoles observed

No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (Baker & Lim, 2012)	Native Status (Baker & Lim, 2012)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	Remarks
1	Non-marine lizard	Agamidae	<i>Bronchocela cristatella</i>	Green crested lizard	Not Assessed	Least Concern	No	Widespread but Uncommon	Native	BTNR, Tengah	Yes	B1, B2, B4, C1	
2	Non-marine lizard	Agamidae	<i>Calotes versicolor</i>	Changeable lizard	Not Assessed	Not Assessed	No	Widespread and Common	Non-native	BTNR, Tengah	Yes	B1, B2, B4	
3	Non-marine lizard	Agamidae	<i>Draco sumatranus</i>	Sumatran flying dragon	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR	Yes	B1, B4, C1, C2	
4	Non-marine lizard	Dactyloidae	<i>Anolis sagrei</i>	Brown anole	Not Assessed	Not Assessed	No	Restricted but Common	Non-native	-	Yes	B4	
5	Non-marine lizard	Gekkonidae	<i>Gehyra mutilata</i>	Four-clawed gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	BTNR	Yes	B1	
6	Non-marine lizard	Gekkonidae	<i>Gekko monachus</i>	Spotted house gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	
7	Non-marine lizard	Gekkonidae	<i>Hemidactylus brookii</i>	Brooke's house gecko	Not Assessed	Not Assessed	No	Restricted and Rare	Non-native	-	Yes	B4	
8	Non-marine lizard	Gekkonidae	<i>Hemidactylus frenatus</i>	Spiny-tailed house gecko	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B3, B4, C1, C2	
9	Non-marine lizard	Gekkonidae	<i>Hemidactylus platyurus</i>	Flat-tailed gecko	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR	Yes	B4	
10	Non-marine lizard	Scincidae	<i>Eutropis multifasciata</i>	Many-lined sun skink	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B3, C1	Also recorded on camera trap
11	Non-marine lizard	Scincidae	<i>Lygosoma bowringii</i>	Garden supple skink	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR	Yes	B3, C1	
12	Non-marine lizard	Varanidae	<i>Varanus nebulosus</i>	Clouded monitor	Not Assessed; CITES protected (Appendix I)	Least Concern	No	Restricted but Common	Native	BTNR	Yes	B1, B2, B3, B4, C1, C2	Roadkill observed; also recorded on camera trap
13	Non-marine lizard	Varanidae	<i>Varanus salvator</i>	Malayan water monitor	Least Concern; CITES protected (Appendix II)	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B4, C1	Also recorded on camera trap
14	Non-marine snake	Colubridae	<i>Ahaetulla prasina</i>	Oriental whip snake	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, C1	
15	Non-marine snake	Colubridae	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR, Tengah	No	-	
16	Non-marine snake	Colubridae	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Yes	Widespread but Rare	Native	BTNR	No	-	
17	Non-marine snake	Colubridae	<i>Chrysopelea paradisi</i>	Paradise gliding snake	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	B1, B4	Roadkill observed; also recorded on camera trap
18	Non-marine snake	Colubridae	<i>Dendrelaphis caudolineatus</i>	Striped bronzeback	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B2	
19	Non-marine snake	Colubridae	<i>Dendrelaphis kopsteini</i>	Red-necked bronzeback	Least Concern	Near Threatened	No	Widespread but Rare	Native	BTNR, Tengah	Yes	B1	
20	Non-marine snake	Colubridae	<i>Dendrelaphis pictus</i>	Painted bronzeback	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B4, C1	
21	Non-marine snake	Colubridae	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR, Tengah	No	-	
22	Non-marine snake	Colubridae	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Yes	Restricted and Rare	Native	BTNR, Tengah	No	-	Previously recorded in B1 (West of Lorong Sesuai) (Law et al., 2022)
23	Non-marine snake	Colubridae	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR, Tengah	No	-	
24	Non-marine snake	Colubridae	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	BTNR	No	-	
25	Non-marine snake	Elapidae	<i>Calliophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR	No	-	
26	Non-marine snake	Elapidae	<i>Naja sumatrana</i>	Equatorial spitting cobra	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1	
27	Non-marine snake	Elapidae	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Restricted and Rare	Native	-	No	-	
28	Non-marine snake	Pythonidae	<i>Malayopython reticulatus</i>	Reticulated python	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	B4	
29	Non-marine turtle	Emydidae	<i>Trachemys scripta</i>	Red-eared slider	Least Concern	Not Assessed	No	Widespread and Common	Non-native	BTNR, Tengah	Yes	B1	
30	Non-marine turtle	Geomydidae	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Restricted but Common	Native	Tengah	No	-	
31	Non-marine turtle	Trionychidae	<i>Amyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Restricted and Uncommon	Native	Tengah	Yes	C1	

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2022)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (NSS, 2020; Singapore Birds Project, 2020)	Primary Native Status (NSS, 2020; Singapore Birds Project, 2020)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Lim, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	Remarks
1	Accipitridae	<i>Accipiter trivirgatus</i>	Crested goshawk	Least Concern; CITES protected (Appendix II)	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	B4	
2	Accipitridae	<i>Ichthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened;	Vulnerable	Yes	Uncommon	Resident breeder	BTNR, Tengah	No	-	Nesting observed
3	Accipitridae	<i>Haliaeetus leucogaster</i>	White-bellied sea eagle	Least Concern; CITES protected (Appendix II)	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B4, C1, C2	
4	Accipitridae	<i>Haliastur indus</i>	Brahminy kite	Least Concern; CITES protected (Appendix II)	Least Concern	No	Common	Resident breeder	Tengah	Yes	B1	
5	Accipitridae	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	Also recorded on camera trap
6	Accipitridae	<i>Pernis ptilorhynchus</i>	Crested honey-buzzard	Least Concern; CITES protected (Appendix II)	Least Concern	No	Common	Passage migrant	-	Yes	B1	
7	Accipitridae	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Rare	Resident, breeding not proven	BTNR, Tengah	No	-	
8	Aegithinidae	<i>Aegithina tiphia</i>	Common iora	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	B1, B3, B4, C1	
9	Alcedinidae	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Yes	Uncommon	Resident breeder	BTNR, Tengah	No	-	
10	Alcedinidae	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	-	No	-	
11	Alcedinidae	<i>Halcyon smymensis</i>	White-throated kingfisher	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	B1, B2, B3, B4, C1	Also recorded on camera trap
12	Alcedinidae	<i>Pelargopsis capensis</i>	Stork-billed kingfisher	Least Concern	Least Concern	No	Uncommon	Resident breeder	Tengah	Yes	C1	
13	Alcedinidae	<i>Todiramphus chloris</i>	Collared kingfisher	Least Concern	Least Concern	No	Abundant	Resident breeder	Tengah	Yes	B1, B4	
14	Anatidae	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Yes	Uncommon	Resident breeder	-	No	-	
15	Anatidae	<i>Nettion coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	Yes	Rare	Resident, breeding not proven	-	No	-	
16	Apodidae	<i>Aerodramus sp.</i>	Unidentified swiftlet	NA	NA	NA	NA	NA	-	Yes	B1, B2, B3, B4, C1, C2	
17	Apodidae	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR, Tengah	Yes	B1, B3, C1	
18	Ardeidae	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Yes	Uncommon	Resident breeder	-	No	-	
19	Ardeidae	<i>Egretta garzetta</i>	Little egret	Least Concern	Least Concern	No	Common	Non-breeding visitor	-	Yes	B3	
20	Ardeidae	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Tengah	No	-	
21	Bucerotidae	<i>Anthraceroceros albirostris</i>	Oriental pied hornbill	Least Concern; CITES protected (Appendix II)	Near Threatened	No	Common	Introduced resident breeder	-	Yes	B4	
22	Cacatuidae	<i>Cacatua goffiniana</i>	Tanibar corella	Near Threatened; CITES protected (Appendix I)	Not Assessed	No	Common	Introduced resident breeder	-	Yes	B4	
23	Campephagidae	<i>Pericrocotus divaricatus</i>	Ashy minivet	Least Concern	Least Concern	No	Common	Winter visitor	Tengah	Yes	B1, B2, B4	
24	Caprimulgidae	<i>Caprimulgus affinis</i>	Savanna nightjar	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	B4	
25	Caprimulgidae	<i>Caprimulgus macrurus</i>	Large-tailed nightjar	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1	
26	Chloropseidae	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Yes	Rare	Resident, breeding not proven	BTNR	No	-	
27	Chloropseidae	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Yes	Uncommon	Resident, breeding not proven	BTNR	No	-	
28	Cisticolidae	<i>Orthotomus atrogularis</i>	Dark-necked tailorbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
29	Cisticolidae	<i>Orthotomus ruficeps</i>	Ashy tailorbird	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	B1	
30	Cisticolidae	<i>Orthotomus sericeus</i>	Rufous-tailed tailorbird	Least Concern	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
31	Cisticolidae	<i>Orthotomus sutorius</i>	Common tailorbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B4, C1	
32	Cisticolidae	<i>Prinia flaviventris</i>	Yellow-bellied prinia	Least Concern	Near Threatened	No	Common	Resident breeder	Tengah	Yes	B1	
33	Columbidae	<i>Chalcophaps indica</i>	Common emerald dove	Least Concern	Least Concern	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	Also recorded on camera trap
34	Columbidae	<i>Columba livia</i>	Rock dove	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	-	Yes	B1, B3, B4	Also recorded on camera trap
35	Columbidae	<i>Ducula bicolor</i>	Pied imperial pigeon	Least Concern	Data Deficient	No	Uncommon	Introduced resident breeder	Tengah	Yes	B1, B2, B3, B4	
36	Columbidae	<i>Geopelia striata</i>	Zebra dove	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	B3, B4	Also recorded on camera trap
37	Columbidae	<i>Spilopelia chinensis</i>	Spotted dove	Least Concern	Least Concern	No	Abundant	Resident breeder	Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
38	Columbidae	<i>Treron curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR	No	-	
39	Columbidae	<i>Treron vernans</i>	Pink-necked green pigeon	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	
40	Coraciidae	<i>Eurystomus orientalis</i>	Oriental dollarbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	
41	Corvidae	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Tengah	Yes	B1, B2	
42	Corvidae	<i>Corvus splendens</i>	House crow	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Tengah	Yes	B1, B3, B4, C1, C2	
43	Cuculidae	<i>Cacomantis merulinus</i>	Plaintive cuckoo	Least Concern	Least Concern	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	C1	
44	Cuculidae	<i>Centropus sinensis</i>	Greater coucal	Least Concern	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	B1, B2, B4, C1	Also recorded on camera trap
45	Cuculidae	<i>Chrysococcyx xanthurhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR	Yes	B1, C1	
46	Cuculidae	<i>Eudynamis scolopaceus</i>	Asian koel	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	B1, B2, B3, B4, C2	
47	Cuculidae	<i>Surmiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR	Yes	B1, B2, C1	
48	Dicaeidae	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	Yes	Rare	Resident, breeding not proven	BTNR	No	-	
49	Dicaeidae	<i>Dicaeum cruentatum</i>	Scarlet-backed flowerpecker	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
50	Dicaeidae	<i>Dicaeum trigonostigma</i>	Orange-bellied flowerpecker	Least Concern	Near Threatened	No	Common	Resident breeder	BTNR	Yes	B1, B2, B4, C1, C2	
51	Dicruridae	<i>Dicrurus paradiseus</i>	Greater racket-tailed drongo	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Nesting observed; also recorded on camera trap
52	Heliornithidae	<i>Heliopais personatus</i>	Masked finfoot	Endangered	Endangered	Yes	Rare	Non-breeding visitor	-	No	-	

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2022)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (NSS, 2020; Singapore Birds Project, 2020)	Primary Native Status (NSS, 2020; Singapore Birds Project, 2020)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Lim, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	Remarks
53	Hirundinidae	<i>Hirundo tahitica</i>	Pacific swallow	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B3, B4, C1	
54	Irenidae	<i>Irena puella</i>	Asian fairy-bluebird	Least Concern	Near Threatened	No	Uncommon	Resident breeder	BTNR	Yes	B4	
55	Laniidae	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Yes	Common	Winter visitor	Tengah	No	-	
56	Laniidae	<i>Lanius tigrinus</i>	Tiger shrike	Least Concern	Near Threatened	No	Common	Winter visitor	BTNR	Yes	B4	
57	Leiothrichidae	<i>Garrulax leucolophus</i>	White-crested laughingthrush	Least Concern	Not Assessed	No	Common	Introduced resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
58	Megalaimidae	<i>Psilopogon lineatus</i>	Lineated barbet	Least Concern	Not Assessed	No	Common	Introduced resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	
59	Meropidae	<i>Merops philippinus</i>	Blue-tailed bee-eater	Least Concern	Least Concern	No	Common	Winter visitor	Tengah	Yes	B1, B4	
60	Meropidae	<i>Merops viridis</i>	Blue-throated bee-eater	Least Concern	Least Concern	No	Common	Migrant breeder	BTNR, Tengah	Yes	B1, B2, C1	
61	Monarchidae	<i>Terpsiphone atrocaudata</i>	Japanese paradise flycatcher	Near Threatened	Near Threatened	No	Rare	Passage migrant	-	Yes	B2	
62	Muscicapidae	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Tengah	Yes	B1, B2, B4	
63	Muscicapidae	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Tengah	Yes	B1, B4	Also recorded on camera trap
64	Muscicapidae	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Yes	Uncommon	Winter visitor	BTNR, Tengah	No	-	
65	Muscicapidae	<i>Ficedula zanthopygia</i>	Yellow-rumped flycatcher	Least Concern	Least Concern	No	Uncommon	Passage migrant	Tengah	Yes	B1, B4	
66	Muscicapidae	<i>Larivora cyane</i>	Siberian blue robin	Least Concern	Near Threatened	No	Common	Passage migrant	BTNR, Tengah	Yes	B1, B2, B3	
67	Muscicapidae	<i>Muscicapa dauurica</i>	Asian brown flycatcher	Least Concern	Least Concern	No	Common	Winter visitor	BTNR, Tengah	Yes	B1, B2, B3, B4, C2	
68	Nectarinidae	<i>Aethopyga siparaja</i>	Crimson sunbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
69	Nectarinidae	<i>Anthreptes malacensis</i>	Brown-throated sunbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
70	Nectarinidae	<i>Archnothera longirostra</i>	Little spiderhunter	Least Concern	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, C1	Also recorded on camera trap
71	Nectarinidae	<i>Cinnyris jugularis</i>	Olive-backed sunbird	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	B1, B2, B3, B4, C1	
72	Nectarinidae	<i>Leptocoma brasiliana</i>	Van Hasselt's sunbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1	
73	Oriolidae	<i>Oriolus chinensis</i>	Black-naped oriole	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
74	Passeridae	<i>Passer montanus</i>	Eurasian tree sparrow	Least Concern	Least Concern	No	Common	Resident breeder	-	Yes	B3, B4	
75	Phalacrocoracidae	<i>Phalacrocorax carbo</i>	#N/A	Least Concern	Not Assessed	No	Not Assessed	Introduced	-	Yes	B3	
76	Phasianidae	<i>Gallus gallus</i>	Red junglefowl	Least Concern	Near Threatened	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
77	Phasianidae	<i>Gallus gallus (domestic)</i>	Domestic chicken	Not Assessed	Not Assessed	No	NA	Introduced	-	Yes	B1	
78	Phylloscopidae	<i>Phylloscopus borealis</i>	Arctic warbler	Least Concern	Least Concern	No	Common	Winter visitor	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	Also recorded on camera trap
79	Phylloscopidae	<i>Phylloscopus borealoides</i>	Sakhalin leaf warbler	Least Concern	Near Threatened	No	Rare	Winter visitor	BTNR	Yes	B3	
80	Phylloscopidae	<i>Phylloscopus coronatus</i>	Eastern crowned warbler	Least Concern	Least Concern	No	Common	Winter visitor	BTNR, Tengah	Yes	C2	
81	Picidae	<i>Chrysophlegma miniaceum</i>	Banded woodpecker	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
82	Picidae	<i>Dinopium javanense</i>	Common flameback	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
83	Picidae	<i>Micropternis brachyurus</i>	Rufous woodpecker	Least Concern	Least Concern	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	B4	
84	Picidae	<i>Picus vittatus</i>	Laced woodpecker	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
85	Picidae	<i>Yungipicus moluccensis</i>	Sunda pygmy woodpecker	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	C1	
86	Podicipedidae	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Yes	Rare	Resident breeder	-	No	-	
87	Psittaculidae	<i>Loriculus galgulus</i>	Blue-crowned hanging-parrot	Least Concern; CITES	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
88	Psittaculidae	<i>Psittacula alexandri</i>	Red-breasted parakeet	Near Threatened; CITES protected (Appendix II)	Not Assessed	No	Common	Introduced resident breeder	Tengah	Yes	B1, B2, B3, B4, C1	Nesting observed
89	Psittaculidae	<i>Psittacula krameri</i>	Rose-ringed parakeet	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Tengah	Yes	B1, B2, B4, C1, C2	
90	Psittaculidae	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
91	Psittaculidae	<i>Psittinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident, breeding not proven	BTNR, Tengah	No	-	
92	Psittaculidae	<i>Trichoglossus haematodus</i>	Coconut lorikeet	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Introduced resident breeder	Tengah	Yes	B1, B4	
93	Pycnonotidae	<i>Brachypodius melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Yes	Rare	Resident breeder	BTNR	No	-	
94	Pycnonotidae	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR, Tengah	Yes	B1	
95	Pycnonotidae	<i>Pycnonotus goiavier</i>	Yellow-vented bulbul	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	Also recorded on camera trap
96	Pycnonotidae	<i>Pycnonotus jocosus</i>	Red-whiskered bulbul	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	BTNR	Yes	B2, C1	
97	Pycnonotidae	<i>Pycnonotus plumosus</i>	Olive-winged bulbul	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
98	Pycnonotidae	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR, Tengah	No	-	
99	Pycnonotidae	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Uncommon	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	
100	Rallidae	<i>Amaurornis phoenicurus</i>	White-breasted waterhen	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B3, B4	Also recorded on camera trap
101	Rallidae	<i>Rallina fasciata</i>	Red-legged crane	Least Concern	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	B1, B2, B4, C1, C2	Also recorded on camera trap
102	Rhipiduridae	<i>Rhipidura javanica</i>	Malaysian pied fantail	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	B1, B4	Also recorded on camera trap
103	Strigidae	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Uncommon	Resident breeder	-	No	-	
104	Strigidae	<i>Ninox scutulata</i>	Brown boobook	Least Concern; CITES protected (Appendix II)	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B4	

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105	Strigidae	<i>Otus lempiji</i>	Sunda scops owl	Least Concern; CITES protected (Appendix II)	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
106	Strigidae	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Uncommon	Resident breeder	-	No	-	
107	Sturnidae	<i>Acridotheres javanicus</i>	Javan myna	Vulnerable	Not Assessed	No	Abundant	Introduced resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
108	Sturnidae	<i>Aplonis panayensis</i>	Asian glossy starling	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
109	Sturnidae	<i>Gracula religiosa</i>	Common hill myna	Least Concern; CITES protected (Appendix I)	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	B1, B2, C1, C2	
110	Timaliidae	<i>Mixornis gularis</i>	Pin-striped tit-babbler	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
111	Zosteropidae	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Common	Introduced resident breeder	BTNR, Tengah	Yes	B1, B2, B3, B4, C2	

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/Abundance/Rarity (Baker & Lim, 2012)	Native Status (NParks, 2021)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2	Remarks
1	Canidae	<i>Canis lupus familiaris</i>	Feral dog	Not Assessed	Not Assessed	No	Not Assessed	Non-native	Tengah	Yes	B3, C1	Recorded on camera trap
2	Cercopithecidae	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES prot	Least Concern	Yes	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1	Also recorded on camera trap
3	Cynocephalidae	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Restricted but Common	Native	BTNR	Yes	B1, B2, B4, C1, C2	Also recorded on camera trap
4	Felidae	<i>Felis catus</i>	Feral cat	Not Assessed	Not Assessed	No	Not Assessed	Non-native	Tengah	Yes	B1	Also recorded on camera trap
5	Felidae	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES	Critically Endangered	Yes	Restricted and Rare	Native	-	No	-	Previously recorded in D (O'Dempsey, pers comms)
6	Manidae	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; C	Critically Endangered	Yes	Widespread but Rare	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Recorded on camera trap
7	Muridae	<i>Rattus norvegicus</i>	Brown rat	Least Concern	Not Assessed	No	Widespread and Common	Non-native	-	Yes	B3	
8	Muridae	<i>Rattus tanezumii</i>	Asian house rat	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B3, B4, C1, C2	Recorded on camera trap
9	Muridae	<i>Rattus tiomanicus</i>	Malaysian wood rat	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, C1, C2	Also recorded on camera trap
10	Muridae	<i>Sundamys annandalei</i>	Annandale's rat	Least Concern	Not Assessed	No	Restricted but Common	Native	BTNR	Yes	B1, B2, B3, B4, C2	Also recorded on camera trap
11	Mustelidae	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES prot	Endangered	Yes	Widespread but Rare	Native	-	No	-	
12	Sciuridae	<i>Callosciurus notatus</i>	Plantain squirrel	Least Concern	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Roadkill observed; also recorded on camera trap
13	Sciuridae	<i>Iomys horsfieldii</i>	Horsfield's flying squirrel	Least Concern	Endangered	Yes	Restricted and Rare	Native	BTNR	No	-	Previously recorded in B1 (West of Lorong Sesuai) (Chua et al., 2013)
14	Sciuridae	<i>Sundasciurus tenuis</i>	Slender squirrel	Least Concern	Least Concern	No	Restricted but Common	Native	BTNR, Tengah	Yes	B1, B2, B4, C1	Also recorded on camera trap
15	Suidae	<i>Sus scrofa</i>	Eurasian wild boar	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
16	Tupaiaidae	<i>Tupaia glis</i>	Common treeshrew	Least Concern	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
17	Viverridae	<i>Paradoxurus musangus</i>	Sumatran palm civet	Least Concern	Least Concern	No	Widespread but Uncommon	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2	Also recorded on camera trap
-	Sciuridae	<i>Family Sciuridae</i>	Unidentified flying squirrel	NA	NA	Yes	NA	NA	BTNR	Yes	B1	

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1	Emballonuridae	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Yes	Restricted and Rare	Native	BTNR	No	-
2	Emballonuridae	<i>Saccolaimus saccolaimus</i>	Pouch tomb bat	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2
3	Emballonuridae	<i>Taphozous melanopogon</i>	Black-bearded tomb bat	Least Concern	Least Concern	No	Widespread but Rare	Native	-	Yes	B1, B2, B3, B4, C1, C2
4	Hipposideridae	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Yes	Restricted and Rare	Native	BTNR	No	-
5	Molossidae	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Yes	Restricted and Rare	Native	BTNR	No	-
6	Pteropodidae	<i>Cynopterus brachyotis</i>	Lesser short-nosed fruit bat	Least Concern	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1
7	Pteropodidae	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	BTNR	Yes	B4
8	Pteropodidae	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	Yes	Restricted and Rare	Native	BTNR	No	-
9	Pteropodidae	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; C1	Critically Endangered	Yes	NA	Visitor	BTNR	No	-
10	Rhinolophidae	<i>Rhinolophus refulgens</i>	Glossy horseshoe bat	Least Concern	Not Assessed	No	Restricted but Common	Native	BTNR	Yes	B1, B2, B3, B4, C1, C2
11	Vespertilionidae	<i>Myotis horsfieldii</i>	Horsfield's myotis	Least Concern	Least Concern	No	NA	Native	-	Yes	B1, B2
12	Vespertilionidae	<i>Myotis muricola</i>	Asian whiskered myotis	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2
13	Vespertilionidae	<i>Scotophilus kuhlii</i>	Lesser Asian house bat	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1, C2
14	Vespertilionidae	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR	No	-
15	Vespertilionidae	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Yes	Widespread and Common	Native	BTNR	No	-
-	Vespertilionidae	<i>Tylonycteris sp.</i>	Unidentified bamboo bat	Least Concern	Vulnerable	Yes	NA	Native	BTNR, Tengah	Yes	B1, B2, B3, B4, C1

No.	Family	Scientific Name	Global Status (IUCN/CITES)	National Status	Species of Interest (Yes/No)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Koh & Court, 2019)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2
1	Araneidae	<i>Araneus nox</i>	Not Assessed	Not Assessed	No	-	Yes	B4
2	Araneidae	<i>Argiope jinghongensis</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2
3	Araneidae	<i>Argiope versicolor</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, C2
4	Araneidae	<i>Cyclosa bifida</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B4
5	Araneidae	<i>Cyclosa insulana</i>	Not Assessed	Not Assessed	No	BTNR	Yes	C2
6	Araneidae	<i>Cyrtophora cicutrosa</i>	Not Assessed	Not Assessed	No	-	Yes	C2
7	Araneidae	<i>Cyrtophora cylindroides</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1
8	Araneidae	<i>Eriovixia laglaizei</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, C2
9	Araneidae	<i>Gea spinipes</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2
10	Araneidae	<i>Macracantha hasselti</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B4, C1
11	Araneidae	<i>Neoscona punctigera</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1
12	Araneidae	<i>Neoscona vigilans</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B2, B3, C2
13	Araneidae	<i>Nephila pilipes</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2
14	Araneidae	<i>Parawixia dehaani</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B3, C1
15	Araneidae	<i>Polys illepidus</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B2
16	Araneidae	<i>Singa perpolita</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2
17	Barychelidae	<i>Rhianodes atratus</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1
18	Bemmeridae	<i>Damarchus workmani</i>	Not Assessed	Not Assessed	No	-	Yes	B2
19	Clubionidae	<i>Clubiona cf. meraukensis</i>	Not Assessed	Not Assessed	No	-	Yes	B3
20	Clubionidae	<i>Nusatidia camouflata</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B3, B4, C2
21	Corinnidae	<i>Corinnomma javanum</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B4
22	Corinnidae	<i>Corinnomma severum</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1
23	Ctenidae	<i>Acantheis OS</i>	Not Assessed	Not Assessed	No	-	Yes	B1
24	Ctenidae	<i>Acantheis YL</i>	Not Assessed	Not Assessed	No	-	Yes	B2
25	Ctenidae	<i>Bowie abdulmajid</i>	Not Assessed	Not Assessed	Yes	-	Yes	B2
26	Ctenidae	<i>Ctenus SH</i>	Not Assessed	Not Assessed	No	-	Yes	B2
27	Deinopidae	<i>Asianopsis sp.</i>	Not Assessed	Not Assessed	No	-	Yes	B4
28	Linyphiidae	<i>Batueta voluta</i>	Not Assessed	Not Assessed	No	-	Yes	B1
29	Linyphiidae	<i>Knischatiria cf. longispina</i>	Not Assessed	Not Assessed	Yes	BTNR	Yes	B1, B3
30	Linyphiidae	<i>Nasoonia crucifera</i>	Not Assessed	Not Assessed	No	-	Yes	B1, C1, C2
31	Linyphiidae	<i>Neonesiotes OM</i>	Not Assessed	Not Assessed	No	-	Yes	B4
32	Liocranidae	<i>Oedignatha CT</i>	Not Assessed	Not Assessed	No	-	Yes	B4
33	Liocranidae	<i>Oedignatha scrobiculata</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2, B4, C1
34	Liocranidae	<i>Sphingius punctatus</i>	Not Assessed	Not Assessed	No	-	Yes	B3
35	Liocranidae	<i>Sphingius vivax</i>	Not Assessed	Not Assessed	No	-	Yes	B4
36	Lycosidae	<i>Pardosa pusiola</i>	Not Assessed	Not Assessed	No	-	Yes	B1
37	Lycosidae	<i>Pardosa sumatrana</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B3, C1
38	Lycosidae	<i>Trochosa rucolooides</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2, C1, C2
39	Lycosidae	<i>Venonia coruscans</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2, B3, C1
40	Mysmenidae	<i>cf. Mysmena DH</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2, B3, C2
41	Oonopidae	<i>Ischnothyreus brunneus</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B4, C1
42	Oonopidae	<i>Ischnothyreus cf. serpentinum</i>	Not Assessed	Not Assessed	No	-	Yes	B4, C1
43	Oonopidae	<i>Ischnothyreus poculum</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, C2
44	Oonopidae	<i>Prethopalpus schwendingeri</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, C2
45	Oonopidae	<i>Xyphinus karschi</i>	Not Assessed	Not Assessed	No	-	Yes	B4, C1
46	Oxyopidae	<i>Oxyopes auratus</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1
47	Oxyopidae	<i>Oxyopes lineatipes</i>	Not Assessed	Not Assessed	No	-	Yes	B2
48	Philodromidae	<i>Philodromus SW</i>	Not Assessed	Not Assessed	No	-	Yes	B1
49	Pholcidae	<i>Belisana CS</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2, B3, B4, C1
50	Pholcidae	<i>Belisana PH</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2, B3, B4, C1, C2
51	Pholcidae	<i>Belisana RE</i>	Not Assessed	Not Assessed	No	-	Yes	B2
52	Pholcidae	<i>Belisana TY</i>	Not Assessed	Not Assessed	No	-	Yes	B4
53	Pholcidae	<i>Belisana YT</i>	Not Assessed	Not Assessed	No	-	Yes	B2
54	Pholcidae	<i>Holocneminus multiguttatus</i>	Not Assessed	Not Assessed	No	-	Yes	B1
55	Pholcidae	<i>Leptopholcus podophthalmus</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B3, C1
56	Pholcidae	<i>Pholcus gracillimus</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1
57	Pholcidae	<i>Pribumia atrigularis</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1
58	Pholcidae	<i>Uthina luzonica</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B4
59	Pisauridae	<i>Dolomedes SC</i>	Not Assessed	Not Assessed	No	-	Yes	B2
60	Pisauridae	<i>Sphedanus quadrimaculatus</i>	Not Assessed	Not Assessed	No	-	Yes	B1
61	Psilodercidae	<i>Leclercera PV</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B4
62	Salticidae	<i>aff. Nannenus LF</i>	Not Assessed	Not Assessed	No	-	Yes	C1
63	Salticidae	<i>Bavia sexpunctata</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2, C2
64	Salticidae	<i>Burmattus pococki</i>	Not Assessed	Not Assessed	No	-	Yes	B1
65	Salticidae	<i>Cytaea CE</i>	Not Assessed	Not Assessed	No	-	Yes	B3
66	Salticidae	<i>Epeus flavobilineatus</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, C1
67	Salticidae	<i>Epeus SS</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B3, C1
68	Salticidae	<i>Evarcha besar</i>	Not Assessed	Not Assessed	No	-	Yes	B2
69	Salticidae	<i>Harmochirus brachiatus</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B2
70	Salticidae	<i>Myrmarachne aff. sabahna</i>	Not Assessed	Not Assessed	Yes	-	Yes	B1, B2
71	Salticidae	<i>Myrmarachne comuta</i>	Not Assessed	Not Assessed	No	-	Yes	B1
72	Salticidae	<i>Myrmarachne melanocephala</i>	Not Assessed	Not Assessed	No	-	Yes	B1, C1, C2
73	Salticidae	<i>Phintella bifurcilinea</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2, B3, B4
74	Salticidae	<i>Phintella debilis</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2, B3, C1
75	Salticidae	<i>Portia labiata</i>	Not Assessed	Not Assessed	Yes	BTNR	Yes	C1
76	Salticidae	<i>Ptocasius weyersi</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B2, B4, C2
77	Salticidae	<i>Thiania bhamoensis</i>	Not Assessed	Not Assessed	No	-	Yes	B1, C2
78	Salticidae	<i>Thorelliola ensifera</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B3, C1
79	Salticidae	<i>Viciria pavesii</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2, B4, C1
80	Scytodidae	<i>aff. Scytodes LL</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2, C2
81	Scytodidae	<i>Dictis CS</i>	Not Assessed	Not Assessed	No	-	Yes	B1, C1
82	Scytodidae	<i>Scytodes BP</i>	Not Assessed	Not Assessed	No	-	Yes	B1, C1, C2
83	Scytodidae	<i>Scytodes fusca</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1
84	Scytodidae	<i>Scytodes pallida</i>	Not Assessed	Not Assessed	No	BTNR	Yes	C1
85	Sparassidae	<i>Heteropoda SU</i>	Not Assessed	Not Assessed	No	-	Yes	B2



No.	Family	Scientific Name	Global Status (IUCN/CITES)	National Status	Species of Interest (Yes/No)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Koh & Court, 2019)	Recorded Species (Yes/No)	Study Area B1 (West of Lorong Sesuai), B2, B3, B4, C1 and C2
86	Sparassidae	<i>Heteropoda tetrica</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B3
87	Sparassidae	<i>Heteropoda venatoria</i>	Not Assessed	Not Assessed	No	-	Yes	B1, C1, C2
88	Sparassidae	<i>Olios CY</i>	Not Assessed	Not Assessed	No	-	Yes	B3
89	Sparassidae	<i>Pandercetes CL</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2
90	Sparassidae	<i>Pandercetes sp.</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B3
91	Telemidae	<i>Telemofila fabata</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B2, B3
92	Tetragnathidae	<i>Leucauge argentina</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2, B4, C1
93	Tetragnathidae	<i>Leucauge decorata</i>	Not Assessed	Not Assessed	No	-	Yes	C1
94	Tetragnathidae	<i>Leucauge fastigata</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B4
95	Tetragnathidae	<i>Orsinome aff. cavernicola</i>	Not Assessed	Not Assessed	Yes	-	Yes	B2
96	Tetragnathidae	<i>Tylorida striata</i>	Not Assessed	Not Assessed	No	-	Yes	B3
97	Tetragnathidae	<i>Tylorida ventralis</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2, B4, C2
98	Theraphosidae	<i>Phlogiellus LB</i>	Not Assessed	Not Assessed	No	-	Yes	B2
99	Theraphosidae	<i>Phlogiellus sp.</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2
100	Theridiidae	<i>Allothymites SS</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B3
101	Theridiidae	<i>Argyrodes fasciatus</i>	Not Assessed	Not Assessed	No	BTNR	Yes	C1
102	Theridiidae	<i>Argyrodes flavescens</i>	Not Assessed	Not Assessed	No	BTNR	Yes	C1
103	Theridiidae	<i>Campanicola CA</i>	Not Assessed	Not Assessed	No	-	Yes	B1
104	Theridiidae	<i>Carniella SL</i>	Not Assessed	Not Assessed	Yes	-	Yes	B1
105	Theridiidae	<i>cf. Thymoites TH</i>	Not Assessed	Not Assessed	Yes	-	Yes	B2, B3, C2
106	Theridiidae	<i>Chryso FT</i>	Not Assessed	Not Assessed	No	-	Yes	B1
107	Theridiidae	<i>Chryso JH</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B3
108	Theridiidae	<i>Chryso TT</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2, B3, B4, C1
109	Theridiidae	<i>Chryso YS</i>	Not Assessed	Not Assessed	No	-	Yes	B1
110	Theridiidae	<i>Janula batman</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B3, B4, C1, C2
111	Theridiidae	<i>Janula MF</i>	Not Assessed	Not Assessed	No	-	Yes	B1
112	Theridiidae	<i>Janula picta</i>	Not Assessed	Not Assessed	No	-	Yes	C2
113	Theridiidae	<i>Meotipa vesiculosa</i>	Not Assessed	Not Assessed	No	-	Yes	B1
114	Theridiidae	<i>Molione triacantha</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B4
115	Theridiidae	<i>Nihorhimea mundula</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1
116	Theridiidae	<i>Phycosoma digitula</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B4
117	Theridiidae	<i>Phycosoma hana</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B4, C2
118	Theridiidae	<i>Platnickina BN</i>	Not Assessed	Not Assessed	No	-	Yes	B4
119	Theridiidae	<i>Platnickina mneon</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B2
120	Theridiidae	<i>Rhomphaea labiata</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B3, B4, C1, C2
121	Theridiidae	<i>Stemmops nigrabdomenus</i>	Not Assessed	Not Assessed	No	-	Yes	B4
122	Theridiidae	<i>Theridion NN</i>	Not Assessed	Not Assessed	No	-	Yes	B4
123	Theridiidae	<i>Theridion PP</i>	Not Assessed	Not Assessed	No	-	Yes	C1
124	Theridiidae	<i>Theridion t-notatum</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2, B4, C1
125	Theridiidae	<i>Theridion zonulatum</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B3
126	Theridiidae	<i>Yaginumena maculosa</i>	Not Assessed	Not Assessed	No	-	Yes	B1
127	Theridiosomatidae	<i>Theridiosoma fasciatum</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B3, B4, C2
128	Theridiosomatidae	<i>Zoma YY</i>	Not Assessed	Not Assessed	No	-	Yes	B2
129	Thomisidae	<i>Amyciaea forticeps</i>	Not Assessed	Not Assessed	No	-	Yes	C1, C2
130	Thomisidae	<i>Borboropactus cinerascens</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B2
131	Thomisidae	<i>Camaricus maugei</i>	Not Assessed	Not Assessed	No	-	Yes	B3
132	Thomisidae	<i>Cebreninus magnus</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2, B3, C1
133	Thomisidae	<i>Pycnaxis krakatauensis</i>	Not Assessed	Not Assessed	No	-	Yes	B1, C1
134	Thomisidae	<i>Spilosynema DD</i>	Not Assessed	Not Assessed	No	-	Yes	B1
135	Thomisidae	<i>Tmarus SH</i>	Not Assessed	Not Assessed	No	-	Yes	B1
136	Trachelidae	<i>Orthobula CO</i>	Not Assessed	Not Assessed	No	-	Yes	B1
137	Uloboridae	<i>Miagrammopes BS</i>	Not Assessed	Not Assessed	No	-	Yes	B1, C2
138	Uloboridae	<i>Miagrammopes oblongus</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1
139	Uloboridae	<i>Philoponella raffrayi</i>	Not Assessed	Not Assessed	No	BTNR	Yes	C1
140	Zodariidae	<i>Asceua CF</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B3
141	Zodariidae	<i>Asceua VB</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2, B4
142	Zodariidae	<i>Asceua YB</i>	Not Assessed	Not Assessed	No	-	Yes	B1, B2
143	Zodariidae	<i>Cryptothele sundaica</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B2, C1
144	Zodariidae	<i>Mallinella annulipes</i>	Not Assessed	Not Assessed	No	BTNR	Yes	B1, B2, B3

**APPENDIX 5**  
**LIST OF PROBABLE FAUNAL SPECIES OF CONSERVATION SIGNIFICANCE**  
**AND RECORDED FAUNAL SPECIES AT BBTP (AREA D)**

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Species Summary Table

Faunal group	Total no. of recorded species		No. of probable CS species
	All species	CS species	
Aculeate hymenopterans	40	0	12
Bees	16	0	12
Stinging wasps	24	0	0
Odonates	26	0	9
Dragonflies	22	0	4
Damselflies	4	0	5
Butterflies	56	2	29
Freshwater decapod crustaceans	7	1	2
Freshwater fish	15	0	0
Freshwater molluscs	4	0	0
Herpetofauna	23	0	8
Amphibians	9	0	0
Reptiles	14	0	8
Birds	95	8	32
Mammals	23	6	14
Non-volant Mammals	13	4	6
Bats	10	2	8
Spiders	83	0	0
<b>Total</b>	<b>372</b>	<b>17</b>	<b>106</b>

Faunal group	No. of recorded species (all species)			No. of recorded species (CS species)		
	Total	D	% of total	Total	D	% of total
Aculeate hymenopterans	84	40	47.6	1	0	0.0
Bees	36	16	44.4	1	0	0.0
Stinging wasps	48	24	50.0	0	0	0.0
Odonates	40	26	65.0	2	0	0.0
Dragonflies	33	22	66.7	0	0	0.0
Damselflies	7	4	57.1	2	0	0.0
Butterflies	111	56	50.5	5	2	40.0
Freshwater decapod crustaceans	8	7	87.5	2	1	50.0
Freshwater fish	25	15	60.0	0	0	0.0
Freshwater molluscs	7	4	57.1	0	0	0.0
Herpetofauna	44	23	52.3	3	0	0.0
Amphibians	15	9	60.0	1	0	0.0
Reptiles	29	14	48.3	2	0	0.0
Birds	120	95	79.2	15	8	53.3
Mammals	27	23	85.2	7	6	85.7
Non-volant Mammals	17	13	76.5	5	4	80.0
Bats	10	10	100.0	2	2	100.0
Spiders	201	83	41.3	0	0	0.0
<b>Total</b>	<b>667</b>	<b>372</b>	<b>55.8</b>	<b>34</b>	<b>17</b>	<b>50.0</b>

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Native Status Summary Table

Faunal Group	All Study Areas				Area D			
	Total	Native	Non-native	NA	Total	Native	Non-native	NA
Aculeate hymenopterans	84	79	3	2	40	39	0	1
Bees	36	33	3	0	16	16	0	0
Stinging wasps	48	46	0	2	24	23	0	1
Odonates	40	40	0	0	26	26	0	0
Dragonflies	33	33	0	0	22	22	0	0
Damselflies	7	7	0	0	4	4	0	0
Butterflies	111	104	4	3	56	53	2	1
Freshwater decapod crustaceans	8	3	2	3	7	2	2	3
Freshwater fish	25	5	17	2	15	3	11	1
Freshwater molluscs	7	1	2	4	4	1	2	1
Herpetofauna	44	33	10	1	23	16	6	1
Amphibians	15	9	6	0	9	5	4	0
Reptiles	29	24	4	1	14	11	2	1
Birds	120	103	16	1	95	81	13	1
Mammals	27	24	3	0	23	20	3	0
Non-volant Mammals	17	14	3	0	13	10	3	0
Bats	10	10	0	0	10	10	0	0
Spiders	201	0	0	201	83	0	0	83
<b>Total</b>	<b>667</b>	<b>392</b>	<b>57</b>	<b>217</b>	<b>372</b>	<b>241</b>	<b>39</b>	<b>92</b>

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Aculeate hymenopterans

No.	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Ascher et al., 2022; Lee, pers comm)	Species of conservation significance	Native status (The Biodiversity of Singapore, 2021; Lee, pers comm)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Ascher et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Bee	Apidae	<i>Amegilla andrewsi</i>	Andrew's blue-banded digger bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
2	Bee	Apidae	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
3	Bee	Apidae	<i>Apis andreniformis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	Nesting observed
4	Bee	Apidae	<i>Apis cerana</i>	Eastern honey bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	Nesting observed
5	Bee	Apidae	<i>Apis dorsata</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
6	Bee	Apidae	<i>Braunsapis puangensis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
7	Bee	Apidae	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
8	Bee	Apidae	<i>Ceratina nigrolateralis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
9	Bee	Apidae	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
10	Bee	Apidae	<i>Ceratina unimaculata</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
11	Bee	Apidae	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
12	Bee	Apidae	<i>Thyreus himalayensis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
13	Bee	Apidae	<i>Xylocopa caerulea</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
14	Bee	Apidae	<i>Xylocopa flavonigrescens</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
15	Bee	Apidae	<i>Xylocopa latipes</i>	Broad-handed carpenter bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
16	Bee	Colletidae	<i>Hylaeus penangensis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
17	Bee	Halictidae	<i>Lasioglossum albescens</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
18	Bee	Halictidae	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Yes	Native	BTNR	No	
19	Bee	Halictidae	<i>Lasioglossum vagans</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
20	Bee	Halictidae	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
21	Bee	Halictidae	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Yes	Native	BTNR	No	
22	Bee	Halictidae	<i>Nomia incerta</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
23	Bee	Halictidae	<i>Nomia strigata</i>	Pearly-banded bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
24	Bee	Halictidae	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Yes	Native	BTNR	No	
25	Bee	Megachilidae	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
26	Bee	Megachilidae	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
27	Bee	Megachilidae	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
28	Bee	Megachilidae	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
29	Wasp	Crabronidae	<i>Dasyproctus sp.</i>	NA	Not Assessed	Data Deficient	No	Native	-	Yes	
30	Wasp	Crabronidae	<i>Liris sp.</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	
31	Wasp	Crabronidae	<i>Liris subtessellatus</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
32	Wasp	Crabronidae	<i>Tachytes cf. modestus</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	
33	Wasp	Pompilidae	<i>Episyron sp.</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
34	Wasp	Pompilidae	Family Pompilidae	NA	Not Assessed	NA	NA	NA	-	Yes	
35	Wasp	Sphecidae	<i>Chalybion bengalense</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
36	Wasp	Sphecidae	<i>Isodontia diodon</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	
37	Wasp	Sphecidae	<i>Sceliphron coromandelicum</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
38	Wasp	Sphecidae	<i>Sceliphron javanum</i>	NA	Not Assessed	Least Concern	No	Native	-	Yes	
39	Wasp	Vespidae	<i>Delta pyriforme</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
40	Wasp	Vespidae	<i>Liostenogaster nitidipennis</i>	NA	Not Assessed	Near Threatened	No	Native	-	Yes	Nesting observed
41	Wasp	Vespidae	<i>Liostenogaster varipicta</i>	NA	Not Assessed	Near Threatened	No	Native	Tengah	Yes	
42	Wasp	Vespidae	<i>Parischnogaster mellyi</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	Nesting observed
43	Wasp	Vespidae	<i>Parischnogaster nigricans</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
44	Wasp	Vespidae	<i>Polistes sagittarius</i>	Banded paper wasp	Not Assessed	Least Concern	No	Native	-	Yes	
45	Wasp	Vespidae	<i>Rhynchium haemorrhoidale</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
46	Wasp	Vespidae	<i>Ropalidia erythrospila</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	Nesting observed
47	Wasp	Vespidae	<i>Ropalidia jacobsoni</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	Nesting observed
48	Wasp	Vespidae	<i>Ropalidia stigma</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
49	Wasp	Vespidae	<i>Ropalidia sumatrae</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	Nesting observed
50	Wasp	Vespidae	<i>Stenodyneriellus guttulatus</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
51	Wasp	Vespidae	<i>Vespa analis</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	Nesting observed
52	Wasp	Vespidae	<i>Vespa tropica</i>	Greater banded hornet	Not Assessed	Least Concern	No	Native	Tengah	Yes	

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Odonates

No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Ngiam & Ng, 2022)	Species of Conservation Significance (Yes/No)	Distribution/Rarity (Ngiam & Ng, 2022)	Native status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Cai et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Damselfly	Argiolestidae	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	Yes	Restricted and Uncommon	Native	BTNR	No	
2	Damselfly	Coenagrionidae	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Yes	Restricted but Common	Native	BTNR	No	
3	Damselfly	Coenagrionidae	<i>Ceragrion cerinorubellum</i>	Ornate coralltail	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
4	Damselfly	Coenagrionidae	<i>Pseudagrion microcephalum</i>	Blue sprite	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Mating observed
5	Damselfly	Platycnemididae	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	-	No	
6	Damselfly	Platycnemididae	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	Yes	Restricted and Uncommon	Native	BTNR	No	
7	Damselfly	Platycnemididae	<i>Prodasineura humeralis</i>	Orange-striped threadtail	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR	Yes	Mating observed
8	Damselfly	Platycnemididae	<i>Prodasineura notostigma</i>	Crescent threadtail	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR	Yes	Mating observed
9	Damselfly	Platystictidae	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	Yes	Restricted but Common	Native	BTNR, Tengah	No	
10	Dragonfly	Aeshnidae	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	-	No	
11	Dragonfly	Gomphidae	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Yes	Restricted and Rare	Native	-	No	-
12	Dragonfly	Gomphidae	<i>Ictinogomphus decoratus</i>	Common flangetail	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
13	Dragonfly	Libellulidae	<i>Acisoma panorpoides</i>	Trumpet tail	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
14	Dragonfly	Libellulidae	<i>Aethriamanta gracilis</i>	Pond adjutant	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	
15	Dragonfly	Libellulidae	<i>Brachydiplax chalybea</i>	Blue dasher	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
16	Dragonfly	Libellulidae	<i>Brachythemis contaminata</i>	Common amberwing	Least Concern	Least Concern	No	Widespread and Common	Native	-	Yes	
17	Dragonfly	Libellulidae	<i>Chalybeothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Yes	Restricted and Uncommon	Native	-	No	-
18	Dragonfly	Libellulidae	<i>Cratilla metallica</i>	Dark-tipped forest skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Ovipositing observed
19	Dragonfly	Libellulidae	<i>Crocothemis servilia</i>	Common scarlet	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
20	Dragonfly	Libellulidae	<i>Hydrobasileus croceus</i>	Water monarch	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	
21	Dragonfly	Libellulidae	<i>Indothemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	Yes	Restricted and Very Rare	Native	-	No	
22	Dragonfly	Libellulidae	<i>Neurothemis fluctuans</i>	Common parasol	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
23	Dragonfly	Libellulidae	<i>Orthetrum chrysis</i>	Spine-tufted skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Ovipositing observed
24	Dragonfly	Libellulidae	<i>Orthetrum glaucum</i>	Common blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Mating and ovipositing observed
25	Dragonfly	Libellulidae	<i>Orthetrum luzonicum</i>	Slender blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	
26	Dragonfly	Libellulidae	<i>Orthetrum sabina</i>	Variiegated green skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
27	Dragonfly	Libellulidae	<i>Orthetrum testaceum</i>	Scarlet skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
28	Dragonfly	Libellulidae	<i>Pantala flavescens</i>	Wandering glider	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
29	Dragonfly	Libellulidae	<i>Pseudothemis jorina</i>	Banded skimmer	Least Concern	Least Concern	No	Widespread but Uncommon	Native	BTNR	Yes	
30	Dragonfly	Libellulidae	<i>Rhodothemis rufa</i>	Common redbolt	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
31	Dragonfly	Libellulidae	<i>Rhyothemis phyllis</i>	Yellow-barred flutterer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
32	Dragonfly	Libellulidae	<i>Trithemis aurora</i>	Crimson dropwing	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	
33	Dragonfly	Libellulidae	<i>Trithemis festiva</i>	Indigo dropwing	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	
34	Dragonfly	Libellulidae	<i>Urothemis signata</i>	Scarlet basker	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
35	Dragonfly	Macromiidae	<i>Epophthalmia vittigera</i>	Pond cruiser	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR	Yes	

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Butterflies

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008; Jain et al, 2018)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance /Rarity (Khew, 2015)	Native status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Khew & Tan, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Hesperiidae	<i>Ancistroides nigrita maura</i>	Chocolate demon	Not Assessed	Not Assessed	No	Common	Resident	Tengah	Yes	
2	Hesperiidae	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	
3	Hesperiidae	<i>Baoris oceia</i>	Paintbrush swift	Not Assessed	Not Assessed	No	Moderately rare	Resident	-	Yes	
4	Hesperiidae	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Yes	Moderately common	Resident	Tengah	Yes	
5	Hesperiidae	<i>Calliris comasa</i>	Full stop swift	Not Assessed	Not Assessed	No	Moderately rare	Resident	BTNR, Tengah	Yes	
6	Hesperiidae	<i>Caltonis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	
7	Hesperiidae	<i>Cephrenes sp.</i>	Unidentified palm dart	NA	NA	NA	NA	NA	-	Yes	
8	Hesperiidae	<i>Gangara lebadea lebadea</i>	Banded redevye	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Very rare	Resident	-	No	
9	Hesperiidae	<i>Iambrix salsala salsala</i>	Chestnut bob	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
10	Hesperiidae	<i>Oriens gola pseudolus</i>	Common dartlet	Not Assessed	Not Assessed	No	Moderately common	Resident	Tengah	Yes	
11	Hesperiidae	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Yes	Moderately common	Resident	-	No	
12	Hesperiidae	<i>Pelopidas mathias mathias</i>	Small branded swift	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
13	Hesperiidae	<i>Polytremis lubricans lubricans</i>	Contiguous swift	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
14	Hesperiidae	<i>Potanthus omaha omaha</i>	Lesser dart	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
15	Hesperiidae	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	Yes	
16	Hesperiidae	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Yes	Rare	Resident	-	No	
17	Hesperiidae	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Yes	Moderately rare	Resident	BTNR	No	
18	Hesperiidae	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Resident	-	No	
19	Hesperiidae	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Yes	Very rare	Resident	-	No	
20	Lycaenidae	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Yes	Very rare	Resident	-	No	
21	Lycaenidae	<i>Anthene emolus goberus</i>	Ciliate blue	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	
22	Lycaenidae	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Resident	-	No	
23	Lycaenidae	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Yes	Rare	Resident	-	No	
24	Lycaenidae	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	BTNR	No	
25	Lycaenidae	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Rare	Resident	BTNR	No	
26	Lycaenidae	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Yes	Moderately rare	Resident	-	No	
27	Lycaenidae	<i>Eooxylides tharis distanti</i>	Branded imperial	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	Overpositing observed
28	Lycaenidae	<i>Euchrysops cnejus cnejus</i>	Gram blue	Not Assessed	Not Assessed	No	Moderately common	Resident	Tengah	Yes	
29	Lycaenidae	<i>Hypolycaena erylus teatus</i>	Common tit	Not Assessed	Not Assessed	No	Common	Resident	-	Yes	
30	Lycaenidae	<i>Iraota rochana boswelliana</i>	Scarce silverstreak	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR	Yes	
31	Lycaenidae	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	
32	Lycaenidae	<i>Jamides celeno aelianus</i>	Common caerulean	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
33	Lycaenidae	<i>Logania marmorata damis</i>	Pale mottle	Not Assessed	Not Assessed	No	Moderately common	Resident	-	Yes	
34	Lycaenidae	<i>Loxura atymnus fuconius</i>	Yamfly	Not Assessed	Not Assessed	No	Moderately common	Resident	-	Yes	
35	Lycaenidae	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Yes	Rare	Resident	-	No	
36	Lycaenidae	<i>Nacaduba beroe neon</i>	Opaque sixline blue	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	
37	Lycaenidae	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Resident	BTNR	No	
38	Lycaenidae	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	
39	Lycaenidae	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	Tengah	No	
40	Lycaenidae	<i>Prosotas dubiosa lumpura</i>	Tailless line blue	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
41	Lycaenidae	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Yes	Very rare	Resident	BTNR	No	
42	Lycaenidae	<i>Tajuria cippus maxentius</i>	Peacock royal	Not Assessed	Not Assessed	No	Moderately common	Resident	-	Yes	



Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Butterflies

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008; Jain et al, 2018)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance /Rarity (Khew, 2015)	Native status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Khew & Tan, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
43	Lycaenidae	<i>Zizeeria maha serica</i>	Pale grass blue	Not Assessed	Not Assessed	No	Common	Non-native	-	Yes	
44	Lycaenidae	<i>Zizina otis lampa</i>	Lesser grass blue	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	
45	Lycaenidae	<i>Zizula hylax pygmaea</i>	Pygmy grass blue	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
46	Nymphalidae	<i>Acraea terpsicore</i>	Tawny coster	Not Assessed	Not Assessed	No	Common	Non-native	Tengah	Yes	
47	Nymphalidae	<i>Athyma nefte subrata</i>	Colour sergeant	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	
48	Nymphalidae	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Yes	Very rare	Resident	-	No	
49	Nymphalidae	<i>Cupha erymanthis lotis</i>	Rustic	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR	Yes	
50	Nymphalidae	<i>Danaus chrysippus chrysippus</i>	Plain tiger	Not Assessed	Not Assessed	No	Common	Resident	Tengah	Yes	
51	Nymphalidae	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Yes	Rare	Resident	-	No	
52	Nymphalidae	<i>Doleschallia bisaltide bisaltide</i>	Autumn leaf	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	Caterpillars observed
53	Nymphalidae	<i>Dryas iulia</i>	Julia heliconian	Not Assessed	Not Assessed	No	Not Assessed	Resident	-	Yes	
54	Nymphalidae	<i>Elymnias hypermnestra agina</i>	Common palmfly	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
55	Nymphalidae	<i>Elymnias panthera panthera</i>	Tawny palmfly	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR, Tengah	Yes	
56	Nymphalidae	<i>Euthalia aconthea gurda</i>	Baron	Not Assessed	Not Assessed	No	Common	Resident	-	Yes	
57	Nymphalidae	<i>Hypolimnas anomala anomala</i>	Malayan eggfly	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	Caterpillars observed
58	Nymphalidae	<i>Ideopsis vulgaris macrina</i>	Blue glassy tiger	Not Assessed	Not Assessed	No	Common	Resident	Tengah	Yes	
59	Nymphalidae	<i>Junonia almana javana</i>	Peacock pansy	Least Concern	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
60	Nymphalidae	<i>Junonia atlites atlites</i>	Grey pansy	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR, Tengah	Yes	
61	Nymphalidae	<i>Junonia hedonia ida</i>	Chocolate pansy	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
62	Nymphalidae	<i>Lasippa tiga siaka</i>	Malayan lascar	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	Mating observed
63	Nymphalidae	<i>Mycalesis mineus macromalayana</i>	Dark brand bush brown	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
64	Nymphalidae	<i>Mycalesis visala phamis</i>	Long brand bush brown	Not Assessed	Not Assessed	No	Moderately common	Resident	Tengah	Yes	
65	Nymphalidae	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Rare	Resident	BTNR	No	
66	Nymphalidae	<i>Neptis hylas papaja</i>	Common sailor	Not Assessed	Not Assessed	No	Moderately common	Resident	BTNR, Tengah	Yes	
67	Nymphalidae	<i>Parantica agleoides agleoides</i>	Dark glassy tiger	Not Assessed	Not Assessed	No	Common	Resident	Tengah	Yes	
68	Nymphalidae	<i>Phalanta phalantha phalantha</i>	Leopard	Not Assessed	Not Assessed	No	Common	Resident	-	Yes	Overpositing observed
69	Nymphalidae	<i>Tanaecia pelea pelea</i>	Malay viscount	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
70	Nymphalidae	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Very rare	Vagrant	-	No	
71	Nymphalidae	<i>Xanthothena busiris busiris</i>	Yellow barred	Not Assessed	Not Assessed	No	Not Assessed	Extinct	-	Yes	
72	Nymphalidae	<i>Ypthima baldus newboldi</i>	Common five-ring	Not Assessed	Not Assessed	No	Common	Resident	Tengah	Yes	
73	Nymphalidae	<i>Ypthima horsfieldii humei</i>	Malayan five-ring	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
74	Papilionidae	<i>Chilasa clytia clytia</i>	Common mime	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	Caterpillars observed
75	Papilionidae	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Yes	Moderately common	Resident	-	No	
76	Papilionidae	<i>Papilio demoleus malayanus</i>	Lime butterfly	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	
77	Papilionidae	<i>Papilio polytes romulus</i>	Common mormon	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
78	Papilionidae	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Yes	Rare	Resident	BTNR	No	
79	Papilionidae	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Yes	Moderately common	Resident	BTNR	No	
80	Pieridae	<i>Appias libythea olferna</i>	Striped albatross	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
81	Pieridae	<i>Delias hyparete metarete</i>	Painted jezebel	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
82	Pieridae	<i>Eurema hecabe contubernalis</i>	Common grass yellow	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	Mating observed
83	Riodinidae	<i>Abisara savitri savitri</i>	Malay tailed judy	Not Assessed	Not Assessed	No	Moderately rare	Resident	BTNR, Tengah	Yes	

Appendix 5 - List of Probable Faunal Species at BBTP (Area D) - Decapods

No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008)	Species of Conservation Significance (Yes/No)	Native Status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Khoo et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)
1	Freshwater crab	Gecarcinucidae	<i>Parathelphusa maculata</i>	Maculate freshwater crab	Least Concern	Not Assessed	No	Native	BTNR	Yes
2	Freshwater crayfish	Parastacidae	<i>Cherax quadricarinatus</i>	Redclaw crayfish	Least Concern	Not Assessed	No	Non-native	BTNR	Yes
3	Freshwater shrimp	Atyidae	<i>Caridina sp.</i>	NA	NA	NA	NA	NA	-	Yes
4	Freshwater shrimp	Palaemonidae	<i>Macrobrachium lanchesteri</i>	Riceland shrimp	Least Concern	Not Assessed	No	Non-native	BTNR, Tengah	Yes
5	Freshwater shrimp	Palaemonidae	<i>Macrobrachium pilimanus</i>	NA	NA	NA	NA	NA	-	Yes
6	Freshwater shrimp	Palaemonidae	<i>Macrobrachium sp.</i>	NA	NA	NA	NA	NA	-	Yes

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Fish

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008)	Species of Conservation Significance (Yes/No)	Native Status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Li et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)
1	Channidae	<i>Channa micropeltes</i>	Giant snakehead/toman	Least Concern	Not Assessed	No	Non-native	-	Yes
2	Channidae	<i>Channa striata</i>	Common snakehead/aruan	Least Concern	Not Assessed	No	Native	BTNR, Tengah	Yes
3	Cichlidae	<i>Oreochromis mossambicus</i>	Mozambique tilapia	Vulnerable	Not Assessed	No	Non-native	BTNR	Yes
4	Cichlidae	<i>Amphilophus citrinellus</i>	Midas cichlid	Least Concern	Not Assessed	No	Non-native	-	Yes
5	Cichlidae	<i>Cichlasoma urophthalmum</i>	Mayan cichlid	Least Concern	Not Assessed	No	Non-native	BTNR	Yes
6	Cichlidae	<i>Geophagus altifrons</i>	Red-striped eartheater	Not Assessed	Not Assessed	No	Non-native	-	Yes
7	Clariidae	<i>Clarias cf. batrachus</i>	Common walking catfish	Not Assessed	Not Assessed	No	Native	BTNR	Yes
8	Eleotrididae	<i>Oxyeleotris marmorata</i>	Marbled gudgeon	Least Concern	Not Assessed	No	Non-native	BTNR, Tengah	Yes
9	Gobiidae	<i>Rhinogobius similis</i>	Barcheek goby	Least Concern	Not Assessed	No	Non-native	Tengah	Yes
10	Osphronemidae	<i>Osphronemus goramy</i>	Giant gouramy	Least Concern	Not Assessed	No	Non-native	-	Yes
11	Osphronemidae	<i>Osphronemus laticlavus</i>	Red giant gourami	Endangered	Not Assessed	No	Non-native	BTNR	Yes
12	Osteoglossidae	Family Osteoglossidae	Unidentified arowana	NA	NA	NA	NA	-	Yes
13	Poeciliidae	<i>Gambusia affinis</i>	Mosquitofish	Least Concern	Not Assessed	No	Non-native	BTNR	Yes
14	Poeciliidae	<i>Poecilia reticulata</i>	Guppy	Least Concern	Not Assessed	No	Non-native	BTNR, Tengah	Yes
15	Synbranchidae	<i>Monopterus albus</i>	Asian swamp eel	Least Concern	Not Assessed	No	Native	BTNR, Tengah	Yes

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Molluscs

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008)	Species of Conservation Significance (Yes/No)	Native Status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records	Recorded Species (Yes/No)
1	Ampullariidae	<i>Pomacea canaliculata</i>	NA	Least Concern	Not Assessed	No	Non-native	-	Yes
2	Physidae	<i>Physa acuta</i>	NA	Not Assessed	Not Assessed	No	Non-native	-	Yes
3	Thiaridae	<i>Melanoides tuberculata</i>	NA	Least Concern	Not Assessed	No	Native	-	Yes
4	Thiaridae	<i>Tarebia granifera</i>	NA	Least Concern	Not Assessed	No	Indeterminate	-	Yes

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Amphibians

No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (Baker & Lim, 2012)	Native Status (Baker & Lim, 2012)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Frog	Dicroglossidae	<i>Fejervarya limnocharis</i>	Field frog	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
2	Frog	Dicroglossidae	<i>Limnonectes blythii</i>	Malayan giant frog	Near Threatened	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Frogspawn and tadpoles observed
3	Frog	Eleutherodactylidae	<i>Eleutherodactylus planirostris</i>	Greenhouse frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Tengah	Yes	
4	Frog	Microhylidae	<i>Kaloula pulchra</i>	Banded bull frog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	BTNR, Tengah	Yes	
5	Frog	Microhylidae	<i>Microhyla butleri</i>	Painted chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Tadpoles observed
6	Frog	Microhylidae	<i>Microhyla heymonsi</i>	Dark-sided chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Tadpoles observed
7	Frog	Microhylidae	<i>Microhyla mukhesuri</i>	East Asian ornate chorus frog	Least Concern	Not Assessed	No	Restricted and Rare	Non-native	BTNR	Yes	
8	Frog	Rhacophoridae	<i>Polypedates leucomystax</i>	Four-lined tree frog	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Tadpoles observed
9	Toad	Bufonidae	<i>Duttaphrynus bengalensis</i>	Indian toad	Least Concern	Not Assessed	No	Widespread and Common	Non-native	BTNR, Tengah	Yes	Tadpoles observed

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Reptiles

No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (Baker & Lim, 2012)	Native Status (Baker & Lim, 2012)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Non-marine lizard	Agamidae	<i>Bronchocela cristatella</i>	Green crested lizard	Not Assessed	Least Concern	No	Widespread but Uncommon	Native	BTNR, Tengah	Yes	
2	Non-marine lizard	Agamidae	<i>Calotes versicolor</i>	Changeable lizard	Not Assessed	Not Assessed	No	Widespread and Common	Non-native	BTNR, Tengah	Yes	
3	Non-marine lizard	Agamidae	<i>Draco sumatranus</i>	Sumatran flying dragon	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR	Yes	
4	Non-marine lizard	Gekkonidae	<i>Gehyra mutilata</i>	Four-clawed gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	BTNR	Yes	
5	Non-marine lizard	Gekkonidae	<i>Gekko monarchus</i>	Spotted house gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	
6	Non-marine lizard	Gekkonidae	<i>Hemidactylus frenatus</i>	Spiny-tailed house gecko	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
7	Non-marine lizard	Gekkonidae	<i>Hemidactylus platyurus</i>	Flat-tailed gecko	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR	Yes	
8	Non-marine lizard	Gekkonidae	<i>Lepidodactylus lugubris</i>	Maritime gecko	Not Assessed	Not Assessed	No	Widespread but Rare	Native	-	Yes	
9	Non-marine lizard	Scincidae	<i>Eutropis multifasciata</i>	Many-lined sun skink	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
10	Non-marine lizard	Varanidae	<i>Varanus salvator</i>	Malayan water monitor	Least Concern; CITES protected (Appendix II)	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
11	Non-marine snake	Colubridae	<i>Ahaetulla prasina</i>	Oriental whip snake	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
12	Non-marine snake	Colubridae	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Yes	Widespread but Rare	Native	BTNR	No	
13	Non-marine snake	Colubridae	<i>Dendrelaphis pictus</i>	Painted bronzeback	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
14	Non-marine snake	Colubridae	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR, Tengah	No	
15	Non-marine snake	Colubridae	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Yes	Restricted and Rare	Native	BTNR, Tengah	No	Previously recorded in B1 (West of Lorong Sesuai) (Law et al., 2022)
16	Non-marine snake	Colubridae	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR, Tengah	No	
17	Non-marine snake	Colubridae	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	BTNR	No	
18	Non-marine snake	Elapidae	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Restricted and Rare	Native	-	No	
19	Non-marine turtle	Emydidae	<i>Trachemys decussata</i>	Cuban slider	Not Assessed	Not Assessed	No	Not Assessed	Not Assessed	-	Yes	
20	Non-marine turtle	Emydidae	<i>Trachemys scripta</i>	Red-eared slider	Least Concern	Not Assessed	No	Widespread and Common	Non-native	BTNR, Tengah	Yes	
21	Non-marine turtle	Geomydidae	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Restricted but Common	Native	Tengah	No	
22	Non-marine turtle	Trionychidae	<i>Amyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Restricted and Uncommon	Native	Tengah	No	

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Birds

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2022)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (NSS, 2020; Singapore Birds Project, 2020)	Primary Native Status (NSS, 2020; Singapore Birds Project, 2020)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Lim, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Accipitridae	<i>Accipiter gularis</i>	Japanese sparrowhawk	Least Concern; CITES protected (Appendix II)	Least Concern	No	Common	Passage migrant	BTNR, Tengah	Yes	
2	Accipitridae	<i>Accipiter soloensis</i>	Chinese sparrowhawk	Least Concern; CITES protected (Appendix II)	Least Concern	No	Uncommon	Passage migrant	BTNR	Yes	
3	Accipitridae	<i>Icthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened;	Vulnerable	Yes	Uncommon	Resident breeder	BTNR, Tengah	Yes	Nesting observed
4	Accipitridae	<i>Haliaeetus leucogaster</i>	White-bellied sea eagle	Least Concern; CITES protected (Appendix II)	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
5	Accipitridae	<i>Haliastur indus</i>	Brahminy kite	Least Concern; CITES protected (Appendix II)	Least Concern	No	Common	Resident breeder	Tengah	Yes	
6	Accipitridae	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
7	Accipitridae	<i>Pernis ptilorhynchus</i>	Crested honey-buzzard	Least Concern; CITES protected (Appendix II)	Least Concern	No	Common	Passage migrant	-	Yes	
8	Accipitridae	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Yes	Rare	Resident, breeding not proven	BTNR, Tengah	No	
9	Aegithinidae	<i>Aegithina tiphia</i>	Common iora	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	
10	Alcedinidae	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Yes	Uncommon	Resident breeder	BTNR, Tengah	No	
11	Alcedinidae	<i>Ceyx erithaca</i>	Oriental dwarf kingfisher	Least Concern	Near Threatened	No	Uncommon	Winter visitor	-	Yes	
12	Alcedinidae	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	-	No	
13	Alcedinidae	<i>Halcyon smyrnensis</i>	White-throated kingfisher	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	Also recorded on camera trap
14	Alcedinidae	<i>Todiramphus chloris</i>	Collared kingfisher	Least Concern	Least Concern	No	Abundant	Resident breeder	Tengah	Yes	
15	Anatidae	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Yes	Uncommon	Resident breeder	-	No	
16	Anatidae	<i>Nettion coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	Yes	Rare	Resident, breeding not proven	-	No	
17	Apodidae	<i>Aerodramus sp.</i>	Unidentified swiftlet	NA	NA	NA	NA	NA	-	Yes	
18	Apodidae	<i>Apus pacificus</i>	Pacific swift	Least Concern	Least Concern	No	Common	Passage migrant	BTNR	Yes	
19	Apodidae	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR, Tengah	Yes	
20	Ardeidae	<i>Ardea intermedia</i>	Intermediate egret	Least Concern	Least Concern	No	Uncommon	Non-breeding visitor	Tengah	Yes	
21	Ardeidae	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Yes	Uncommon	Resident breeder	-	No	
22	Ardeidae	<i>Gorsachius melanolophus</i>	Malayan night heron	Least Concern	Near Threatened	No	Uncommon	Winter visitor	BTNR, Tengah	Yes	Recorded on camera trap
23	Ardeidae	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Yes	Uncommon	Resident breeder	Tengah	No	
24	Bucerotidae	<i>Anthracceros albirostris</i>	Oriental pied hornbill	Least Concern; CITES protected (Appendix II)	Near Threatened	No	Common	Introduced resident breeder	-	Yes	
25	Campephagidae	<i>Lalage nigra</i>	Pied triller	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	
26	Campephagidae	<i>Pericrocotus divaricatus</i>	Ashy minivet	Least Concern	Least Concern	No	Common	Winter visitor	Tengah	Yes	
27	Caprimulgidae	<i>Caprimulgus macrurus</i>	Large-tailed nightjar	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
28	Charadriidae	<i>Vanellus indicus</i>	Red-wattled lapwing	Least Concern	Near Threatened	No	Common	Resident breeder	Tengah	Yes	
29	Chloropseidae	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Yes	Rare	Resident, breeding not proven	BTNR	No	
30	Chloropseidae	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Yes	Uncommon	Resident, breeding not proven	BTNR	No	
31	Cisticolidae	<i>Orthotomus atrogularis</i>	Dark-necked tailorbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
32	Cisticolidae	<i>Orthotomus sericeus</i>	Rufous-tailed tailorbird	Least Concern	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	
33	Cisticolidae	<i>Orthotomus sutorius</i>	Common tailorbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
34	Cisticolidae	<i>Prinia flaviventris</i>	Yellow-bellied prinia	Least Concern	Near Threatened	No	Common	Resident breeder	Tengah	Yes	
35	Columbidae	<i>Chalcophaps indica</i>	Common emerald dove	Least Concern	Least Concern	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
36	Columbidae	<i>Columba livia</i>	Rock dove	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	-	Yes	Also recorded on camera trap
37	Columbidae	<i>Ducula bicolor</i>	Pied imperial pigeon	Least Concern	Data Deficient	No	Uncommon	Introduced resident breeder	Tengah	Yes	
38	Columbidae	<i>Geopelia striata</i>	Zebra dove	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	Also recorded on camera trap
39	Columbidae	<i>Spilopelia chinensis</i>	Spotted dove	Least Concern	Least Concern	No	Abundant	Resident breeder	Tengah	Yes	Also recorded on camera trap
40	Columbidae	<i>Treron curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR	No	
41	Columbidae	<i>Treron vernans</i>	Pink-necked green pigeon	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	
42	Coraciidae	<i>Eurystomus orientalis</i>	Oriental dollarbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
43	Corvidae	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Tengah	Yes	
44	Corvidae	<i>Corvus splendens</i>	House crow	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Tengah	Yes	
45	Cuculidae	<i>Cacomantis merulinus</i>	Plaintive cuckoo	Least Concern	Least Concern	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	
46	Cuculidae	<i>Cacomantis sonnerati</i>	Banded bay cuckoo	Least Concern	Least Concern	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	
47	Cuculidae	<i>Centropus bengalensis</i>	Lesser coucal	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Birds

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2022)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (NSS, 2020; Singapore Birds Project, 2020)	Primary Native Status (NSS, 2020; Singapore Birds Project, 2020)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Lim, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
48	Cuculidae	<i>Centropus sinensis</i>	Greater coucal	Least Concern	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
49	Cuculidae	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR	No	
50	Cuculidae	<i>Eudynamis scolopacea</i>	Asian koel	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	
51	Cuculidae	<i>Phaenicophaeus sumatranus</i>	Chestnut-bellied malkoha	Near Threatened	Near Threatened	No	Uncommon	Resident breeder	BTNR	Yes	
52	Cuculidae	<i>Surniculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR	Yes	
53	Dicaeidae	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	Yes	Rare	Resident, breeding not proven	BTNR	No	
54	Dicaeidae	<i>Dicaeum cruentatum</i>	Scarlet-backed flowerpecker	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
55	Dicaeidae	<i>Dicaeum trigonostigma</i>	Orange-bellied flowerpecker	Least Concern	Near Threatened	No	Common	Resident breeder	BTNR	Yes	
56	Dicruridae	<i>Dicrurus paradiseus</i>	Greater racket-tailed drongo	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	Nesting observed; also recorded on camera trap
57	Heliornithidae	<i>Heliopais personatus</i>	Masked finfoot	Endangered	Endangered	Yes	Rare	Non-breeding visitor	-	No	
58	Hemiprocniidae	<i>Hemiprocne longipennis</i>	Grey-rumped treeswift	Least Concern	Near Threatened	No	Uncommon	Resident breeder	Tengah	Yes	
59	Hirundinidae	<i>Cecropis daurica</i>	Red-rumped swallow	Least Concern	Least Concern	No	Uncommon	Passage migrant	-	Yes	
60	Hirundinidae	<i>Hirundo rustica</i>	Barn swallow	Least Concern	Near Threatened	No	Abundant	Winter visitor	BTNR	Yes	
61	Hirundinidae	<i>Hirundo tahitica</i>	Pacific swallow	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
62	Laniidae	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Yes	Common	Winter visitor	Tengah	Yes	
63	Laniidae	<i>Lanius schach</i>	Long-tailed shrike	Least Concern	Least Concern	No	Uncommon	Resident breeder	-	Yes	
64	Leiothrichidae	<i>Garrulax leucolophus</i>	White-crested laughingthrush	Least Concern	Not Assessed	No	Common	Introduced resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
65	Leiothrichidae	<i>Pterorhinus chinensis</i>	Black-throated laughingthrush	Least Concern	Not Assessed	No	NA	Introduced	-	Yes	Also recorded on camera trap
66	Megalaimidae	<i>Psilopogon lineatus</i>	Lineated barbet	Least Concern	Not Assessed	No	Common	Introduced resident breeder	BTNR, Tengah	Yes	
67	Meropidae	<i>Merops philippinus</i>	Blue-tailed bee-eater	Least Concern	Least Concern	No	Common	Winter visitor	Tengah	Yes	
68	Meropidae	<i>Merops viridis</i>	Blue-throated bee-eater	Least Concern	Least Concern	No	Common	Migrant breeder	BTNR, Tengah	Yes	
69	Motacillidae	<i>Anthus rufulus</i>	Paddyfield pipit	Least Concern	Least Concern	No	Common	Resident breeder	-	Yes	
70	Muscicapidae	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident breeder	Tengah	No	
71	Muscicapidae	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Tengah	Yes	Also recorded on camera trap
72	Muscicapidae	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Least Concern	Vulnerable	Yes	Uncommon	Winter visitor	BTNR, Tengah	No	
73	Muscicapidae	<i>Ficedula zanthopygia</i>	Yellow-rumped flycatcher	Least Concern	Least Concern	No	Uncommon	Passage migrant	Tengah	Yes	
74	Muscicapidae	<i>Muscicapa dauurica</i>	Asian brown flycatcher	Least Concern	Least Concern	No	Common	Winter visitor	BTNR, Tengah	Yes	
75	Muscicapidae	<i>Muscicapa sibirica</i>	Dark-sided flycatcher	Least Concern	Near Threatened	No	Uncommon	Winter visitor	BTNR	Yes	
76	Nectariniidae	<i>Aethopyga siparaja</i>	Crimson sunbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
77	Nectariniidae	<i>Anthreptes malacensis</i>	Brown-throated sunbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
78	Nectariniidae	<i>Arachnothera longirostra</i>	Little spiderhunter	Least Concern	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
79	Nectariniidae	<i>Cinnyris jugularis</i>	Olive-backed sunbird	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	
80	Oriolidae	<i>Oriolus chinensis</i>	Black-naped oriole	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
81	Passeridae	<i>Passer montanus</i>	Eurasian tree sparrow	Least Concern	Least Concern	No	Common	Resident breeder	-	Yes	
82	Phasianidae	<i>Gallus gallus</i>	Red junglefowl	Least Concern	Near Threatened	No	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
83	Phylloscopidae	<i>Phylloscopus borealis</i>	Arctic warbler	Least Concern	Least Concern	No	Common	Winter visitor	BTNR, Tengah	Yes	Also recorded on camera trap
84	Phylloscopidae	<i>Phylloscopus coronatus</i>	Eastern crowned warbler	Least Concern	Least Concern	No	Common	Winter visitor	BTNR, Tengah	Yes	
85	Picidae	<i>Chrysophlegma miniaceum</i>	Banded woodpecker	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
86	Picidae	<i>Dinopium javanense</i>	Common flameback	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
87	Picidae	<i>Micropternus brachyurus</i>	Rufous woodpecker	Least Concern	Least Concern	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	
88	Picidae	<i>Picus vittatus</i>	Laced woodpecker	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	Also recorded on camera trap
89	Picidae	<i>Yungipicus moluccensis</i>	Sunda pygmy woodpecker	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	
90	Podicipedidae	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Yes	Rare	Resident breeder	-	No	
91	Psittaculidae	<i>Loriculus galgulus</i>	Blue-crowned hanging-parrot	Least Concern; CITES	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
92	Psittaculidae	<i>Psittacula alexandri</i>	Red-breasted parakeet	Near Threatened; CITES protected (Appendix II)	Not Assessed	No	Common	Introduced resident breeder	Tengah	Yes	Nesting observed
93	Psittaculidae	<i>Psittacula krameri</i>	Rose-ringed parakeet	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Tengah	Yes	
94	Psittaculidae	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Common	Resident breeder	BTNR, Tengah	Yes	
95	Psittaculidae	<i>Psittinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	Yes	Uncommon	Resident, breeding not proven	BTNR, Tengah	No	
96	Psittaculidae	<i>Trichoglossus haematodus</i>	Coconut lorikeet	Least Concern; CITES protected (Appendix II)	Not Assessed	No	Uncommon	Introduced resident breeder	Tengah	Yes	
97	Pycnonotidae	<i>Brachypodius melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Yes	Rare	Resident breeder	BTNR	No	
98	Pycnonotidae	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR, Tengah	No	
99	Pycnonotidae	<i>Pycnonotus goiavier</i>	Yellow-vented bulbul	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap



Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Birds

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2022)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (NSS, 2020; Singapore Birds Project, 2020)	Primary Native Status (NSS, 2020; Singapore Birds Project, 2020)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Lim, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
100	Pycnonotidae	<i>Pycnonotus jocosus</i>	Red-whiskered bulbul	Least Concern	Not Assessed	No	Uncommon	Introduced resident breeder	BTNR	Yes	
101	Pycnonotidae	<i>Pycnonotus plumosus</i>	Olive-winged bulbul	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
102	Pycnonotidae	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR, Tengah	Yes	
103	Pycnonotidae	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Uncommon	Resident breeder	BTNR, Tengah	Yes	
104	Rallidae	<i>Amaurornis phoenicurus</i>	White-breasted waterhen	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
105	Rallidae	<i>Lewinia striata</i>	Slaty-breasted rail	Least Concern	Least Concern	No	Uncommon	Resident breeder	-	Yes	Also recorded on camera trap
106	Rallidae	<i>Rallina fasciata</i>	Red-legged crane	Least Concern	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
107	Rhipiduridae	<i>Rhipidura javanica</i>	Malaysian pied fantail	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	Also recorded on camera trap
108	Strigidae	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Uncommon	Resident breeder	-	No	
109	Strigidae	<i>Otus lempiji</i>	Sunda scops owl	Least Concern; CITES protected (Appendix II)	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
110	Strigidae	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Uncommon	Resident breeder	-	No	
111	Sturnidae	<i>Acridotheres javanicus</i>	Javan myna	Vulnerable	Not Assessed	No	Abundant	Introduced resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
112	Sturnidae	<i>Acridotheres tristis</i>	Common myna	Least Concern	Least Concern	No	Common	Resident breeder	-	Yes	
113	Sturnidae	<i>Aplonis panayensis</i>	Asian glossy starling	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
114	Sturnidae	<i>Gracula religiosa</i>	Common hill myna	Least Concern; CITES protected (Appendix I)	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	
115	Timaliidae	<i>Mixornis gularis</i>	Pin-striped tit-babbler	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
116	Zosteropidae	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Common	Introduced resident breeder	BTNR, Tengah	Yes	

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Non-volant mammals

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/Abundance/Rarity (Baker & Lim, 2012)	Native Status (NParks, 2021)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Canidae	<i>Canis lupus familiaris</i>	Feral dog	Not Assessed	Not Assessed	No	Not Assessed	Non-native	Tengah	Yes	Recorded on camera trap
2	Cercopithecidae	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Widespread and Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
3	Cynocephalidae	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Restricted but Common	Native	BTNR	Yes	Also recorded on camera trap
4	Felidae	<i>Felis catus</i>	Feral cat	Not Assessed	Not Assessed	No	Not Assessed	Non-native	Tengah	Yes	Also recorded on camera trap
5	Felidae	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Yes	Restricted and Rare	Native	-	No	Previously recorded in D (O'Dempsey, pers comms)
6	Manidae	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Widespread but Rare	Native	BTNR, Tengah	No	Recorded on camera trap
7	Muridae	<i>Rattus norvegicus</i>	Brown rat	Least Concern	Not Assessed	No	Widespread and Common	Non-native	-	Yes	
8	Muridae	<i>Sundamys annandalei</i>	Annandale's rat	Least Concern	Not Assessed	No	Restricted but Common	Native	BTNR	Yes	Also recorded on camera trap
9	Mustelidae	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Yes	Widespread but Rare	Native	-	Yes	
10	Sciuridae	<i>Callosciurus notatus</i>	Plantain squirrel	Least Concern	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	Roadkill observed; also recorded on camera trap
12	Sciuridae	<i>Iomys horsfieldii</i>	Horsfield's flying squirrel	Least Concern	Endangered	Yes	Restricted and Rare	Native	BTNR	Yes	Previously recorded in B1 (West of Lorong Sesuai) (Chua et al., 2013)
13	Sciuridae	<i>Sundasciurus tenuis</i>	Slender squirrel	Least Concern	Least Concern	No	Restricted but Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
14	Suidae	<i>Sus scrofa</i>	Eurasian wild boar	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
15	Tupaiaidae	<i>Tupaia glis</i>	Common treeshrew	Least Concern	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
16	Viverridae	<i>Paradoxurus musangus</i>	Sumatran palm civet	Least Concern	Least Concern	No	Widespread but Uncommon	Native	BTNR, Tengah	Yes	Also recorded on camera trap
-	Sciuridae	Family Sciuridae	Unidentified flying squirrel	NA	NA	Yes	NA	NA	BTNR	Yes	

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Bats

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/Abundance/Rarity (Baker & Lim, 2012)	Native Status (NParks, 2021)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)
1	Emballonuridae	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Yes	Restricted and Rare	Native	BTNR	No
2	Emballonuridae	<i>Saccolaimus saccolaimus</i>	Pouch tomb bat	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes
3	Emballonuridae	<i>Taphozous melanopogon</i>	Black-bearded tomb bat	Least Concern	Least Concern	No	Widespread but Rare	Native	-	Yes
4	Hipposideridae	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Yes	Restricted and Rare	Native	BTNR	No
5	Molossidae	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Yes	Restricted and Rare	Native	BTNR	No
6	Pteropodidae	<i>Cynopterus brachyotis</i>	Lesser short-nosed fruit bat	Least Concern	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes
7	Pteropodidae	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	BTNR	Yes
8	Pteropodidae	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	Yes	Restricted and Rare	Native	BTNR	No
9	Pteropodidae	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Yes	NA	Visitor	BTNR	No
10	Rhinolophidae	<i>Rhinolophus refulgens</i>	Glossy horseshoe bat	Least Concern	Not Assessed	No	Restricted but Common	Native	BTNR	Yes
11	Vespertilionidae	<i>Myotis horsfieldii</i>	Horsfield's myotis	Least Concern	Least Concern	No	NA	Native	-	Yes
12	Vespertilionidae	<i>Myotis muricola</i>	Asian whiskered myotis	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes
13	Vespertilionidae	<i>Pipistrellus javanicus</i>	Javan pipistrelle	Least Concern	Not Assessed	No	Widespread but Uncommon	Native	-	Yes
14	Vespertilionidae	<i>Scotophilus kuhlii</i>	Lesser Asian house bat	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes
15	Vespertilionidae	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR	No
16	Vespertilionidae	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Yes	Widespread and Common	Native	BTNR	No
-	Vespertilionidae	<i>Tylonycteris sp.</i>	Unidentified bamboo bat	Least Concern	Vulnerable	Yes	NA	Native	BTNR, Tengah	Yes

## Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Spiders

No.	Family	Scientific Name	Global Status (IUCN/CITES)	National Status	Species of Interest (Yes/No)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Koh & Court, 2019)	Recorded Species (Yes/No)
1	Araneidae	<i>Argiope versicolor</i>	Not Assessed	Not Assessed	No	BTNR	Yes
2	Araneidae	<i>Cyrtarachne inaequalis</i>	Not Assessed	Not Assessed	No	-	Yes
3	Araneidae	<i>Eriovixia laglaizei</i>	Not Assessed	Not Assessed	No	BTNR	Yes
4	Araneidae	<i>Neogea nocticolor</i>	Not Assessed	Not Assessed	No	-	Yes
5	Araneidae	<i>Neoscona vigilans</i>	Not Assessed	Not Assessed	No	BTNR	Yes
6	Araneidae	<i>Parawixia dehaani</i>	Not Assessed	Not Assessed	No	BTNR	Yes
7	Araneidae	<i>Zygiella calyptrata</i>	Not Assessed	Not Assessed	No	-	Yes
8	Cheiracanthiidae	<i>Cheiracanthium</i> KS	Not Assessed	Not Assessed	No	-	Yes
9	Clubionidae	<i>Clubiona cf. meraukensis</i>	Not Assessed	Not Assessed	No	-	Yes
10	Clubionidae	<i>Nusatidia camouflata</i>	Not Assessed	Not Assessed	No	BTNR	Yes
11	Corinnidae	<i>Corinnomma javanum</i>	Not Assessed	Not Assessed	No	BTNR	Yes
12	Corinnidae	<i>Medmassa insignis</i>	Not Assessed	Not Assessed	No	-	Yes
13	Ctenidae	<i>Acanthis</i> YL	Not Assessed	Not Assessed	No	-	Yes
14	Hahniidae	<i>Alistra aff. stenura</i>	Not Assessed	Not Assessed	Yes	BTNR	Yes
15	Hersiliidae	<i>Hersilia lelabah</i>	Not Assessed	Not Assessed	No	BTNR	Yes
16	Hersiliidae	<i>Hersilia sumatrana</i>	Not Assessed	Not Assessed	No	-	Yes
17	Linyphiidae	<i>Batueta voluta</i>	Not Assessed	Not Assessed	No	-	Yes
18	Linyphiidae	<i>Nasootia crucifera</i>	Not Assessed	Not Assessed	No	-	Yes
19	Liocranidae	<i>Oedignatha CT</i>	Not Assessed	Not Assessed	No	-	Yes
20	Liocranidae	<i>Oedignatha scrobiculata</i>	Not Assessed	Not Assessed	No	BTNR	Yes
21	Liocranidae	<i>Sphingius vivax</i>	Not Assessed	Not Assessed	No	-	Yes
22	Lycosidae	<i>Pardosa pseudoannulata</i>	Not Assessed	Not Assessed	No	-	Yes
23	Lycosidae	<i>Pardosa sumatrana</i>	Not Assessed	Not Assessed	No	-	Yes
24	Lycosidae	<i>Trochosa ruficollis</i>	Not Assessed	Not Assessed	No	-	Yes
25	Lycosidae	<i>Venonia coruscans</i>	Not Assessed	Not Assessed	No	BTNR	Yes
26	Mysmenidae	<i>cf. Mysmena DH</i>	Not Assessed	Not Assessed	No	-	Yes
27	Oonopidae	<i>Ischnothyreus brunneus</i>	Not Assessed	Not Assessed	No	BTNR	Yes
28	Oonopidae	<i>Oorchestia SJ</i>	Not Assessed	Not Assessed	No	-	Yes
29	Oonopidae	<i>Prethopalpus schwendingeri</i>	Not Assessed	Not Assessed	No	BTNR	Yes
30	Oxyopidae	<i>Oxyopes auratus</i>	Not Assessed	Not Assessed	No	BTNR	Yes
31	Oxyopidae	<i>Oxyopes lineatipes</i>	Not Assessed	Not Assessed	No	-	Yes
32	Palpimanidae	<i>Boagrius cf. pumilus</i>	Not Assessed	Not Assessed	Yes	BTNR	Yes
33	Philodromidae	<i>Philodromus SW</i>	Not Assessed	Not Assessed	No	-	Yes
34	Pholcidae	<i>Belisana PH</i>	Not Assessed	Not Assessed	No	-	Yes
35	Pholcidae	<i>Belisana YT</i>	Not Assessed	Not Assessed	No	-	Yes
36	Pholcidae	<i>Uthina luzonica</i>	Not Assessed	Not Assessed	No	BTNR	Yes
37	Salticidae	<i>Bavia sexpunctata</i>	Not Assessed	Not Assessed	No	BTNR	Yes
38	Salticidae	<i>Epeus SS</i>	Not Assessed	Not Assessed	No	-	Yes
39	Salticidae	<i>Myrmarachne cornuta</i>	Not Assessed	Not Assessed	No	-	Yes
40	Salticidae	<i>Phintella bifurcilinea</i>	Not Assessed	Not Assessed	No	-	Yes
41	Salticidae	<i>Phintella debilis</i>	Not Assessed	Not Assessed	No	BTNR	Yes
42	Salticidae	<i>Portia labiata</i>	Not Assessed	Not Assessed	Yes	BTNR	Yes
43	Salticidae	<i>Ptocasius weyersi</i>	Not Assessed	Not Assessed	No	BTNR	Yes
44	Salticidae	<i>Thorelliola ensifera</i>	Not Assessed	Not Assessed	No	BTNR	Yes
45	Salticidae	<i>Viciria pavesii</i>	Not Assessed	Not Assessed	No	-	Yes
46	Scytodidae	<i>Dictis CS</i>	Not Assessed	Not Assessed	No	-	Yes
47	Sparassidae	<i>Heteropoda tetrica</i>	Not Assessed	Not Assessed	No	BTNR	Yes
48	Sparassidae	<i>Olios CY</i>	Not Assessed	Not Assessed	No	-	Yes
49	Sparassidae	<i>Pandercetes sp.</i>	Not Assessed	Not Assessed	No	-	Yes
50	Telemidae	<i>Telemofila fabata</i>	Not Assessed	Not Assessed	No	BTNR	Yes
51	Tetragnathidae	<i>Leucauge argentina</i>	Not Assessed	Not Assessed	No	BTNR	Yes
52	Tetragnathidae	<i>Tetragnatha chauliodus</i>	Not Assessed	Not Assessed	No	-	Yes
53	Tetragnathidae	<i>Tetragnatha mandibulata</i>	Not Assessed	Not Assessed	No	-	Yes
54	Tetragnathidae	<i>Tylorida ventralis</i>	Not Assessed	Not Assessed	No	BTNR	Yes
55	Theraphosidae	<i>Phlogiellus sp.</i>	Not Assessed	Not Assessed	No	-	Yes
56	Theridiidae	<i>Carniella SL</i>	Not Assessed	Not Assessed	Yes	-	Yes
57	Theridiidae	<i>cf. Thymoites TH</i>	Not Assessed	Not Assessed	Yes	-	Yes
58	Theridiidae	<i>Chryso TT</i>	Not Assessed	Not Assessed	No	BTNR	Yes
59	Theridiidae	<i>Coleosoma blandum</i>	Not Assessed	Not Assessed	No	-	Yes
60	Theridiidae	<i>Meotipa SF</i>	Not Assessed	Not Assessed	No	BTNR	Yes
61	Theridiidae	<i>Meotipa vesiculosa</i>	Not Assessed	Not Assessed	No	-	Yes
62	Theridiidae	<i>Nihonhimea mundula</i>	Not Assessed	Not Assessed	No	BTNR	Yes
63	Theridiidae	<i>Parasteatoda BS</i>	Not Assessed	Not Assessed	No	-	Yes
64	Theridiidae	<i>Phycosoma hana</i>	Not Assessed	Not Assessed	No	BTNR	Yes
65	Theridiidae	<i>Rhomphaea sinica</i>	Not Assessed	Not Assessed	No	BTNR	Yes
66	Theridiidae	<i>Theridion PP</i>	Not Assessed	Not Assessed	No	-	Yes
67	Theridiidae	<i>Theridion t-notatum</i>	Not Assessed	Not Assessed	No	BTNR	Yes
68	Theridiidae	<i>Yaginumena maculosa</i>	Not Assessed	Not Assessed	No	-	Yes
69	Theridiosomatidae	<i>Theridiosoma fasciatum</i>	Not Assessed	Not Assessed	No	BTNR	Yes
70	Theridiosomatidae	<i>Zoma YY</i>	Not Assessed	Not Assessed	No	-	Yes
71	Thomisidae	<i>Camarius maugei</i>	Not Assessed	Not Assessed	No	-	Yes
72	Thomisidae	<i>Henriksenia hilaris</i>	Not Assessed	Not Assessed	No	-	Yes
73	Thomisidae	<i>Monaeses CF</i>	Not Assessed	Not Assessed	No	-	Yes

Appendix 5 - List of Probable Fauna Species at BBTP (Area D) - Spiders

No.	Family	Scientific Name	Global Status (IUCN/CITES)	National Status	Species of Interest (Yes/No)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Koh & Court, 2019)	Recorded Species (Yes/No)
74	Thomisidae	<i>Oxytate virens</i>	Not Assessed	Not Assessed	No	BTNR	Yes
75	Thomisidae	<i>Philodamia hilaris</i>	Not Assessed	Not Assessed	No	-	Yes
76	Thomisidae	<i>Strigoplus albostratus</i>	Not Assessed	Not Assessed	No	-	Yes
77	Thomisidae	<i>Thomisus guangxicus</i>	Not Assessed	Not Assessed	No	-	Yes
78	Uloboridae	<i>Miagrammopes oblongus</i>	Not Assessed	Not Assessed	No	BTNR	Yes
79	Zodariidae	<i>Asceua VB</i>	Not Assessed	Not Assessed	No	-	Yes
80	Zodariidae	<i>Asceua YB</i>	Not Assessed	Not Assessed	No	-	Yes
81	Zodariidae	<i>Cryptothele sundaica</i>	Not Assessed	Not Assessed	No	BTNR	Yes
82	Zodariidae	<i>Mallinella annulipes</i>	Not Assessed	Not Assessed	No	BTNR	Yes
83	Zodariidae	<i>Tropizodium US</i>	Not Assessed	Not Assessed	No	-	Yes

**APPENDIX 6**  
**LIST OF PROBABLE FAUNAL SPECIES OF CONSERVATION SIGNIFICANCE**  
**AND RECORDED FAUNAL SPECIES AT BBHNP (AREA E)**

Faunal group	Total no. of recorded species		No. of probable CS species
	All species	CS species	
Aculeate hymenopterans	31	0	12
Bees	20	0	12
Stinging wasps	11	0	0
Odonates	12	0	4
Dragonflies	11	0	2
Damselflies	1	0	2
Butterflies	27	0	29
Freshwater decapod crustaceans	0	0	0
Freshwater fish	3	0	0
Freshwater molluscs	0	0	0
Herpetofauna	16	0	6
Amphibians	8	0	0
Reptiles	8	0	6
Birds	52	4	15
Mammals	13	2	7
Non-volant Mammals	9	1	3
Bats	4	1	4
Spiders	54	0	0
<b>Total</b>	<b>208</b>	<b>6</b>	<b>73</b>

Faunal group	No. of recorded species (all species)			No. of recorded species (CS species)		
	Total	E	% of total	Total	E	% of total
Aculeate hymenopterans	84	31	36.9	1	0	0.0
Bees	36	20	55.6	1	0	0.0
Stinging wasps	48	11	22.9	0	0	0.0
Odonates	40	13	32.5	2	0	0.0
Dragonflies	33	12	36.4	0	0	0.0
Damselflies	7	1	14.3	2	0	0.0
Butterflies	111	27	24.3	5	0	0.0
Freshwater decapod crustaceans	8	0	0.0	2	0	0.0
Freshwater fish	25	4	16.0	0	0	0.0
Freshwater molluscs	7	0	0.0	0	0	0.0
Herpetofauna	44	16	36.4	3	0	0.0
Amphibians	15	8	53.3	1	0	0.0
Reptiles	29	8	27.6	2	0	0.0
Birds	120	52	43.3	15	3	20.0
Mammals	27	14	51.9	7	2	28.6
Non-volant Mammals	17	10	58.8	5	1	20.0
Bats	10	4	40.0	2	1	50.0
Spiders	201	54	26.9	0	0	0.0
<b>Total</b>	<b>667</b>	<b>211</b>	<b>31.6</b>	<b>34</b>	<b>5</b>	<b>14.7</b>



Faunal Group	All Study Areas				E			
	Total	Native	Non-native	NA	Total	Native	Non-native	NA
Aculeate hymenopterans	84	79	3	2	31	29	2	0
Bees	36	33	3	0	20	18	2	0
Stinging wasps	48	46	0	2	11	11	0	0
Odonates	40	40	0	0	13	13	0	0
Dragonflies	33	33	0	0	12	12	0	0
Damselflies	7	7	0	0	1	1	0	0
Butterflies	111	104	4	3	27	26	1	0
Freshwater decapod crustaceans	8	3	2	3	0	0	0	0
Freshwater fish	25	5	17	2	4	2	2	0
Freshwater molluscs	7	1	2	4	0	0	0	0
Herpetofauna	44	33	10	1	16	11	5	0
Amphibians	15	9	6	0	8	4	4	0
Reptiles	29	24	4	1	8	7	1	0
Birds	120	103	16	1	52	43	8	1
Mammals	27	24	3	0	14	12	2	0
Non-volant Mammals	17	14	3	0	10	8	2	0
Bats	10	10	0	0	4	4	0	0
Spiders	201	0	0	201	54	0	0	54
<b>Total</b>	<b>667</b>	<b>392</b>	<b>57</b>	<b>217</b>	<b>211</b>	<b>136</b>	<b>20</b>	<b>55</b>

Appendix 6 - List of Probable Faunal Species at E

No.	Type	Family name	Scientific name	Common name	Global status (IUCN, 2012)	National status (Ascher et al., 2022; Lee, pers comm)	Species of conservation significance	Native status (The Biodiversity of Singapore, 2021; Lee, pers comm)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Ascher et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Bee	Apidae	<i>Amegilla andrewsi</i>	Andrew's blue-banded digger bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
2	Bee	Apidae	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
3	Bee	Apidae	<i>Apis andreniformis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	Nesting observed
4	Bee	Apidae	<i>Apis cerana</i>	Eastern honey bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	Nesting observed
5	Bee	Apidae	<i>Apis dorsata</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
6	Bee	Apidae	<i>Apis florea</i>	NA	Not Assessed	Not Assessed	No	Non-native	Tengah	Yes	
7	Bee	Apidae	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
8	Bee	Apidae	<i>Ceratina lieftincki</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
9	Bee	Apidae	<i>Ceratina nigrolateralis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
10	Bee	Apidae	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
11	Bee	Apidae	<i>Ceratina unimaculata</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
12	Bee	Apidae	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
13	Bee	Apidae	<i>Thyreus iliacinus</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
14	Bee	Apidae	<i>Thyreus himalayensis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
15	Bee	Apidae	<i>Xylocopa aestuans</i>	White-cheeked carpenter bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
16	Bee	Apidae	<i>Xylocopa flavonigrescens</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
17	Bee	Apidae	<i>Xylocopa latipes</i>	Broad-handed carpenter bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
18	Bee	Colletidae	<i>Hylaeus penangensis</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
19	Bee	Halictidae	<i>Lasioglossum semirussum</i>	NA	Not Assessed	Critically Endangered	Yes	Native	BTNR	No	
20	Bee	Halictidae	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
21	Bee	Halictidae	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Yes	Native	BTNR	No	
22	Bee	Halictidae	<i>Nomia sp. aff. apicalis</i>	NA	Not Assessed	Near Threatened	No	Native	-	Yes	
23	Bee	Halictidae	<i>Nomia strigata</i>	Pearly-banded bee	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
24	Bee	Halictidae	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Yes	Native	BTNR	No	
25	Bee	Megachilidae	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
26	Bee	Megachilidae	<i>Euasps polynesia</i>	NA	Not Assessed	Least Concern	No	Native	BTNR	Yes	
27	Bee	Megachilidae	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
28	Bee	Megachilidae	<i>Megachile laticeps</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
29	Bee	Megachilidae	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
30	Bee	Megachilidae	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Yes	Native	BTNR	No	
31	Bee	Megachilidae	<i>Megachile subrixator</i>	NA	Not Assessed	Least Concern	No	Native	BTNR, Tengah	Yes	
32	Bee	Megachilidae	<i>Megachile umbripennis</i>	NA	Not Assessed	Least Concern	No	Non-native	-	Yes	
33	Wasp	Crabronidae	<i>Liris subtessellatus</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
34	Wasp	Pompilidae	<i>Auplopus sp.</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
35	Wasp	Vespidae	<i>Delta pyriforme</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
36	Wasp	Vespidae	<i>Liostenogaster nitidipennis</i>	NA	Not Assessed	Near Threatened	No	Native	-	Yes	Nesting observed
37	Wasp	Vespidae	<i>Parischnogaster mellyi</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	Nesting observed
38	Wasp	Vespidae	<i>Parischnogaster nigricans</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
39	Wasp	Vespidae	<i>Ropalidia stigma</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
40	Wasp	Vespidae	<i>Ropalidia sumatrae</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	Nesting observed
41	Wasp	Vespidae	<i>Stenodyneriellus guttulatus</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	
42	Wasp	Vespidae	<i>Vespa affinis</i>	Lesser banded hornet	Not Assessed	Least Concern	No	Native	Tengah	Yes	
43	Wasp	Vespidae	<i>Vespa analis</i>	NA	Not Assessed	Least Concern	No	Native	Tengah	Yes	Nesting observed

Appendix 6 - List of Probable Faunal Species at E

No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Ngiam & Ng, 2022)	Species of Conservation Significance (Yes/No)	Distribution/Rarity (Ngiam & Ng, 2022)	Native status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Cai et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Damselfly	Coenagrionidae	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Yes	Restricted and Very Rare	Native	BTNR	No	
2	Damselfly	Coenagrionidae	<i>Ceriagrion cerinorubellum</i>	Ornate coraltail	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
3	Damselfly	Platycnemididae	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	-	No	
4	Dragonfly	Aeshnidae	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	-	No	
5	Dragonfly	Aeshnidae	<i>Gynacantha subinterrupta</i>	Dingy duskhawker	Least Concern	Least Concern	No	Widespread but Uncommon	Native	Tengah	Yes	
6	Dragonfly	Libellulidae	<i>Agrionoptera insignis</i>	Grenadier	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
7	Dragonfly	Libellulidae	<i>Brachydiplax chalybea</i>	Blue dasher	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
8	Dragonfly	Libellulidae	<i>Chalybiothemis fluvialilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Yes	Restricted and Uncommon	Native	-	No	
9	Dragonfly	Libellulidae	<i>Crocothemis servilia</i>	Common scarlet	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
10	Dragonfly	Libellulidae	<i>Neurothemis fluctuans</i>	Common parasol	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
11	Dragonfly	Libellulidae	<i>Orthetrum chrysis</i>	Spine-tufted skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Ovipositing observed
12	Dragonfly	Libellulidae	<i>Orthetrum glaucum</i>	Common blue skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Mating and ovipositing observed
13	Dragonfly	Libellulidae	<i>Orthetrum sabina</i>	Variiegated green skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
14	Dragonfly	Libellulidae	<i>Orthetrum testaceum</i>	Scarlet skimmer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
15	Dragonfly	Libellulidae	<i>Pantala flavescens</i>	Wandering glider	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
16	Dragonfly	Libellulidae	<i>Rhythemis phyllis</i>	Yellow-barred flutterer	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
17	Dragonfly	Libellulidae	<i>Tyriobapta torrida</i>	Treehugger	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	

Appendix 6 - List of Probable Faunal Species at E

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008; Jain et al, 2018)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance /Rarity (Khew, 2015)	Native status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Khew & Tan, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Hesperiidae	<i>Actiopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	
2	Hesperiidae	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Yes	Moderately common	Resident	Tengah	No	
3	Hesperiidae	<i>Caltoris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	
4	Hesperiidae	<i>Gangara lebadea lebadea</i>	Banded redaye	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Very rare	Resident	-	No	
5	Hesperiidae	<i>Iambrix salsala salsala</i>	Chestnut bob	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
6	Hesperiidae	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Yes	Moderately common	Resident	-	No	
7	Hesperiidae	<i>Pelopidas mathias mathias</i>	Small branded swift	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
8	Hesperiidae	<i>Potanthus omaha omaha</i>	Lesser dart	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
9	Hesperiidae	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	
10	Hesperiidae	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Yes	Rare	Resident	-	No	
11	Hesperiidae	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Yes	Moderately rare	Resident	BTNR	No	
12	Hesperiidae	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Resident	-	No	
13	Hesperiidae	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Yes	Very rare	Resident	-	No	
14	Lycaenidae	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Yes	Very rare	Resident	-	No	
15	Lycaenidae	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Resident	-	No	
16	Lycaenidae	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Yes	Rare	Resident	-	No	
17	Lycaenidae	<i>Arhopala eumolophus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	BTNR	No	
18	Lycaenidae	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Rare	Resident	BTNR	No	
19	Lycaenidae	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Yes	Moderately rare	Resident	-	No	
20	Lycaenidae	<i>Eoxylydes tharis distanti</i>	Branded imperial	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	Overpositing observed
21	Lycaenidae	<i>Euchrysops cnejus cnejus</i>	Gram blue	Not Assessed	Not Assessed	No	Moderately common	Resident	Tengah	Yes	
22	Lycaenidae	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	
23	Lycaenidae	<i>Jamides celeno aelianus</i>	Common caerulean	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
24	Lycaenidae	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Yes	Rare	Resident	-	No	
25	Lycaenidae	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately common	Resident	BTNR	No	
26	Lycaenidae	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	-	No	
27	Lycaenidae	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Moderately rare	Resident	Tengah	No	
28	Lycaenidae	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Yes	Very rare	Resident	BTNR	No	
29	Lycaenidae	<i>Zizina otis lampa</i>	Lesser grass blue	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	
30	Lycaenidae	<i>Zizula hylax pygmaea</i>	Pygmy grass blue	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
31	Nymphalidae	<i>Acraea terpsicore</i>	Tawny coster	Not Assessed	Not Assessed	No	Common	Non-native	Tengah	Yes	
32	Nymphalidae	<i>Amathusia phidippus phidippus</i>	Palm king	Not Assessed	Not Assessed	No	Moderately rare	Resident	Tengah	Yes	
33	Nymphalidae	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Yes	Very rare	Resident	-	No	
34	Nymphalidae	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Yes	Rare	Resident	-	No	
35	Nymphalidae	<i>Elymnias hypermnestra agina</i>	Common palmfly	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
36	Nymphalidae	<i>Euthalia monina monina</i>	Malay baron	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	Caterpillars observed
37	Nymphalidae	<i>Junonia almana javana</i>	Peacock pansy	Least Concern	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
38	Nymphalidae	<i>Junonia hedonia ida</i>	Chocolate pansy	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
39	Nymphalidae	<i>Lasippa tiga siaka</i>	Malayan lascar	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	Mating observed
40	Nymphalidae	<i>Lethe europa malaya</i>	Bamboo tree brown	Not Assessed	Not Assessed	No	Moderately rare	Resident	-	Yes	
41	Nymphalidae	<i>Mycalesis perseoides perseoides</i>	Burmese bush brown	Not Assessed	Data Deficient	No	Common	Resident	Tengah	Yes	
42	Nymphalidae	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Rare	Resident	BTNR	No	
43	Nymphalidae	<i>Phalanta phalantha phalantha</i>	Leopard	Not Assessed	Not Assessed	No	Common	Resident	-	Yes	Overpositing observed
44	Nymphalidae	<i>Tanaecia iapis puseda</i>	Horsfield's baron	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	Overpositing observed
45	Nymphalidae	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Yes	Very rare	Vagrant	-	No	
46	Papilionidae	<i>Graphium sarpedon luctatus</i>	Common bluebottle	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
47	Papilionidae	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Yes	Moderately common	Resident	-	No	
48	Papilionidae	<i>Papilio demoleus malayanus</i>	Lime butterfly	Not Assessed	Not Assessed	No	Common	Resident	BTNR	Yes	
49	Papilionidae	<i>Papilio polytes romulus</i>	Common mormon	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
50	Papilionidae	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Yes	Rare	Resident	BTNR	No	
51	Papilionidae	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES	Vulnerable	Yes	Moderately common	Resident	BTNR	No	
52	Pieridae	<i>Appias libythea olferna</i>	Striped albatross	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
53	Pieridae	<i>Catopsilia pomona pomona</i>	Lemon emigrant	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
54	Pieridae	<i>Delias hyparete metarete</i>	Painted jezebel	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	
55	Pieridae	<i>Eurema hecabe contubernalis</i>	Common grass yellow	Not Assessed	Not Assessed	No	Common	Resident	BTNR, Tengah	Yes	Mating observed
56	Riodinidae	<i>Abisara savitri savitri</i>	Malay tailed judy	Not Assessed	Not Assessed	No	Moderately rare	Resident	BTNR, Tengah	Yes	

Appendix 6 - List of Probable Faunal Species at E

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (Davison et al., 2008)	Species of Conservation Significance (Yes/No)	Native Status	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Li et al., 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)
1	Osphronemidae	<i>Betta splendens</i>	Siamese fighting-fish	Vulnerable	Not Assessed	No	Non-native	-	Yes
2	Poeciliidae	<i>Poecilia reticulata</i>	Guppy	Least Concern	Not Assessed	No	Non-native	BTNR, Tengah	Yes
3	Synbranchidae	<i>Monopterus albus</i>	Asian swamp eel	Least Concern	Not Assessed	No	Native	BTNR, Tengah	Yes

Appendix 6 - List of Probable Faunal Species at E

No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (Baker & Lim, 2012)	Native Status (Baker & Lim, 2012)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Frog	Dicoglossidae	<i>Limnonectes blythii</i>	Malayan giant frog	Near Threatened	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Frogspawn and tadpoles observed
2	Frog	Dicoglossidae	<i>Limnonectes malesianus</i>	Malesian frog	Near Threatened	Near Threatened	No	Restricted but Common	Native	BTNR	Yes	
3	Frog	Ranidae	<i>Lithobates catesbeianus</i>	American bullfrog	Least Concern	Not Assessed	No	Widespread and Common	Non-native	Tengah	Yes	
4	Frog	Ranidae	<i>Sylvirana guentheri</i>	Guenther's frog	Least Concern	Not Assessed	No	Widespread but Uncommon	Non-native	Tengah	Yes	Tadpoles observed
5	Frog	Microhylidae	<i>Microhyla heymonsi</i>	Dark-sided chorus frog	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Tadpoles observed
6	Frog	Microhylidae	<i>Microhyla mukhesuri</i>	East Asian ornate chorus frog	Least Concern	Not Assessed	No	Restricted and Rare	Non-native	BTNR	Yes	
7	Frog	Rhacophoridae	<i>Polypedates leucomystax</i>	Four-lined tree frog	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Tadpoles observed
8	Toad	Bufonidae	<i>Duttaphrynus bengalensis</i>	Indian toad	Least Concern	Not Assessed	No	Widespread and Common	Non-native	BTNR, Tengah	Yes	Tadpoles observed

Appendix 6 - List of Probable Faunal Species at E

No.	Type	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (Baker & Lim, 2012)	Native Status (Baker & Lim, 2012)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Non-marine lizard	Agamidae	<i>Calotes versicolor</i>	Changeable lizard	Not Assessed	Not Assessed	No	Widespread and Common	Non-native	BTNR, Tengah	Yes	
2	Non-marine lizard	Gekkonidae	<i>Gehyra mutilata</i>	Four-clawed gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	BTNR	Yes	
3	Non-marine lizard	Gekkonidae	<i>Gekko monarchus</i>	Spotted house gecko	Not Assessed	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	
4	Non-marine lizard	Gekkonidae	<i>Hemidactylus frenatus</i>	Spiny-tailed house gecko	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
5	Non-marine lizard	Scincidae	<i>Eutropis multifasciata</i>	Many-lined sun skink	Not Assessed	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
6	Non-marine snake	Colubridae	<i>Ahaetulla prasina</i>	Oriental whip snake	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
7	Non-marine snake	Colubridae	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR, Tengah	No	
8	Non-marine snake	Colubridae	<i>Dendrelaphis pictus</i>	Painted bronzeback	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	
9	Non-marine snake	Colubridae	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR, Tengah	No	
10	Non-marine snake	Colubridae	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Yes	Restricted and Rare	Native	BTNR, Tengah	No	Previously recorded in B1 (West of Lorong Sesuai) (Law et al., 2022)
11	Non-marine snake	Colubridae	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR, Tengah	No	
12	Non-marine snake	Colubridae	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	BTNR	No	
13	Non-marine snake	Pythonidae	<i>Malayopython reticulatus</i>	Reticulated python	Least Concern; CITE	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	
14	Non-marine turtle	Geomydidae	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES p	Near Threatened	Yes	Restricted but Common	Native	Tengah	No	

Appendix 6 - List of Probable Faunal Species at E

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2022)	Species of Conservation Significance (Yes/No)	Distribution/ Abundance/ Rarity (NSS, 2020; Singapore Birds Project, 2020)	Primary Native Status (NSS, 2020; Singapore Birds Project, 2020)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Lim, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Accipitridae	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES	Vulnerable	Yes	Common	Resident breeder	BTNR, Tengah	No	Also recorded on camera trap
2	Accipitridae	<i>Pernis ptilorhynchus</i>	Crested honey-buzzard	Least Concern; CITES	Least Concern	No	Common	Passage migrant	-	Yes	
3	Accipitridae	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES	Critically Endangered	Yes	Rare	Resident, breeding not proven	BTNR, Tengah	No	
4	Aegithinidae	<i>Aegithina tiphia</i>	Common iora	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	
5	Alcedinidae	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Yes	Uncommon	Resident breeder	BTNR, Tengah	No	
6	Alcedinidae	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Yes	Uncommon	Resident breeder	-	No	
7	Alcedinidae	<i>Halcyon smyrnensis</i>	White-throated kingfisher	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	Also recorded on camera trap
8	Alcedinidae	<i>Todiramphus chloris</i>	Collared kingfisher	Least Concern	Least Concern	No	Abundant	Resident breeder	Tengah	Yes	
9	Apodidae	<i>Aerodramus sp.</i>	Unidentified swiftlet	NA	NA	NA	NA	NA	-	Yes	
10	Apodidae	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR, Tengah	No	
11	Ardeidae	<i>Ardea cinerea</i>	Grey heron	Least Concern	Least Concern	No	Common	Resident breeder	-	Yes	
12	Ardeidae	<i>Butorides striata</i>	Striated heron	Least Concern	Near Threatened	No	Common	Resident breeder	-	Yes	
13	Ardeidae	<i>Egretta garzetta</i>	Little egret	Least Concern	Least Concern	No	Common	Non-breeding visitor	-	Yes	
14	Campophagidae	<i>Pericrocotus divaricatus</i>	Ashy minivet	Least Concern	Least Concern	No	Common	Winter visitor	Tengah	Yes	
15	Cisticolidae	<i>Orthotomus atrogularis</i>	Dark-necked tailorbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
16	Cisticolidae	<i>Orthotomus sutorius</i>	Common tailorbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
17	Columbidae	<i>Chalcophaps indica</i>	Common emerald dove	Least Concern	Least Concern	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
18	Columbidae	<i>Columba livia</i>	Rock dove	Least Concern	Not Assessed	No	Abundant	Introduced resident breeder	-	Yes	Also recorded on camera trap
19	Columbidae	<i>Ducula bicolor</i>	Pied imperial pigeon	Least Concern	Data Deficient	No	Uncommon	Introduced resident breeder	Tengah	Yes	
20	Columbidae	<i>Geopelia striata</i>	Zebra dove	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	Also recorded on camera trap
21	Columbidae	<i>Spilopelia chinensis</i>	Spotted dove	Least Concern	Least Concern	No	Abundant	Resident breeder	Tengah	Yes	Also recorded on camera trap
22	Columbidae	<i>Treron vernans</i>	Pink-necked green pigeon	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	
23	Coraciidae	<i>Eurystomus orientalis</i>	Oriental dollarbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
24	Corvidae	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Tengah	No	
25	Corvidae	<i>Corvus splendens</i>	House crow	Least Concern	Not Assessed	No	Common	Introduced resident breeder	Tengah	Yes	
26	Cuculidae	<i>Chrysococcyx xanthonhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	BTNR	No	
27	Cuculidae	<i>Eudynamis scolopacea</i>	Asian koel	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	
28	Dicaeidae	<i>Dicaeum cruentatum</i>	Scarlet-backed flowerpecker	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
29	Dicaeidae	<i>Dicaeum trigonostigma</i>	Orange-bellied flowerpecker	Least Concern	Near Threatened	No	Common	Resident breeder	BTNR	Yes	
30	Dicruridae	<i>Dicrurus paradiseus</i>	Greater racket-tailed drongo	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	Nesting observed; also recorded on camera trap
31	Hirundinidae	<i>Hirundo tahitica</i>	Pacific swallow	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
32	Laniidae	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Yes	Common	Winter visitor	Tengah	Yes	
33	Leithruchidae	<i>Garrulax leucolophus</i>	White-crested laughingthrush	Least Concern	Not Assessed	No	Common	Introduced resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
34	Megalaimidae	<i>Psilopogon lineatus</i>	Lineated barbet	Least Concern	Not Assessed	No	Common	Introduced resident breeder	BTNR, Tengah	Yes	
35	Meropidae	<i>Merops viridis</i>	Blue-throated bee-eater	Least Concern	Least Concern	No	Common	Migrant breeder	BTNR, Tengah	Yes	
36	Muscicapidae	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Uncommon	Resident breeder	Tengah	No	Also recorded on camera trap
37	Muscicapidae	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Yes	Uncommon	Winter visitor	BTNR, Tengah	No	
38	Muscicapidae	<i>Muscicapa dauurica</i>	Asian brown flycatcher	Least Concern	Least Concern	No	Common	Winter visitor	BTNR, Tengah	Yes	
39	Nectariniidae	<i>Aethopyga siparaja</i>	Crimson sunbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
40	Nectariniidae	<i>Anthreptes malacensis</i>	Brown-throated sunbird	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
41	Nectariniidae	<i>Cinnyris jugularis</i>	Olive-backed sunbird	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	
42	Oriolidae	<i>Oriolus chinensis</i>	Black-naped oriole	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
43	Phasianidae	<i>Gallus gallus</i>	Red junglefowl	Least Concern	Near Threatened	No	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
44	Phylloscopidae	<i>Phylloscopus borealis</i>	Arctic warbler	Least Concern	Least Concern	No	Common	Winter visitor	BTNR, Tengah	Yes	Also recorded on camera trap
45	Picidae	<i>Chrysophlegma miniaceum</i>	Banded woodpecker	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
46	Picidae	<i>Dinopium javanense</i>	Common flameback	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
47	Picidae	<i>Picus vittatus</i>	Laced woodpecker	Least Concern	Least Concern	No	Common	Resident breeder	Tengah	Yes	Also recorded on camera trap
48	Psittaculidae	<i>Loriculus galgulus</i>	Blue-crowned hanging-parrot	Least Concern; CITES	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	
49	Psittaculidae	<i>Psittacula alexandri</i>	Red-breasted parakeet	Near Threatened; CITE	Not Assessed	No	Common	Introduced resident breeder	Tengah	Yes	Nesting observed
50	Psittaculidae	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES prot	Near Threatened	Yes	Common	Resident breeder	BTNR, Tengah	Yes	
51	Pycnonotidae	<i>Pycnonotus goiavier</i>	Yellow-vented bulbul	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
52	Pycnonotidae	<i>Pycnonotus plumosus</i>	Olive-winged bulbul	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
53	Pycnonotidae	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered;	Endangered	Yes	Uncommon	Resident breeder	BTNR, Tengah	Yes	
54	Rallidae	<i>Amaurornis phoenicurus</i>	White-breasted waterhen	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
55	Rallidae	<i>Lewinia striata</i>	Slaty-breasted rail	Least Concern	Least Concern	No	Uncommon	Resident breeder	-	Yes	Also recorded on camera trap
56	Rallidae	<i>Rallina fasciata</i>	Red-legged crane	Least Concern	Near Threatened	No	Uncommon	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
57	Strigidae	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES	Vulnerable	Yes	Uncommon	Resident breeder	-	No	
58	Strigidae	<i>Otus lempiji</i>	Sunda scops owl	Least Concern; CITES	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
59	Strigidae	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES	Vulnerable	Yes	Uncommon	Resident breeder	-	No	
60	Sturnidae	<i>Acridotheres javanicus</i>	Javan myna	Vulnerable	Not Assessed	No	Abundant	Introduced resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
61	Sturnidae	<i>Aplonis panayensis</i>	Asian glossy starling	Least Concern	Least Concern	No	Abundant	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
62	Timaliidae	<i>Mixornis gularis</i>	Pin-striped tit-babbler	Least Concern	Least Concern	No	Common	Resident breeder	BTNR, Tengah	Yes	Also recorded on camera trap
63	Zosteropidae	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Common	Introduced resident breeder	BTNR, Tengah	Yes	



Appendix 6 - List of Probable Faunal Species at E

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/Abundance/Rarity (Baker & Lim, 2012)	Native Status (NParks, 2021)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)	Remarks
1	Canidae	<i>Canis lupus familiaris</i>	Feral dog	Not Assessed	Not Assessed	No	Not Assessed	Non-native	Tengah	Yes	Recorded on camera trap
2	Cercopithecidae	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected	Least Concern	Yes	Widespread and Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
3	Felidae	<i>Felis catus</i>	Feral cat	Not Assessed	Not Assessed	No	Not Assessed	Non-native	Tengah	Yes	Also recorded on camera trap
4	Felidae	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected	Critically Endangered	Yes	Restricted and Rare	Native	-	No	Previously recorded in D (O'Dempsey, pers comms)
5	Manidae	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected	Critically Endangered	Yes	Widespread but Rare	Native	BTNR, Tengah	No	Recorded on camera trap
6	Muridae	<i>Rattus tiomanicus</i>	Malaysian wood rat	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
7	Sciuridae	<i>Callosciurus notatus</i>	Plantain squirrel	Least Concern	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	Roadkill observed; also recorded on camera trap
8	Sciuridae	<i>Sundasciurus tenuis</i>	Slender squirrel	Least Concern	Least Concern	No	Restricted but Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
9	Suidae	<i>Sus scrofa</i>	Eurasian wild boar	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
10	Tupaiaidae	<i>Tupaia glis</i>	Common treeshrew	Least Concern	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes	Also recorded on camera trap
11	Viverridae	<i>Paradoxurus musangus</i>	Sumatran palm civet	Least Concern	Least Concern	No	Widespread but Uncommon	Native	BTNR, Tengah	Yes	Also recorded on camera trap

Appendix 6 - List of Probable Faunal Species at E

No.	Family	Scientific Name	Common Name	Global Status (IUCN/CITES)	National Status (NParks, 2021)	Species of Conservation Significance (Yes/No)	Distribution/Abundance/Rarity (Baker & Lim, 2012)	Native Status (NParks, 2021)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Teo & Thomas, 2019; Housing Development Board, 2021)	Recorded Species (Yes/No)
1	Emballonuridae	<i>Saccolaimus saccolaimus</i>	Pouch tomb bat	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes
2	Pteropodidae	<i>Cynopterus brachyotis</i>	Lesser short-nosed fruit bat	Least Concern	Not Assessed	No	Widespread and Common	Native	BTNR, Tengah	Yes
3	Pteropodidae	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Widespread but Uncommon	Native	BTNR	No
4	Pteropodidae	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; C	Critically Endangered	Yes	NA	Visitor	BTNR	No
5	Vespertilionidae	<i>Scotophilus kuhlii</i>	Lesser Asian house bat	Least Concern	Least Concern	No	Widespread and Common	Native	BTNR, Tengah	Yes
6	Vespertilionidae	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Yes	Restricted and Rare	Native	BTNR	No
7	Vespertilionidae	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Yes	Widespread and Common	Native	BTNR	No
-	Vespertilionidae	<i>Tylonycteris sp.</i>	Unidentified bamboo bat	Least Concern	Vulnerable	Yes	NA	Native	BTNR, Tengah	Yes

## Appendix 6 - List of Probable Faunal Species at E

No.	Family	Scientific Name	Global Status (IUCN/CITES)	National Status	Species of Interest (Yes/No)	Bukit Timah Nature Reserve (BTNR) and/or Tengah records (Koh & Court, 2019)	Recorded Species (Yes/No)
1	Araneidae	<i>Araneus nox</i>	Not Assessed	Not Assessed	No	-	Yes
2	Araneidae	<i>Bijparaneus mitificus</i>	Not Assessed	Not Assessed	No	-	Yes
3	Araneidae	<i>Eriovixia laglaizei</i>	Not Assessed	Not Assessed	No	BTNR	Yes
4	Araneidae	<i>Macracantha hasselti</i>	Not Assessed	Not Assessed	No	-	Yes
5	Araneidae	<i>Neoscona vigilans</i>	Not Assessed	Not Assessed	No	BTNR	Yes
6	Araneidae	<i>Nephila pilipes</i>	Not Assessed	Not Assessed	No	-	Yes
7	Clubionidae	<i>Clubiona cf. meraukensis</i>	Not Assessed	Not Assessed	No	-	Yes
8	Clubionidae	<i>Nusatidia camouffata</i>	Not Assessed	Not Assessed	No	BTNR	Yes
9	Corinnidae	<i>Echinax oxyopoides</i>	Not Assessed	Not Assessed	No	-	Yes
10	Euagridae	<i>aff. Malayathele SC</i>	Not Assessed	Not Assessed	Yes	-	Yes
11	Hersiliidae	<i>Hersilia lelabah</i>	Not Assessed	Not Assessed	No	BTNR	Yes
12	Liocranidae	<i>Oedignatha scrobiculata</i>	Not Assessed	Not Assessed	No	BTNR	Yes
13	Lycosidae	<i>Draposa GP</i>	Not Assessed	Not Assessed	No	-	Yes
14	Lycosidae	<i>Pardosa sumatrana</i>	Not Assessed	Not Assessed	No	-	Yes
15	Lycosidae	<i>Trochosa ruricoloides</i>	Not Assessed	Not Assessed	No	-	Yes
16	Lycosidae	<i>Venonia coruscans</i>	Not Assessed	Not Assessed	No	BTNR	Yes
17	Oonopidae	<i>Ischnothyreus brunneus</i>	Not Assessed	Not Assessed	No	BTNR	Yes
18	Oonopidae	<i>Ischnothyreus cf. serpentinum</i>	Not Assessed	Not Assessed	No	-	Yes
19	Oonopidae	<i>Prethopalpus schwendingeri</i>	Not Assessed	Not Assessed	No	BTNR	Yes
20	Oxyopidae	<i>Oxyopes auratus</i>	Not Assessed	Not Assessed	No	BTNR	Yes
21	Oxyopidae	<i>Oxyopes cf. birmanicus</i>	Not Assessed	Not Assessed	No	-	Yes
22	Pholcidae	<i>Belisana PH</i>	Not Assessed	Not Assessed	No	-	Yes
23	Pholcidae	<i>Belisana YT</i>	Not Assessed	Not Assessed	No	-	Yes
24	Pisauridae	<i>Dolomedes LS</i>	Not Assessed	Not Assessed	No	-	Yes
25	Salticidae	<i>Epeus flavobilineatus</i>	Not Assessed	Not Assessed	No	BTNR	Yes
26	Salticidae	<i>Epeus SS</i>	Not Assessed	Not Assessed	No	-	Yes
27	Salticidae	<i>Ptocasius weyersi</i>	Not Assessed	Not Assessed	No	BTNR	Yes
28	Salticidae	<i>Thorelliola ensifera</i>	Not Assessed	Not Assessed	No	BTNR	Yes
29	Salticidae	<i>Viciria pavesii</i>	Not Assessed	Not Assessed	No	-	Yes
30	Scytodidae	<i>Scytodes fusca</i>	Not Assessed	Not Assessed	No	BTNR	Yes
31	Sparassidae	<i>Olios CY</i>	Not Assessed	Not Assessed	No	-	Yes
32	Tetrablemmidae	<i>Brignoliella michaeli</i>	Not Assessed	Not Assessed	Yes	-	Yes
33	Tetragnathidae	<i>Leucauge argentina</i>	Not Assessed	Not Assessed	No	BTNR	Yes
34	Tetragnathidae	<i>Leucauge decorata</i>	Not Assessed	Not Assessed	No	-	Yes
35	Tetragnathidae	<i>Tetragnatha chauliodus</i>	Not Assessed	Not Assessed	No	-	Yes
36	Tetragnathidae	<i>Tylorida ventralis</i>	Not Assessed	Not Assessed	No	BTNR	Yes
37	Theridiidae	<i>Argyrodes flavescens</i>	Not Assessed	Not Assessed	No	BTNR	Yes
38	Theridiidae	<i>Chikunia ST</i>	Not Assessed	Not Assessed	No	-	Yes
39	Theridiidae	<i>Chryso RB</i>	Not Assessed	Not Assessed	No	-	Yes
40	Theridiidae	<i>Chryso TT</i>	Not Assessed	Not Assessed	No	BTNR	Yes
41	Theridiidae	<i>Coscinida SB</i>	Not Assessed	Not Assessed	No	-	Yes
42	Theridiidae	<i>Emertonella GH</i>	Not Assessed	Not Assessed	No	-	Yes
43	Theridiidae	<i>Janula batman</i>	Not Assessed	Not Assessed	No	-	Yes
44	Theridiidae	<i>Janula MF</i>	Not Assessed	Not Assessed	No	-	Yes
45	Theridiidae	<i>Nihonhimea mundula</i>	Not Assessed	Not Assessed	No	BTNR	Yes
46	Theridiidae	<i>Phycosoma digitula</i>	Not Assessed	Not Assessed	No	-	Yes
47	Theridiidae	<i>Phycosoma hana</i>	Not Assessed	Not Assessed	No	BTNR	Yes
48	Theridiidae	<i>Stemmops nigrabdomenus</i>	Not Assessed	Not Assessed	No	-	Yes
49	Theridiidae	<i>Theridion t-notatum</i>	Not Assessed	Not Assessed	No	BTNR	Yes
50	Thomisidae	<i>Pharta bimaculata</i>	Not Assessed	Not Assessed	No	BTNR	Yes
51	Thomisidae	<i>Tmarus SH</i>	Not Assessed	Not Assessed	No	-	Yes
52	Uloboridae	<i>Miagrammopes BS</i>	Not Assessed	Not Assessed	No	-	Yes
53	Zodariidae	<i>Asceua VB</i>	Not Assessed	Not Assessed	No	-	Yes
54	Zodariidae	<i>Mallinella annulipes</i>	Not Assessed	Not Assessed	No	BTNR	Yes

**APPENDIX 7**  
**IMPACT ASSESSMENT ON PLANTS AT BBNP [AREA B1 (WEST OF**  
**LORONG SESUAI)], B2, B3, B4, C1, C2**

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bat	No	<i>Cheironomys torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	Yes	<i>Eonycteris speleaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Tyonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	High	Susceptible to injury and mortality during bamboo felling	High	Likely	Bamboo clusters located within impact zones	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Major	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Conduct bamboo bat rescue and translocation	High	High	Less likely	Minor
Fauna	Bat	No	<i>Tyonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	High	Susceptible to injury and mortality during bamboo felling	High	Likely	Bamboo clusters located within impact zones	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Major	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Conduct bamboo bat rescue and translocation	High	High	Less likely	Minor
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Anthidellium smithii</i>	NA	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lasiglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Brachypodius melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Cyamys brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Dicaeum chrysorheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ichthyophaga ichthyaeetus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Katupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ptilinus cyaneus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible



Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered: CITES protected (Appendix I)	Endangered	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern: CITES protected (Appendix II)	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern: CITES protected (Appendix II)	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Sumiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Treron curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Ahopala eumolpus maxwell</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections > Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Ahopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections > Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Asiclopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections > Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections > Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Calotis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections > Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancya</i>	Ancyra blue	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections > Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Charaxes sokol echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections > Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despolita</i>	Common duffler	Not Assessed	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections > Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Gangara lebadeta lebadeta</i>	Banded redaye	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections > Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections > Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailer	Not Assessed	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Suasius everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Tapena thwaitesi bomea</i>	Dark fat	Not Assessed	Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Decapod	No	<i>Geosesarma peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Aquatic - low susceptibility	Low	Possible	Impact could possibly happen or known to occur during the construction phase of stream restoration	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Construction	Accidental injury or mortality	High	High	Gliding mammal - susceptible to disorientation and loss of launching points	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Construction	Accidental injury or mortality	High	Medium	Arboreal mammal - mobile but possibly susceptible	Medium	Less Likely	Not known to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Minor		Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Construction	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas	High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Construction	Accidental injury or mortality	High	High	Attracted to construction sites	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas	High	High	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact Intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Construction	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	High	High	Less likely	Minor	
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	No	Construction	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor	
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Low	Low	Not Expected to Occur	Negligible	
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Low	Low	Not Expected to Occur	Negligible	
Fauna	Odonate	No	<i>Amphinemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Low	Low	Not Expected to Occur	Negligible	
Fauna	Odonate	No	<i>Chalybeothrips fluvialis</i>	Green-eyed percher	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Low	Low	Not Expected to Occur	Negligible	
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Low	Low	Not Expected to Occur	Negligible	
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Low	Low	Not Expected to Occur	Negligible	
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Low	Low	Not Expected to Occur	Negligible	

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Odonate	No	<i>Indothemis camatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threetail	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Vestalis arethystina</i>	Common flashwing	Not Assessed	Vulnerable	No	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Reptiles	Yes	<i>Anyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Construction	Accidental injury or mortality	High	Low	Aquatic - low susceptibility	Low	Possible	Impact could possibly happen or known to occur during the construction phase of stream restoration	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > Avoid fogging > No night works (except security critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas	High	High	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Reptiles	No	<i>Calliophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EEMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	No	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EEMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EEMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	No	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EEMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	No	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EEMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Reptiles	No	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Sibynophis melanacephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works (except security critical works)</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor
Fauna	Bat	No	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites</li> <li>&gt; No night works (except safety-critical works)</li> </ul>	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites</li> <li>&gt; No night works (except safety-critical works)</li> </ul>	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites</li> <li>&gt; No night works (except safety-critical works)</li> </ul>	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites</li> <li>&gt; No night works (except safety-critical works)</li> </ul>	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites</li> <li>&gt; No night works (except safety-critical works)</li> </ul>	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened: CITES protected (Appendix II)	Critically Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites</li> <li>&gt; No night works (except safety-critical works)</li> </ul>	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Tyloscteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites</li> <li>&gt; No night works (except safety-critical works)</li> </ul>	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor



Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	Medium	Medium	Less likely	Minor
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		High	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Anthidellium smithi</i>	NA	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Medium	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		High	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		High	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lasioglossum semrussatum</i>	NA	Not Assessed	Critically Endangered	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		High	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		High	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Low	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		High	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Medium	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Low	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		High	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Patefalpis intricata</i>	NA	Not Assessed	Critically Endangered	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Medium	Very Low	Not Expected to Occur	Negligible

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	High	Less likely	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	Medium	Less likely	Minor
Fauna	Bird	No	<i>Brachyodius melanocephalos</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	High	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	High	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Chrysococcyx xanthurus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	High	Less likely	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Medium	Low	Less likely	Minor
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	High	Less likely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Medium	Low	Less likely	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	High	Less likely	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	Medium	Less likely	Minor
Fauna	Bird	No	<i>Dicaeum chrysorheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	High	Less likely	Minor

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	High	Less likely	Minor
Fauna	Bird	No	<i>Ichthyophaga ichthyæetus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	High	Less likely	Minor
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffly fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	High	Less likely	Minor
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	Medium	Less likely	Minor
Fauna	Bird	No	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Nisetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Construction	Human disturbance	High	Medium	Sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Low	High	Less likely	Minor
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Low	Medium	Less likely	Minor
Fauna	Bird	No	<i>Ptilinopus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Low	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Low	High	Less likely	Minor
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Low	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Low	High	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern: CITES protected (Appendix II)	Critically Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Low	Medium	Less likely	Minor
Fauna	Bird	No	<i>Strix selopto</i>	Spotted wood owl	Least Concern: CITES protected (Appendix II)	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Low	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Surniculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Low	High	Less likely	Minor
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Low	High	Less likely	Minor
Fauna	Bird	No	<i>Treron curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Low	High	Less likely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Low	Medium	Less likely	Minor
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwell</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Caloris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Discophora sondaica despollata</i>	Common duffler	Not Assessed	Critically Endangered	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redevye	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba sanaya elloti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		High	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		High	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Low	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		High	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Suasatus everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Tapana thwaitesi bornea</i>	Dark fat	Not Assessed	Endangered	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Telocota colan stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Vagrans sirha sirha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Zefa storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Decapod	No	<i>Geosesama peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Low	Very Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Low	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Low	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable, CITES protected (Appendix II)	Least Concern	Yes	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor	> Restrict entry of site personnel beyond the worksite	Medium	Low	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered: CITES protected (Appendix I)	Critically Endangered	Yes	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern, CITES protected (Appendix I)	Critically Endangered	No	Construction	Human disturbance	High	High	Extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	High	Less likely	Minor
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Low	Less likely	Minor
Fauna	Odonate	No	<i>Anpicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Low	Less likely	Minor
Fauna	Odonate	No	<i>Chalybeothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Low	Less likely	Minor
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Low	Less likely	Minor
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Low	Less likely	Minor
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Indothemis camatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Odonate	No	<i>Vestalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Reptiles	Yes	<i>Amvda cartilaginea</i>	Asian softshell turtle	Vulnerable, CITES protected (Appendix II)	Vulnerable	Yes	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Callophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable, CITES protected (Appendix II)	Near Threatened	No	Construction	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable, CITES protected (Appendix II)	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Sibynophis melanacephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Construction	Human disturbance	High	Medium	Sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Cheromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor



Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact Intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Tyonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Tyonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Anthidellum smithi</i>	NA	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Lasiosgossium sentrusatum</i>	NA	Not Assessed	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Conduct regular site inspections to ensure contractor compliance with the EMMP	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Conduct regular site inspections to ensure contractor compliance with the EMMP	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Brachypodius melanoccephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Conduct regular site inspections to ensure contractor compliance with the EMMP	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Conduct regular site inspections to ensure contractor compliance with the EMMP	Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Dicaeum chrysorheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Haliyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Icthyophaga ichthyetus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Nisaeetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ptilinopus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Sumiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Trogon curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Calotis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancya</i>	Ancya blue	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Charaxes soloni echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despolita</i>	Common duffer	Not Assessed	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Gangara lebadaea lebadaea</i>	Banded readey	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageledas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Suasuta everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark fat	Not Assessed	Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Telocota colan stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed, CITES protected (Appendix II)	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Zefa storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Decapod	No	<i>Geosesama peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	No night work	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Low	Low	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Iomys horsfieldii</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	No night work	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Low	Low	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Construction	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	High	High	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered: CITES protected (Appendix I)	Critically Endangered	Yes	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	Predominantly ground-dwelling; can be excluded with hoarding	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern: CITES protected (Appendix I)	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	Predominantly ground-dwelling; can be excluded with hoarding	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Aciaagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Chalybeothems fluvialilis</i>	Green-eyed perchler	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Coperia vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Indothemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Vestalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible



Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Reptiles	Yes	<i>Amnya cartilaginea</i>	Asian softshell turtle	Vulnerable, CITES protected (Appendix II)	Vulnerable	Yes	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	High	Typically perceived as threat	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas ? Train site personnel that feeding of wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	High	Typically perceived as threat	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas ? Train site personnel that feeding of wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Callophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	High	Typically perceived as threat	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas ? Train site personnel that feeding of wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable, CITES protected (Appendix II)	Near Threatened	No	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Negligible	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	High	Typically perceived as threat	High	Less Likely	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor	> Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas ? Train site personnel that feeding of wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	Predominantly ground-dwelling, can be excluded with hoarding	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor	> Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas ? Train site personnel that feeding of wildlife is strictly prohibited	Low	Low	Less likely	Minor

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable, CITES protected (Appendix II)	Vulnerable	No	Construction	Human-Wildlife conflict	High	High	Typically perceived as threat	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas ? Train site personnel that feeding of wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	Predominantly ground-dwelling, can be excluded with hoarding	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Construction	Human-Wildlife conflict	High	High	Typically perceived as threat	High	Possible	Known to occur at construction sites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspections	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas ? Train site personnel that feeding of wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Bat	No	<i>Cheiroloptes torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened, CITES protected (Appendix II)	Critically Endangered	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Tyonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Tyonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Anthidellium smithi</i>	NA	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Lesioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	No	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	No	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	No	Construction	Light disturbance	High	Negligible	Acute/leata - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Brachyopus melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Chrysococcyx xanthyrrhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Construction	Light disturbance	High	High	Migratory	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Cyamias brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Construction	Light disturbance	High	High	Migratory	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Dicaeum chrysorheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Construction	Light disturbance	High	High	Migratory	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Ichthyophaga ichthyaeus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Construction	Light disturbance	High	High	Migratory	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Nisaeetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Ptilinopus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Sumiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Construction	Light disturbance	High	High	Migratory	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Treron curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Arhopala antimita antimita</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpous maxwell</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Asiclopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Caltonis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyr</i>	Ancyr blue	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Charaxes sokon echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Discophora sondaica despolata</i>	Common duffer	Not Assessed	Critically Endangered	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Jamides alecto ageledas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Suasus everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark fat	Not Assessed	Endangered	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Telicota colan stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Construction	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Decapod	No	<i>Geosesama peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Negligible	Aquatic - not sensitive	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Construction	Light disturbance	High	Medium	Diurnal mammal	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Construction	Light disturbance	High	Medium	Diurnal mammal	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Pionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Odonate	No	<i>Aciligrion hisopa</i>	Blue slim	Least Concern	Vulnerable	No	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Chalybeothrips fluvialis</i>	Green-eyed perchler	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	No	Construction	Light disturbance	High	Medium	Crepuscular odonate	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Odonate	No	<i>Indothemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	No	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Vestalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	No	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Reptiles	Yes	<i>Amyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Callisphaps bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Construction	Light disturbance	High	Medium	Diurnal reptile	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	No	Construction	Light disturbance	High	Medium	Diurnal reptile	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Phyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Sibynopsis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Construction	Light disturbance	High	Medium	Diurnal reptile	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bat	No	<i>Pterothorax lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Bat	No	<i>Tylonycteris fulvipes</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction	Negligible		Low	Low	Not Expected to Occur	Negligible	

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bee	No	<i>Anthidellium smithi</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lasiglossum semrussatum</i>	NA	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lipotriches takuensis</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Brachypodius melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	Yes	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Cyamops brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Ichthyophaga ichthyaeetus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Bird	Yes	<i>Nisetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Bird	Yes	<i>Pastacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Ptilinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction	Minor		High	High	Not Expected to Occur	Minor	

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Sumiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Treron curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Arhopala antimita antimita</i>	Small tallies oakblue	Not Assessed	Nationally Extinct	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Asictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Calotis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyræ</i>	Ancyræ blue	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Discophora sondaica despolita</i>	Common duffer	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor



Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sikhline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not expected to happen during construction		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Suasus everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Decapod	No	<i>Geosesama peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Considerable changes in waterbody that may affect connectivity for aquatic species	High	Not Expected to Occur	Impact is not likely to happen during stream restoration as watercourse is not adversely affected		Minor		High	High	Not Expected to Occur	Minor
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Non-volant mammal	No	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not expected to happen during construction		Minor		High	High	Not Expected to Occur	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact could possibly happen or has been known to occur during construction		Minor		Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact could possibly happen or has been known to occur during construction		Minor		High	High	Less likely	Minor
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Odonate	No	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Odonate	No	<i>Chalybeothemis fluvialis</i>	Green-eyed percher	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Odonate	No	<i>Indothemis camatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	Impact is not expected to happen during construction		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Odonate	No	<i>Vestalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	Yes	<i>Amnya cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Considerable changes in waterbody that may affect connectivity for aquatic species	High	Possible	Impact could possibly happen or has been known to occur during construction	> Avoid changes to watercourses	Moderate		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Boliga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Boliga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Callophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Considerable changes in waterbody that may affect connectivity for aquatic species	High	Possible	Impact could possibly happen or has been known to occur during construction	> Avoid changes to watercourses	Moderate		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Banded kukri snake	Least Concern	Endangered	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	Impact is not likely to happen during construction		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Phyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	Impact is not likely to happen during construction		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bat	No	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Bat	No	<i>Tyonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat, 2 bamboo clusters affected	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Bat	No	<i>Tyonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat, 2 bamboo clusters affected	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bee	No	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bee	No	<i>Lasiglossum semirussum</i>	NA	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bee	No	<i>Lipotichus takauensis</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Brachyodius melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate

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Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	Yes	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate



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Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate

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Fauna	Bird	No	<i>Ichthyophaga ichthyæetus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate

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Fauna	Bird	Yes	<i>Nisaeetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Bird	No	<i>Ptilinopus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	

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Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bird	Yes	<i>Sumiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate

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Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Bird	No	<i>Trogon curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Ahopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Ahopala eumolophus maxwell</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Ahopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	

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Fauna	Butterfly	No	<i>Caloris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Charaxes sokon echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Discophora sondaica despolata</i>	Common duffer	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redefye	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	

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Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate



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Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate

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Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark fat	Not Assessed	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Telicota colin stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed, CITES protected (Appendix II)	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate	

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Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Decapod	No	<i>Geosesarma peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		Negligible	> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Non-volant mammal	No	<i>Iomys horsfieldii</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate

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Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Non-volant mammal	No	<i>Pionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		Negligible	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		Negligible	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Amphicnemis gracilis</i>	Wii-o-wisp	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		Negligible	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluvialis</i>	Green-eyed perch	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Quarry QB	Very Low	Not Expected to Occur	Quarry QB is not affected by construction		Negligible		Low	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		Negligible	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		Negligible	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawk	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		Negligible	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Indothemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Quarry QB	Very Low	Not Expected to Occur	Quarry QB is not affected by construction		Negligible		Low	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Vestalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Reptiles	Yes	<i>Anyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Boliga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Moderate	Low	Low	Certain	Moderate

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Reptiles	No	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Reptiles	No	<i>Callophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable, CITES protected (Appendix II)	Near Threatened	No	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of Stream SB1a (habitat enhancement only)	Very Low	Not Expected to Occur	NA		Negligible	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist > For trail construction, only understory plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Reptiles	No	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Reptiles	No	<i>Sibynophis melancephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA		Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance, Plaza and play area area, proposed trails towards quarry) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > For trail construction, only understorey plants are removed when necessary, and replanted elsewhere in BBNP	Low	Low	Certain	Moderate
Fauna	Bat	No	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	Yes	<i>Eonycteris speleae</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Penthetor lucasii</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Tyonycteris fulvipes</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Tyonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible



Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bee	No	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Brachypodius melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Chrysococcyx xanthurus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Operational	Accidental injury or mortality	High	High	Migratory	High	Not Expected to Occur	No new buildings		Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Migratory	High	Not Expected to Occur	No new buildings		Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Dicaeum chrysorheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Operational	Accidental injury or mortality	High	High	Migratory	High	Not Expected to Occur	No new buildings		Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Icthyophaga ichthyaeus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buff fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Migratory	High	Not Expected to Occur	No new buildings		Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Nettion coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	Yes	<i>Nisetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Pastacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Operational	Accidental injury or mortality	High	High	Forest edge frugivore	High	Not Expected to Occur	No new buildings		Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Patinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Forest edge frugivore	High	Not Expected to Occur	No new buildings		Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Operational	Accidental injury or mortality	High	High	Forest edge frugivore	High	Not Expected to Occur	No new buildings		Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Strix setopeto</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Not Expected to Occur	No new buildings		Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Sumiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Operational	Accidental injury or mortality	High	High	Migratory	High	Not Expected to Occur	No new buildings		Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Trogon curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Forest edge frugivore	High	Not Expected to Occur	No new buildings		Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Ancema blanca blanca</i>	Silver royal	Not Assessed	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwell</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Syhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Asictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Caltois malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancya</i>	Ancyra blue	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despolita</i>	Common duffer	Not Assessed	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redaye	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sidline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Suastris everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Troides helena corberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Decapod	No	<i>Geosesarma peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Aquatic - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Operational	Accidental injury or mortality	High	Medium	Arboreal mammal - mobile but possibly susceptible to roadkills	Medium	Less Likely	Adjacent roads already experience high traffic volumes		Minor		Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Operational	Accidental injury or mortality	High	Medium	Arboreal mammal - mobile but possibly susceptible to roadkills	Medium	Less Likely	Adjacent roads already experience high traffic volumes		Minor		Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Operational	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Operational	Accidental injury or mortality	High	High	Known to cross roads - highly susceptible to roadkills	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Operational	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Priailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	No	Operational	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Acrogonphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Odonate	No	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Drapanosticta quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Indothemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Vestalis amethystina</i>	Common flatwing	Not Assessed	Vulnerable	No	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Reptiles	Yes	<i>Ameyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Accidental injury or mortality	High	Low	Aquatic - low susceptibility	Low	Not Expected to Occur	Not expected to happen during operation		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Bolga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Bolga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Calliophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	No	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	No	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Adjacent roads already experience high traffic volumes		Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Medium	Medium	Less likely	Minor



Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Brachyopodus melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Medium	High	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	High	High	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis somerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Chrysococcyx xanthurus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Medium	High	Less likely	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Medium	Low	Less likely	Minor
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Medium	High	Less likely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	High	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Medium	Low	Less likely	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	High	High	Less likely	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	High	Medium	Less likely	Minor
Fauna	Bird	No	<i>Dicaeum chrysorheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	High	High	Less likely	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	High	High	Less likely	Minor
Fauna	Bird	No	<i>Ichthyophaga ichthyaeetus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Medium	High	Less likely	Minor
Fauna	Bird	No	<i>Kelapa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	High	High	Less likely	Minor
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	High	Medium	Less likely	Minor

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Nettappus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	High	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pastacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	Medium	Less likely	Minor
Fauna	Bird	No	<i>Pittinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	High	Less likely	Minor
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	High	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	Medium	Less likely	Minor
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Surniculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	High	Less likely	Minor
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	High	Less likely	Minor
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	High	Less likely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	Medium	Less likely	Minor
Fauna	Butterfly	No	<i>Ancema blanca blanka</i>	Silver royal	Not Assessed	Critically Endangered	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	Low	Less likely	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Arhopala antimata antimata</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwell</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adora</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Asiclopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Calotis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyrus</i>	Ancyrus blue	Not Assessed	Vulnerable	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Discophora sondaica despolata</i>	Common duffer	Not Assessed	Critically Endangered	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded red-eye	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Jamides alecto ageledas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pachlopta aristochloae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		High	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Medium	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		High	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Rachana jainindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		High	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Suasus everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark fat	Not Assessed	Endangered	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Telicota colan stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Decapod	No	<i>Geosesarma peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Not Expected to Occur	Not adversely affected by human presence		Negligible		Low	Very Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Iomys horsfieldii</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Operational	Human disturbance	High	High	Sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Low	Medium	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Operational	Human disturbance	High	Low	Slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Medium	Low	Less likely	Minor





Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Reptiles	No	<i>Sibynophis melanoleptus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Operational	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Cheiroloes torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Pterothorax lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Ceratina ritleyi</i>	NA	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Lasiosglossum semirussum</i>	NA	Not Assessed	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

## Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Brachyopus melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Icthyophaga ichthyaeus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Nisetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ptilinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Strix seloptus</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Surmiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Treron curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tallest oakblue	Not Assessed	Nationally Extinct	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Asctictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Borbo cinrara</i>	Formosan swift	Not Assessed	Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Calitoris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Charaxes sobon echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despolata</i>	Common duffer	Not Assessed	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Gangarra lebadea lebadea</i>	Banded redevye	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent soline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Suasus everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Tapena thwailesi bornea</i>	Dark flat	Not Assessed	Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Telocota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Troides helena corberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Decapod	No	<i>Geosesarma peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Negligible	Low	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Iomys horsfieldii</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Operational	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Less Likely	Mammal - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof	Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Operational	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Less Likely	Mammal - possibly implicated in human-wildlife conflict		Minor	> Put up signages to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof	High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation		Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Aciastrion hisopa</i>	Blue slim	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluviatilis</i>	Green-eyed perchler	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Indothemis camatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Odonate	No	<i>Vestalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Reptiles	Yes	<i>Amyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Bolga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Less Likely	Reptile - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Bolga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Less Likely	Reptile - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Callophis bvirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Less Likely	Reptile - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	No	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Not Expected to Occur	Impact is not expected to happen during operation	Wildlife-human coexistence education programs	Negligible	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	Low	Low	Less likely	Minor
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	Low	Low	Less likely	Minor
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	No	Operational	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Less Likely	Reptile - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Python fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Impact is not likely to happen during operation	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	Low	Low	Less likely	Minor
Fauna	Reptiles	No	<i>Sibynophis melanoccephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Operational	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Less Likely	Reptile - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	High	High	Less likely	Minor
Fauna	Bat	No	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline.	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	High	High	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline.	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	High	High	Not Expected to Occur	Minor
Fauna	Bat	Yes	<i>Eonycteris speleae</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline.	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	High	High	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline.	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	> Design bins to be wildlife-proof	High	High	Not Expected to Occur	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bat	No	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Tytonycteris fulvula</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Tytonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Anthidium smithii</i>	NA	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Lasiglossum semrussatum</i>	NA	Not Assessed	Critically Endangered	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lipotichies takauensis</i>	NA	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile indonesiaica</i>	NA	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible



Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Brachyodius melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Chrysococcyx xanthurus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Cyamops brunneus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Ichthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Katupa katupa</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Nettapus coronamandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Psittacus longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Psittinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Sumiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala antinuta antinuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolophus maxwell</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Asictoptenus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Calitris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despolata</i>	Common duffer	Not Assessed	Critically Endangered	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Gangara lebadaea lebadaea</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageledas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sikhine blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Nacaduba saranya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Petropias agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark fat	Not Assessed	Endangered	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Telicota colona slinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Vagrans sirha sirha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Decapod	No	<i>Geosesarma peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Non-volant mammal	No	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor



Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluvialis</i>	Green-eyed percher	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Odonate	No	<i>Indothemis camatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Vesalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	No	Operational	Light disturbance	High	Low	Species that are slightly sensitive to changes in light levels	Low	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Reptiles	Yes	<i>Anyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Callophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Operational	Light disturbance	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		High	High	Not Expected to Occur	Minor

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Reptiles	No	<i>Sibynophis melanoecephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Operational	Light disturbance	High	Medium	Species that are sensitive to changes in light levels	Medium	Not Expected to Occur	Lighting will only be provided along proposed trails towards quarry and the southern part of Stream Loop, which are currently lit (i.e., worse off from baseline).		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bat	Yes	<i>Eonycteris speleaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lasiglossum semirusatum</i>	NA	Not Assessed	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lipotriches takuensis</i>	NA	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Brachypodius melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Operational	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Operational	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings		Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings		Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings		Minor		Medium	Medium	Not Expected to Occur	Minor
Fauna	Bird	No	<i>Dicaeum chrysorheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Operational	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings		Minor		High	High	Not Expected to Occur	Minor

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Ichthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Katupa katupa</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Bird	Yes	<i>Nisetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Paltinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Bird	Yes	<i>Sumiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Ancema blanca blanca</i>	Silver royal	Not Assessed	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Athopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings	Minor		Medium	Medium	Not Expected to Occur	Minor	

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Artopala antimita antimita</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Artopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Artopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Calotis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Catopyrops ancya</i>	Ancyra blue	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Discophora sondaica despolita</i>	Common duffer	Not Assessed	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Gangara lebadaea lebadaea</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings	Negligible		Low	Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent siskin blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings	Minor		Medium	Medium	Not Expected to Occur	Minor	

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Suasus everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Butterfly	No	<i>Telicota coton stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix I)	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Decapod	No	<i>Geosesarma peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Considerable changes in waterbody that may affect connectivity for aquatic species	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Non-volant mammal	No	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Not Expected to Occur	No major new buildings	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible	
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Odonate	No	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Odonate	No	<i>Chalybeothrips fuvialtis</i>	Green-eyed percher	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings	Negligible		High	Low	Not Expected to Occur	Negligible	
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Odonate	No	<i>Indothemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Not Expected to Occur	No major new buildings	Negligible		High	Low	Not Expected to Occur	Negligible	



Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Odonate	No	<i>Vestalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Reptiles	Yes	<i>Amyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Reptiles	No	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Reptiles	No	<i>Callophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Banded kukri snake	Least Concern	Endangered	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Not Expected to Occur	No major new buildings	Minor		Medium	Medium	Not Expected to Occur	Minor	
Fauna	Reptiles	No	<i>Pyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Not Expected to Occur	No major new buildings	Minor		High	High	Not Expected to Occur	Minor	
Fauna	Bat	No	<i>Cheiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Yes	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Penthetor lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	No	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	Yes	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Yes	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bee	No	<i>Lasioglossum semirusatum</i>	NA	Not Assessed	Critically Endangered	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Nomia epicalis</i>	NA	Not Assessed	Critically Endangered	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Brachypodius melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	No	Operational	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	No	Operational	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Yes	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Yes	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern; CITES protected (Appendix II)	Endangered	Yes	Operational	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Yes	Operational	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Yes	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Dicaeum chrysorheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Icthyophaga ichthyaeus</i>	Grey-headed fish eagle	Near Threatened; CITES protected (Appendix II)	Vulnerable	No	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Helopais personatus</i>	Masked finfoot	Endangered	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Nettapus coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Yes	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Ptilinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	No	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Yes	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	No	Operational	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Yes	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	No	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	No	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Surniculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Yes	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	No	<i>Treron curvirostra</i>	Thick-billed green pigeon	Least Concern	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Yes	Operational	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less likely	Minor
Fauna	Butterfly	No	<i>Ancerna blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwell</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Calotis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Charaxes soloni echo</i>	Black rajah	Not Assessed	Critically Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despolita</i>	Common duffer	Not Assessed	Critically Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Gangara lebadewa lebadewa</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurawa nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	Yes	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Yes	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Suastris everyx everyx</i>	White palm bob	Not Assessed	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark fat	Not Assessed	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Teicota colon stings</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Decapod	No	<i>Geosesama peraccae</i>	Peracca's land crab	Not Assessed	Vulnerable	No	Operational	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Yes	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	No	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Non-volant mammal	No	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	No	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Yes	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Yes	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	No	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Odonate	No	<i>Aciaglion hisopa</i>	Blue slm	Least Concern	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Amphicnemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluvialis</i>	Green-eyed percher	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 7 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Recorded Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Indothenis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Odonate	No	<i>Vestalis amethystina</i>	Common flashwing	Not Assessed	Vulnerable	No	Operational	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Not Expected to Occur	Negligible
Fauna	Reptiles	Yes	<i>Amyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Yes	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Boiga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Callophis bivirgatus</i>	Malayan blue coral snake	Least Concern	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	No	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	No	Operational	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible
Fauna	Reptiles	No	<i>Sibynophis melanacephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	No	Operational	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Not Expected to Occur	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Not Expected to Occur	Negligible

**APPENDIX 8**  
**IMPACT ASSESSMENT ON FAUNA AT BBNP [AREA B1 (WEST OF LORONG**  
**SESUAI)], B2, B3, B4, C1, C2**



Receptor Type	Type	Habitat	Phase	Impact type	Impact category	Sensitivity (S)	Key minimum controls	Impact intensity (I)	Reason	Consequence (C = S x I)	Likelihood (L)	Reason	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Habitat	Terrestrial	Native-dominated secondary forest	Construction	Loss of habitat	Direct	Priority 1	Hoarding installation, TPZ installation, daily checks by EM	Low	< 10%	Low	Certain	Overlaps with slope stabilisation worksite	Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate worksites involving heavy machinery (i.e., Main Entrance, Plaza and Nature Play, Quarry Trail) > For worksites involving manual work only (i.e., trails, boardwalks, stream edge enhancement), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance	Low	Low	Certain	Moderate
Habitat	Terrestrial	Ionized kampong and/or plantation with native recu	Construction	Loss of habitat	Direct	Priority 2		Low	< 10%	Very Low	Certain	Overlaps with slope stabilisation worksite	Minor		Low	Very Low	Certain	Minor
Habitat	Terrestrial	Abandoned kampong and/or plantation	Construction	Loss of habitat	Direct	Priority 2		Low	< 10%	Very Low	Certain	Overlaps with worksite	Minor		Low	Very Low	Certain	Minor
Habitat	Terrestrial	Grassland	Construction	Loss of habitat	Direct	Priority 2		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Scrubland	Construction	Loss of habitat	Direct	Priority 3		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Farm	Construction	Loss of habitat	Direct	Priority 3		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Urban vegetation	Construction	Loss of habitat	Direct	Priority 3		Medium	10-40%	Very Low	Certain	Overlaps with worksite	Minor		Medium	Very Low	Certain	Minor
Habitat	Aquatic	Stream B1a	Construction	Loss of habitat	Direct	Priority 2		Negligible	No loss (stream enhancement only)	Imperceptible	Unlikely	No loss (stream enhancement only)	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Aquatic	Stream B2a	Construction	Loss of habitat	Direct	Priority 2		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Aquatic	Stream B2b	Construction	Loss of habitat	Direct	Priority 2		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QB	Construction	Loss of habitat	Direct	Priority 2		Negligible	No loss (boardwalk)	Imperceptible	Unlikely	No loss (boardwalk)	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Native-dominated secondary forest	Construction	Habitat degradation	Indirect	Priority 1		Medium	17.7% (1.40 ha)	Medium	Less likely	Minimum controls	Minor		Medium	Medium	Less likely	Minor
Habitat	Terrestrial	Ionized kampong and/or plantation with native recu	Construction	Habitat degradation	Indirect	Priority 2		Medium	10.0% (1.18 ha)	Low	Less likely	Minimum controls	Minor		Medium	Low	Less likely	Minor
Habitat	Terrestrial	Abandoned kampong and/or plantation	Construction	Habitat degradation	Indirect	Priority 2		Low	4.4% (0.81 ha)	Very Low	Less likely	Minimum controls	Negligible		Low	Very Low	Less likely	Negligible
Habitat	Terrestrial	Grassland	Construction	Habitat degradation	Indirect	Priority 2	ECM implementation, proper stockpiling, DCM implementation, ensure noise levels within approved limits, daily checks by EM, avoid fogging	Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Scrubland	Construction	Habitat degradation	Indirect	Priority 3		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Farm	Construction	Habitat degradation	Indirect	Priority 3		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Urban vegetation	Construction	Habitat degradation	Indirect	Priority 3		Medium	36.3% (2.03 ha)	Very Low	Less likely	Minimum controls	Negligible		Medium	Very Low	Less likely	Negligible
Habitat	Aquatic	Stream B1a	Construction	Habitat degradation	Indirect	Priority 2		Medium	Considerable reduction in surface water quality	Low	Less likely	Minimum controls	Minor		Medium	Low	Less likely	Minor
Habitat	Aquatic	Stream B2a	Construction	Habitat degradation	Indirect	Priority 2		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Aquatic	Stream B2b	Construction	Habitat degradation	Indirect	Priority 2		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QB	Construction	Habitat degradation	Indirect	Priority 2		Medium	Considerable reduction in surface water quality	Low	Less likely	Minimum controls	Minor		Medium	Low	Less likely	Minor
Habitat	Terrestrial	Native-dominated secondary forest	Construction	Formation of edge effects	Indirect	Priority 1		Low	< 10% increase in P/A	Low	Less likely	Small development (simple interventions)	Minor		Low	Low	Less likely	Minor
Habitat	Terrestrial	Ionized kampong and/or plantation with native recu	Construction	Formation of edge effects	Indirect	Priority 2		Low	< 10% increase in P/A	Very Low	Less likely	Small development (simple interventions)	Negligible		Low	Very Low	Less likely	Negligible
Habitat	Terrestrial	Abandoned kampong and/or plantation	Construction	Formation of edge effects	Indirect	Priority 2		Low	< 10% increase in P/A	Very Low	Possible	Considerable development (main entrance)	Minor		Low	Very Low	Possible	Minor
Habitat	Terrestrial	Grassland	Construction	Formation of edge effects	Indirect	Priority 2		Negligible	No change	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Scrubland	Construction	Formation of edge effects	Indirect	Priority 3	NA	Negligible	No change	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Farm	Construction	Formation of edge effects	Indirect	Priority 3		Negligible	No change	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Urban vegetation	Construction	Formation of edge effects	Indirect	Priority 3		Medium	10-40% increase in P/A	Very Low	Possible	Considerable development (main entrance)	Minor		Medium	Very Low	Possible	Minor
Habitat	Aquatic	Stream B1a	Construction	Formation of edge effects	Indirect	Priority 2		NA	NA	NA	NA	NA	Negligible		NA	NA	NA	Negligible
Habitat	Aquatic	Stream B2a	Construction	Formation of edge effects	Indirect	Priority 2		NA	NA	NA	NA	NA	Negligible		NA	NA	NA	Negligible
Habitat	Aquatic	Stream B2b	Construction	Formation of edge effects	Indirect	Priority 2		NA	NA	NA	NA	NA	Negligible		NA	NA	NA	Negligible
Habitat	Aquatic	Quarry Lake QB	Construction	Formation of edge effects	Indirect	Priority 2		NA	NA	NA	NA	NA	Negligible		NA	NA	NA	Negligible
Habitat	Terrestrial	Native-dominated secondary forest	Operational	Habitat degradation	Indirect	Priority 1		Medium	17.7% (1.40 ha)	Medium	Less likely	Reconfiguration of activity spaces to consolidate peripheral spaces to the plaza area will reduce human access to the habitat	Minor	> Put up signages to remind visitors not to litter or pollute the habitats > Carry out regular maintenance of the park (e.g., removal of litter, emptying of trash, ensure integrity of railings along trails and boardwalks > Conduct regular patrols to deter visitors from straying off-trail	Medium	Medium	Less likely	Minor
Habitat	Terrestrial	Ionized kampong and/or plantation with native recu	Operational	Habitat degradation	Indirect	Priority 2		Medium	10.0% (1.18 ha)	Low	Possible	Trail (people can still stray off track)	Minor		Medium	Low	Less likely	Minor
Habitat	Terrestrial	Abandoned kampong and/or plantation	Operational	Habitat degradation	Indirect	Priority 2		Low	4.4% (0.81 ha)	Very Low	Possible	Trail (people can still stray off track)	Minor		Medium	Very Low	Less likely	Negligible
Habitat	Terrestrial	Grassland	Operational	Habitat degradation	Indirect	Priority 2	Avoid fogging	Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Scrubland	Operational	Habitat degradation	Indirect	Priority 3		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Farm	Operational	Habitat degradation	Indirect	Priority 3		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Urban vegetation	Operational	Habitat degradation	Indirect	Priority 3		Medium	36.3% (2.03 ha)	Very Low	Possible	Trail (people can still stray off track)	Minor		Medium	Very Low	Less likely	Negligible
Habitat	Aquatic	Stream B1a	Operational	Habitat degradation	Indirect	Priority 2		Low	Some reduction in surface water quality	Very Low	Possible	Trail (people can still stray off track), albeit surface runoff controlled and littering not expected	Minor		Low	Very Low	Less likely	Negligible
Habitat	Aquatic	Stream B2a	Operational	Habitat degradation	Indirect	Priority 2		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Aquatic	Stream B2b	Operational	Habitat degradation	Indirect	Priority 2		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QB	Operational	Habitat degradation	Indirect	Priority 2		Low	Some reduction in surface water quality	Very Low	Less likely	Boardwalk with railing, surface runoff controlled and littering not expected	Negligible		Low	Very Low	Less likely	Negligible
Habitat	Terrestrial	Native-dominated secondary forest	Operational	Changes in microclimatic conditions	Indirect	Priority 1		Medium	17.7% (1.40 ha)	Medium	Unlikely	Development is largely green	Negligible		Medium	Medium	Unlikely	Negligible
Habitat	Terrestrial	Ionized kampong and/or plantation with native recu	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Medium	10.0% (1.18 ha)	Low	Unlikely	Development is largely green	Negligible		Medium	Very Low	Unlikely	Negligible
Habitat	Terrestrial	Abandoned kampong and/or plantation	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Low	4.4% (0.81 ha)	Very Low	Unlikely	Development is largely green	Negligible		Medium	Low	Unlikely	Negligible
Habitat	Terrestrial	Grassland	Operational	Changes in microclimatic conditions	Indirect	Priority 2	Ensure noise levels within approved limits, ensure dust levels within approved limits	Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Scrubland	Operational	Changes in microclimatic conditions	Indirect	Priority 3		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Farm	Operational	Changes in microclimatic conditions	Indirect	Priority 3		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Terrestrial	Urban vegetation	Operational	Changes in microclimatic conditions	Indirect	Priority 3		Medium	36.3% (2.03 ha)	Very Low	Unlikely	Development is largely green	Negligible		Medium	Very Low	Unlikely	Negligible
Habitat	Aquatic	Stream B1a	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Low	6.7% (0.01 ha, but concretised)	Very Low	Unlikely	Development is largely green	Negligible		Low	Very Low	Unlikely	Negligible
Habitat	Aquatic	Stream B2a	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Aquatic	Stream B2b	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Negligible	No overlap	Imperceptible	Unlikely	No development	Negligible		Negligible	Imperceptible	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QB	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Low	2.30% (0.03 ha)	Very Low	Unlikely	Development is largely green	Negligible		Low	Very Low	Unlikely	Negligible
Habitat	Terrestrial	Native-dominated secondary forest	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 1		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Habitat	Terrestrial	Ionized kampong and/or plantation with native recu	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Habitat	Terrestrial	Abandoned kampong and/or plantation	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Habitat	Terrestrial	Grassland	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Habitat	Terrestrial	Scrubland	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 3		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Habitat	Terrestrial	Farm	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 3	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Habitat	Terrestrial	Urban vegetation	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 3		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA
Habitat	Aquatic	Stream B1a	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		Medium	Change balance of native vs exotic	Low	Less likely	Already accessible to public	Minor		Medium	Low	Less likely	Minor
Habitat	Aquatic	Stream B2a	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		Medium	Change balance of native vs exotic	Low	Less likely	No development	Minor		Medium	Low	Less likely	Minor
Habitat	Aquatic	Stream B2b	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		High	Detrimental to native-dominated habitat	Medium	Less likely	No development	Minor		High	Medium	Less likely	Minor
Habitat	Aquatic	Quarry Lake QB	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		Low	Some impact to exotic-dominated habitat	Very Low	Certain	For members of public to visit, accessible to public	Minor		Low	Very Low	Certain	Minor

**APPENDIX 9**  
**IMPACT ASSESSMENT ON HABITATS AT BBNP [AREA B1 (WEST OF**  
**LORONG SESUAI)], B2, B3, B4, C1, C2**

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Andidesma coriaceum</i>	Construction	Decline in plant health	High	High	All specimens (1 specimen) affected indirectly by slope stabilisation works	High	Likely	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Major	<ul style="list-style-type: none"> <li>&gt; Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions</li> <li>&gt; Conduct regular inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Adjust design footprint to ensure Priority 1 plant species are not within the impact zones</li> <li>&gt; Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> </ul>	High	High	Possible	Moderate
Flora	Direct	<i>Camposperma auriculatum</i>	Construction	Mortality	High	Negligible	6/51 (<10%) specimen affected directly by development of boardwalk, trails and slope stabilization works	Very Low	Certain	Specimen located on the proposed footprint of worksite		Minor	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	No change	No change	No change	Minor
Flora	Direct	<i>Strombosia javanica</i>	Construction	Mortality	High	Negligible	6/168 (<10%) specimen affected directly by development of boardwalk, trails and slope stabilization works	Very Low	Certain	Specimen located on the proposed footprint of worksite		Minor	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	No change	No change	No change	Minor
Flora	Direct	<i>Canthiumera robusta</i>	Construction	Mortality	High	High	All specimens (only 1 recorded across entire Study Area) affected directly by slope stabilization	High	Certain	Specimen located on the proposed footprint of worksite		Major	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible
Flora	Indirect	<i>Aporosa benthamiana</i>	Construction	Decline in plant health	High	Low	19/128 specimens affected indirectly by development	Low	Less likely	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Minor	<ul style="list-style-type: none"> <li>&gt; Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions</li> <li>&gt; Conduct regular inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Adjust design footprint to ensure Priority 1 plant species are not within the impact zones</li> <li>&gt; Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> </ul>	No change	No change	No change	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Clerodendrum villosum</i>	Construction	Decline in plant health	High	Low	3/18 specimens affected indirectly by development of boardwalk/trails, stream edge enhancement and slope stabilisation works respectively	Low	Less likely	Formation of some forest edges in a mix of forested, scrubland, and urban vegetation areas; plant specimens previously in forested areas now exposed to some edge habitats and changes to hydrology	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Guioa pubescens</i>	Construction	Decline in plant health	High	Low	6/56 specimen affected indirectly by development of boardwalk/trails near edge of quarry and slope stabilisation works	Low	Less likely	Formation of some forest edges in a mix of forested, scrubland, and urban vegetation areas; plant specimens previously in forested areas now exposed to some edge habitats	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Strombosia javanica</i>	Construction	Decline in plant health	High	Low	29/162 specimens affected indirectly by all types of development except the main entrance	Low	Less likely	Formation of some forest edges in a mix of forested, scrubland, and urban vegetation areas; plant specimens previously in forested areas now exposed to some edge habitats and changes to hydrology	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Dialium platysepalum</i>	Construction	Decline in plant health	High	Medium	4/7 specimens affected indirectly by development of boardwalk/trails	Medium	Less likely	Formation of some forest edges in a mix of forested, scrubland, and urban vegetation areas; plant specimens previously in forested areas now exposed to some edge habitats (for specimens affected by development of raingarden)	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Lindera lucida</i>	Construction	Decline in plant health	High	Negligible	1/34 (<10%) specimen affected by slope stabilisation works	Very Low	Possible	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Low	Very Low	No change	Minor
Flora	Indirect	<i>Tetracera fragifolia</i> var. <i>borneensis</i>	Construction	Decline in plant health	High	Negligible	1/24 (<10%) specimen affected indirectly by slope stabilisation works	Very Low	Possible	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Low	Very Low	Possible	Minor
Flora	Indirect	<i>Canarium patentinervium</i>	Construction	Decline in plant health	High	High	1 specimen (the only specimen on site) will be indirectly affected by the development of boardwalk/trail	High	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Cratogeomys formosum</i>	Construction	Decline in plant health	High	High	1 specimen (the only specimen on site) will be indirectly affected by the development of boardwalk/trail	High	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Elaeocarpus ferrugineus</i> ssp. <i>ferrugineus</i>	Construction	Decline in plant health	High	High	1 specimen (the only specimen on site) will be indirectly affected by the development of boardwalk/trail	High	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Ficus cf. rumphii</i>	Construction	Decline in plant health	High	High	1 specimen (the only specimen on site) will be indirectly affected by the development of main entrance	High	Not Expected to Occur	Developments will be done at existing built-up area.	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Gnetum cf. microcarpum</i>	Construction	Decline in plant health	High	High	1 specimen (the only specimen on site) will be indirectly affected by the development of boardwalk/trail	High	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Salacia cf. korthalsiana</i>	Construction	Decline in plant health	High	High	1 specimen (the only specimen on site) will be indirectly affected by the development of plaza	High	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Ziziphus elegans</i>	Construction	Decline in plant health	High	Medium	1/2 specimens affected indirectly by boardwalk/trail	Medium	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Bambusa vulgaris</i>	Construction	Decline in plant health	High	Low	1/4 large bamboo specimens indirectly affected by development of main entrance	Low	Possible	Formation of some forest edges in a mix of forested, scrubland, and urban vegetation areas; plant specimens previously in forested areas now exposed to some edge habitats	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Anodendron candolleianum</i>	Construction	Decline in plant health	High	Low	1/3 specimens affected indirectly by slope stabilisation works	Low	Likely	Formation of some forest edges in some forested area; plant specimens previously in forested areas now exposed to some edge habitats from slope stabilisation works	Implement soil erosion control measures	Moderate	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Low	Low	Possible	Minor
Flora	Indirect	<i>Beilschmiedia madang</i>	Construction	Decline in plant health	High	Low	1/10 specimens affected indirectly by slope stabilisation works	Low	Likely	Formation of some forest edges in forested area; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Moderate	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Low	Low	Possible	Minor
Flora	Indirect	<i>Calophyllum tetrapterum</i>	Construction	Decline in plant health	High	Low	1/7 specimen indirectly affected by slope stabilisation works	Low	Likely	Formation of some forest edges in forested area; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Moderate	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Low	Low	Possible	Minor
Flora	Indirect	<i>Dasymaschalon dasymaschalon</i>	Construction	Decline in plant health	High	Low	1/4 specimen indirectly affected by slope stabilisation works	Low	Likely	Formation of some forest edges in forested area; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Moderate	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Low	Low	Possible	Minor
Flora	Indirect	<i>Dibridsonia cf. conferta</i>	Construction	Decline in plant health	High	Low	1/4 specimen indirectly affected by slope stabilisation works	Low	Likely	Formation of some forest edges in forested area; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Moderate	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Low	Low	Possible	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Ficus vasculosa</i>	Construction	Decline in plant health	High	Low	1/7 indirectly affected by slope stabilisation works	Low	Likely	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Moderate	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Low	Low	Possible	Minor
Flora	Indirect	<i>Agelaea macrophylla</i>	Construction	Decline in plant health	High	Low	3/29 specimens affected indirectly by slope stabilisation works	Low	Possible	Formation of some forest edges in some forested areas; plant specimens previously in forested areas now exposed to some edge habitats from slope stabilisation works	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Hetaeria oblongifolia</i>	Construction	Decline in plant health	High	Low	1/7 will be indirectly affected by the slope stabilisation works	Low	Likely	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Moderate	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Low	Low	Possible	Minor
Flora	Indirect	<i>Aidia densiflora</i>	Construction	Decline in plant health	High	Low	4/17 specimens indirectly affected by development of boardwalk/trail, plaza and slope stabilisation works	Low	Possible	Formation of some forest edges in some forested areas; plant specimens previously in forested areas now exposed to some edge habitats from slope stabilisation works	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Knema communis</i>	Construction	Decline in plant health	High	Low	3/10 specimens affected by slope stabilization	Low	Likely	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Moderate	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Low	Low	Possible	Minor
Flora	Indirect	<i>Garcinia forbesii</i>	Construction	Decline in plant health	High	Low	3/9 specimen will be indirectly affected by the development of boardwalk/trails and slope stabilisation works	Low	Possible	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Horsfieldia polysperula</i> var. <i>polysperula</i>	Construction	Decline in plant health	High	Low	2/15 specimens affected by development of boardwalk, trails and slope stabilisation works	Low	Possible	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Oncosperma tigillarum</i>	Construction	Decline in plant health	High	Low	2/20 specimens affected indirectly by development of play area area and slope stabilisation works	Low	Possible	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Minor	<ul style="list-style-type: none"> <li>&gt; Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions</li> <li>&gt; conduct regular inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Adjust design footprint to ensure Priority 1 plant species are not within the impact zones</li> <li>&gt; Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> </ul>	No change	No change	No change	Minor
Flora	Indirect	<i>Xanthophyllum vitellinum</i>	Construction	Decline in plant health	High	Low	2/7 specimens affected by the development slope stabilisation works	Low	Possible	Developments will be done at existing built up areas	Implement soil erosion control measures	Minor	<ul style="list-style-type: none"> <li>&gt; Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions</li> <li>&gt; conduct regular inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Adjust design footprint to ensure Priority 1 plant species are not within the impact zones</li> <li>&gt; Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> </ul>	No change	No change	No change	Minor
Flora	Indirect	<i>Xylopia malayana</i> var. <i>malayana</i>	Construction	Decline in plant health	High	Low	1/5 specimen affected indirectly by slope stabilisation works	Low	Likely	Formation of some forest edges in forested areas; plant specimens previously in forested areas now exposed to new edge habitats from slope stabilisation works	Implement soil erosion control measures	Moderate	<ul style="list-style-type: none"> <li>&gt; Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions</li> <li>&gt; conduct regular inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Adjust design footprint to ensure Priority 1 plant species are not within the impact zones</li> <li>&gt; Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> </ul>	Low	Low	Possible	Minor
Flora	Direct	<i>Oxyceros cf. bispinosus</i>	Construction	Mortality	High	High	All specimens (only 1 recorded across entire Study Area) affected directly by slope stabilization	High	Certain	Specimen located on the proposed footprint of worksite		Major	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible
Flora	Direct	<i>Strophanthus caudatus</i>	Construction	Mortality	High	High	1 specimen (the only specimen on site) will be indirectly affected by the slope stabilization works	High	Certain	Specimen located on the proposed footprint of worksite		Major	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Direct	<i>Aidia densiflora</i>	Construction	Mortality	High	Low	3/20 specimens directly affected by slope stabilisation works	Low	Certain	Specimens located on the proposed footprint of worksite		Moderate	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plan species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible
Flora	Direct	<i>Bambusa vulgaris</i>	Construction	Mortality	High	Low	2/5 large bamboo specimens directly affected by slope stabilisation works	Low	Certain	Specimen located on the proposed footprint of worksite		Moderate	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plan species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	No change	No change	No change	Moderate
Flora	Direct	<i>Aporosa benthamiana</i>	Construction	Mortality	High	Negligible	1/129 (<10%) specimens affected by development of boardwalk and trails	Very Low	Certain	Specimen located on the proposed footprint of worksite		Minor	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plan species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible
Flora	Direct	<i>Aspidopterys concava</i>	Construction	Mortality	High	Negligible	1/30 (<10%) specimens affected by development of boardwalk and trails	Very Low	Certain	Specimen located on the proposed footprint of worksite		Minor	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plan species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible



Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Direct	<i>Goniophlebium percussum</i>	Construction	Mortality	High	Negligible	1/11 (<10%) specimen affected directly by development of stream edge enhancement	Very Low	Certain	Specimen located on the proposed footprint of worksite		Minor	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plan species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible
Flora	Direct	<i>Guioa pubescens</i>	Construction	Mortality	High	Negligible	3/59 specimens directly affected by development of boardwalk, trails and slope stabilization works	Very Low	Certain	Specimens located on the proposed footprint of worksite		Minor	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plan species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible
Flora	Direct	<i>Horsfieldia polyspherula</i> var. <i>polyspherula</i>	Construction	Mortality	High	Negligible	1/16 (<10%) specimens affected by slope stabilization	Very Low	Certain	Specimen located on the proposed footprint of worksite		Minor	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plan species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible
Flora	Direct	<i>Sandoricum koeljape</i>	Construction	Mortality	High	Low	1/3 specimens affected by development of the main entrance	Low	Certain	Specimen located on the proposed footprint of worksite		Moderate	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plan species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Direct	<i>Macaranga griffithiana</i>	Construction	Mortality	High	Negligible	2/37 (<10%) specimens affected directly by development of stream enhancement and boardwalk and trails	Very Low	Certain	Specimens located on the proposed footprint of worksite		Minor	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible
Flora	Direct	<i>Tetracera foliolosa var. borneensis</i>	Construction	Mortality	High	Negligible	1/25 (<10%) specimens affected directly by slope stabilization works	Very Low	Certain	No specimen will be affected by impact of mortality		Minor	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not Expected to Occur	Negligible
Flora	Indirect	<i>Adinandra dumosa</i>	Construction	Decline in plant health	High	Low	14 specimen affected indirectly by development of plaza and play area area	Low	Not Expected to Occur	Developments will be done at existing built-up area. No trees will be cleared during construction.	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Aglaia tomentosa ssp. cordata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Alangium griffithii</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Anaxagorea javanica</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Angelesia splendens</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Antidesma velutinsum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Aporosa cf. lucida var. lucida</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Aporosa frutescens</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Archidendron clypearia</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Aspidopterys concava</i>	Construction	Decline in plant health	High	Negligible	1/29 (<10%) specimens affected indirectly by development of boardwalk/trail plaza	Very Low	Not Expected to Occur	Developments will be done at existing pathway areas.	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Baccaurea polyneura</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Bambusa bambos</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Bambusa heterostachya</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Breynia discigera</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Calophyllum ferrugineum var. ferrugineum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Calophyllum pulcherrimum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Calophyllum teysmannii</i> var. <i>teysmannii</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Camposperma auriculatum</i>	Construction	Decline in plant health	High	Negligible	2/50 (<10%) trees indirectly affected by development of boardwalk/trail	Very Low	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Causonis japonica</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Chorenorpha fragrans</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Cryptocarya griffithiana</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Dacryodes cf. costata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Diplazium cf. phanerotis</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Drepananthus cf. ridleyi</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Durio singaporensis</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Elaeocarpus mastersii</i>	Construction	Decline in plant health	High	Negligible	1/6 (<10%) specimen affected indirectly by development of boardwalk/trail	Very Low	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Elaeocarpus nitidus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Elaeocarpus obtusus</i> ssp. <i>apiculatus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Elaeocarpus pedunculatus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Elaeocarpus petiolatus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Endospermum diadenum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Entada spiralis</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus benghalensis</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus caulocarpa</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus elastica</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus microcarpa</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus sagittata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus variegata</i>	Construction	Decline in plant health	High	Low	2/6 large specimen of this species will be indirectly affected by development of main plaza	Low	Not Expected to Occur	Developments will be done at existing built up area	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus villosa</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Garcinia cf. griffithii</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Gluta cf. wallichii</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Goniophlebium percussum</i>	Construction	Decline in plant health	High	Negligible	2/10 (<10%) specimens affected indirectly by development of main plaza and play area area	Low	Not Expected to Occur	Developments will be done at existing built up area	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Guioa pleuropteris</i>	Construction	Decline in plant health	High	Low	2/6 specimens affected indirectly by the development of boardwalk/trail	Low	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Gymnacantha farquhariana var. eugenifolia</i>	Construction	Decline in plant health	High	Low	1/9 specimen affected indirectly by development of main plaza	Low	Not Expected to Occur	Developments will be done at existing built up area	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Gynochthodes rigida</i>	Construction	Decline in plant health	High	Negligible	8/159 (<10%) specimen affected indirectly by development of main plaza as well as boardwalk and trails	Low	Not Expected to Occur	Developments will be done at existing built up area	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Knema intermedia</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Knema malayana</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Limacia scandens</i>	Construction	Decline in plant health	High	Low	2/7 specimens affected indirectly by development of boardwalk/trails	Low	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Litsea accedens</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Litsea grandis</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Litsea umbellata</i>	Construction	Decline in plant health	High	Negligible	5/33 (<10%) specimens affected indirectly by development of boardwalk/trail	Low	Not Expected to Occur	Developments will be done at existing pathway area.	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Lomariopsis lineata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Macaranga griffithiana</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Macaranga hulletii</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Maesa sumatrana</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Melicope lunu-ankenda</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Merrecylon cf. garcinoides</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Monocarpia maingayi</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Morinda elliptica</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Neolitsea cassia</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Nothaphoebe umbelliflora</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Oxyceros longiflorus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Parishia insignis</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Pellacalyx saccardianus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Piper ramipilum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Polyspora singaporeana</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Papowia fusca</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Psychotria ovoidea</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Pternandra echinata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Rhodamnia cinerea</i>	Construction	Decline in plant health	High	Low	2/9 specimens affected indirectly by development of main entrance and boardwalk/trails	Low	Not Expected to Occur	Developments will be done at existing built up areas	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Rubus moluccanus var. angulosus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Sandoricum koelipae</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Santiria apiculata var. apiculata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Santiria cf. rubiginosa var. rubiginosa</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Sterculia cf. coccinea</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Symplocos fasciculata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Tectaria semipinnata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Tetracera cf. akara</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Tetracera macrophylla</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Timonius wallichianus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Uncaria cordata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Uncaria longiflora var. pteropoda</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ziziphus calophylla</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Adinandra dumosa</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Agelaea macrophylla</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Aglaia tomentosa ssp. cordata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Alangium griffithii</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Anaxagorea javanica</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Anglesia splendens</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Anodendron candolleianum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Antidesma coriaceum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Antidesma velutinoseum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Aporosa cf. lucida var. lucida</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Aporosa frutescens</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Archidendron clypearia</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Baccaurea polyneura</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Bambusa bambos</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Bambusa heterostachya</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible



Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Direct	<i>Litsea umbellata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Lomaiopsis lineata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Macaranga hullettii</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Mesea sumatana</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Melicope lunu-ankenda</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Memecylon cf. garcinoides</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Monocarpia maingayi</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Morinda elliptica</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Neolisea casia</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Nothaphoebe umbelliflora</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Oncosperma tigillarum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Oxyceros longiflorus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Parishia insignis</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Pellacalyx saccardianus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Piper ramplium</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Polyspora singaporeana</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Popowia fusca</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Psychotria ovoides</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Pterandra cinerata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Rhodamnia cinerea</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Rubus moluccanus var. angulosus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Salacia cf. korthalsiana</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Santiria apiculata var. apiculata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Santiria cf. rubiginosa var. rubiginosa</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Sterculia cf. coccinea</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Symlocos fasciculata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Tectaria semipinnata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Tetracera cf. akara</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Tetracera macrophylla</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Timonius wallichianus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Uncaria cordata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Uncaria longiflora var. pteropoda</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Xanthophyllum vitellinum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Xylopia malayana var. malayana</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Ziziphus calophylla</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Direct	<i>Ziziphus elegans</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Canthiumera robusta</i>	Construction	Decline in plant health	High		Assuming the only specimen has been cleared during construction phase										
Flora	Indirect	<i>Oxyceros cf. bispinosus</i>	Construction	Decline in plant health	High		Assuming the only specimen has been cleared during construction phase										
Flora	Indirect	<i>Strophanthus caudatus</i>	Construction	Decline in plant health	High		Assuming the only specimen has been cleared during construction phase										
Flora	Indirect	<i>Heteraria oblongifolia</i>	Operational	Poaching	High	High	Many specimens of this species could get stolen as plant possesses charismatic properties (orchid flowers but only obvious when its flowering)	High	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Agelaea macrophylla</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Aglaia tomentosa ssp. cordata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Aida densiflora</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Anaxagorea javanica</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Angelesia splendens</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Aspidopterys concava</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Beilschmiedia madang</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Breynia discigera</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Calophyllum tetrapterum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Causonis japonica</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Chonemorpha fragrans</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Clerodendrum villosum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Cryptocarya griffithiana</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Dasymaschalon dasymaschalum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Dialium platysepalum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Dibrietsonia cf. conferta</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Drepananthus cf. ridleyi</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Elaeocarpus mastersii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are spread out, and accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Elaeocarpus nitidus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Elaeocarpus pedunculatus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Elaeocarpus petiolatus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor



Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Entada spiralis</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Ficus sagittata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Ficus vasculosa</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Garcinia cf. griffithii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Garcinia forbesii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Goniophlebium percussum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are spread out, and accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Guioa pleuropteris</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Guioa pubescens</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Gynochthodes rigida</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Horsfieldia polyspherula</i> var. <i>polyspherula</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Knema communis</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Knema intermedia</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Limacia scandens</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Litsea umbellata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Macaranga griffithiana</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Macaranga hulletii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Maesa sumatrana</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Melicope lunu-ankenda</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Memecylon cf. garcinoides</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Monocarpia maingayi</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Morinda elliptica</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Nothaphoebe umbelliflora</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Oncosperma ligillarum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Oxyceros longiflorus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Parishia insignis</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Pellacalyx saccardianus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Piper ramipilum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Polyspora singaporeana</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Popowia fusca</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Psychotria ovoidea</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Pternandra echinata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Rubus moluccanus var. angulosus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Santiria apiculata var. apiculata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Strombosia javanica</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Symplocos fasciculata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Tectaria semipinnata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Tetracera cf. akara</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Tetracera flagfolia var. borneensis</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Tetracera macrophylla</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Uncaria cordata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Uncaria longiflora</i> var. <i>pteropoda</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Xanthophyllum vitellinum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Xylopia malayana</i> var. <i>malayana</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Lindera lucida</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		Low	Low	No change	Minor
Flora	Indirect	<i>Aporosa benthamiana</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	No change	No change	No change	Minor
Flora	Indirect	<i>Aporosa cf. lucida</i> var. <i>lucida</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	No change	No change	No change	Minor
Flora	Indirect	<i>Aporosa frutescens</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	No change	No change	No change	Minor
Flora	Indirect	<i>Archidendron clypearia</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	No change	No change	No change	Minor
Flora	Indirect	<i>Cratoxylum formosum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	No change	No change	No change	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Dacryodes cf. costata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	No change	No change	No change	Minor
Flora	Indirect	<i>Gymnacranthera farquhariana var. eugenifolia</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	No change	No change	No change	Minor
Flora	Indirect	<i>Litsea grandis</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	No change	No change	No change	Minor
Flora	Indirect	<i>Neolitsea cassia</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	No change	No change	No change	Minor
Flora	Indirect	<i>Sandoricum koetjape</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	No change	No change	No change	Minor
Flora	Direct	<i>Durio singaporensis</i>	Operational	Poaching	High	Medium	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Medium	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	Low	Low	Less likely	Minor
Flora	Indirect	<i>Bambusa bambos</i>	Operational	Poaching	High	Medium	Some plant specimens of this species could get stolen (i.e., plant species with ethnobotanical value)	Medium	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Bambusa heterostachya</i>	Operational	Poaching	High	Medium	Some plant specimens of this species could get stolen (i.e., plant species with ethnobotanical value)	Medium	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor
Flora	Indirect	<i>Bambusa vulgaris</i>	Operational	Poaching	High	Medium	Some plant specimens of this species could get stolen (i.e., plant species with ethnobotanical value)	Medium	Less likely	Specimens are clustered/spread out, and are accessible to members of public		Minor		No change	No change	No change	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Alangium griffithii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Anodendron candolleianum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Antidesma coriaceum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Antidesma velutinsum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Baccaurea polyneura</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Calophyllum ferrugineum var. ferrugineum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Calophyllum pulcherrimum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Calophyllum teysmannii</i> var. <i>teysmannii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Canarium patentinervium</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Diplazium cf. phanerotis</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Elaeocarpus ferrugineus</i> ssp. <i>ferrugineus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Elaeocarpus obtusus</i> ssp. <i>apiculatus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Ficus villosa</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Gluta cf. wallichii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Gnetum cf. microcarpum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Krema malayana</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Litsea acedens</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Lomariopsis lineata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Salacia cf. korthalsiana</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Santiria cf. rubiginosa var. rubiginosa</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor
Flora	Indirect	<i>Sterculia cf. coccinea</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	<ul style="list-style-type: none"> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Put up signages to remind visitors not to stray off-trail</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> <li>&gt; Conduct regular patrols to deter poaching activities</li> <li>&gt; Transplant specimens of conservation significance away from publicly accessible areas</li> </ul>	Low	Low	Less likely	Minor

Appendix 9 - Impact Assessment on Plants at BBNP [Area B1 (West of Lorong Sesuai), B2, B3, B4, C1, C2]

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Ziziphus calophylla</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	Low	Low	Less likely	Minor
Flora	Indirect	<i>Ziziphus elegans</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Less likely	BBNP already accessible to public		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Put up signages to remind visitors not to stray off-trail > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular patrols to deter poaching activities > Transplant specimens of conservation significance away from publicly accessible areas	Low	Low	Less likely	Minor
Flora	Indirect	<i>Adinandra dumosa</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are spread out, and accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Camposperma auriculatum</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are clustered/spread out, and are accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Endospermum diadenum</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are clustered/spread out, and are accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus benghalensis</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are clustered/spread out, and are accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus caulocarpa</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are clustered/spread out, and are accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus cf. rumphii</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are clustered/spread out, and are accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus elastica</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are clustered/spread out, and are accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus microcarpa</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are clustered/spread out, and are accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus variegata</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are clustered/spread out, and are accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Rhodamnia cinerea</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are spread out, and accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Timonius wallichianus</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Not Expected to Occur	Specimens are spread out, and accessible to members of public		Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Canthiumera robusta</i>	Operational	Poaching	High	High	has been cleared during construction phase										
Flora	Indirect	<i>Oxyceros cf. bispinosus</i>	Operational	Poaching	High	High	has been cleared during construction phase										
Flora	Indirect	<i>Strophanthus caudatus</i>	Operational	Poaching	High	High	has been cleared during construction phase										



## **APPENDIX 10**

### **IMPACT ASSESSMENT ON PLANTS AT BBTP (AREA D)**

Receptor Type	Type	Receptor	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Abrodictyum obscurum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Actinostachys digitata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Agelaea macrophylla</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Aglaia tomentosa ssp. cordata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Aidia densiflora</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ampelocissus ascendiflora</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ampelocissus gracilis</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Arundina graminifolia</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Aspidopterys concava</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Bambusa heterostachya</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Bambusa vulgaris</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Boeua oppositifolia</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Brachypterum scandens</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Breynia discigera</i>	Construction	Decline in plant health	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Calamus cf. melanochaetes</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Calophyllum tetrapterum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Canarium pilosum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Capparis micracantha</i> subsp. <i>korthalsiana</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Cephalomanes javanicum</i> var. <i>javanicum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Chassalia curviflora</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Connarus semidecandrus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Cratoxylum formosum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Curculigo capitulata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible		No change	No change	No change	Negligible



Flora	Indirect	<i>Melicope lunu-ankenda</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Morinda elliptica</i>	Construction	Decline in plant health	High	High	Only 1 specimen (only specimen recorded) affected indirectly by development of main entrance	High	Less likely	Formation of forest edges in forested area; plant specimens previously in forested areas now exposed to new edge habitats	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP	No change	No change	No change	Minor
Flora	Indirect	<i>Nepenthes rafflesiana</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Nervilia singaporensis</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Oncosperma tigillarum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Oxyceros bispinosus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Oxyceros longiflorus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Pandanus houletii</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Pellacalyx saccardianus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Phaeanthus intermedius</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Phytocrene bracteata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Piper cf. ribesoides</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Piper ramipilum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Psychotria maingayi</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Psychotria ovoidea</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Psychotria polycarpa</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Ptemandra coerulescens</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Radermachera quadripinnata ssp. lobbii</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Rourea mimosoides</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Rourea minor</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Rubus moluccanus var. moluccanus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Sandoricum koetjape</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Not Expected to Occur	No specimen will lie within impact zones of proposed constructions	Implement soil erosion control measures	Negligible	No change	No change	No change	Negligible	



Flora	Direct	<i>Glochidion zeylanicum var. zeylanicum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Guioa pleuropteris</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Gynochthodes rigida</i>	Construction	Mortality	High	Low	No specimen affected directly by development	Low	Certain	No specimen will be affected by impact of mortality	NIL	Negligible	Negligible	No change	No change	Negligible
Flora	Direct	<i>Heritiera elata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Horsfieldia polyspherula var. polyspherula</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Litsea cf. castanea</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Litsea grandis</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Litsea umbellata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Lomariopsis lineata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Macaranga griffithiana</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Macaranga hullettii</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Mapania cuspidata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Melicope lunu-ankenda</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Morinda elliptica</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Nepenthes rafflesiana</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Nervilia singaporensis</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Low	Certain	No specimen will be affected by impact of mortality	NIL	Negligible	Negligible	No change	No change	Negligible
Flora	Direct	<i>Oncosperma tigillarum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Low	Certain	No specimen will be affected by impact of mortality	NIL	Negligible	Negligible	No change	No change	Negligible
Flora	Direct	<i>Oxyceros bispinosus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Oxyceros longiflorus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Pandanus houlletii</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Pellacalyx saccardianus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Phaeanthus intermedius</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Phytocrene bracteata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Piper cf. ribesoides</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Piper ramipilum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Psychotria maingayi</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Psychotria ovoidea</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Psychotria polycarpa</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Pternandra coerulescens</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Radermachera quadripinnata ssp. lobbii</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Rourea mimosoides</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Rourea minor</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Rubus moluccanus var. moluccanus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Sandoricum koetjape</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Strophanthus caudatus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Tectaria semipinnata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Teratophyllum ludens</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Tetracera fagifolia var. borneensis</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Uncaria cf. elliptica</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Uncaria cordata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Ziziphus elegans</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not Expected to Occur	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible

Flora	Indirect	<i>Bambusa heterostachya</i>	Operational	Poaching	High	Medium	Some plant specimens of this species could get stolen (i.e., have charismatic and/or ethnobotanical value)	Medium	Not Expected to Occur	Specimen is too large to be poached	NIL	Minor	•Design the boardwalks and trails to deter visitors from trampling/ venturing off-trail (e.g., install railings) •Put up signages to remind visitors not to stray off-trail •Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	No change	No change	No change	Minor
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Flora	Indirect	<i>Bambusa vulgaris</i>	Operational	Poaching	High	Medium	Some plant specimens of this species could get stolen (i.e., have charismatic and/or ethnobotanical value)	Medium	Not Expected to Occur	Specimen is too large to be poached	NIL	Minor	<ul style="list-style-type: none"> <li>•Design the boardwalks and trails to deter visitors from trampling/ venturing off-trail (e.g., install railings)</li> <li>•Put up signages to remind visitors not to stray off-trail</li> <li>•Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	No change	No change	No change	Minor
Flora	Indirect	<i>Guioa pleuropteris</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Nepenthes rafflesiana</i>	Operational	Poaching	High	High	Most plant specimens of this species could get stolen (i.e., orchids, pitcher plants), and are of small to medium sizes, which can be removed	High	Not Expected to Occur	Only specimen recorded on site, and are not accessible to members of public	NIL	Minor	<ul style="list-style-type: none"> <li>•Design the boardwalks and trails to deter visitors from trampling/ venturing off-trail (e.g., install railings)</li> <li>•Put up signages to remind visitors not to stray off-trail</li> <li>•Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	No change	No change	No change	Minor
Flora	Indirect	<i>Arundina graminifolia</i>	Operational	Poaching	High	High	Most plant specimens of this species could get stolen (i.e., orchids, pitcher plants), and are of small to medium sizes, which can be removed	High	Not Expected to Occur	Only specimen recorded on site, and are not accessible to members of public	NIL	Minor	<ul style="list-style-type: none"> <li>•Design the boardwalks and trails to deter visitors from trampling/ venturing off-trail (e.g., install railings)</li> <li>•Put up signages to remind visitors not to stray off-trail</li> <li>•Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	No change	No change	No change	Minor
Flora	Indirect	<i>Abrodictyum obscurum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Actinostachys digitata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Agelaea macrophylla</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Aidia densiflora</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Aspidopterys concava</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Breynia discigera</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Cephalomanes javanicum var. javanicum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Connarus semidecandrus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Curculigo capitulata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Cyrtococcum patens</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus sagittata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus vasculosa</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible
Flora	Indirect	<i>Garcinia cf. forbesii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible		No change	No change	No change	Negligible

Flora	Indirect	<i>Garcinia griffithii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Glochidion zeylanicum</i> var. <i>zeylanicum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Direct	<i>Gynochthodes rigida</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Horsfieldia polyspherula</i> var. <i>polyspherula</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Litsea cf. castanea</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Litsea grandis</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Litsea umbellata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Lomariopsis lineata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Macaranga griffithiana</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Macaranga hulletii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Mapania cuspidata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Melicope lunu-ankenda</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Oncosperma tigillarum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Oxyceros bispinosus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Oxyceros longiflorus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Pandanus houlletii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Pellacalyx saccardianus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Phytocrene bracteata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Piper cf. ribesoides</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible



Flora	Indirect	<i>Psychotria polycarpa</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Ptemandra coeruleascens</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Radermachera quadripinnata ssp. lobbii</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Rubus moluccanus var. moluccanus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Strophanthus caudatus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Teratophyllum ludens</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Tetracera fagifolia var. borneensis</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Uncaria cf. elliptica</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Uncaria cordata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Aglaiia tomentosa ssp. cordata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Ampelocissus ascendiflora</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Ampelocissus gracilis</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Brachypterum scandens</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Calamus cf. melanochaetes</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Calophyllum tetrapterum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Canarium pilosum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Capparis micracantha subsp. korthalsiana</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Chassalia curviflora</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Cratoxylum formosum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible

Flora	Indirect	<i>Diplazium tomentosum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Elaeocarpus ferrugineus ssp. ferrugineus</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus villosa</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Gardenia cf. subcarinata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Heritiera elata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Nervilia singaporensis</i>	Operational	Poaching	High	High	Most plant specimens of this species could get stolen (i.e., orchids, pitcher plants), and are of small to medium sizes, which can be removed	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Phaeanthus intermedius</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Piper ramipilum</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Psychotria maingayi</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Psychotria ovoidea</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Rourea mimosoides</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Rourea minor</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Tectaria semipinnata</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Ziziphus elegans</i>	Operational	Poaching	High	Low	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Low	Not Expected to Occur	Specimen is inaccessible	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Bouea oppositifolia</i>	Operational	Poaching	High	Negligible	No specimen can be stolen as the only record on site is a large specimen	Very Low	Not Expected to Occur	Specimen is too large to be poached	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus caulocarpa</i>	Operational	Poaching	High	Negligible	No specimen can be stolen as the only record on site is a large specimen	Very Low	Not Expected to Occur	Specimen is too large to be poached	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus variegata</i>	Operational	Poaching	High	Negligible	No specimen can be stolen as the only record on site is a large specimen	Very Low	Not Expected to Occur	Specimen is too large to be poached	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Morinda elliptica</i>	Operational	Poaching	High	Negligible	No specimen can be stolen as the only record on site is a large specimen	Very Low	Not Expected to Occur	Specimen is too large to be poached	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Sandoricum koetjape</i>	Operational	Poaching	High	Negligible	Few plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Not Expected to Occur	Specimen is too large to be poached	NIL	Negligible	No change	No change	No change	Negligible

## **APPENDIX 11**

### **IMPACT ASSESSMENT ON FAUNA AT BBTP (AREA D)**

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bat	No	<i>Chironomelus torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	Yes	<i>Eorycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Pantheropus lucas</i>	Dusky fruit bat	Least Concern	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened, CITES protected (Appendix II)	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Tyrotoricus fulvipes</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Unlikely	Impact is not expected to happen during construction/bamboo clusters do not overlap with impact zone	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		High	High	Unlikely	Negligible
Fauna	Bat	No	<i>Tyrotoricus malayanus</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Unlikely	Impact is not expected to happen during construction/bamboo clusters do not overlap with impact zone	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		High	High	Unlikely	Negligible
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Centris nellyi</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lasiosgossium seminassatum</i>	NA	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomada makayana</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Pakistapis niticatus</i>	NA	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual impact significance	
Fauna	Bird	No	<i>Brachyotus melanocephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible	
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible	
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible	
Fauna	Bird	No	<i>Chrysocolaptes xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible	
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible	
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern	CITES protected (Appendix II)	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible	
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible	
Fauna	Bird	No	<i>Cyanops brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible	
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible	
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-bellied flowerpecker	Least Concern	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible	

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C × E × R)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × I)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Haliyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Icthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened, CITES protected (Appendix II)	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Haliopais personatus</i>	Masked finfoot	Endangered	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Kalapa kalapu</i>	Buffy fish owl	Least Concern, CITES protected (Appendix I)	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Larus cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nettion coromandelianus</i>	Colton pygmy goose	Least Concern	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern, CITES protected (Appendix II)	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable, CITES protected (Appendix II)	Near Threatened	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Ptilinopus cyanurus</i>	Blue-rumped parrot	Near Threatened, CITES protected (Appendix II)	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is almost certain to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	Yes	<i>Myzomachus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Myzomachus zosterivorus</i>	Straw-headed bulbul	Critically Endangered, CITES protected (Appendix I)	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern, CITES protected (Appendix II)	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Strix selpeuto</i>	Spotted wood owl	Least Concern, CITES protected (Appendix II)	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Surniculus lagabiris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Sethi's white-eye	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Anomala blanda blanda</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Artopata amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Artopata arnuda arnuda</i>	Small tallish oakleaf	Not Assessed	Nationally Extinct	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible



Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Artipala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Artipala sithetensis adreia</i>	Syhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Asiopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Borbo cinara</i>	Fomosan swift	Not Assessed	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calvisia malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calypso ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Charaxes saron echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Discoptera sondaica disipolita</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Gargara libadua libadua</i>	Bandied redye	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Jamides allecto apoladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Mintis hyoleuca tarana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Low	Low	Unlikely	Negligible

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent outline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba padlockus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elidi</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nepitix harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Pachipta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helin	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Polyplote agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Pitanehus inachis tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Suaresia everyx everyx</i>	White pain bob	Not Assessed	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Tapeina thealtes bornea</i>	Dark fat	Not Assessed	Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Talotola coloratipes</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common bridling	Not Assessed; CITES protected (Appendix II)	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Bufo melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Oligodon signatus</i>	Banded kukri snake	Least Concern	Endangered	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix I)	Vulnerable	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Phyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Sternopygia melanoccephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor
Fauna	Non-marine turtle	No	<i>Amoia cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Stream is far away from the trails	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No right works (except security-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Non-marine turtle	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor		
Fauna	Non-volant mammal	Yes	<i>Galopertus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor		
Fauna	Non-volant mammal	Yes	<i>Myms horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	Construction	Accidental injury or mortality	High	Medium	Species that are mobile but possible susceptible to accidental injury/mortality from construction activities	Medium	Less Likely	Not known to happen at construction sites > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor		
Fauna	Non-volant mammal	Yes	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor		
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor		
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor		
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix II)	Critically Endangered	Construction	Accidental injury or mortality	High	High	Species with high susceptibility to accidental injury/mortality from construction activities	High	Possible	Impact could possibly happen or has been known to occur during construction > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	High	High	Less likely	Minor		
Fauna	Odonate	No	<i>Aerogomphus malayanus</i>	Malayan hoodtail	Near Threatened	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Low	Low	Unlikely	Negligible		
Fauna	Odonate	No	<i>Amphionomis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Low	Low	Unlikely	Negligible		
Fauna	Odonate	No	<i>Chalybeothemis fluviatilis</i>	Green-eyed perch	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Low	Low	Unlikely	Negligible		
Fauna	Odonate	No	<i>Cipera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction > Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-filling fauna inspections	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Low	Low	Unlikely	Negligible		

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Odonate	No	<i>Dryanocista quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-falling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Gynacantha basigutata</i>	Spoon-tailed damselfly	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-falling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Indohemitea carnatica</i>	White-tipped damselfly	Near Threatened	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-falling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Pedestalopteryx orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-falling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Prodasineura costalis</i>	Collared threadtail	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Species with low susceptibility to accidental injury/mortality from construction activities	Low	Unlikely	Impact is not expected to happen during construction	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > Avoid fogging > No night works (except security-critical works) > Pre-falling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Chiropterus torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Medium	Medium	Less likely	Minor
Fauna	Bat	Yes	<i>Eorycteris spelaea</i>	Cave rector bat	Least Concern	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Hypsignathos monstrosus</i>	Black-crowned night heron	Least Concern	Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Pteropus lucasii</i>	Dusky fruit bat	Least Concern	Critically Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying fox	Near Threatened, CITES protected (Appendix I)	Critically Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Tylosystictes malayana</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Tylosystictes malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the work site	Medium	Medium	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Athidium smithi</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina nollyi</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lasiglossum aminissatum</i>	NA	Not Assessed	Critically Endangered	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lipotriches takawani</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Psaltriparus intricatus</i>	NA	Not Assessed	Critically Endangered	Construction	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Medium	Unlikely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Brachypodius melanoccephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	High	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Cotococcyz affinis</i>	Plume-beed swiftlet	Least Concern	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern CITES protected (Appendix II)	Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Cyanops brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Halcyon comanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Icthyophaga ichthyaeus</i>	Grey-headed fish eagle	Near Threatened CITES protected (Appendix II)	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Halopais personatus</i>	Masked finfoot	Endangered	Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Kaluga kaluga</i>	Buffy fish owl	Least Concern CITES protected (Appendix I)	Vulnerable	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Lankus cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Nettion coromandelianus</i>	Colton pygmy goose	Least Concern	Critically Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern CITES protected (Appendix I)	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix I)	Near Threatened	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Ptilinopus cyanurus</i>	Blue-rumped parrot	Near Threatened CITES protected (Appendix I)	Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Staw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	High	High	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern CITES protected (Appendix I)	Critically Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Streptopelia</i>	Spotted wood owl	Least Concern CITES protected (Appendix I)	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Sturniculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Tachypachus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	High	High	Less likely	Minor



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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Unlikely	Not adversely affected by human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	Medium	Medium	Less likely	Minor
Fauna	Butterfly	No	<i>Anomala blanda blanda</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Artipala amythina amythina</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Artipala antinoma antinoma</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Artipala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Artipala sithetensis adonia</i>	Syhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Asicopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	Yes	<i>Borbo cinerea</i>	Formosan swift	Not Assessed	Endangered	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Calotis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Catopyrops ancya</i>	Ancya blue	Not Assessed	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Charaxes sobor echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Dicophora sordida despolata</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Gargara lebae lebae</i>	Banded red-eye	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Jamides allecto agelatus</i>	Melitic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Minto hypoleuca torana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba suraya nemana</i>	Transparent soline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba pactulus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba saraya eltoi</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Naylis hanta hanta</i>	Chocolate saltir	Not Assessed	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pachipta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helin	Not Assessed	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Paltoptis agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	Yes	<i>Potanthus teichala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Suares everys everys</i>	White palm bob	Not Assessed	Endangered	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Tapana thealesis bornea</i>	Dark fat	Not Assessed	Endangered	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Telostia colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Troxides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Zola atreyi</i>	Storoy's palmer	Not Assessed	Critically Endangered	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Non-marine snake	No	<i>Bolga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Non-marine snake	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Non-marine snake	No	<i>Oligodon signatus</i>	Banded kumi snake	Least Concern	Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Non-marine snake	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix I)	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Non-marine snake	No	<i>Ptyas fusc</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Non-marine snake	No	<i>Silybopsis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor
Fauna	Non-marine turtle	No	<i>Amysia cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix I)	Vulnerable	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Unlikely	Not adversely affected by human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-marine turtle	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix I)	Near Threatened	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Galopitrus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Tomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within work sites	> Erect hoardings around work sites involving heavy machinery (i.e., Main Entrance) to limit site personnel movement to within work sites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Monis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	Medium	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Priomalurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Construction	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Possible	Human traffic confined within workites	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Moderate	> Restrict entry of site personnel beyond the workite	High	High	Less likely	Minor
Fauna	Odonate	No	<i>Acrogonphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Amphinemus gracilis</i>	Wilo-wilo	Not Assessed	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Chalybeothemis flavivittis</i>	Green-eyed percher	Not Assessed	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Cipera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Gynacantha basigutata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Isobuthemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Potestes orientalis</i>	Blue-spotted fishing	Least Concern	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Prodasineura collaris</i>	Collared threadtail	Least Concern	Vulnerable	Construction	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to limit site personnel movement to within workites > No night works (except safety-critical works)	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Chironomops torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisance and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Minor		Low	Low	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser shaft-tailed bat	Least Concern	Critically Endangered	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave rectar bat	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Hipposideros bector</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Pteropus lucas</i>	Dusky fruit bat	Least Concern	Critically Endangered	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened, CITES protected (Appendix I)	Critically Endangered	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Tyonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Tyonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly tolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly tolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Caratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly tolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Caratina dolleyi</i>	NA	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly tolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Lasiosgossium aminissatum</i>	NA	Not Assessed	Critically Endangered	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly tolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Lipotriches takawensis</i>	NA	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly intolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly intolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly intolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly intolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly intolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly intolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Psaltriparus intricata</i>	NA	Not Assessed	Critically Endangered	Construction	Human-wildlife conflict	High	Medium	Possibly perceived as threat highly intolerant of human presence	Medium	Possible	Impact could possibly happen or has been known to occur during construction	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Negligible	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Negligible	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Brachypodius melanoccephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Negligible	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Negligible	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	<ul style="list-style-type: none"> <li>Erect hoardings around workites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry</li> <li>No night works (except safety-critical works)</li> <li>Pre-killing fauna inspections</li> </ul>	Negligible	<ul style="list-style-type: none"> <li>Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> </ul>	Negligible	Very Low	Unlikely	Negligible

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Chrysococcyx xanthopychus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-tod swiftlet	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern CITES protected (Appendix II)	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-bellied flowerpecker	Least Concern	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Icthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened CITES protected (Appendix II)	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Haliastur personatus</i>	Masked forest	Endangered	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Klitipua klitipua</i>	Buffy fish owl	Least Concern CITES protected (Appendix II)	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nettion coromandelianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Nisaetus ornatus</i>	Changeable hawk-eagle	Least Concern CITES protected (Appendix II)	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Platyrhinus cyanerurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Stow-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern CITES protected (Appendix II)	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Strix selgadoi</i>	Spotted wood owl	Least Concern CITES protected (Appendix II)	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Sturniculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible



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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Tachybaptus ruficolis</i>	Little grebe	Least Concern	Critically Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swiflet's white-eye	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Ariopata amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Ariopata arimuta arimuta</i>	Small talkless oakblue	Not Assessed	Nationally Extinct	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Ariopata eumolophilus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Ariopata aithetensis aithetensis</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Austropterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Borbo cismara</i>	Formosan swift	Not Assessed	Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calvois malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calypsoes ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Charaxes soton echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Dicopchira sondaica despotata</i>	Common duffar	Not Assessed	Critically Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Gargarea kibabua kibabua</i>	Banded rebye	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Jamides alecto apeltada</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Meris hylecoeca tarana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent soline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elior</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Napris naris hanta</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Pachliopta aristolochiae astaris</i>	Common rose	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Palaoptes agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-killing fauna inspections	Negligible		Low	Low	Unlikely	Negligible

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Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	Yes	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burtona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Suares everys everys</i>	White palm bob	Not Assessed	Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Tapena phealtes bornea</i>	Dark fat	Not Assessed	Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Talcoata color stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Troides helena caerberus</i>	Common bridwing	Not Assessed CITES protected (Appendix I)	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Buaya melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	High	Species that are typically perceived as both nuisances and threats by construction personnel, may deliver venomous bite if provoked	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry (except safety-critical works) > Pre-filling fauna inspections > Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EIMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead/dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EIMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead/dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	High	Species that are typically perceived as both nuisances and threats by construction personnel, may deliver venomous bite if provoked	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry (except safety-critical works) > Pre-filling fauna inspections > Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EIMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead/dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EIMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead/dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less Likely	No night works	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry (except safety-critical works) > Pre-filling fauna inspections	Minor		Low	Low	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Non-marine snake	No	Ophiophagus hannah	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	Construction	Human-wildlife conflict	High	High	Species that are typically perceived as both nuisances and threats by construction personnel, may deliver venomous bite if provoked	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Non-marine snake	No	Ptyas fucua	White-bellied rat snake	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less likely	Predominantly ground-dwelling, can be excluded with hoarding	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Minor	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	Low	Low	Less likely	Minor
Fauna	Non-marine snake	No	Sibynophis melanoccephalus	Black-headed colared snake	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	High	Species that are typically perceived as both nuisances and threats by construction personnel, may deliver venomous bite if provoked	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Non-marine turtle	No	Ameyo cartilaginea	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Negligible	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine turtle	No	Cuora amboinensis	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Negligible	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	Yes	Galeopterus variegatus	Sunda colugo	Least Concern	Near Threatened	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less likely	No night works	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Minor	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	Low	Low	Less likely	Minor
Fauna	Non-volant mammal	Yes	Myrius harrisi	Horsfield's flying squirrel	Least Concern	Endangered	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less likely	No night works	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Minor	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	Low	Low	Less likely	Minor
Fauna	Non-volant mammal	Yes	Lutrogale perspicillata	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Construction	Human-wildlife conflict	High	Medium	Species that are typically perceived as nuisances and possibly as threats by construction personnel, highly tolerant of human presence and urban environments, and are frequently implicated in human-wildlife	Medium	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	Yes	Macaca fascicularis	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Human-wildlife conflict	High	High	Species that are typically perceived as both nuisances and threats by construction personnel, highly tolerant of human presence and urban environments, and are frequently implicated in human-wildlife conflict	High	Possible	Impact could possibly happen or has been known to occur during construction	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Non-volant mammal	No	Maris javanica	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less likely	No night works	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Minor	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	Low	Low	Less likely	Minor
Fauna	Non-volant mammal	No	Prionailurus bengalensis	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Construction	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by construction personnel, less tolerant of human presence and urban environments	Low	Less likely	No night works	> Erect hoardings around work sites involving heavy machinery (i.e. Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-felling fauna inspectors	Minor	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/injured/dead dangerous fauna is found on-site > Train site personnel that feeding on wildlife is strictly prohibited	Low	Low	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Odonate	No	<i>Acrogongphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Amphionemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluvialis</i>	Green-eyed perch	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Drapanosticta quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Indothemis carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats to construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Pedestaltes orientalis</i>	Blue-spotted fishing	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Prodasineura colvini</i>	Colored threadtail	Least Concern	Vulnerable	Construction	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	NA	> Erect hoardings around workites involving heavy machinery (i.e., Main Entrance) to prevent fauna entry > No night works (except safety-critical works) > Pre-filling fauna inspections	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Cheironomus torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	Yes	<i>Eorycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Black-crowned night hawklet	Least Concern	Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Pteropus lucas</i>	Dusky fruit bat	Least Concern	Critically Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying fox	Near Threatened, CITES protected (Appendix I)	Critically Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Tytorcterus fulvid</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bat	No	<i>Tytorcterus malayanus</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Ceratina roleyi</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Lasioslossus semisulcatus</i>	NA	Not Assessed	Critically Endangered	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Lipotriches takuensis</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Palaepus intricata</i>	NA	Not Assessed	Critically Endangered	Construction	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Less Likely	Safety-critical night works only	No night works	Negligible		Negligible	Very Low	Less likely	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Brachypterus melanoleucophaeus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis cyathopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Chrysocolaptes xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Flame-bellied swiftlet	Least Concern	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern, CITES protected (Appendix I)	Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Cyanops brunneatus</i>	Brown-headed jungle flycatcher	Vulnerable	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Halcyon comanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Icthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened, CITES protected (Appendix I)	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Halopais personatus</i>	Masked finfoot	Endangered	Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Katapa katapa</i>	Buffy fish owl	Least Concern, CITES protected (Appendix I)	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Nepitupa coromandeliana</i>	Cotton pygmy goose	Least Concern	Critically Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Nyctala cinerea</i>	Changeable hawk-eagle	Least Concern, CITES protected (Appendix I)	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Nyctorax nyctorax</i>	Black-crowned night heron	Least Concern	Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable, CITES protected (Appendix II)	Near Threatened	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Platinius cyanurus</i>	Blue-rumped parrot	Near Threatened, CITES protected (Appendix I)	Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered, CITES protected (Appendix I)	Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Spheniscus cheela</i>	Crested serpent eagle	Least Concern, CITES protected (Appendix II)	Critically Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Sitta selaputo</i>	Spotted wood owl	Least Concern, CITES protected (Appendix II)	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Sumpilopus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor		Medium	Medium	Less likely	Minor
Fauna	Butterfly	No	<i>Anomia blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Anthopata amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Anthopata antinata antinata</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Anthopata eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Anthopata athetensis adreana</i>	Syhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Asciopteryx jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	Yes	<i>Borbo cinerea</i>	Formosan swift	Not Assessed	Endangered	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor		Low	Low	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance	
Fauna	Butterfly	No	<i>Calotis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Calotropis ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Chamaea soton echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Dioscophora sondaca despotata</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Gangara kbabakia lebedeva</i>	Banded repley	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Jemitea electo apolladis</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Mantis hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent seline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Nages marita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Papilio prexepes prexepes</i>	Blue helon	Not Assessed	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Petalipoda agna agna</i>	Bengali swift	Not Assessed	Endangered	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	Yes	<i>Pitanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Rachana jaindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Suares everya everya</i>	White pain bob	Not Assessed	Endangered	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Tapanos thealtes bornea</i>	Dark fat	Not Assessed	Endangered	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Talcoata colan striga</i>	Common pain dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Troides helena celeris</i>	Common breeding	Not Assessed	CITES protected (Appendix I)	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Zala storey</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Non-marine snake	No	<i>Bufo melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor	High	High	Less likely	Minor	
Fauna	Non-marine snake	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor	Medium	Medium	Less likely	Minor	
Fauna	Non-marine snake	No	<i>Oligodon signatus</i>	Banded katei snake	Least Concern	Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor	High	High	Less likely	Minor	
Fauna	Non-marine snake	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor	Medium	Medium	Less likely	Minor	
Fauna	Non-marine snake	No	<i>Ptyas fuxca</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor	High	High	Less likely	Minor	
Fauna	Non-marine snake	No	<i>Sibynophis melanolephthalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor	Medium	Medium	Less likely	Minor	
Fauna	Non-marine turtle	No	<i>Amoia carolinage</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor	High	High	Less likely	Minor	
Fauna	Non-marine turtle	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor	High	High	Less likely	Minor	
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor	High	High	Less likely	Minor	
Fauna	Non-volant mammal	Yes	<i>Isomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor	High	High	Less likely	Minor	
Fauna	Non-volant mammal	Yes	<i>Lutroplus penicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor	Medium	Medium	Less likely	Minor	
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor	Medium	Medium	Less likely	Minor	
Fauna	Non-volant mammal	No	<i>Maris javanicus</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor	High	High	Less likely	Minor	
Fauna	Non-volant mammal	No	<i>Ptenodectes bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Construction	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Less Likely	Safety-critical night works only	No night works	Minor	High	High	Less likely	Minor	
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Amphinemba gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Chalybesthesmus flaviflavis</i>	Green-eyed percher	Not Assessed	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Cipasa vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Gynacantha basigutata</i>	Spoon-tailed duskhawk	Least Concern	Vulnerable	Construction	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Less Likely	Safety-critical night works only	No night works	Minor	Medium	Medium	Less likely	Minor	
Fauna	Odonate	No	<i>Indothemis carmatica</i>	White-tipped demon	Near Threatened	Critically Endangered	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted fishing	Least Concern	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Prodasineura colfatis</i>	Collared threadtail	Least Concern	Vulnerable	Construction	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Less Likely	Safety-critical night works only	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Bat	No	<i>Chironomus torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Construction	Loss of roosting in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor	High	High	Unlikely	Minor	

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bat	No	<i>Hipposideros beckeri</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bat	No	<i>Pteropus lucifer</i>	Dusky fruit bat	Least Concern	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying fox	Near Threatened, CITES protected (Appendix I)	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Tylonycteris livida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Athidium smithi</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina kellyi</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lasiosomus seminussum</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Liponiches takawensis</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ramana</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Pachipala intricata</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Brachypodius melanoccephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Chloropsis cyanoptera</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthopychus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-tod swiftlet	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern, CITES protected (Appendix I)	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-verbed flowerpecker	Least Concern	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Haliastur comans</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Icthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened, CITES protected (Appendix I)	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible



Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual Likelihood	Residual Impact significance
Fauna	Bird	No	<i>Halcyon personatus</i>	Masked fofoot	Endangered	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Katapa katapu</i>	Buffy fish owl	Least Concern CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Larus cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nettionus coromandianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Nisusetus ornatus</i>	Chargeable hawk-eagle	Least Concern CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Myciornis myciornis</i>	Black-crowned night heron	Least Concern	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Ptilinopus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Staw-headed bulbul	Critically Endangered; CITES protected (Appendix II)	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern CITES protected (Appendix II)	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Streptopelia</i>	Spotted wood owl	Least Concern CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Sturnia vulgaris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Trogon curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Acraea blanda blanda</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Butterfly	No	<i>Arhopa amphiteles amphiteles</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Butterfly	No	<i>Arhopa antina antina</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Arhopa eunolus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Arhopa silhetensis adreana</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Asiopteron jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Borbo cinerea</i>	Formosan swift	Not Assessed	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calymene malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Butterfly	No	<i>Calyptops ancya</i>	Ancya blue	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Charaxes jophon echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Dioscophora sondaca despotata</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Gargara lebadia lebadia</i>	Banded red-eye	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Jemias allecto agalabus</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Meris hypoleuca tarana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent soline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba plectus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Nacaduba saraya eiloffi</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Nepytis hanta hanta</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Pachoptera aristobolus asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helan	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor

# Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Papilio agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Potanthus trachea yleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Impact is not expected to happen during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Butterfly	No	<i>Suares everyevery</i>	White palm bob	Not Assessed	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Tapona thealtesii bornea</i>	Dark fat	Not Assessed	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Telctoa color stigma</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Troides helena cerbusus</i>	Common bridling	Not Assessed; CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Impact is not expected to happen during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Zeta storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact is not expected to happen during construction		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Bufo melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Hoarding will not be erected at trails during construction		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Hoarding will not be erected at trails during construction		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Oligodon agratus</i>	Barred kuli snake	Least Concern	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Hoarding will not be erected at trails during construction		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Hoarding will not be erected at trails during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Hoarding will not be erected at trails during construction		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Sitynophis melanoleucus</i>	Black-headed colared snake	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Hoarding will not be erected at trails during construction		Minor		High	High	Unlikely	Minor
Fauna	Non-marine turtle	No	<i>Amysia cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	No change to waterbody	Very Low	Unlikely	Stream is far away from the trail		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine turtle	No	<i>Cuora amblystern</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	No change to waterbody	Very Low	Unlikely	Stream is far away from the trail		Negligible		Negligible	High	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Hoarding will not be erected at trails during construction		Minor		High	High	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Isomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Hoarding will not be erected at trails during construction		Minor		High	High	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Hoarding will not be erected at trails during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	Hoarding will not be erected at trails during construction		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	No	<i>Muris javanicus</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	Hoarding will not be erected at trails during construction		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-volant mammal	No	<i>Pronotoceros bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Hoarding will not be erected at trails during construction		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Acropompilus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact could possibly happen or has been known to occur during construction		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Amphinemus gracilis</i>	Wilo-wisp	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact could possibly happen or has been known to occur during construction		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Chalybeothems fluvialis</i>	Green-eyed percher	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Cipera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact could possibly happen or has been known to occur during construction		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact could possibly happen or has been known to occur during construction		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawk	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact could possibly happen or has been known to occur during construction		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Isobasus carnatica</i>	White-tipped demon	Near Threatened	Critically Endangered	Construction	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact could possibly happen or has been known to occur during construction		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Pseudischnura colfaxi</i>	Collared threadtail	Least Concern	Vulnerable	Construction	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	Impact could possibly happen or has been known to occur during construction		Minor		High	High	Unlikely	Minor
Fauna	Bat	No	<i>Chironomus torquatus</i>	Naked bulbul bat	Least Concern	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove rudimentary plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undesirable plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bat	No	<i>Hypsignathus bicolor</i>	Blackoured roundleaf bat	Least Concern	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Pteropus lucas</i>	Dusky fruit bat	Least Concern	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying fox	Near Threatened, CITES protected (Appendix II)	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Tyonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Tyonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undesirable plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undesirable plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undesirable plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Ceratina rolyi</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undesirable plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Lasiglossum semirissatum</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undesirable plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Liponiches takuensis</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undesirable plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undesirable plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undesirable plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Nomada makayana</i>	NA	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Psaltriparus intricata</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Brachyopus melanoccephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chrysococcyx xanthopychus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern CITES protected (Appendix II)	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible

## Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Dicaeum olivaceum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Haliastur intermedius</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Haliastur intermedius</i>	Grey-headed fish eagle	Near Threatened: CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Haliaeetus personatus</i>	Masked finfoot	Endangered	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Keteleia ketupu</i>	Buffy fish owl	Least Concern: CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Larus cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Nettion coromandelianus</i>	Colton pygmy goose	Least Concern	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Nisaeetus ornatus</i>	Changeable hawk-eagle	Least Concern: CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Pastacula longicauda</i>	Long-tailed parakeet	Vulnerable: CITES protected (Appendix I)	Near Threatened	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Platyrhinus cyanurus</i>	Blue-rumped parrot	Near Threatened: CITES protected (Appendix II)	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed parrot	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Staw-headed bulbul	Critically Endangered: CITES protected (Appendix I)	Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Splinteria chelata</i>	Crested serpent eagle	Least Concern: CITES protected (Appendix II)	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Strix selpeops</i>	Spotted wood owl	Least Concern: CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	Yes	<i>Sumiculus lagubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Tachypachus ruficollis</i>	Little gnat	Least Concern	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Trogon curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Anomala blanda blanda</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Arhopala amphimela amphimela</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/ITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Arhopala antimus antimus</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala autographa maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala althausi adrona</i>	Syhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Ascalopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Burbo cinerea</i>	Fomosan swift	Not Assessed	Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Calvois malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calogyris ancya</i>	Ancya blue	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Chaevusa soton echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Diosphora sondaca dispartata</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Gargara kibaku kibaku</i>	Banded redfly	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Jamides allecto apellatus</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Meris hypoleuca tarana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent skyline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya eidoi</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nayes haria haria</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Pachlipa aristobachae asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helon	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Patopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	Yes	<i>Pitanehus brachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Rachana jainindra burtona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Suasus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Tapena thealusi bornea</i>	Dark fat	Not Assessed	Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove understorey plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Talceota color atinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Troxies helena cerberus</i>	Common brooding	Not Assessed; CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undulatory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undulatory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Zala storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Bija melaina</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Gorysoma oxycephala</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Oligodon signatus</i>	Barred kauri snake	Least Concern	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undulatory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Non-marine snake	No	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Sternopygus melanoleucus</i>	Black-headed collared snake	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine turtle	No	<i>Amydura cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine turtle	No	<i>Cuora amboinensis</i>	Malayan box turtle	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	Yes	<i>Tomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	Yes	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix II)	Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undulatory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain			Moderate	> Avoid areas of high conservation value > Erect hoardings to delineate workites involving heavy machinery (i.e., Main Entrance) > For workites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Remove undulatory plants only, replant somewhere else in BBTP	Low	Low	Possible	Minor
Fauna	Non-volant mammal	No	<i>Panulirus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix II)	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Acronyctus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Amphionema gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluvialis</i>	Green-eyed penther	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Gynacantha basigutata</i>	Spoon-tailed dashhawk	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Indohemitea carinata</i>	White-tipped demon	Near Threatened	Critically Endangered	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Prolestes orientalis</i>	Blue-spotted fishing	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Prostictura colaris</i>	Colared threadtail	Least Concern	Vulnerable	Construction	Loss of reduction in habitats and food sources	High	Negligible	No loss of habitat	Very Low	Unlikely			Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Chironomops torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Pteropus lucas</i>	Dusky fruit bat	Least Concern	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Tyonycteris livida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Tyonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina kelleyi</i>	NA	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lasiopterus semissulcatum</i>	NA	Not Assessed	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lipotriches takawensis</i>	NA	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Palafoxia intricata</i>	NA	Not Assessed	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Actodra meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Audubon purpurea</i>	Purple heron	Least Concern	Endangered	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Minor		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Baryphothus melanoccephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Chloropsis cyanerogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	High	Migratory	High	Unlikely	No major buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-tailed swiftlet	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern, CITES protected (Appendix I)	Endangered	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Cyornis birmensis</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operation	Accidental injury or mortality	High	High	Migratory	High	Unlikely	No major buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-billed flowerpecker	Least Concern	Critically Endangered	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operation	Accidental injury or mortality	High	High	Migratory	High	Unlikely	No major buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Icthyophaga ichthyophaga</i>	Grey-headed fish eagle	Near Threatened, CITES protected (Appendix II)	Vulnerable	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Helophaps personatus</i>	Masked finfoot	Endangered	Endangered	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Katapou katapou</i>	Buffy fish owl	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	High	Migratory	High	Unlikely	No major buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Nettionus comandorensis</i>	Colton pygmy goose	Least Concern	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Nisaeetus ornatus</i>	Changeable hawk-eagle	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable, CITES protected (Appendix II)	Near Threatened	Operation	Accidental injury or mortality	High	High	Forest-edge frugivore	High	Unlikely	No major buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Ptilinopus cyanurus</i>	Blue-rumped parrot	Near Threatened, CITES protected (Appendix II)	Endangered	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	High	Forest-edge frugivore	High	Unlikely	No major buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered, CITES protected (Appendix I)	Endangered	Operation	Accidental injury or mortality	High	High	Forest-edge frugivore	High	Unlikely	No major buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Syrmium cheela</i>	Crested serpent eagle	Least Concern, CITES protected (Appendix II)	Critically Endangered	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Sitta selpeubo</i>	Spotted wood owl	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Unlikely	No major buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Sturniculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	High	Migratory	High	Unlikely	No major buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Tachybaptus ruficolis</i>	Little grebe	Least Concern	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Trogon curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	High	Forest-edge frugivore	High	Unlikely	No major buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Zosterornis simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Unlikely	No major buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Anomala blanda blanda</i>	Silver royal	Not Assessed	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimeta amphimeta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala antimata antimata</i>	Small tallois oakleaf	Not Assessed	Nationally Extinct	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakleaf	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala sithanensis azorensis</i>	Syhet oakleaf	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Asciopteryx jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Borbo cinerea</i>	Fornician swift	Not Assessed	Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calponia malaya</i>	Malayan gray	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Cataglyphis ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Charaxes solon ecytho</i>	Black rajah	Not Assessed	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Diophras sandaca desipitata</i>	Common duffer	Not Assessed	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Gangara baobeka baobeka</i>	Banded red-eye	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible



Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual Likelihood	Residual Impact significance
Fauna	Butterfly	No	<i>Jarvisia allecto agelades</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Mantis hypoleuca torana</i>	Green imperial	Not Assessed	Nationally Extinct	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent saline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactorius odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba saranya ellioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Neptis hanta hanta</i>	Chocolate salitr	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Pachlipota antiochiaea asteris</i>	Common rose	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helon	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Peleopides agria agria</i>	Bengal swift	Not Assessed	Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Potanthus isachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burtona</i>	Banded royal	Not Assessed	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Suaresia everyth everyth</i>	White palm bob	Not Assessed	Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Tapeina theatesis bomae</i>	Dark fat	Not Assessed	Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Telipotia colton stimpia</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Toxides helena cerberus</i>	Common bridwing	Not Assessed, CITES protected (Appendix I)	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Zala storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Boliga melanota</i>	Gold-ringed snake	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	High	Terrrestrial reptile - High susceptibility	High	Less Likely	Impact is not likely to happen during operation		Minor		High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Gorytes oxycephalus</i>	Red-tailed racer	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	High	Terrrestrial reptile - High susceptibility	High	Less Likely	Impact is not likely to happen during operation		Minor		High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Operation	Accidental injury or mortality	High	High	Terrrestrial reptile - High susceptibility	High	Less Likely	Impact is not likely to happen during operation		Minor		High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix I)	Vulnerable	Operation	Accidental injury or mortality	High	High	Terrrestrial reptile - High susceptibility	High	Less Likely	Impact is not likely to happen during operation		Minor		High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	High	Terrrestrial reptile - High susceptibility	High	Less Likely	Impact is not likely to happen during operation		Minor		High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Stynopis melanacephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	High	Terrrestrial reptile - high susceptibility	High	Less Likely	Impact is not likely to happen during operation		Minor		High	High	Less likely	Minor
Fauna	Non-marine turtle	No	<i>Amyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix I)	Vulnerable	Operation	Accidental injury or mortality	High	Low	Aquatic - low susceptibility	Low	Unlikely	Impact could possibly happen or have been known to occur during construction		Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine turtle	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix I)	Near Threatened	Operation	Accidental injury or mortality	High	High	Terrrestrial reptile - high susceptibility	High	Unlikely	Impact is not likely to happen during operation		Minor		High	High	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda solugo	Least Concern	Near Threatened	Operation	Accidental injury or mortality	High	Medium	Arboreal mammal - mobile but possibly susceptible to roadkills	Medium	Unlikely	Arboreal		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	Operation	Accidental injury or mortality	High	Medium	Arboreal mammal - mobile but possibly susceptible to roadkills	Medium	Unlikely	Arboreal		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Operation	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Less Likely	Impact is not likely to happen during operation		Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix I)	Least Concern	Operation	Accidental injury or mortality	High	High	Know to cross roads - highly susceptible to roadkills	High	Less Likely	Impact is not likely to happen during operation		Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Meris javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operation	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Less Likely	Impact is not likely to happen during operation		Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Pronotatus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Operation	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Less Likely	Impact is not likely to happen during operation		Minor		High	High	Less likely	Minor
Fauna	Odonate	No	<i>Acrogonopus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Amphionemus gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluvialis</i>	Green-eyed percher	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Copaxa vitata</i>	Variable featherlegs	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamsel	Not Assessed	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Gynacantha basigutata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Indohemima camatica</i>	White-tipped demon	Near Threatened	Critically Endangered	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Plocheleia orientalis</i>	Blue-spotted fishing	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Prodasineura colfaxi</i>	Collared threadtail	Least Concern	Vulnerable	Operation	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Chiromeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trash/bowls		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species. > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave relict bat	Least Concern	Vulnerable	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Pteropus lucasii</i>	Dusky fruit bat	Least Concern	Critically Endangered	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened, CITES protected (Appendix I)	Critically Endangered	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Tyroxys crivellae</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Tyroxys malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Anthidium smithii</i>	NA	Not Assessed	Vulnerable	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina fellei</i>	NA	Not Assessed	Vulnerable	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lasioslossus seminassutum</i>	NA	Not Assessed	Critically Endangered	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lipotriches takasensis</i>	NA	Not Assessed	Vulnerable	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ramana</i>	NA	Not Assessed	Vulnerable	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Pachytra indicata</i>	NA	Not Assessed	Critically Endangered	Operation	Human disturbances	High	Negligible	Species not sensitive to human presence	Very Low	Unlikely	Not adversely affected by human presence		Negligible	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Actea purpurea</i>	Purple heron	Least Concern	Endangered	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Brachyopus melanoccephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Chloropsis cyanopteron</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Chrysocolaptes xanthopychus</i>	Violet cuckoo	Least Concern	Vulnerable	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Catocala affinis</i>	Plume-tailed swiftlet	Least Concern	Vulnerable	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Low	Low	Less likely	Minor
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern CITES protected (Appendix II)	Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Low	Low	Less likely	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-bellied flowerpecker	Least Concern	Critically Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Haliastur comans</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Icthyophaga ichthyaeus</i>	Grey-headed fish eagle	Near Threatened, CITES protected (Appendix II)	Vulnerable	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Helopsia personatus</i>	Masked finfoot	Endangered	Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Kribia kribia</i>	Buffy fish owl	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Nettion coromandianus</i>	Cotton pygmy goose	Least Concern	Critically Endangered	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Psittinus cyanurus</i>	Blue-rumped parrot	Near Threatened; CITES protected (Appendix II)	Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Stow-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	High	High	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Strix selphuto</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Sturnicus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	<ul style="list-style-type: none"> <li>&gt; Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species</li> <li>&gt; Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings)</li> <li>&gt; Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail</li> </ul>	High	High	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	High	High	Less likely	Minor
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Operation	Human disturbances	High	High	Species that are extremely sensitive to human presence	High	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swiftoe's white-eye	Least Concern	Vulnerable	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species	Medium	Medium	Less likely	Minor
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala amphimela amphimela</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala artemida artemida</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpina maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala athalassa adriana</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Austrocytopus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	Yes	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Calopteryx malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Chloraxes saron echo</i>	Black rajah	Not Assessed	Critically Endangered	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Discophora sondaca despolata</i>	Common duffer	Not Assessed	Critically Endangered	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Gargara lebadia lebadia</i>	Banded reedey	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Jemetera electo ageladas</i>	Metallic caelestian	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Meritis hypoleuca tarana</i>	Green imperial	Not Assessed	Nationally Extinct	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sordine blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba plectolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba sanjaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nepes marta harta</i>	Chocolate sailor	Not Assessed	Vulnerable	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helon	Not Assessed	Vulnerable	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pelopides agna agna</i>	Bengal swift	Not Assessed	Endangered	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	Yes	<i>Potanthus teuchala pylori</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Rachana jatintra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Suaresia everey everey</i>	White palm bob	Not Assessed	Endangered	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Tapesia thalassai bornea</i>	Dark fat	Not Assessed	Endangered	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Telicota color stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common bridwing	Not Assessed, CITES protected (Appendix I)	Vulnerable	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operation	Human disturbances	High	Low	Species that are slightly sensitive to human presence	Low	Less Likely	Tolerant of human presence		Minor		Low	Low	Less likely	Minor
Fauna	Non-marine snake	No	<i>Buaya melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Operation	Human disturbances	High	Medium	Species that are sensitive to human presence	Medium	Less Likely	Human traffic confined within built-up areas and trails/boardwalks		Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitation has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor



Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bat	No	<i>Chiropterus torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Pteropus lucas</i>	Dusky fruit bat	Least Concern	Critically Endangered	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened, CITES protected (Appendix I)	Critically Endangered	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Tytonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Tytonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Cassina fuliginosa</i>	NA	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Carallia delleyi</i>	NA	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Lasiosigossus seminussatum</i>	NA	Not Assessed	Critically Endangered	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Lipochilus takasensis</i>	NA	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Palaflaps intricata</i>	NA	Not Assessed	Critically Endangered	Operation	Human-wildlife conflict	High	Medium	Possibly perceived as threat, highly intolerant of human presence	Medium	Less Likely	Aculeata - possibly implicated in human-wildlife conflict	> Put up signages to educate visitors on appropriate behaviours when encountering fauna	Minor	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Brachyopsis melanoccephala</i>	Black-headed bulbul	Least Concern	Critically Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chloropsis cyanoptera</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chrysococcyx xanthopychus</i>	Violet cuckoo	Least Concern	Vulnerable	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-tailed swiftlet	Least Concern	Vulnerable	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern, CITES protected (Appendix I)	Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Cyanus brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-vented flycatcher	Least Concern	Critically Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Hakyon comamanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Ithyophaga ichthyoides</i>	Grey-headed fish eagle	Near Threatened, CITES protected (Appendix I)	Vulnerable	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Halopais personatus</i>	Masked titfoot	Endangered	Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Ketebea ketupu</i>	Buffy fish owl	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nettion comendaniense</i>	Cotton pygmy goose	Least Concern	Critically Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Nisaeetus ornatus</i>	Changeable hawk-eagle	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable, CITES protected (Appendix I)	Near Threatened	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Ptilinopus cyanurus</i>	Blue-rumped parrot	Near Threatened, CITES protected (Appendix II)	Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered, CITES protected (Appendix I)	Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern, CITES protected (Appendix II)	Critically Endangered	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Streptopelia</i>	Spotted wood owl	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Sumiculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Operation	Human-Wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swifto's white-eye	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Ancama blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopata amphimeda amphimeda</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopata antimedea antimedea</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopata eumolphea maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopata sithetensis adreana</i>	Syhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Asiopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Borbo cinerea</i>	Formosan swift	Not Assessed	Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calvois malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calvoisopsis ancya</i>	Ancya blue	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Dioscophora sondaca despotata</i>	Common duffer	Not Assessed	Critically Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Gangara baobab baobab</i>	Banded red-eye	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Janetes alecto agaladus</i>	Metallic caelestis	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Mentio hypoleuca tarana</i>	Green imperial	Not Assessed	Nationally Extinct	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba surava nemana</i>	Transparent sofine blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible		Low	Low	Unlikely	Negligible



Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Nacaduba pectus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elior</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Naylis narita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Pachlipota aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helon	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Polydorus agna agna</i>	Bengali sailfin	Not Assessed	Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Potanthus trachealis tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burtona</i>	Banded royal	Not Assessed	Critically Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Suastris everyi everyi</i>	White palm bob	Not Assessed	Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Tapona thealesis bornea</i>	Dark fat	Not Assessed	Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Talcuta colata stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common bridwing	Not Assessed; CITES protected (Appendix I)	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Vagrana sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Zeta storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by construction personnel	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Low	Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Bufo melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	High	Species that are typically perceived as both nuisances and threats by public, may deliver venomous bite if provoked	High	Less Likely	Reptile - possibly implicated in human-wildlife conflict	> Put up signage to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof	Minor	High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Gorysoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	High	Species that are typically perceived as both nuisances and threats by public, may deliver venomous bite if provoked	High	Less Likely	Reptile - possibly implicated in human-wildlife conflict	> Put up signage to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof	Minor	High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Oligodon signatus</i>	Banded kuler snake	Least Concern	Endangered	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by public, less tolerant of human presence and urban environments	Low	Less Likely	Species less tolerant of human		Minor	Low	Low	Less likely	Minor
Fauna	Non-marine snake	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix I)	Vulnerable	Operation	Human-wildlife conflict	High	High	Species that are typically perceived as both nuisances and threats by public, may deliver venomous bite if provoked	High	Less Likely	Reptile - possibly implicated in human-wildlife conflict	> Put up signage to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof	Minor	High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by public, less tolerant of human presence and urban environments	Low	Less Likely	Species less tolerant of human		Minor	Low	Low	Less likely	Minor
Fauna	Non-marine snake	No	<i>Sternophis melanocapellatus</i>	Black-headed collared snake	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	High	Species that are typically perceived as both nuisances and threats by public, may deliver venomous bite if provoked	High	Less Likely	Reptile - possibly implicated in human-wildlife conflict	> Put up signage to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof	Minor	High	High	Less likely	Minor
Fauna	Non-marine turtle	No	<i>Amysia cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix I)	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine turtle	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix I)	Near Threatened	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Less Likely	Impact is not likely to happen during operation		Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Non-volant mammal	Yes	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Lutrogale perspicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Operation	Human-wildlife conflict	High	Medium	Species that are typically perceived as nuisances and possibly as threats by construction personnel, highly tolerant of human presence and urban environments, and frequently implicated in human-wildlife	Medium	Less Likely	Mammal - possibly implicated in human-wildlife conflict	> Put up signage to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof	Minor	Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix I)	Least Concern	Operation	Human-wildlife conflict	High	High	Species that are typically perceived as both nuisances and threats by members of the public, highly tolerant of human presence and urban environments, and are frequently implicated in human-wildlife conflict	High	Less Likely	Mammal - possibly implicated in human-wildlife conflict	> Put up signage to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof	Minor	High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Meris javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern, CITES protected (Appendix I)	Critically Endangered	Operation	Human-wildlife conflict	High	Low	Species that are possibly perceived as both nuisances and threats by members of the public, less tolerant of human presence and urban environments	Low	Less Likely	Impact is not likely to happen during operation		Minor	Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Acrogoniphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Amphipemesis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluvialtis</i>	Green-eyed pincer	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Copera vitata</i>	Variable featherlegs	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Drepanostola quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Gynacantha basigutata</i>	Spoon-tailed dashhawk	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Indothemis carinata</i>	White-tipped demon	Near Threatened	Critically Endangered	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Ptodestes orientalis</i>	Blue-spotted fishing	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Prodasineura colvini</i>	Coloured threadtail	Least Concern	Vulnerable	Operation	Human-wildlife conflict	High	Negligible	Species that are not perceived as nuisances or threats by members of the public	Very Low	Unlikely	Impact is not expected to happen during operation		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Chemozeles torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Minor	High	High	Unlikely	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Minor	High	High	Unlikely	Minor
Fauna	Bat	Yes	<i>Eorycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Minor	High	High	Unlikely	Minor
Fauna	Bat	No	<i>Hipposideros bicolor</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Minor	High	High	Unlikely	Minor
Fauna	Bat	No	<i>Pteridtorus lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Minor	High	High	Unlikely	Minor
Fauna	Bat	No	<i>Pteropus varvornis</i>	Large flying-fox	Near Threatened, CITES protected (Appendix I)	Critically Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Minor	High	High	Unlikely	Minor
Fauna	Bat	No	<i>Tylosysterus fulvides</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Minor	High	High	Unlikely	Minor
Fauna	Bat	No	<i>Tylosysterus malayanus</i>	Greater bamboo bat	Least Concern	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, crepuscular fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Minor	High	High	Unlikely	Minor
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Anthidium smithii</i>	NA	Not Assessed	Vulnerable	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina roleyi</i>	NA	Not Assessed	Vulnerable	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lasiglossum seministratum</i>	NA	Not Assessed	Critically Endangered	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lipotriches takawensis</i>	NA	Not Assessed	Vulnerable	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently H (i.e., worse off from baseline).		Negligible	Negligible	Very Low	Unlikely	Negligible

# Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Falsopsis intricata</i>	NA	Not Assessed	Critically Endangered	Operation	Light disturbances	High	Negligible	Species that are not sensitive to changes in light levels	Very Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Brachypodus melanoccephalus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Chloropsis cyanocephala</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthopygus</i>	Violet cuckoo	Least Concern	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Flame-faced swiftlet	Least Concern	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern CITES protected (Appendix II)	Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Corvus macrocygnus</i>	Large-billed crow	Least Concern	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Cyanops brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-vented flowerpecker	Least Concern	Critically Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Haliyon coronata</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Icthyophaga ichthyophaga</i>	Grey-headed fish eagle	Near Threatened, CITES protected (Appendix II)	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Heliopais personatus</i>	Masked finfoot	Endangered	Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Kittia katepu</i>	Buffy fish owl	Least Concern CITES protected (Appendix II)	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Natalus coromandelianus</i>	Colton pygmy goose	Least Concern	Critically Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Nisaeetus cirrhatus</i>	Changeable hawk-eagle	Least Concern CITES protected (Appendix II)	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable, CITES protected (Appendix II)	Near Threatened	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Platinius castaneus</i>	Blue-rumped parrot	Near Threatened, CITES protected (Appendix II)	Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered, CITES protected (Appendix I)	Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline.		Minor		Medium	Medium	Unlikely	Minor

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Bird	No	<i>Spheniscus cheela</i>	Crested serpent eagle	Least Concern, CITES protected (Appendix II)	Critically Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Minor	Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Strix selgadoi</i>	Spotted wood owl	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Minor	High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Surniculus lugubris</i>	Square-tailed drongo-woodoo	Least Concern	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Minor	High	High	Unlikely	Minor
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Minor	Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Minor	Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Minor	Medium	Medium	Unlikely	Minor
Fauna	Butterfly	No	<i>Ancema slanki slanki</i>	Silver royal	Not Assessed	Critically Endangered	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala antinuta antinuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolphe maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala sitharetta adreana</i>	Syhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Ascalopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Borbo cinerea</i>	Formosan swift	Not Assessed	Endangered	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Caloptrix malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calopygus ancya</i>	Ancya blue	Not Assessed	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Charaxes saron echo</i>	Black ragoh	Not Assessed	Critically Endangered	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Diochroa sandaca despoilata</i>	Common duffer	Not Assessed	Critically Endangered	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Gangara babada babada</i>	Banded red-eye	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Jamides alcioa apaladus</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Mantis hypoleuca torana</i>	Green imperial	Not Assessed	Nationally Extinct	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sulfine blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactulus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba saraya alloti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Negitis narta hanta</i>	Chocolate sailor	Not Assessed	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Pachiteles aristotrichae asteris</i>	Common rose	Not Assessed	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helon	Not Assessed	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Pelepidas agna agna</i>	Bengali swift	Not Assessed	Endangered	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline).		Negligible	Low	Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual Impact significance
Fauna	Butterfly	Yes	<i>Pantopus thalassia tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Rachana jahiria burtona</i>	Banded royal	Not Assessed	Critically Endangered	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Suaresia everyi everyi</i>	White palm bob	Not Assessed	Endangered	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Tapona thalassia bornea</i>	Dark fat	Not Assessed	Endangered	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Telicota color stings</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common bridling	Not Assessed, CITES protected (Appendix I)	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Vagansia sinia arbia</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Zala stonyi</i>	Stony's palmer	Not Assessed	Critically Endangered	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Blaga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, cephalopod fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Gorytesoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Oligodon signatus</i>	Barred kurt snake	Least Concern	Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, cephalopod fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix I)	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Ptyas fucata</i>	White-bellied rat snake	Least Concern	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, cephalopod fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Silybystrix melanoleuca</i>	Black-headed colared snake	Least Concern	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-marine turtle	No	<i>Amydala cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix I)	Vulnerable	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		High	High	Unlikely	Minor
Fauna	Non-marine turtle	No	<i>Cuora amboinensis</i>	Malayan box turtle	Vulnerable; CITES protected (Appendix I)	Near Threatened	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels: nocturnal, cephalopod fauna	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		High	High	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Galopithecus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		High	High	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Amyx horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		High	High	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Lutrogale penicillata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix I)	Least Concern	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		High	High	Unlikely	Minor
Fauna	Non-volant mammal	No	<i>Ptilonailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Operation	Light disturbances	High	High	Species that are extremely sensitive to changes in light levels	High	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Acrogomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Minor		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Amphioxenus gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluviatilis</i>	Green-eyed penter	Not Assessed	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Coperia vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Diprionocicta quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently II (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual Likelihood	Residual Impact significance
Fauna	Odonate	No	<i>Gynacantha basigutata</i>	Spoon-tailed duskhawk	Least Concern	Vulnerable	Operation	Light disturbances	High	Medium	Species that are sensitive to changes in light levels	Medium	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline)		Minor		Medium	Medium	Unlikely	Minor
Fauna	Odonate	No	<i>Indohemia carmatica</i>	White-tipped demon	Near Threatened	Critically Endangered	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted fishing	Least Concern	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Prodasineura colfanti</i>	Collared threadtail	Least Concern	Vulnerable	Operation	Light disturbances	High	Low	Species that are slightly sensitive to changes in light levels	Low	Unlikely	Lighting will only be provided at Main Entrance, which is currently lit (i.e., worse off from baseline)		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bat	No	<i>Chironomops torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bat	Yes	<i>Eorycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bat	No	<i>Hypsignathus bicolor</i>	Bicoloured roundtail bat	Least Concern	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bat	No	<i>Pteropus lucasi</i>	Dusky fruit bat	Least Concern	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bat	No	<i>Phonops varivittatus</i>	Large flying-fox	Near Threatened, CITES protected (Appendix I)	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Tytonycteris fulvidis</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bat	No	<i>Tytonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Anthidium smithi</i>	NA	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceasine fuliginosa</i>	NA	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Centris nedyi</i>	NA	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lasioslossum seminudatum</i>	NA	Not Assessed	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomada makayana</i>	NA	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomia aptalis</i>	NA	Not Assessed	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bee	No	<i>Plebejus instans</i>	NA	Not Assessed	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Ardea purpurea</i>	Purple heron	Least Concern	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Brachyopsis melanoccephala</i>	Black-headed bulbul	Least Concern	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Chloropsis cyanopogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthopychus</i>	Violet outbird	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Collocalia affinis</i>	Plume-tod swiftlet	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern, CITES protected (Appendix I)	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual Likelihood	Residual Impact significance
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Cyanus brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-vented flycatcher	Least Concern	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Haliyon comamanda</i>	Ruddy knifefish	Least Concern	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Ichthyophaga ichthyaetus</i>	Grey-headed fish eagle	Near Threatened, CITES protected (Appendix I)	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructure if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Halopagus personatus</i>	Masked finfoot	Endangered	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Katapa katapu</i>	Buffy fish owl	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nettion comamandanus</i>	Colton pygmy goose	Least Concern	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Nisaeus ornatus</i>	Changeable hawk-eagle	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructure if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nycticorax nycticorax</i>	Black-crowned night heron	Least Concern	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	Yes	<i>Ptilinopus longicauda</i>	Long-tailed parakeet	Vulnerable, CITES protected (Appendix I)	Near Threatened	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructure if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Ptilinopus cyanurus</i>	Blue-rumped parrot	Near Threatened, CITES protected (Appendix I)	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered, CITES protected (Appendix I)	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern, CITES protected (Appendix II)	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructure if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Sitta selgadoi</i>	Spotted wood owl	Least Concern, CITES protected (Appendix II)	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructure if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Surniculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Acanma blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Butterfly	No	<i>Arhopala arminuta arminuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Butterfly	No	<i>Arhopala arminuta arminuta</i>	Small tallish oakblue	Not Assessed	Nationally Extinct	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpae mawelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Arhopala althaisensis adoniae</i>	Syhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Asiopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and adaptable to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Borbo cinerea</i>	Formosan swift	Not Assessed	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Calotis malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Butterfly	No	<i>Calopteryx ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructure if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Charaxes saron echo</i>	Black rajah	Not Assessed	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Dioscophora sordida despolita</i>	Common duffer	Not Assessed	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Gangara lebaeus lebaeus</i>	Banded red-eye	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Jamides alecto agelades</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructure if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Mantis hypoleuca tarana</i>	Green imperial	Not Assessed	Nationally Extinct	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor

# Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent outline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactulosa odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Nacaduba sanaya eodor</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Naytes marita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Pachtopia aristobolchae asteris</i>	Common rose	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Patipolis agna agna</i>	Bengal swift	Not Assessed	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Potantus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burtona</i>	Banded royal	Not Assessed	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Butterfly	No	<i>Suastris everyx everyx</i>	White palm bob	Not Assessed	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Tapieta thalassae bornea</i>	Dark fat	Not Assessed	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Butterfly	No	<i>Telctoa colon atinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Troxies helena cerberus</i>	Common brooding	Not Assessed; CITES protected (Appendix I)	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha airva</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Zala storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Bufo melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Gonyosoma oxyophthalmum</i>	Red-tailed racer	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Oligodon signatus</i>	Barred katei snake	Least Concern	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix I)	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Ptyas fuscus</i>	White-bellied rat snake	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Non-marine snake	No	<i>Silythopsis melanolephthalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Non-marine turtle	No	<i>Amyda cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix II)	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	No change to waterbody	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-marine turtle	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	No change to waterbody	Very Low	Unlikely	No major new buildings		Negligible		Negligible	High	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Galopithecus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Amyris horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Non-volant mammal	Yes	<i>Lefogale pampicollata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix I)	Least Concern	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Unlikely	No major new buildings		Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Unlikely	No major new buildings		Minor		Medium	Medium	Unlikely	Minor
Fauna	Non-volant mammal	No	<i>Ptenodactylus bangalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix II)	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Acrogonophus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Amphionemis gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Chalybeothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and able to traverse urban infrastructure if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Copera vitata</i>	Variable featherlegs	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Drapanoides quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed damselfly	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Indohemix carinata</i>	White-tipped demon	Near Threatened	Critically Endangered	Operation	Loss of reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and able to traverse urban infrastructure if needed	Low	Unlikely	No major new buildings		Negligible		Low	Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Podolestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Odonate	No	<i>Pseudoneura coffaris</i>	Collared threadtail	Least Concern	Vulnerable	Operation	Loss of reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Unlikely	No major new buildings		Minor		High	High	Unlikely	Minor
Fauna	Bat	No	<i>Chironomops torquatus</i>	Naked bulldog bat	Least Concern	Critically Endangered	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible



Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bat	No	<i>Emballonura monticola</i>	Lesser sheath-tailed bat	Least Concern	Critically Endangered	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	Yes	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Hipposideros beccarii</i>	Bicoloured roundleaf bat	Least Concern	Endangered	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Pteropus lucasii</i>	Dusky fruit bat	Least Concern	Critically Endangered	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened, CITES protected (Appendix I)	Critically Endangered	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less Likely	Minor
Fauna	Bat	No	<i>Tyloterotis luvulae</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bat	No	<i>Tyloterotis malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Anthidium smithii</i>	NA	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Cassina fuliginosa</i>	NA	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Ceratina edwardsi</i>	NA	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lasiglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Lipochthes takawensis</i>	NA	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bee	No	<i>Pachygastris intricata</i>	NA	Not Assessed	Critically Endangered	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Alcedo purpurea</i>	Purple heron	Least Concern	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Brachyopus melanocapillus</i>	Black-headed bulbul	Least Concern	Critically Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Chloropsis cyathogon</i>	Lesser green leafbird	Near Threatened	Critically Endangered	Operation	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less Likely	Minor
Fauna	Bird	No	<i>Chloropsis sonnerati</i>	Greater green leafbird	Endangered	Critically Endangered	Operation	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less Likely	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthopychus</i>	Violet cuckoo	Least Concern	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Coffocala affinis</i>	Plume-tailed swiftlet	Least Concern	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Bird	No	<i>Copsychus malabaricus</i>	White-rumped shama	Least Concern, CITES protected (Appendix II)	Endangered	Operation	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less Likely	Minor
Fauna	Bird	Yes	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operation	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less Likely	Minor
Fauna	Bird	Yes	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Cyanus brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Dendrocygna javanica</i>	Lesser whistling duck	Least Concern	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Dicaeum chrysorrheum</i>	Yellow-bellied flowerpecker	Least Concern	Critically Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Haliastur intermedius</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Ithyophaga ithyophaga</i>	Grey-headed fish eagle	Near Threatened, CITES protected (Appendix I)	Vulnerable	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less Likely	Minor
Fauna	Bird	No	<i>Halipais personatus</i>	Masked finfoot	Endangered	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S x I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C x L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bird	No	<i>Kittaka kittaku</i>	Buffy fish owl	Least Concern, CITES protected (Appendix I)	Vulnerable	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Nettion coromandelianus</i>	Colton pygmy goose	Least Concern	Critically Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Nisaeetus cirrhatus</i>	Changeable hawk-eagle	Least Concern, CITES protected (Appendix I)	Vulnerable	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Myciobes ruficorax</i>	Black-crowned night heron	Least Concern	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Platycula longicauda</i>	Long-tailed parakeet	Vulnerable, CITES protected (Appendix I)	Near Threatened	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Platinnus cyanurus</i>	Blue-rumped parrot	Near Threatened, CITES protected (Appendix I)	Endangered	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Pycnonotus brunneus</i>	Asian red-eyed bulbul	Least Concern	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Pycnonotus simplex</i>	Cream-vented bulbul	Least Concern	Vulnerable	Operation	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered, CITES protected (Appendix I)	Endangered	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern, CITES protected (Appendix I)	Critically Endangered	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	No	<i>Strix selpeuto</i>	Spotted wood owl	Least Concern, CITES protected (Appendix I)	Vulnerable	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Surniculus lugubris</i>	Square-tailed drongo-cuckoo	Least Concern	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Tachybaptus ruficollis</i>	Little grebe	Least Concern	Critically Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	No	<i>Treron curvirostris</i>	Thick-billed green pigeon	Least Concern	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Operation	Poaching	High	Medium	Species that are possibly susceptible to poaching; commonly traded as pets	Medium	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		Medium	Medium	Less likely	Minor
Fauna	Butterfly	No	<i>Anoema blanda blanda</i>	Silver royal	Not Assessed	Critically Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimela amphimela</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala antemela antemela</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolpini maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Arhopala sithatensis azores</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Asciobaptus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Borbo cinerea</i>	Formosan swift	Not Assessed	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Callisto malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancya</i>	Ancya blue	Not Assessed	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Charaxes soton echo</i>	Black rajah	Not Assessed	Critically Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Discophora sondaca despolata</i>	Common duffer	Not Assessed	Critically Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Butterfly	No	<i>Gangara abadeke lebedake</i>	Banded redevy	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Jarvisia alactoe apaladus</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Mantis hypoleuca torana</i>	Green imperial	Not Assessed	Nationally Extinct	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sulfine blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactorus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nacaduba saraya alioi</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Nepes narta hanta</i>	Chocolate sailor	Not Assessed	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Pachites aristobolus asteris</i>	Common rose	Not Assessed	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helan	Not Assessed	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	Yes	<i>Pitaneus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Rachana jalintra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Sustans everyx everyx</i>	White palm bob	Not Assessed	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Tapena thealtesia bornea</i>	Dark fat	Not Assessed	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Telcodia color stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Toxotes helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix I)	Vulnerable	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Butterfly	No	<i>Zefa storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Boliga melanota</i>	Gold-ringed cat snake	Least Concern	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Oligodon signatus</i>	Barred kumi snake	Least Concern	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Ophiophagus hannah</i>	King cobra	Vulnerable; CITES protected (Appendix I)	Vulnerable	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Non-marine snake	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine snake	No	<i>Sibynophis melanoccephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible
Fauna	Non-marine turtle	No	<i>Amydia cartilaginea</i>	Asian softshell turtle	Vulnerable; CITES protected (Appendix I)	Vulnerable	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Species spends most time in stream, which is far away from trails	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Non-marine turtle	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix I)	Near Threatened	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Galeopterus variegatus</i>	Sunda colugo	Least Concern	Near Threatened	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Non-volant mammal	Yes	<i>Iomys horsfieldi</i>	Horsfield's flying squirrel	Least Concern	Endangered	Operation	Poaching	High	Low	Species with low susceptibility to poaching; not commonly known to be traded as pets	Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Low	Low	Unlikely	Negligible

Appendix 11 - Impact Assessment on Fauna at D

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact Intensity (I)	Rationale for Impact Intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for Likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact Intensity	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Non-volant mammal	Yes	<i>Lungia pennicollata</i>	Smooth otter	Vulnerable; CITES protected (Appendix I)	Endangered	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Meris javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Protonailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Operation	Poaching	High	High	Species that are highly susceptible to poaching; listed on CITES Appendix I or II	High	Less Likely	Currently already accessible to public; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Minor		High	High	Less likely	Minor
Fauna	Odonate	No	<i>Acropomphus malayanus</i>	Malayan hooktail	Near Threatened	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Amphinemus gracilis</i>	Will-o-wisp	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Chalybeothemis fluvialis</i>	Green-eyed percher	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Copera vitata</i>	Variable featherlegs	Least Concern	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Drepanosticta quadrata</i>	Singapore shadowdamselfly	Not Assessed	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawk	Least Concern	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Indothemis carinata</i>	White-tipped demon	Near Threatened	Critically Endangered	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Problestes orientalis</i>	Blue-spotted flatwing	Least Concern	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible
Fauna	Odonate	No	<i>Prodasineura collata</i>	Collared threadtail	Least Concern	Vulnerable	Operation	Poaching	High	Negligible	Species with negligible susceptibility to poaching	Very Low	Unlikely	Not likely to be poached	Wildlife Act	Negligible		Negligible	Very Low	Unlikely	Negligible

## **APPENDIX 12**

### **IMPACT ASSESSMENT ON HABITATS AT BBTP (AREA D)**

Receptor Type	Type	Habitat	Phase	Impact type	Impact category	Sensitivity (S)	Key minimum controls	Impact intensity (I)	Reason	Consequence (C = S × I)	Likelihood (L)	Reason	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Construction	Loss of habitat	Direct	Priority 2		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Abandoned-land forest	Construction	Loss of habitat	Direct	Priority 2		Negligible	0.64% (0.11 ha)	Negligible	Unlikely	Overlaps with worksite	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Scrubland	Construction	Loss of habitat	Direct	Priority 3		Negligible	0.14% (0.006 ha)	Negligible	Unlikely	Overlaps with worksite	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Farm	Construction	Loss of habitat	Direct	Priority 3	Hoarding installation, TPZ installation, daily checks by EM	Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Urban vegetation	Construction	Loss of habitat	Direct	Priority 3		Low	7.25% (0.18 ha)	Very Low	Certain	Overlaps with worksite	Minor	Not applicable	Low	Very Low	Certain	Minor
Habitat	Aquatic	Stream D1a	Construction	Loss of habitat	Direct	Priority 2		Nealizable	No overlap	Negligible	Unlikely	No development	Nealizable	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QD1	Construction	Loss of habitat	Direct	Priority 2		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QD2	Construction	Loss of habitat	Direct	Priority 2		Negligible	No loss (boardwalk)	Negligible	Unlikely	No development (boardwalk)	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Construction	Habitat degradation	Indirect	Priority 2		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Abandoned-land forest	Construction	Habitat degradation	Indirect	Priority 2		Low	4.66% (0.79 ha)	Very Low	Less likely	Minimum controls	Nealizable	Not applicable	Low	Very Low	Less likely	Nealizable
Habitat	Terrestrial	Scrubland	Construction	Habitat degradation	Indirect	Priority 3	ECM implementation, proper stockpiling, DCM implementation, ensure noise levels within approved limits, daily checks by EM, avoid fogging	Low	1.02% (0.04 ha)	Very Low	Less likely	Minimum controls	Negligible	Not applicable	Low	Very Low	Less likely	Negligible
Habitat	Terrestrial	Farm	Construction	Habitat degradation	Indirect	Priority 3		Low	3.00% (0.003 ha)	Very Low	Less likely	Minimum controls	Negligible	Not applicable	Low	Very Low	Less likely	Negligible
Habitat	Terrestrial	Urban vegetation	Construction	Habitat degradation	Indirect	Priority 3		High	40.46% (0.97 ha)	Low	Less likely	Minimum controls	Minor	Not applicable	High	Low	Less likely	Minor
Habitat	Aquatic	Stream D1a	Construction	Habitat degradation	Indirect	Priority 2		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QD1	Construction	Habitat degradation	Indirect	Priority 2		Nealizable	No overlap	Nealizable	Unlikely	No development	Nealizable	Not applicable	Negligible	Negligible	Unlikely	Nealizable
Habitat	Aquatic	Quarry Lake QD2	Construction	Habitat degradation	Indirect	Priority 2		Medium	Considerable changes in surface water quality	Low	Less likely	Minimum controls	Minor	Not applicable	Medium	Low	Less likely	Minor
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Construction	Formation of edge effects	Indirect	Priority 2		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Abandoned-land forest	Construction	Formation of edge effects	Indirect	Priority 2		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Scrubland	Construction	Formation of edge effects	Indirect	Priority 3		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Farm	Construction	Formation of edge effects	Indirect	Priority 3		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Urban vegetation	Construction	Formation of edge effects	Indirect	Priority 3	NA	High	44.37% increase in P/A	Low	Less likely	Considerable development (arrival node) but habitat is already edge habitat	Minor	Not applicable	High	Low	Less likely	Minor
Habitat	Aquatic	Stream D1a	Construction	Formation of edge effects	Indirect	Priority 2		NA	NA	NA	Unlikely	NA	Negligible	Not applicable	NA	NA	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QD1	Construction	Formation of edge effects	Indirect	Priority 2		NA	NA	NA	Unlikely	NA	Negligible	Not applicable	NA	NA	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QD2	Construction	Formation of edge effects	Indirect	Priority 2		NA	NA	NA	Unlikely	NA	Negligible	Not applicable	NA	NA	Unlikely	Negligible
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Operational	Habitat degradation	Indirect	Priority 2		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Abandoned-land forest	Operational	Habitat degradation	Indirect	Priority 2		Low	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Scrubland	Operational	Habitat degradation	Indirect	Priority 3		Low	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Farm	Operational	Habitat degradation	Indirect	Priority 3		Low	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Terrestrial	Urban vegetation	Operational	Habitat degradation	Indirect	Priority 3	Avoid fogging	High	40.46% (0.97 ha)	Low	Possible	Accessible terrain and habitat degradation already present	Minor	Not applicable	High	Low	Less likely	Minor
Habitat	Aquatic	Stream D1a	Operational	Habitat degradation	Indirect	Priority 2		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QD1	Operational	Habitat degradation	Indirect	Priority 2		Negligible	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Negligible	Negligible	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QD2	Operational	Habitat degradation	Indirect	Priority 2		Low	Some changes in surface water quality	Very Low	Possible	Boardwalk with railing, surface runoff controlled but some littering expected	Minor	Not applicable	Low	Very Low	Less likely	Negligible
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Nealizable	No overlap	Nealizable	Unlikely	No development	Nealizable	Not applicable	Nealizable	Nealizable	Unlikely	Nealizable
Habitat	Terrestrial	Abandoned-land forest	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Low	4.66% (0.79 ha)	Very Low	Unlikely	Development is largely green	Negligible	Not applicable	Very Low	Very Low	Unlikely	Negligible
Habitat	Terrestrial	Scrubland	Operational	Changes in microclimatic conditions	Indirect	Priority 3		Low	1.02% (0.04 ha)	Very Low	Unlikely	Development is largely green	Negligible	Not applicable	Low	Very Low	Unlikely	Negligible
Habitat	Terrestrial	Farm	Operational	Changes in microclimatic conditions	Indirect	Priority 3	Ensure noise levels within approved limits, ensure dust levels within approved limits	Low	3.00% (0.003 ha)	Very Low	Unlikely	Development is largely green	Negligible	Not applicable	Low	Very Low	Unlikely	Negligible
Habitat	Terrestrial	Urban vegetation	Operational	Changes in microclimatic conditions	Indirect	Priority 3		High	40.46% (0.97 ha)	Low	Unlikely	Development is largely green	Negligible	Not applicable	High	Low	Unlikely	Negligible
Habitat	Aquatic	Stream D1a	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Nealizable	No overlap	Nealizable	Unlikely	No development	Nealizable	Not applicable	Nealizable	Nealizable	Unlikely	Nealizable
Habitat	Aquatic	Quarry Lake QD1	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Low	No overlap	Negligible	Unlikely	No development	Negligible	Not applicable	Low	Very Low	Unlikely	Negligible
Habitat	Aquatic	Quarry Lake QD2	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Low	2.45% (0.08 ha)	Very Low	Unlikely	Development is largely green	Negligible	Not applicable	Low	Very Low	Unlikely	Negligible
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		NA	NA	NA	NA	NA	NA	Not applicable	NA	NA	NA	NA
Habitat	Terrestrial	Abandoned-land forest	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		NA	NA	NA	NA	NA	NA	Not applicable	NA	NA	NA	NA
Habitat	Terrestrial	Scrubland	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 3		NA	NA	NA	NA	NA	NA	Not applicable	NA	NA	NA	NA
Habitat	Terrestrial	Farm	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 3		NA	NA	NA	NA	NA	NA	Not applicable	NA	NA	NA	NA
Habitat	Terrestrial	Urban vegetation	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 3		NA	NA	NA	NA	NA	NA	Not applicable	NA	NA	NA	NA
Habitat	Aquatic	Stream D1a	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		High	Detrimental to native-dominated habitat	Medium	Less likely	Aquatic habitat not easily accessible	Minor	Not applicable	High	Medium	Less likely	Minor
Habitat	Aquatic	Quarry Lake QD1	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		Low	Some impact to exotic-dominated habitat	Very Low	Less likely	No development	Negligible	Not applicable	Low	Very Low	Less likely	Negligible
Habitat	Aquatic	Quarry Lake QD2	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		Low	Some impact to exotic-dominated habitat	Very Low	Less likely	Aquatic habitat currently already easily accessible	Negligible	Not applicable	Low	Very Low	Less likely	Negligible

## **APPENDIX 13**

### **IMPACT ASSESSMENT ON PLANTS AT BBHNP (AREA E)**

Receptor Type	Type	Species	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance
Flora	Indirect	<i>Lomariopsis lineata</i>	Construction	Decline in plant health	High	High	1 specimen (only sole specimen in Study Area) affected indirectly by development of entrance and hydrology changes to stream	High	Likely	This species will likely be affected by the hydrological changes of the stream	NIL	Major	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Negligible	Very Low	Unlikely	Negligible
Flora	Indirect	<i>Bambusa vulgaris</i>	Construction	Decline in plant health	High	Low	5/14 specimen affected indirectly by development of trails and southern entrance/pond area	Low	Possible	Formation of some forest edges in a mix of forested and scrubland, areas; plant specimens previously in forested areas now exposed to some edge habitats	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Breynia discigera</i>	Construction	Decline in plant health	High	Low	2/5 specimens affected indirectly by the development of trails	Low	Possible	Formation of some forest edges in a mix of forested and scrubland, areas; plant specimens previously in forested areas now exposed to some edge habitats	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Bridelia stipularis</i>	Construction	Decline in plant health	High	Low	7/16 specimens affected indirectly by development of trails	Low	Possible	Formation of some forest edges in a mix of forested, scrubland, and urban vegetation areas; plant specimens previously in forested areas now exposed to some edge habitats	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Campnosperma auriculatum</i>	Construction	Decline in plant health	High	Medium	1/2 specimen will be indirectly affected by the development of secondary entrance at the north	Medium	Unlikely	No formation of forest edges (i.e., construction activities will be at existing GFRC trail which is already non-forested)	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Clerodendrum villosum</i>	Construction	Decline in plant health	High	High	All remaining specimens indirectly affected by the construction of arrival node and proposed wetland	High	Less likely	Formation of some forest edges in a mix of forested and scrubland area ; plant specimens previously in forested areas now exposed to some edge habitats	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Cyrtococcum patens</i>	Construction	Decline in plant health	High	High	All specimens indirectly affected by the primary entrance and pond construction	High	Unlikely	No formation of forest edges. Plant specimens remain in their original forested habitats	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Ficus apiocarpa</i>	Construction	Decline in plant health	High	Low	10/44 specimens affected by proposed trails	Low	Possible	Formation of some forest edges in a mix of forested and scrubland area ; plant specimens previously in forested areas now exposed to some edge habitats	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Glochidion zeylanicum var. zeylanicu.</i>	Construction	Decline in plant health	High	High	6/7 specimens affected indirectly by construction of main entrance	High	Less likely	Formation of some forest edges in a mix of forested and scrubland area ; plant specimens in forested area are already acclimatised to edge habitats. .	Implement soil erosion control measures	Minor	> Design for and implement dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions > conduct regular inspections to ensure contractor compliance with the EMMP > Adjust design footprint to ensure Priority 1 plant species are not within the impact zones > Adjust the construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	No change	No change	No change	Minor
Flora	Indirect	<i>Goniophlebium percussum</i>	Construction	Decline in plant health	High	Low	4/10 specimens indirectly affected by construction of proposed trails	Low	Possible	Formation of some forest edges in a mix of forested and scrubland area ; plant specimens previously in forested areas now exposed to some edge habitats.	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Guioa pubescens</i>	Construction	Decline in plant health	High	Low	1/3 specimens indirectly affected by construction of trails	Low	Possible	Formation of some forest edges in a mix of forested and scrubland area; plant specimens previously in forested areas now exposed to some edge habitats.	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Gynochthodes rigida</i>	Construction	Decline in plant health	High	Low	9/39 specimens affected indirectly by construction of trail	Low	Possible	Formation of some forest edges in a mix of forested and scrubland area; plant specimens previously in forested areas now exposed to some edge habitats.	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Limacia scandens</i>	Construction	Decline in plant health	High	Low	3/12 specimens indirectly affected by construction of primary entrance	Low	Possible	Formation of some forest edges in a mix of forested and scrubland area; plant specimens previously in forested areas now exposed to some edge habitats.	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Melicope lunu-ankenda</i>	Construction	Decline in plant health	High	Low	6/13 specimens indirectly affected by construction of trails and possible stream enhancement works	Low	Possible	Formation of some forest edges in a mix of forested and scrubland area; plant specimens previously in forested areas now exposed to some edge habitats.	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor



Flora	Indirect	<i>Oxyceros longiflorus</i>	Construction	Decline in plant health	High	Low	2/7 specimens indirectly affected by construction of the primary entrance and possible stream enhancement works	Low	Possible	Formation of some forest edges in a mix of forested and scrubland area; plant specimens previously in forested areas now exposed to some edge habitats.	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Tetracera fagifolia var. borneensis</i>	Construction	Decline in plant health	High	Low	3/15 specimens indirectly affected by construction of trails	Low	Possible	Formation of some forest edges in a mix of forested and scrubland area; plant specimens previously in forested areas now exposed to some edge habitats.	Implement soil erosion control measures	Minor	NA	No change	No change	No change	Minor
Flora	Indirect	<i>Anglesia splendens</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Conarus semidecandrus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Curculigo capitulata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Embelia canescens var. glabrescens</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Ficus vasculosa</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Hedyotis prostrata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Litsea umbellata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Macaranga hulletii</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Sticherus cf. truncatus</i>	Construction	Decline in plant health	High	Negligible	No specimen affected directly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Symplocos fasciculata</i>	Construction	Decline in plant health	High	Negligible	No specimen affected indirectly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Tetracera akara</i>	Construction	Decline in plant health	High	Negligible	No specimen affected directly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Indirect	<i>Xanthophyllum ellipticum</i>	Construction	Decline in plant health	High	Negligible	No specimen affected directly by development	Very Low	Unlikely	No specimen affected indirectly by development	NIL	Negligible	NA	No change	No change	No change	Negligible
Flora	Direct	<i>Bambusa vulgaris</i>	Construction	Mortality	High	Negligible	1/15 (< 10%) specimens affected by the entrance and pond construction	Very Low	Certain	Specimen located on the proposed footprint of worksite	NIL	Minor	> Avoid areas of high conservation value > Arborists to determine suitable TPZs for any trees that will be retained within the worksites > Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space > Transplant or salvage saplings of conservation significance > Adjust design footprint to avoid Priority 1 plant species > Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist	Negligible	Very Low	ot expected to happ	Negligible
Flora	Direct	<i>Ficus apiocarpa</i>	Construction	Mortality	High	Negligible	2/46 (< 10%) specimens affected by the construction of trails and entrances	Very Low	Certain	Specimen located on the proposed footprint of worksite	NIL	Minor	> Avoid areas of high conservation value > Adjust design footprint to avoid Priority 1 plant species > Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist > Arborists to determine suitable TPZs for any trees that will be retained within the worksites > Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space > Transplant or salvage saplings of conservation significance > Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries > Conduct regular site inspections to ensure contractor compliance with the EMMP	Negligible	Very Low	ot Expected to Happ	Negligible
Flora	Direct	<i>Melicope lunu-ankenda</i>	Construction	Mortality	High	Negligible	1/14 (<10%) specimens affected by the construction of trail	Very Low	Certain	Specimen located on the proposed footprint of worksite	NIL	Minor	> Avoid areas of high conservation value > Adjust design footprint to avoid Priority 1 plant species > Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist > Arborists to determine suitable TPZs for any trees that will be retained within the worksites > Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space > Transplant or salvage saplings of conservation significance > Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries > Conduct regular site inspections to ensure contractor compliance with the EMMP	Negligible	Very Low	ot Expected to Happ	Negligible

Flora	Direct	<i>Glochidion zeylanicum var. zeylanicu</i>	Construction	Mortality	High	Low	4/11 specimens affected by the construction of pond and south entrance	Low	Certain	Specimen located on the proposed footprint of worksite	NIL	Moderate	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	ot expected to happi	Negligible
Flora	Direct	<i>Guioa pubescens</i>	Construction	Mortality	High	Low	1/4 specimens affected by the construction of trail	Low	Certain	Specimen located on the proposed footprint of worksite	NIL	Moderate	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	ot expected to happi	Negligible
Flora	Direct	<i>Litsea umbellata</i>	Construction	Mortality	High	Low	1/4 specimens affected by the construction of trail	Low	Certain	Specimen located on the proposed footprint of worksite	NIL	Moderate	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	ot expected to happi	Negligible
Flora	Direct	<i>Oxyceros longiflorus</i>	Construction	Mortality	High	Low	1/8 specimens affected by the construction of trail	Low	Certain	Specimen located on the proposed footprint of worksite	NIL	Moderate	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the worksites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	ot expected to happi	Negligible

Flora	Direct	<i>Tetracera fagifolia var. borneensis</i>	Construction	Mortality	High	Low	1/16 (<10%) specimens affected by the construction of trail	Very Low	Certain	Specimen located on the proposed footprint of worksite	NIL	Minor	<ul style="list-style-type: none"> <li>&gt; Avoid areas of high conservation value</li> <li>&gt; Adjust design footprint to avoid Priority 1 plant species</li> <li>&gt; Adjust construction footprint of boardwalks and trails to avoid Priority 1 plant species, in consultation with a Flora Specialist</li> <li>&gt; Arborists to determine suitable TPZs for any trees that will be retained within the workites</li> <li>&gt; Ensure construction works, material and waste storage, access routes, etc., are kept within the boundaries of the worksite or agreed working space</li> <li>&gt; Transplant or salvage saplings of conservation significance</li> <li>&gt; Conduct regular inspections in the surrounding habitats to ensure no removal of vegetation has occurred beyond the agreed worksite boundaries</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> </ul>	Negligible	Very Low	Not expected to happen	Negligible
Flora	Direct	<i>Angelesia splendens</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Breynia discigera</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Bridelia stipularis</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Campnosperma auriculatum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Clerodendrum villosum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Connarus semidecandrus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Curculigo capitulata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Cyrtococcum patens</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Embelia canescens var. glabrescens</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Ficus vasculosa</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Goniophlebium percussum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Gynochthodes rigida</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Hedyotis prostrata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Limacia scandens</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Lomariopsis lineata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Macaranga hullettii</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Sticherus cf. truncatus</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Symplocos fasciculata</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Tetracera akara</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Direct	<i>Xanthophyllum ellipticum</i>	Construction	Mortality	High	Negligible	No specimen affected directly by development	Very Low	Not expected to happen	No specimen will be affected by impact of mortality	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Angelesia splendens</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Bambusa vulgaris</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	Install TPZ around trees that lies n close proximity to worksite and those that will be retained	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Breynia discigera</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Bridelia stipularis</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Campnosperma auriculatum</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	Install TPZ around trees that lies n close proximity to worksite and those that will be retained	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Clerodendrum villosum</i>	Operational	Poaching	High	Negligible	Specimens are too large to be poached	Very Low	Possible	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Connarus semidecandrus</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Unlikely	Specimens are clustered/spread out, and are inaccessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Curculigo capitulata</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Cyrtococcum patens</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Embelia canescens var. glabrescens</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Ficus apiocarpa</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Ficus vasculosa</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Glochidion zeylanicum var. zeylanicu</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Goniophlebium percussum</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	
Flora	Indirect	<i>Guioa pubescens</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are spread out, and accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible	

Flora	Indirect	<i>Gynochthodes rigida</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Hedyotis prostrata</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Limacia scandens</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Litsea umbellata</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Lomariopsis lineata</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are inaccessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Macaranga hulletii</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Melicope lunu-ankenda</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Oxyceros longiflorus</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Sticherus cf. truncatus</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are not accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Symplocos fasciculata</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Tetracera akara</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Tetracera fagifolia var. borneensis</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible
Flora	Indirect	<i>Xanthophyllum ellipticum</i>	Operational	Poaching	High	Negligible	No plant specimens of this species could get stolen (i.e., not charismatic, no ethnobotanical value)	Very Low	Less likely	Specimens are clustered/spread out, and are accessible to members of public	NIL	Negligible	No change	No change	No change	Negligible

## **APPENDIX 14**

### **IMPACT ASSESSMENT ON FAUNA AT BBHNP (AREA E)**

Receptor Type	Type	Recorded	Receptor (Scientific Name)	Receptor (Common Name)	Global Status (IUCN/CITES)	National Status	Phase	Impact type	Sensitivity (S)	Impact intensity (I)	Rationale for impact intensity	Consequence (C = S × I)	Likelihood (L)	Rationale for likelihood	Key minimum controls	Impact significance (C × L)	Key mitigation measures	Residual Impact intensity (I)	Residual consequence	Residual likelihood	Residual impact significance
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor

Fauna	Bee	No	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Low	Low	Expected to O	Negligible	

Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor



Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Medium	Possibly perceived as threat; highly tolerant of human presence	Medium	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Medium	Medium	Less likely	Minor
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site	Low	Low	Expected to O	Negligible	

Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible	
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible	
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible	
Fauna	Bee	No	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible	
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible	
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible	
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible	
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	High	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	High	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	High	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	Low	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	Medium	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	High	Very Low	Less likely	Negligible

Fauna	Bee	No	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	High	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Light disturbance	High	Negligible	Aculeata - not sensitive	Very Low	Less Likely	Night works expected to be minimal; safety-critical works only	No night works	Negligible	High	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Lasioglossum semirusatum</i>	NA	Not Assessed	Critically Endangered	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	Low	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	Low	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Construction	Human disturbance	High	Negligible	Not adversely affected by human presence	Very Low	Expected to C	Not adversely affected by human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Negligible	High	Very Low	Expected to O	Negligible

Fauna	Odonate	No	<i>Acia grion hisopa</i>	Blue slim	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of habitat (stream enhancement and wetland creation only)	Very Low	Expected to C	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of habitat (stream enhancement and wetland creation only)	Very Low	Expected to C	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of habitat (stream enhancement and wetland creation only)	Very Low	Expected to C	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Odonate	No	<i>Chalybithemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHP	High	Low	Possible	Minor
Fauna	Odonate	No	<i>Acia grion hisopa</i>	Blue slim	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Negligible	High	Low	Expected to O	Negligible
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Odonate	No	<i>Chalybithemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Negligible	High	Low	Expected to O	Negligible
Fauna	Odonate	No	<i>Acia grion hisopa</i>	Blue slim	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Odonate	No	<i>Chalybithemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Odonate	No	<i>Acia grion hisopa</i>	Blue slim	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Possible	Changes to watercourse	Moderate	Ensure unobstructed flow of water along existing watercourse during construction of Wetland and stream enhancement works	High	High	Less likely	Minor	
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Possible	Changes to watercourse	Moderate	Ensure unobstructed flow of water along existing watercourse during construction of Wetland and stream enhancement works	High	High	Less likely	Minor	
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Possible	Changes to watercourse	Moderate	Ensure unobstructed flow of water along existing watercourse during construction of Wetland and stream enhancement works	High	High	Less likely	Minor	

Fauna	Odonate	No	<i>Chalybiothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Expected to O	Negligible		
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	High	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Construction	Light disturbance	High	Medium	Crepuscular odonate - sensitive	Medium	Less Likely	Impact is a common occurrence during construction	No night works	Minor	High	Medium	Less likely	Minor	
Fauna	Odonate	No	<i>Chalybiothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Negligible	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Medium	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	High	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Negligible	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Chalybiothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Negligible	Low	Possible	Minor
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Caloris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redevye	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Medium	Low	Possible	Minor

Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Negligible	Low	Possible	Minor
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Negligible	Low	Possible	Minor
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Medium	Low	Possible	Minor
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Medium	Low	Possible	Minor
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Negligible	Low	Possible	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor

Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor
Fauna	Butterfly	No	<i>Arhopala eumolphus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Medium	Low	Possible	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Medium	Low	Possible	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyræ</i>	Ancyra blue	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Medium	Low	Possible	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Medium	Low	Possible	Minor
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor

Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor
Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	High	Low	Possible	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor



Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross-checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Caltoris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded reedeye	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible

Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya eliotti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible	Low	Low	Expected to O	Negligible

Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	Negligible	Low	Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	Negligible	Low	Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Pachlopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	Negligible	Low	Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	Negligible	Low	Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	Negligible	Low	Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Caltoris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections					
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible
														> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections					

Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolphus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancyræ</i>	Ancyra blue	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible

Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Pachiopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Caltoris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	Medium	Medium	Expected to O	Minor	
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Expected to O	Minor	
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Expected to O	Minor	
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Expected to O	Minor	

Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Exepected to O	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	Medium	Medium	Exepected to O	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	Medium	Medium	Exepected to O	Minor
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Arhopala eumolphus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyr</i>	Ancyra blue	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Exepected to O	Negligible

Fauna	Butterfly	No	<i>Nacaduba pactorus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	Medium	Medium	Exepected to O	Minor
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Exepected to O	Negligible
Fauna	Butterfly	No	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Exepected to O	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Exepected to O	Negligible
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Caltois malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	Minor	Low	Low	Less likely	Minor

Appendix 14 - Impact Assessment on Fauna at BBHNP (Area E)

Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyra</i>	Ancyra blue	Not Assessed	Vulnerable	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Construction	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Less Likely	Impact is not likely to happen during construction	No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor



Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Caltois malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded reedeye	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyr</i>	Ancyra blue	Not Assessed	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor

Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	Low	Low	Possible	Minor
																> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP				

Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Loss of/reduction in habitats and food sources	High	Negligible	No loss of habitat (stream enhancement and wetland creation only)	Very Low	Expected to C	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Negligible		Negligible	Very Low	Expected to O	Negligible
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas	High	High	Less likely	Minor

Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry</li> <li>&gt; Avoid fogging</li> <li>&gt; No night works</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry</li> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas</li> </ul>	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	High	Typically perceived as threat	High	Possible	Known to occur at construction sites	<ul style="list-style-type: none"> <li>&gt; Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry</li> <li>&gt; No night works</li> <li>&gt; Pre-felling fauna inspections</li> </ul>	Moderate	<ul style="list-style-type: none"> <li>&gt; Conduct regular site inspections to ensure contractor compliance with the EMMP</li> <li>&gt; Train site personnel on biodiversity awareness and actions to take when encountering wildlife</li> <li>&gt; Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site</li> <li>&gt; Train site personnel that feeding of wildlife is strictly prohibited</li> </ul>	High	High	Less likely	Minor

Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	High	Typically perceived as threat	High	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Train site personnel that feeding of wildlife is strictly prohibited	Low	High	Less likely	Minor
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Predominantly ground-dwelling; can be excluded with hoarding	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Predominantly ground-dwelling; can be excluded with hoarding	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	High	Typically perceived as threat	High	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Train site personnel that feeding of wildlife is strictly prohibited	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible		Negligible	Very Low	Expected to O	Negligible
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Less Likely	Ground-dwelling species; hoarding around Study Area may limit movement between other forest patches; currently fragmented by roads		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	Arboreal species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area		Minor		High	High	Expected to O	Minor
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Less Likely	Ground-dwelling species; hoarding around Study Area may limit movement between other forest patches; currently fragmented by roads		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Less Likely	Ground-dwelling species; hoarding around Study Area may limit movement between other forest patches; currently fragmented by roads		Minor		High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Less Likely	Ground-dwelling species; hoarding around Study Area may limit movement between other forest patches; currently fragmented by roads		Minor		High	High	Less likely	Minor

Appendix 14 - Impact Assessment on Fauna at BBHNP (Area E)

Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Considerable changes in waterbody that may affect connectivity for aquatic species	High	Possible	Changes to watercourse	Moderate	Ensure unobstructed flow of water along existing watercourse during construction of Wetland and stream enhancement works	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	Minor	No night works	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Light disturbance	High	Medium	Diurnal reptile	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	Minor	No night works	Medium	Medium	Less likely	Minor	
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	Minor	No night works	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	Minor	No night works	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Construction	Light disturbance	High	Medium	Diurnal reptile	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	Minor	No night works	Medium	Medium	Less likely	Minor	
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	Minor	No night works	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive	Moderate	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive	Moderate	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive	Moderate	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive	Moderate	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive	Moderate	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	Minor	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works		Low	Low	Less likely	Minor
Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	Moderate	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understorey plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	Moderate	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understorey plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor

Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor

Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible	
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible	
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible	
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible	
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible	



Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Low	Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Low	Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Low	Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Low	Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible

Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Chrysococcyx xanthurhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Expected to O	Negligible	

Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Exepected to O	Negligible
Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	Medium	Medium	Exepected to O	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Exepected to O	Negligible
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Exepected to O	Negligible
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Exepected to O	Negligible
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Exepected to O	Minor
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Exepected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	Medium	Medium	Exepected to O	Minor

Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Light disturbance	High	High	Migratory	High	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	High	High	Less likely	Minor
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Light disturbance	High	High	Migratory	High	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Light disturbance	High	High	Migratory	High	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	High	High	Less likely	Minor
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Light disturbance	High	High	Migratory	High	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	No night works	Minor	High	High	Less likely	Minor
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	No night works	Minor	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Construction	Light disturbance	High	Medium	Diurnal bird	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	Medium	Medium	Less likely	Minor

Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	High	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Major	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Construction	Human disturbance	High	High	Sensitive to human presence	High	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Major	> Restrict entry of site personnel beyond the worksite	High	High	Possible	Moderate
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Construction	Human disturbance	High	High	Sensitive to human presence	High	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Major	> Restrict entry of site personnel beyond the worksite	High	High	Possible	Moderate
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor		Low	Low	Less likely	Minor
Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor		Low	Low	Less likely	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Construction	Human disturbance	High	High	Sensitive to human presence	High	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Major	> Restrict entry of site personnel beyond the worksite	High	High	Possible	Moderate
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Construction	Human disturbance	High	High	Sensitive to human presence	High	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Major	> Restrict entry of site personnel beyond the worksite	High	High	Possible	Moderate
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Construction	Human disturbance	High	High	Sensitive to human presence	High	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Major	> Restrict entry of site personnel beyond the worksite	High	High	Possible	Moderate
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Human disturbance	High	High	Sensitive to human presence	High	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Major	> Restrict entry of site personnel beyond the worksite	High	High	Possible	Moderate
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive > Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate

Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Accidental injury or mortality	High	High	Attracted to construction sites	High	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas	High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Construction	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas	High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular hoarding inspections to ensure there are no gaps to prevent fauna entry > Conduct regular site inspections to ensure contractor compliance with the EMMP > Use only fully biodegradable erosion control blankets to avoid trapping fossorial fauna such as snakes > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Ensure good housekeeping such as provision of wildlife-proof food waste bins and enclosed eating areas	High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Possible	Known to occur at construction sites	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Moderate	> Conduct regular site inspections to ensure contractor compliance with the EMMP > Train site personnel on biodiversity awareness and actions to take when encountering wildlife > Formulate a wildlife response plan to be executed when trapped/ injured/ dead/ dangerous fauna is found on-site > Train site personnel that feeding of wildlife is strictly prohibited	High	High	Less likely	Minor

Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Predominantly ground-dwelling; can be excluded with hoarding	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Minor	Low	Low	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Predominantly ground-dwelling; can be excluded with hoarding	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Minor	Low	Low	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	Arboreal species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area		Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Less Likely	Ground-dwelling species; hoarding around Study Area may limit movement between other forest patches; currently fragmented by roads		Minor	High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Less Likely	Ground-dwelling species; hoarding around Study Area may limit movement between other forest patches; currently fragmented by roads		Minor	Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Light disturbance	High	Medium	Diurnal mammal	Medium	Less Likely	Impact could possibly happen or has been known to occur during construction	No night works	Minor	Medium	Medium	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	No night works	Minor	High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	No night works	Minor	High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Construction	Human disturbance	High	Low	Tolerant of human presence	Low	Less Likely	Tolerant of human presence	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Minor	Low	Low	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Construction	Human disturbance	High	High	Sensitive to human presence	High	Likely	Human traffic confined within worksites but construction areas are extensive	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Major	High	High	Possible	Moderate
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Construction	Human disturbance	High	High	Sensitive to human presence	High	Likely	Human traffic confined within worksites but construction areas are extensive	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Major	High	High	Possible	Moderate
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	Low	Low	Possible	Minor

Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Loss of/reduction in habitats and food sources	High	Low	Loss of <10% of habitat	Low	Certain	NA	> Erect hoardings to delineate worksites involving heavy machinery (i.e., Arrival Node and Wetland)	Moderate	> Avoid areas of high conservation value > For worksites involving manual work only (i.e., trails and boardwalks), ensure the extent of the working space is clearly demarcated on-site and cross checked by a Flora Specialist to avoid unnecessary vegetation clearance > Trail construction, only understory plants are removed when necessary, replanted elsewhere in BBHNP	Low	Low	Possible	Minor
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Construction	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during construction	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Negligible		Low	Low	Expected to O	Negligible
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	jury or mortality durin	High	Possible	2 bamboo clusters directly affected	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Moderate	> Conduct bamboo bat rescue and translocation	High	High	Less likely	Minor
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Accidental injury or mortality	High	High	jury or mortality durin	High	Possible	2 bamboo clusters directly affected	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > Avoid fogging > No night works > Pre-felling fauna inspections	Moderate	> Conduct bamboo bat rescue and translocation	High	High	Less likely	Minor
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	No night works	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to prevent fauna entry > No night works > Pre-felling fauna inspections	Minor		Low	Low	Less likely	Minor
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area		Minor		Medium	Medium	Expected to O	Minor



Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Expected to O	Minor		
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	Volant species; loss of habitat mainly at the edge of the forest; no fragmentation within Study Area	Minor	High	High	Expected to O	Minor		
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	No night works	Minor	High	High	Less likely	Minor	
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	No night works	Minor	High	High	Less likely	Minor	
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	No night works	Minor	High	High	Less likely	Minor	
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Light disturbance	High	High	Nocturnal	High	Less Likely	Impact is a common occurrence during construction	No night works	Minor	High	High	Less likely	Minor	
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Construction	Human disturbance	High	Medium	Possibly sensitive to human presence	Medium	Likely	Human traffic confined within worksites but construction areas are extensive	> Erect hoardings around worksites involving heavy machinery (i.e., Arrival Node and Wetland) to limit site personnel movement to within worksites > No night works	Moderate	> Restrict entry of site personnel beyond the worksite	Medium	Medium	Possible	Moderate
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Low	Low	Expected to O	Negligible	
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Low	Low	Expected to O	Negligible	



Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Operational	Poaching	High	Negligible	Negligible susceptibility to poaching	Very Low	Expected to C likely to be poac	Wildlife Act	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Operational	Poaching	High	Negligible	Negligible susceptibility to poaching	Very Low	Expected to C likely to be poac	Wildlife Act	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C No major new buildings		Negligible	Negligible	Low	Expected to O	Negligible
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Operational	Light disturbance	High	Negligible	culeata - not sensitiv	Very Low	Expected to C Not adversely affected by light		Negligible	Negligible	Very Low	Less likely	Negligible

Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Operational	Light disturbance	High	Negligible	.culeata - not sensitiv	Very Low	Exepected to C	Not adversely affected by light	Negligible	Negligible	Very Low	Less likely	Negligible
Fauna	Bee	No	<i>Amegilla insularis</i>	NA	Not Assessed	Vulnerable	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Ceratina fuliginosa</i>	NA	Not Assessed	Vulnerable	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Ceratina ridleyi</i>	NA	Not Assessed	Vulnerable	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Medium	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Nomada malayana</i>	NA	Not Assessed	Vulnerable	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Lasioglossum semirussatum</i>	NA	Not Assessed	Critically Endangered	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Lipotriches takauensis</i>	NA	Not Assessed	Vulnerable	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Nomia apicalis</i>	NA	Not Assessed	Critically Endangered	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Patellapis intricata</i>	NA	Not Assessed	Critically Endangered	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Anthidiellum smithii</i>	NA	Not Assessed	Vulnerable	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Megachile indonesica</i>	NA	Not Assessed	Vulnerable	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Megachile ornata</i>	NA	Not Assessed	Vulnerable	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Bee	No	<i>Megachile ramera</i>	NA	Not Assessed	Vulnerable	Operational	Human disturbance	High	Negligible	Not sensitive to human presence	Very Low	Exepected to C	Not adversely affected by human presence	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Exepected to C	Impact is not expected to happen during operation	Negligible	Low	Low	Exepected to O	Negligible
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Exepected to C	Impact is not expected to happen during operation	Negligible	Low	Low	Exepected to O	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Exepected to C	Impact is not expected to happen during operation	Negligible	Low	Low	Exepected to O	Negligible
Fauna	Odonate	No	<i>Chalybiothemis fluvialtilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Exepected to C	Impact is not expected to happen during operation	Negligible	Low	Low	Exepected to O	Negligible
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Exepected to C	NA	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Exepected to C	NA	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Exepected to C	NA	Negligible	Low	Very Low	Exepected to O	Negligible
Fauna	Odonate	No	<i>Chalybiothemis fluvialtilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Exepected to C	NA	Negligible	Low	Very Low	Exepected to O	Negligible

Appendix 14 - Impact Assessment on Fauna at BBHP (Area E)

Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Operational	Poaching	High	Negligible	Negligible susceptibility to poaching	Very Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Very Low	Expected to O	Negligible	
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Operational	Poaching	High	Negligible	Negligible susceptibility to poaching	Very Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Very Low	Expected to O	Negligible	
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Operational	Poaching	High	Negligible	Negligible susceptibility to poaching	Very Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Very Low	Expected to O	Negligible	
Fauna	Odonate	No	<i>Chalybiothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Operational	Poaching	High	Negligible	Negligible susceptibility to poaching	Very Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Very Low	Expected to O	Negligible	
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	Low	High	Expected to O	Minor	
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	Low	High	Expected to O	Minor	
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	Low	High	Expected to O	Minor	
Fauna	Odonate	No	<i>Chalybiothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	No major new buildings		Negligible	Low	Low	Expected to O	Negligible	
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Operational	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Likely	Park expected to be opened till 2200h		Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Operational	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Likely	Park expected to be opened till 2200h		Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Operational	Light disturbance	High	Medium	Crepuscular odonate - sensitive	Medium	Likely	Park expected to be opened till 2200h		Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Medium	Less likely	Minor
Fauna	Odonate	No	<i>Chalybiothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Operational	Light disturbance	High	Low	Odonate - slightly sensitive	Low	Likely	Park expected to be opened till 2200h		Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Odonate	No	<i>Aciagrion hisopa</i>	Blue slim	Least Concern	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence		Minor	Low	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Copera vittata</i>	Variable featherlegs	Least Concern	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence		Minor	High	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Gynacantha basiguttata</i>	Spoon-tailed duskhawker	Least Concern	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence		Minor	Medium	Low	Less likely	Minor	
Fauna	Odonate	No	<i>Chalybiothemis fluviatilis</i>	Green-eyed percher	Not Assessed	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence		Minor	High	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	High	Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Medium	Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Caltois malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	High	Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redevye	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Medium	Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Medium	Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Medium	Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	High	Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Medium	Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	Medium	Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	High	Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation		Negligible	High	Low	Expected to O	Negligible	

Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	Medium	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	Medium	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	Medium	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancyr</i>	Ancyra blue	Not Assessed	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	Medium	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	Medium	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	Medium	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Pachiopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	High	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Expected to C	Impact is not expected to happen during operation	Negligible	Medium	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Low	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Caltoris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redevye	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Low	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Low	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancyr</i>	Ancyra blue	Not Assessed	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible

## Appendix 14 - Impact Assessment on Fauna at BBHP (Area E)

Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Low	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	High	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Medium	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Caltoris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala eumolplus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Catopyrops ancya</i>	Ancya blue	Not Assessed	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible

Appendix 14 - Impact Assessment on Fauna at BBHNP (Area E)

Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings		Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings		Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Caloris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Expected to C	No major new buildings		Minor	Medium	Medium	Expected to O	Minor
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redevye	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	High	High	Expected to O	Minor
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings		Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings		Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	High	High	Expected to O	Minor
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	High	High	Expected to O	Minor
Fauna	Butterfly	No	<i>Tellicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings		Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	High	High	Expected to O	Minor
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Expected to C	No major new buildings		Minor	Medium	Medium	Expected to O	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Expected to C	No major new buildings		Minor	Medium	Medium	Expected to O	Minor
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	High	High	Expected to O	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	High	High	Expected to O	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	High	High	Expected to O	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyr</i>	Ancyra blue	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	No major new buildings		Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	No major new buildings		Negligible	Low	Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	High	High	Expected to O	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings		Negligible	Negligible	Very Low	Expected to O	Negligible
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	High	High	Expected to O	Minor
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor	High	High	Expected to O	Minor



Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Expected to C	No major new buildings	Minor	Medium	Medium	Expected to O	Minor	
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor	High	High	Expected to O	Minor	
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor	High	High	Expected to O	Minor	
Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor	High	High	Expected to O	Minor	
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor	High	High	Expected to O	Minor	
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings	Negligible	Negligible	Very Low	Expected to O	Negligible	
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Caloris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redeye	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Potanthus trachala tyleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyr</i>	Ancyra blue	Not Assessed	Vulnerable	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor

Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba pactolus odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pachiopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Operational	Light disturbance	High	Low	Butterfly - slightly sensitive	Low	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Astictopterus jama jama</i>	Forest hopper	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Borbo cinnara</i>	Formosan swift	Not Assessed	Endangered	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Caltoris malaya</i>	Malayan swift	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Gangara lebadea lebadea</i>	Banded redevye	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Pelopidas agna agna</i>	Bengal swift	Not Assessed	Endangered	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Potanthus trachala tytleri</i>	Detached dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Suastus everyx everyx</i>	White palm bob	Not Assessed	Endangered	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Tapena thwaitesi bornea</i>	Dark flat	Not Assessed	Endangered	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Telicota colon stinga</i>	Common palm dart	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Zela storeyi</i>	Storey's palmer	Not Assessed	Critically Endangered	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Ancema blanka blanka</i>	Silver royal	Not Assessed	Critically Endangered	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala amphimuta amphimuta</i>	NA	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala antimuta antimuta</i>	Small tailless oakblue	Not Assessed	Nationally Extinct	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala eumolpus maxwelli</i>	Green oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Arhopala silhetensis adorea</i>	Sylhet oakblue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Catopyrops ancyr</i>	Ancyra blue	Not Assessed	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Jamides alecto ageladas</i>	Metallic caerulean	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Manto hypoleuca terana</i>	Green imperial	Not Assessed	Nationally Extinct	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor
Fauna	Butterfly	No	<i>Nacaduba kurava nemana</i>	Transparent sixline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor		Low	Low	Less likely	Minor

Appendix 14 - Impact Assessment on Fauna at BBHNP (Area E)

Fauna	Butterfly	No	<i>Nacaduba pactorius odon</i>	Large fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Nacaduba sanaya elioti</i>	Jewel fourline blue	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Rachana jalindra burbona</i>	Banded royal	Not Assessed	Critically Endangered	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Charaxes solon echo</i>	Black rajah	Not Assessed	Critically Endangered	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Discophora sondaica despoliata</i>	Common duffer	Not Assessed	Critically Endangered	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Neptis harita harita</i>	Chocolate sailor	Not Assessed	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Vagrans sinha sinha</i>	Vagrant	Not Assessed	Nationally Extinct (Rediscovered)	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Pachliopta aristolochiae asteris</i>	Common rose	Not Assessed	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Papilio prexaspes prexaspes</i>	Blue helen	Not Assessed	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor	
Fauna	Butterfly	No	<i>Troides helena cerberus</i>	Common birdwing	Not Assessed; CITES protected (Appendix II)	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor	
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Target visitors are mostly residents from surrounding estates; no carpark; increase in traffic not substantial	Minor	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Target visitors are mostly residents from surrounding estates; no carpark; increase in traffic not substantial	Minor	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Target visitors are mostly residents from surrounding estates; no carpark; increase in traffic not substantial	Minor	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Target visitors are mostly residents from surrounding estates; no carpark; increase in traffic not substantial	Minor	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Target visitors are mostly residents from surrounding estates; no carpark; increase in traffic not substantial	Minor	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Accidental injury or mortality	High	High	Terrestrial reptile - high susceptibility	High	Less Likely	Target visitors are mostly residents from surrounding estates; no carpark; increase in traffic not substantial	Minor	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Possible	Reptile - possibly implicated in human-wildlife conflict	Moderate	> Put up signages to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof > Close park during the night (1900-0700h)	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Reptile not known to be implicated in human-wildlife conflict	Minor	Low	Low	Less likely	Minor	
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Reptile not known to be implicated in human-wildlife conflict	Minor	Low	Low	Less likely	Minor	
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Reptile not known to be implicated in human-wildlife conflict	Minor	Low	Low	Less likely	Minor	

Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Possible	Reptile - possibly implicated in human-wildlife conflict	Moderate	> Put up signages to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible		Negligible	Very Low	Expected to O	Negligible	
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C	likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible	
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor	
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor	
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor	
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor	
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor	
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor	
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Operational	Light disturbance	High	Medium	Diurnal reptile	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor	
Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Operational	Light disturbance	High	Medium	Diurnal reptile	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor	
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor	
Fauna	Reptiles	No	<i>Boiga cynodon</i>	Dog-toothed cat snake	Least Concern	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human ;	Medium	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Close park during the night (1900-0700h) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor	
Fauna	Reptiles	No	<i>Gonyosoma oxycephalum</i>	Red-tailed racer	Least Concern	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human ;	Medium	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor	

Fauna	Reptiles	No	<i>Oligodon signatus</i>	Barred kukri snake	Least Concern	Endangered	Operational	Human disturbance	High	Medium	sensitive to human i	Medium	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Close park during the night (1900-0700h) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Ptyas fusca</i>	White-bellied rat snake	Least Concern	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human i	Medium	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Close park during the night (1900-0700h) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Sibynophis melanocephalus</i>	Black-headed collared snake	Least Concern	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human i	Medium	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Reptiles	No	<i>Cuora amboinensis</i>	Malayan box terrapin	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Human disturbance	High	Low	sensitive to human p	Low	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Close park during the night (1900-0700h) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Low	Low	Possible	Minor
Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Expected to C	No major new buildings	Minor		Medium	Medium	Expected to O	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Expected to C	No major new buildings	Minor		Medium	Medium	Expected to O	Minor
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Expected to C	No major new buildings	Minor		Medium	Medium	Expected to O	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operational	Accidental injury or mortality	High	High	Migratory	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Expected to C	Impact is not expected to happen during operation	Negligible		Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Expected to C	Impact is not expected to happen during operation	Negligible		Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Chrysococcyx xanthurhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	High	Migratory	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	High	Migratory	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Expected to C	No major new buildings	Minor		Medium	Medium	Expected to O	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operational	Accidental injury or mortality	High	High	Migratory	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Accidental injury or mortality	High	High	Forest edge frugivore	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Operational	Accidental injury or mortality	High	High	Forest edge frugivore	High	Expected to C	No major new buildings	Minor		High	High	Expected to O	Minor
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Expected to C	No major new buildings	Minor		Medium	Medium	Expected to O	Minor
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Accidental injury or mortality	High	Medium	Resident with known records of bird-building collision	Medium	Expected to C	No major new buildings	Minor		Medium	Medium	Expected to O	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	Low	Low susceptibility to bird building collision	Low	Expected to C	Impact is not expected to happen during operation	Negligible		Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible		Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible		Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible		Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible		Negligible	Very Low	Expected to O	Negligible

Appendix 14 - Impact Assessment on Fauna at BBHNP (Area E)

Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Negligible	Not perceived as nuisance or threat	Very Low	Expected to C	NA	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Operational	Poaching	High	Negligible	Negligible susceptibility to poaching	Very Low	Expected to C likely to be poac	Wildlife Act	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible		
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible		
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operational	Poaching	High	Medium	Commonly traded as pets	Medium	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Moderate	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operational	Poaching	High	Low	Not commonly known to be traded as pets	Low	Expected to C likely to be poac	Wildlife Act	Negligible	Low	Low	Expected to O	Negligible		
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor

Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Operational	Poaching	High	Medium	Commonly traded as pets	Medium	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Moderate	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	No major new buildings		Negligible		Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	No major new buildings		Negligible		Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor		High	High	Expected to O	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor		High	High	Expected to O	Minor
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings		Negligible		Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Expected to C	No major new buildings		Minor		Medium	Medium	Expected to O	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthurhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor		High	High	Expected to O	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings		Negligible		Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	No major new buildings		Negligible		Low	Low	Expected to O	Negligible
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings		Negligible		Negligible	Very Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	No major new buildings		Negligible		Low	Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings		Minor		High	High	Expected to O	Minor
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Expected to C	No major new buildings		Minor		Medium	Medium	Expected to O	Minor
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Low	Slightly dependent on connected habitats for dispersal and adaptable to traverse urban infrastructures if needed	Low	Expected to C	No major new buildings		Negligible		Low	Low	Expected to O	Negligible
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings		Negligible		Negligible	Very Low	Expected to O	Negligible

Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Light disturbance	High	Medium	Diurnal bird	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Operational	Light disturbance	High	Medium	Diurnal bird	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operational	Light disturbance	High	Medium	Diurnal bird	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operational	Light disturbance	High	High	Migratory	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Operational	Light disturbance	High	Medium	Diurnal bird	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operational	Light disturbance	High	Medium	Diurnal bird	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Operational	Light disturbance	High	High	Migratory	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operational	Light disturbance	High	High	Migratory	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operational	Light disturbance	High	Medium	Diurnal bird	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operational	Light disturbance	High	High	Migratory	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Light disturbance	High	Medium	Diurnal bird	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Operational	Light disturbance	High	Medium	Diurnal bird	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Operational	Light disturbance	High	Medium	Diurnal bird	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Nisaetus cirrhatus</i>	Changeable hawk-eagle	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human presence	Medium	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Spilornis cheela</i>	Crested serpent eagle	Least Concern; CITES protected (Appendix II)	Critically Endangered	Operational	Human disturbance	High	Medium	sensitive to human presence	Medium	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Alcedo meninting</i>	Blue-eared kingfisher	Least Concern	Endangered	Operational	Human disturbance	High	High	sensitive to human presence	High	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Halcyon coromanda</i>	Ruddy kingfisher	Least Concern	Critically Endangered	Operational	Human disturbance	High	High	sensitive to human presence	High	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bird	No	<i>Collocalia affinis</i>	Plume-toed swiftlet	Least Concern	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human presence	Low	Less Likely	Tolerant of human presence	Minor	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species	Low	Low	Less likely	Minor



Fauna	Bird	No	<i>Corvus macrorhynchos</i>	Large-billed crow	Least Concern	Vulnerable	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor
Fauna	Bird	No	<i>Chrysococcyx xanthorhynchus</i>	Violet cuckoo	Least Concern	Vulnerable	Operational	Human disturbance	High	High	sitive to human pres	High	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Lanius cristatus</i>	Brown shrike	Least Concern	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human i	Medium	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Copsychus saularis</i>	Oriental magpie-robin	Least Concern	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human i	Medium	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	Medium	Medium	Less likely	Minor
Fauna	Bird	No	<i>Cyornis brunneatus</i>	Brown-chested jungle flycatcher	Vulnerable	Vulnerable	Operational	Human disturbance	High	High	sitive to human pres	High	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	High	High	Less likely	Minor
Fauna	Bird	Yes	<i>Psittacula longicauda</i>	Long-tailed parakeet	Vulnerable; CITES protected (Appendix II)	Near Threatened	Operational	Human disturbance	High	Medium	sensitive to human i	Medium	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Pycnonotus zeylanicus</i>	Straw-headed bulbul	Critically Endangered; CITES protected (Appendix I)	Endangered	Operational	Human disturbance	High	High	sitive to human pres	High	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	High	High	Less likely	Minor
Fauna	Bird	No	<i>Ketupa ketupu</i>	Buffy fish owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Human disturbance	High	High	sitive to human pres	High	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Major	High	High	Possible	Moderate
Fauna	Bird	No	<i>Strix seloputo</i>	Spotted wood owl	Least Concern; CITES protected (Appendix II)	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human i	Medium	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Moderate	Medium	Medium	Less likely	Minor
Fauna	Bird	Yes	<i>Zosterops simplex</i>	Swinhoe's white-eye	Least Concern	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human i	Medium	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	Medium	Medium	Less likely	Minor

Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Operational	Accidental injury or mortality	High	High	Known to cross roads - highly susceptible to roadkills	High	Less Likely	Target visitors are mostly residents from surrounding estates; no carpark; increase in traffic not substantial	Minor	High	High	Less likely	Minor		
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Operational	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Less Likely	Target visitors are mostly residents from surrounding estates; no carpark; increase in traffic not substantial	Minor	High	High	Less likely	Minor		
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operational	Accidental injury or mortality	High	High	Ground-dwelling mammal - highly susceptible to roadkills	High	Less Likely	Target visitors are mostly residents from surrounding estates; no carpark; increase in traffic not substantial	Minor	High	High	Less likely	Minor		
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Operational	Human-Wildlife conflict	High	High	Typically perceived as both nuisance and threat	High	Possible	Mammal - possibly implicated in human-wildlife conflict	Moderate	> Put up signages to educate visitors on appropriate behaviours when encountering fauna > Design bins to be wildlife-proof	High	High	Less likely	Minor	
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	Mammal not known to be implicated in human-wildlife conflict	Minor	Low	Low	Less likely	Minor		
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance, less tolerant of human presence	Low	Less Likely	Mammal not known to be implicated in human-wildlife conflict	Minor	Low	Low	Less likely	Minor		
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Expected to C	No major new buildings	Negligible	Negligible	Very Low	Expected to O	Negligible		
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Expected to C	No major new buildings	Minor	High	High	Expected to O	Minor		
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Expected to C	No major new buildings	Minor	Medium	Medium	Expected to O	Minor		
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Operational	Light disturbance	High	Medium	Diurnal mammal	Medium	Likely	Park expected to be opened till 2200h	Moderate	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	Medium	Medium	Less likely	Minor	
Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor	
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor	
Fauna	Non-volant mammal	Yes	<i>Macaca fascicularis</i>	Long-tailed macaque	Vulnerable; CITES protected (Appendix II)	Least Concern	Operational	Human disturbance	High	Low	sensitive to human p	Low	Less Likely	Tolerant of human presence	Minor	Low	Low	Less likely	Minor		

Fauna	Non-volant mammal	No	<i>Prionailurus bengalensis</i>	Leopard cat	Least Concern; CITES protected (Appendix I)	Critically Endangered	Operational	Human disturbance	High	High	sitive to human pres	High	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Major	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Close park during the night (1900-0700h) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Possible	Moderate	
Fauna	Non-volant mammal	No	<i>Manis javanica</i>	Sunda pangolin	Critically Endangered; CITES protected (Appendix I)	Critically Endangered	Operational	Human disturbance	High	High	sitive to human pres	High	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Major	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Close park during the night (1900-0700h) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	High	High	Possible	Moderate	
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Exepected to C	Impact is not expected to happen during operation	Negligible		Low	Low	Exepected to O	Negligible	
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Exepected to C	Impact is not expected to happen during operation	Negligible		Low	Low	Exepected to O	Negligible	
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Exepected to C	Impact is not expected to happen during operation	Negligible		Low	Low	Exepected to O	Negligible	
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operational	Accidental injury or mortality	High	Low	Volant - low susceptibility	Low	Exepected to C	Impact is not expected to happen during operation	Negligible		Low	Low	Exepected to O	Negligible	
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Mammal not known to be implicated in human-wildlife conflict	Minor		Low	Low	Less likely	Minor	
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Mammal not known to be implicated in human-wildlife conflict	Minor		Low	Low	Less likely	Minor	
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Mammal not known to be implicated in human-wildlife conflict	Minor		Low	Low	Less likely	Minor	
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operational	Human-Wildlife conflict	High	Low	Possibly perceived as nuisance; less tolerant of human presence	Low	Less Likely	Mammal not known to be implicated in human-wildlife conflict	Minor		Low	Low	Less likely	Minor	
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operational	Poaching	High	Negligible	Negligible susceptibility to poaching	Very Low	Exepected to C	likely to be poac	Wildlife Act	Negligible		Negligible	Very Low	Exepected to O	Negligible
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Operational	Poaching	High	High	CITES Appendix I or II	High	Likely	Increased accessibility to carry out poaching activities; Singapore's zero-tolerance stance to illegal wildlife trade	Wildlife Act	Major	> Conduct regular patrols to deter poaching activities > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail > Design for boardwalks and trails to deter visitors from venturing off-trail	High	High	Less likely	Minor
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operational	Poaching	High	Negligible	Negligible susceptibility to poaching	Very Low	Exepected to C	likely to be poac	Wildlife Act	Negligible		Negligible	Very Low	Exepected to O	Negligible
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operational	Poaching	High	Negligible	Negligible susceptibility to poaching	Very Low	Exepected to C	likely to be poac	Wildlife Act	Negligible		Negligible	Very Low	Exepected to O	Negligible
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Medium	Dependent on connected habitats for dispersal	Medium	Exepected to C	No major new buildings	Minor		Medium	Medium	Exepected to O	Minor	
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	Negligible	Not dependent on connected habitats for dispersal and able to traverse urban infrastructure	Very Low	Exepected to C	No major new buildings	Negligible		Negligible	Very Low	Exepected to O	Negligible	
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	No major new buildings	Minor		High	High	Exepected to O	Minor	
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operational	Loss of/reduction in ecological connectivity for faunal movement	High	High	Highly dependent on connected habitats for dispersal	High	Exepected to C	No major new buildings	Minor		High	High	Exepected to O	Minor	
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor	
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor	

Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operational	Light disturbance	High	High	Nocturnal	High	Likely	Park expected to be opened till 2200h	Major	> Incorporate wildlife-friendly lighting > Close the park and associated facilities to the public during the night (1900-0700 h)	High	High	Less likely	Minor
Fauna	Bat	No	<i>Eonycteris spelaea</i>	Cave nectar bat	Least Concern	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human	Medium	Possible	Human traffic confined within built-up areas, trails/boardwalks	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Pteropus vampyrus</i>	Large flying-fox	Near Threatened; CITES protected (Appendix II)	Critically Endangered	Operational	Human disturbance	High	Medium	sensitive to human	Medium	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Close park during the night (1900-0700h) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Tylonycteris fulvida</i>	Lesser bamboo bat	Least Concern	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human	Medium	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Close park during the night (1900-0700h) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor
Fauna	Bat	No	<i>Tylonycteris malayana</i>	Greater bamboo bat	Least Concern	Vulnerable	Operational	Human disturbance	High	Medium	sensitive to human	Medium	Likely	Human traffic confined within built-up areas, trails/boardwalks; park expected to be opened till 2200h	Moderate	> Conduct regular post-construction biodiversity monitoring to determine if the increased visitorship has affected fauna species > Design the boardwalks and trails to deter visitors from venturing off-trail (e.g., install railings) > Close park during the night (1900-0700h) > Design for dense landscaping along the sides of the proposed trails and boardwalks to deter visitors from venturing off-trail	Medium	Medium	Less likely	Minor

## **APPENDIX 15**

### **IMPACT ASSESSMENT ON HABITATS AT BBHNP (AREA E)**

Receptor Type	Type	Habitat	Phase	Impact type	Impact category	Sensitivity (S)	Key minimum controls	Impact intensity (I)	Reason	Consequence (C = S × I)	Likelihood (L)	Reason	Impact significance (C × L)	Key mitigation measures	Residual impact intensity	Residual consequence	Residual likelihood	Residual impact significance	Remarks
Habitat	Terrestrial	Native-dominated secondary forest	Construction	Loss of habitat	Direct	Priority 1		Negligible	No overlap	Very Low	Unlikely	No development	Negligible		Negligible	Very Low	Unlikely	Negligible	
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Construction	Loss of habitat	Direct	Priority 2		Low	< 10%	Very Low	Certain	Overlaps with worksite	Minor		Low	Very Low	Certain	Minor	
Habitat	Terrestrial	Abandoned-land forest	Construction	Loss of habitat	Direct	Priority 2	Hoarding installation, TPZ installation, daily checks by EM	Low	< 10%	Very Low	Certain	Overlaps with worksite	Minor		Low	Very Low	Certain	Minor	
Habitat	Terrestrial	Scrubland	Construction	Loss of habitat	Direct	Priority 3		Low	< 10%	Very Low	Certain	Overlaps with worksite	Minor		Low	Very Low	Certain	Minor	
Habitat	Aquatic	Stream E1a	Construction	Loss of habitat	Direct	Priority 2		Negligible	No loss (stream enhancement and wetland creation)	Imperceptible	Unlikely	No loss (stream enhancement and wetland creation)	Negligible		Negligible	Imperceptible	Unlikely	Negligible	
Habitat	Terrestrial	Native-dominated secondary forest	Construction	Habitat degradation	Indirect	Priority 1		Negligible	No overlap	Very Low	Unlikely	No development	Negligible		Negligible	Very Low	Unlikely	Negligible	
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Construction	Habitat degradation	Indirect	Priority 2	ECM implementation, proper stockpiling, DCM implementation, ensure noise levels within approved limits, daily checks by EM, avoid fogging	Medium	14.2% (1.06 ha)	Low	Less likely	Minimum controls	Minor		Medium	Low	Less likely	Minor	
Habitat	Terrestrial	Abandoned-land forest	Construction	Habitat degradation	Indirect	Priority 2		High	42.3% (1.06 ha)	Medium	Less likely	Minimum controls	Minor		High	Medium	Less likely	Minor	
Habitat	Terrestrial	Scrubland	Construction	Habitat degradation	Indirect	Priority 3		Medium	12.1% (0.261 ha)	Very Low	Less likely	Minimum controls	Negligible		Medium	Very Low	Less likely	Negligible	
Habitat	Aquatic	Stream E1a	Construction	Habitat degradation	Indirect	Priority 2		Low	Some changes in surface water quality	Very Low	Less likely	Minimum controls	Negligible		Low	Very Low	Less likely	Negligible	
Habitat	Terrestrial	Native-dominated secondary forest	Construction	Formation of edge effects	Indirect	Priority 1		Negligible	No overlap	Very Low	Unlikely	No overlap	Negligible		Negligible	Very Low	Unlikely	Negligible	NIL
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Construction	Formation of edge effects	Indirect	Priority 2		High	> 40% increase in P/A	Medium	Less likely	Small development (trail)	Minor		High	Medium	Less likely	Minor	NIL
Habitat	Terrestrial	Abandoned-land forest	Construction	Formation of edge effects	Indirect	Priority 2		High	> 40% increase in P/A	Medium	Less likely	The proposed entrance [i.e., arrival node] and wetland creation will be created mostly within the footprint of existing old trails within BBHNP. Clearance within the understorey layer of this habitat type would be done selectively with the aim to retain as much existing vegetation/forest structure as possible.	> Design for dense landscaping and infill planting at areas that are cleared, at existing gaps in forested areas, and along the sides of the proposed trails and boardwalks to buffer the surrounding forested areas from changes in microclimatic conditions	High	Medium	Less likely	Minor	No change to impact significance. Impact cannot be lowered anymore.	
Habitat	Terrestrial	Scrubland	Construction	Formation of edge effects	Indirect	Priority 3	NA	High	> 40% increase in P/A	Low	Less likely	Considerable development (main entrance and wetland creation) but habitat is already edge habitat	Minor	Infill planting at certain areas within this habitat type, especially near the proposed arrival node and wetland.	High	Low	Less likely	Minor	NIL
Habitat	Aquatic	Stream E1a	Construction	Formation of edge effects	Indirect	Priority 2		NA	NA	NA	NA	This impact was qualitatively assessed. Currently, the stream is already exposed to changes to microclimate and edge effects due to the ongoing site clearance and development adjacent to BBHNP. Proposed trails will be created within the footprint of existing old trails within BBHNP. As such, clearance within the understorey layer of this habitat type shall be done selectively to retain as much existing vegetation/forest structure as possible.	Enhancement works	NA	NA	NA	NA	Minor	The proposed enhancement works to this habitat may result in positive impact significance during the operational phase.
Habitat	Terrestrial	Native-dominated secondary forest	Operational	Habitat degradation	Indirect	Priority 1		Negligible	No overlap	Very Low	Unlikely	No development	Negligible		Negligible	Very Low	Unlikely	Negligible	
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Operational	Habitat degradation	Indirect	Priority 2		Medium	14.2% (1.06 ha)	Low	Less likely	Trail with rope railing	Minor		Medium	Low	Less likely	Minor	
Habitat	Terrestrial	Abandoned-land forest	Operational	Habitat degradation	Indirect	Priority 2	Avoid fogging	High	42.3% (1.06 ha)	Medium	Less likely	Trail with rope railing	Minor		High	Medium	Less likely	Minor	
Habitat	Terrestrial	Scrubland	Operational	Habitat degradation	Indirect	Priority 3		Medium	12.1% (0.261 ha)	Very Low	Less likely	Trail with rope railing	Negligible		Medium	Very Low	Less likely	Negligible	
Habitat	Aquatic	Stream E1a	Operational	Habitat degradation	Indirect	Priority 2		Low	Some changes in surface water quality	Very Low	Less likely	Trails with rope railing, surface runoff controlled and littering not expected	Negligible		Low	Very Low	Less likely	Negligible	
Habitat	Terrestrial	Native-dominated secondary forest	Operational	Changes in microclimatic conditions	Indirect	Priority 1		Negligible	No overlap	Very Low	Unlikely	No development	Negligible		Negligible	Very Low	Unlikely	Negligible	
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Operational	Changes in microclimatic conditions	Indirect	Priority 2		Medium	14.2% (1.06 ha)	Low	Unlikely	Development is largely green	Negligible		Medium	Low	Unlikely	Negligible	
Habitat	Terrestrial	Abandoned-land forest	Operational	Changes in microclimatic conditions	Indirect	Priority 2	Ensure noise levels within approved limits, ensure dust levels within approved limits	High	42.3% (1.06 ha)	Medium	Unlikely	Development is largely green	Negligible		High	Medium	Unlikely	Negligible	
Habitat	Terrestrial	Scrubland	Operational	Changes in microclimatic conditions	Indirect	Priority 3		Medium	12.1% (0.261 ha)	Very Low	Unlikely	Development is largely green	Negligible		Medium	Very Low	Unlikely	Negligible	
Habitat	Aquatic	Stream E1a	Operational	Changes in microclimatic conditions	Indirect	Priority 2		High	>40% overlap	Medium	Unlikely	Development is largely green	Negligible		High	Medium	Unlikely	Negligible	
Habitat	Terrestrial	Native-dominated secondary forest	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 1		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	
Habitat	Terrestrial	Abandoned-land forest with native recruitment	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	
Habitat	Terrestrial	Abandoned-land forest	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	
Habitat	Terrestrial	Scrubland	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 3		NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	
Habitat	Aquatic	Stream E1a	Operational	Introduction of exotic species (aquatic habitats only)	Indirect	Priority 2		Low	Some impact to exotic-dominated habitat	Very Low	Certain	For members of public to visit, accessible to public	Minor		Low	Very Low	Certain	Minor	

## **APPENDIX 16 STREAM MAPPING AND CHARACTERISATION**

Appendix 16 - Stream Mapping and Characterisation

Area	Stream/Pond	Stream Mapping Point No.	Latitude	Longitude	Photo (in the order of: Left Bank, Downstream, Right Bank, Upstream and Stream Bed for Streams, when observer was facing downstream; North, East, South, West and Pond Bed for Ponds)				Bed Substrate and Bank Conditions	Riparian Vegetation	Bed Leaf Litter (%)	Canopy cover (%)	Remarks	Risk of Instability (1-4, 4 means highest)					Bank Erosion Hazard Score (Shortle and Giordanengo, 2017)	
														Bank composition	Bank angle	Vegetation cover	Active bank erosion	Bed stability		
B1	SB1a	MB1a_01	1.34719	103.76271						and supported by wet with riparian	<i>Adiantum latifolium</i> , <i>Ayastasia gangetica</i> ssp. <i>micrantha</i> , <i>Callisia repens</i> , <i>Christella subpubescens</i> , <i>Cyathula prostrata</i> , <i>Dioscorea sarabarensis</i> , <i>Erycibe tomentosa</i> , <i>Ficus fatulosa</i> , <i>Hevea brasiliensis</i> , <i>Piper sarmentosum</i>	5	70	Bridge and concretised drain downstream	1	2	1	1	3	38
B1	SB1a	MB1a_02	1.34727	103.76318						nd bare, right bank only shed) and	<i>Adiantum latifolium</i> , <i>Callisia repens</i> , <i>Caryota mitis</i> , <i>Centotheca lappacea</i> , <i>Claudia exaristata</i> , <i>Dielfenbachia seguine</i> var. <i>seguine</i> , <i>Dillenia suffruticosa</i> , <i>Dimocarpus longepedunculatus</i> , <i>Dioscorea sarabarensis</i> , <i>Erycibe tomentosa</i> , <i>Hevea brasiliensis</i> , <i>Syngonium podophyllum</i> , <i>Syzygium grande</i>	5	90	Bridge upstream	3	3	3	4	3	83
B1	SB1a	MB1a_03	1.34719	103.76340						nd right bank slightly station and leaf	<i>Aglaonema commutatum</i> , <i>Carallia suffruticosa</i> , <i>Caryota mitis</i> , <i>Dielfenbachia seguine</i> var. <i>seguine</i> , <i>Dioscorea sarabarensis</i> , <i>Epipremnum aureum</i> , <i>Erycibe tomentosa</i> , <i>Fibrousia lindtoris</i> , <i>Ficus fatulosa</i> , <i>Heterotis rotundifolia</i> , <i>Hevea brasiliensis</i> , <i>Leea indica</i> , <i>Piper sarmentosum</i> , <i>Rhaphis erecta</i> , <i>Syzygium grande</i> , <i>Syngonium podophyllum</i>	10	70	Culvert downstream; orange bloom on right bank	3	2	2	1	3	50
B1	SB1a	MB1a_04	1.34746	103.76349						and bare, left bank	<i>Adiantum latifolium</i> , <i>Alsephenia heteroxa</i> , <i>Callisia repens</i> , <i>Carallia suffruticosa</i> , <i>Caryota mitis</i> , <i>Centotheca lappacea</i> , <i>Christella subpubescens</i> , <i>Davallia denticulata</i> , <i>Dioscorea sarabarensis</i> , <i>Ficus fatulosa</i> , <i>Hevea brasiliensis</i> , <i>Heterotis rotundifolia</i> , <i>Macaranga griffithiana</i> , <i>Nepenthes bicalcarata</i> , <i>Piper sarmentosum</i> , <i>Spathiphyllum carnosifolium</i> , <i>Stenochlaena palustris</i> , <i>Syngonium podophyllum</i> , <i>Syzygium grande</i> , <i>Strachnum sparganophorum</i>	10	70	NA	3	4	4	3	3	83
B1	SB1a	MB1a_05	1.34751	103.76364						ht bank gentle an vegetation	<i>Alsephenia heteroxa</i> , <i>Adiantum latifolium</i> , <i>Ayastasia gangetica</i> ssp. <i>micrantha</i> , <i>Callisia repens</i> , <i>Christella subpubescens</i> , <i>Cinnamomum iners</i> , <i>Colocasia esculenta</i> , <i>Dioscorea sarabarensis</i> , <i>Erycibe tomentosa</i> , <i>Ficus fatulosa</i> , <i>Ficus variegata</i> , <i>Hevea brasiliensis</i> , <i>Nepenthes bicalcarata</i> , <i>Oncidium rostratum</i> , <i>Pleurocapitulum indicum</i> , <i>Piper sarmentosum</i> , <i>Stenochlaena palustris</i> , <i>Syngonium podophyllum</i>	5	60	NA	3	2	1	1	3	46
B1	SB1a	MB1a_06	1.34778	103.76391						in (roots exposed than vegetation, right an vegetation	<i>Adiantum latifolium</i> , <i>Alsephenia heteroxa</i> , <i>Asplenium nidus</i> , <i>Ayastasia gangetica</i> ssp. <i>micrantha</i> , <i>Colocasia esculenta</i> , <i>Dioscorea sarabarensis</i> , <i>Durio zibethicus</i> , <i>Ficus punctata</i> , <i>Hevea brasiliensis</i> , <i>Leea indica</i> , <i>Piper sarmentosum</i> , <i>Spathiphyllum carnosifolium</i> , <i>Stenochlaena palustris</i> , <i>Syngonium podophyllum</i>	15	70	NA	3	3	2	4	3	79
B1	SB1a	MB1a_07	1.34786	103.76412						ht bank gentle vegetation, Tree fall	<i>Adiantum latifolium</i> , <i>Aglaonema commutatum</i> , <i>Asplenium nidus</i> , <i>Antiaris heterophylla</i> , <i>Bambusa vulgaris</i> , <i>Callisia repens</i> , <i>Carallia suffruticosa</i> , <i>Caryota mitis</i> , <i>Cinnamomum iners</i> , <i>Dielfenbachia seguine</i> var. <i>seguine</i> , <i>Dioscorea sarabarensis</i> , <i>Epipremnum aureum</i> , <i>Epipremnum pinnatum</i> , <i>Ficus fatulosa</i> , <i>Flagellaria indica</i> , <i>Hevea brasiliensis</i> , <i>Leea indica</i> , <i>Piper sarmentosum</i> , <i>Phytolacca macarthurii</i> , <i>Stenochlaena palustris</i> , <i>Syngonium podophyllum</i> , <i>Syzygium grande</i>	10	80	NA	3	2	1	4	3	71
B1	SB1a	MB1a_08	1.34801	103.76435						ry erosion (roots than vegetation	<i>Adiantum latifolium</i> , <i>Aglaonema commutatum</i> , <i>Alsephenia heteroxa</i> , <i>Angiopteris evecta</i> , <i>Aphetandra Sinclairiana</i> , <i>Carallia suffruticosa</i> , <i>Christella cf. subpubescens</i> , <i>Christella subpubescens</i> , <i>Cordia alliodora</i> , <i>Davallia denticulata</i> , <i>Dielfenbachia seguine</i> var. <i>seguine</i> , <i>Dioscorea sarabarensis</i> , <i>Ficus fatulosa</i> , <i>Hevea brasiliensis</i> , <i>Piper betle</i> , <i>Stenochlaena palustris</i> , <i>Syzygium grande</i> , <i>Syzygium polyanthum</i>	5	85	Broken concretised drain structures upstream	3	4	1	4	3	79
B1	SB1a	MB1a_09	1.34809	103.76498						ion (roots exposed an	<i>Adiantum latifolium</i> , <i>Aglaonema commutatum</i> , <i>Angiopteris evecta</i> , <i>Bambusa sp.</i> , <i>Cordia alliodora</i> , <i>Dioscorea sarabarensis</i> , <i>Erycibe tomentosa</i> , <i>Ficus fatulosa</i> , <i>Gynostichia triphylla</i> , <i>Hevea brasiliensis</i> , <i>Lantana domestica</i> , <i>Strachnum sparganophorum</i> , <i>Syngonium podophyllum</i> , <i>Syzygium grande</i> , <i>Syzygium pycnanthum</i>	5	80	Concretised drain section downstream	2	4	3	3	3	75



Appendix 16 - Stream Mapping and Characterisation































B1	SB1a	MB1a_10	1.34808	103.76512						Adiantum latifolium, Aglaonema commutatum, Anisoptera evecta, Aristolochia cf. mangrovei, Caryota mitis, Dioscorea sarsiberenis, Ficus fatuosa, Garcinia mangostana, Hevea brasiliensis, Nephelium lappaceum, Psychosperma macarthurii, Strombosia javanica, Syngonium podophyllum, Syzygium grande	20	75	Intersection between stream tributaries	2	4	3	3	3	75
C1	SB1a	MB1a_11	1.34792	103.76568						Adiantum latifolium, Aglaonema commutatum, Alcaesia macrochloa, Epipremnum pinnatifidum, Erycibe tomentosa, Hevea brasiliensis, Leea indica, Piper sarmentosum, Psychosperma macarthurii, Syngonium podophyllum	5	90	Bridge with culvert downstream	2	1	2	1	1	33
C1	SB1a	MB1a_12	1.34776	103.76582						Adiantum latifolium, Alcaesia longiloba, Anisoptera evecta, Antrocarpus elasticus, Erycibe tomentosa, Gynopanax triphylla, Hevea brasiliensis, Syngonium podophyllum	10	95	NA	2	4	4	4	1	79
C1	SB1a	MB1a_13	1.34771	103.76597						Adiantum latifolium, Altophila latifolia, Ficus fatuosa, Ficus punctata, Gynopanax triphylla, Hevea brasiliensis, Leea indica, Miconia crenata	5	85	White biofilm on water surface	2	4	4	4	1	79
C1	SB1a	MB1a_14	1.34759	103.76625						Adiantum latifolium, Aglaonema commutatum, Cinnamomum zeylanicum, Dioscorea sarsiberenis, Epipremnum aurum, Hevea brasiliensis, Gynopanax triphylla, Lycopodium obscurum, Maranthus corymbosus, Nephelium lappaceum, Psychosperma macarthurii, Syngonium podophyllum, Syzygium grande	50	75	Concretised drain section leading to culvert downstream, some abandoned brick wall nearby	3	3	2	2	2	58
C1	SB1a	MB1a_15	1.34751	103.76664						Adiantum latifolium, Anisoptera evecta, Caryota mitis, Draecena fragrans, Epipremnum aurum, Erycibe tomentosa, Ficus fatuosa, Ficus punctata, Smilax setosa, Syzygium pycnanthemum, Syngonium podophyllum	80	85	NA	3	3	2	3	3	71
C1	SB1a	MB1a_16	1.34750	103.76686						Adiantum latifolium, Adiantum latifolium, Altophila latifolia, Antrocarpus elasticus, Caryota mitis, Elaeis guineensis, Erycibe tomentosa, Ficus fatuosa, Hevea brasiliensis, Miconia crenata, Mikania micrantha, Nephelium lappaceum, Smilax setosa, Syzygium grande	100	85	Broken concretised drain structures in stream	3	3	2	3	2	67
C1	SB1a	MB1a_17	1.34765	103.76721						Aglaonema commutatum, Adiantum latifolium, Cinnamomum zeylanicum, Erycibe tomentosa, Fibraurea tinctoria, Ficus fatuosa, Flagellaria indica, Hevea brasiliensis, Lycopodium obscurum, Nephelium lappaceum, Pandanus amaryllifolius, Psychosperma macarthurii, Syngonium podophyllum, Syzygium grande, Syzygium polyanthemum	100	85	Orange biofilm on water surface	3	1	1	1	2	38
B1	SB1a	MB1a_19	1.34824	103.76527						Adiantum latifolium, Aglaonema commutatum, Cinnamomum zeylanicum, Dioscorea sarsiberenis, Epipremnum aurum, Hevea brasiliensis, Philodendron sp., Syzygium grande, Syzygium lineatum, Spathiphyllum carnosifolium, Tarenna cf. mollis	20	85	NA	3	3	2	2	1	54
B1	SB1a	MB1a_20	1.34837	103.76549						Adiantum latifolium, Aglaonema commutatum, Antrocarpus elasticus, Centotheca lappacea, Chlidanthus andyabecensis, Conoclinium effusum, Embelia ribes, Hevea brasiliensis, Otlochloa indica, Spathiphyllum carnosifolium, Syngonium podophyllum, Syzygium grande	10	80	NA	3	1	2	1	3	46

Appendix 16 - Stream Mapping and Characterisation

01	SB1a	MB1a_21	1.34891	103.76575						Dense vegetation	<i>Adiantum latifolium</i> , <i>Axonopus compressus</i> , <i>Callisia repens</i> , <i>Ceratotheca lappacea</i> , <i>Colocasia esculenta</i> , <i>Dioscorea sarrabrensis</i> , <i>Hevea brasiliensis</i> , <i>Nepenthes lappaceum</i> , <i>Nepenthes binnaria</i> , <i>Horsfieldia cf. rya</i> , <i>Strobilanthes reptans</i> , <i>Zingiber cf. officinale</i>	10	65	Bridge: some orange biofilm on water surface	3	1	1	1	3	42
01	SB1a	MB1a_22	1.34897	103.76593						sloping and steep right bank flat	<i>Adiantum latifolium</i> , <i>Angiopteris evecta</i> , <i>Asplenium nidus</i> , <i>Axonopus compressus</i> , <i>Ceratotheca lappacea</i> , <i>Christella subpubescens</i> , <i>Desmodium triflorum</i> , <i>Ficus fatuosa</i> , <i>Hevea brasiliensis</i> , <i>Isachne globosa</i> , <i>Ochroma nudosa</i> , <i>Ternstroemia allichianus</i> , <i>Strobilanthes reptans</i> , <i>Lindernia crustacea</i> , <i>Strachium sparganophorum</i> , <i>Spermatocoe exilis</i> , <i>Phyllanthus urinaria</i>	5	65	NA	1	1	3	1	3	42
01	SB1a	MB1a_23	1.34916	103.76612						enforced by rocks	<i>Acrostichum cf. candidulum</i> , <i>Angiopteris evecta</i> , <i>Axonopus compressus</i> , <i>Callisia repens</i> , <i>Ceratotheca lappacea</i> , <i>Christella subpubescens</i> , <i>Crotalaria odorata</i> , <i>Desmodium triflorum</i> , <i>Ochroma nudosa</i> , <i>Horsfieldia cf. rya</i> , <i>Isachne globosa</i> , <i>Lindernia crustacea</i> , <i>Miconia crenata</i> , <i>Phyllanthus urinaria</i> , <i>Strachium sparganophorum</i> , <i>Syzygium pycnanthum</i>	10	80	Orange biofilm on water surface	1	1	1	1	3	33
02	SB2a	MB2a_01	1.35428	103.76291						steep and bare, left bank tree fall nearby	<i>Adiantum latifolium</i> , <i>Alcornoquea longiloba</i> , <i>Artocarpus elasticus</i> , <i>Caryota mitis</i> , <i>Ceratotheca lappacea</i> , <i>Combretum sp.</i> , <i>Ficus fatuosa</i> , <i>Hevea brasiliensis</i> , <i>Miconia crenata</i> , <i>Rhodamnia cinerea</i> , <i>Smilax setosa</i> , <i>Syzygium borneense</i>	20	70	Concretised drain downstream	3	3	4	3	3	79
02	SB2a	MB2a_02	1.35453	103.76314						heavy erosion (rocks) right bank bare	<i>Alcornoquea longiloba</i> , <i>Alcornoquea longiloba</i> , <i>Angiopteris evecta</i> , <i>Combretum sp.</i> , <i>Ficus fatuosa</i> , <i>Macaranga bancana</i> , <i>Nepenthes lappaceum</i> , <i>Schismatoglottis sp.</i> , <i>Uncaria cordata</i> , <i>Uncaria gambir</i>	60	85	NA	1	3	4	4	1	71
02	SB2b	MB2b_01	1.35358	103.76234						partially covered bare. Tree fall	<i>Angiopteris evecta</i> , <i>Bambusa vulgaris</i> , <i>Caryota mitis</i> , <i>Cheilocostus speciosus</i> , <i>Dialium indicum</i> , <i>eguium</i> , <i>Ficus fatuosa</i> , <i>Leea indica</i> , <i>Piper sarmentosum</i> , <i>Schismatoglottis sp.</i> , <i>Syngonium podophyllum</i>	5	85	Point was shifted slightly upstream due to tree fall	3	2	2	1	3	50
02	SB2b	MB2b_02	1.35354	103.76248						right bank steep with covered with riparian	<i>Adiantum latifolium</i> , <i>Aglaonema commutatum</i> , <i>Angiopteris evecta</i> , <i>Artocarpus jacksonianus</i> , <i>Caryota mitis</i> , <i>Ceratotheca lappacea</i> , <i>Chromolaena odorata</i> , <i>Ficus fatuosa</i> , <i>Gynerium sagittatum</i> , <i>Hevea brasiliensis</i> , <i>Leea indica</i> , <i>Miconia crenata</i> , <i>Piper sarmentosum</i> , <i>Schismatoglottis sp.</i> , <i>Syngonium podophyllum</i> , <i>Syzygium polyanthum</i>	10	80	Orange biofilm on left bank	3	3	1	2	3	58
02	SB2b	MB2b_03	1.35339	103.76269						right bank, right bank fully covered with	<i>Adiantum latifolium</i> , <i>Alcornoquea longiloba</i> , <i>Asplenium longissimum</i> , <i>Caryota mitis</i> , <i>Combretum sp.</i> , <i>Dillenia suffruticosa</i> , <i>Erythraea litoralis</i> , <i>Ficus fatuosa</i> , <i>Gynerium sagittatum</i> , <i>Schismatoglottis sp.</i>	30	85	NA	3	3	2	2	1	54
02	SB2b	MB2b_04	1.35345	103.76290						steep sloping and bare	<i>Adiantum latifolium</i> , <i>Alcornoquea longiloba</i> , <i>Alcornoquea longiloba</i> , <i>Angiopteris evecta</i> , <i>Artocarpus elasticus</i> , <i>Asplenium longissimum</i> , <i>Caryota mitis</i> , <i>Combretum sp.</i> , <i>Eleocharis petiolata</i> , <i>Ficus fatuosa</i> , <i>Macaranga bancana</i> , <i>Schismatoglottis sp.</i> , <i>Smilax setosa</i> , <i>Tectaria inaequalis</i>	40	85	Concretised drain on right bank	3	1	1	1	1	33
02	SB2b	MB2b_05	1.35340	103.76317						steep sloping and left bank with some	<i>Adiantum latifolium</i> , <i>Caryota mitis</i> , <i>Cheilocostus speciosus</i> , <i>Cissampelos grandis</i> , <i>Cissampelos grandis</i> , <i>Combretum sp.</i> , <i>Ficus fatuosa</i> , <i>Gynerium sagittatum</i> , <i>Hevea brasiliensis</i> , <i>Leea indica</i> , <i>Miconia crenata</i> , <i>Schismatoglottis sp.</i> , <i>Smilax setosa</i> , <i>Syzygium polyanthum</i> , <i>Syzygium grande</i>	30	80	NA	1	1	1	1	2	29

B2	SB2b	MB2b_06	1.35335	103.76369						right bank flat, both	<i>Adiantum latifolium</i> , <i>Angiopteris evecta</i> , <i>Chelcosotis lacera</i> , <i>Cissampelos inera</i> , <i>Clausena excavata</i> , <i>Combretum</i> sp., <i>Dillenia suffruticosa</i> , <i>Ficus fatuosa</i> , <i>Schinus molle</i> sp., <i>Uncaria gambir</i>	20	80	Small pool among rocks, to sample?	NA	NA	NA	NA	NA	NA
B2	SB2b	MB2b_07	1.35324	103.76399						NA	NA	NA	NA	Dry, not sampled	NA	NA	NA	NA	NA	NA
B2	SB2b	MB2b_08	1.35339	103.76417						right bank gentle	<i>Aglaonema commutatum</i> , <i>Angiopteris evecta</i> , <i>Caryota mitis</i> , <i>Combretum</i> sp., <i>Erycibe tomentosa</i> , <i>Ficus sericea</i> , <i>Ficus fatuosa</i> , <i>Hevea brasiliensis</i> , <i>Macaranga bancana</i> , <i>Psychoparma macarthurii</i> , <i>Schinus molle</i> sp., <i>Spathodea campanulata</i>	60	85	NA	3	1	2	1	1	38
D	SD1a	MD1a_01	1.35367	103.75844						heavy erosion (rocks) and with riparian	<i>Adiantum latifolium</i> , <i>Aglaonema commutatum</i> , <i>Bryonia diandra</i> , <i>Caryota mitis</i> , <i>Epipremnum aureum</i> , <i>Fibraura stricta</i> , <i>Hevea brasiliensis</i> , <i>Homalomena</i> sp., <i>Nepenthes lippocaulum</i> , <i>Psychoparma macarthurii</i> , <i>Smilax setosa</i>	60	85	Concretised drain downstream	2	4	4	4	3	88
D	SD1a	MD1a_02	1.35414	103.75845						erosion (rocks) and	<i>Adiantum latifolium</i> , <i>Caryota mitis</i> , <i>Durio zibethinus</i> , <i>Epipremnum aureum</i> , <i>Erycibe tomentosa</i> , <i>Hevea brasiliensis</i> , <i>Homalomena</i> sp., <i>Psychoparma macarthurii</i> , <i>Syngonium podophyllum</i>	20	85	Orange biofilm on right bank	2	4	1	3	3	67
D	SD1a	MD1a_03	1.35446	103.75846						sloping and steep with erosion	<i>Adiantum latifolium</i> , <i>Angiopteris evecta</i> , <i>Dillenia suffruticosa</i> , <i>Epipremnum aureum</i> , <i>Erycibe tomentosa</i> , <i>Ficus fatuosa</i> , <i>Hevea brasiliensis</i> , <i>Homalomena</i> sp., <i>Psychoparma macarthurii</i> , <i>Smilax setosa</i>	10	85	NA	2	4	2	3	3	71
D	SD1a	MD1a_04	1.35481	103.75829						with erosion (rocks) and, right bank flat	<i>Adiantum latifolium</i> , <i>Artocarpus heterophyllus</i> , <i>Brideia stipularis</i> , <i>Caryota mitis</i> , <i>Chelcosotis cf. obovata</i> , <i>Cissampelos inera</i> , <i>Derris elliptica</i> , <i>Dimocarpus longus</i> sp., <i>Malabarica</i> , <i>Epipremnum aureum</i> , <i>Erycibe tomentosa</i> , <i>Ficus fatuosa</i> , <i>Hevea brasiliensis</i> , <i>Homalomena</i> sp., <i>Miconia crenata</i> , <i>Smilax setosa</i>	40	85	NA	2	4	2	3	4	75
D	SD1a	MD1a_05	1.35514	103.75811						left bank steep with and with riparian leaf litter	<i>Adiantum latifolium</i> , <i>Angiopteris evecta</i> , <i>Artocarpus heterophyllus</i> , <i>Artocarpus integer</i> , <i>Asplenium</i> sp., <i>Baccaurea mollissima</i> , <i>Caryota mitis</i> , <i>Cissampelos inera</i> , <i>Derris elliptica</i> , <i>Durio zibethinus</i> , <i>Epipremnum pinnatum</i> , <i>Ficus fatuosa</i> , <i>Hevea brasiliensis</i> , <i>Homalomena</i> sp., <i>Leuca indica</i> , <i>Phanera semibifida</i> , <i>Smilax setosa</i> , <i>Syzygium pycnanthum</i>	5	90	Intersection between stream tributaries	2	3	1	2	3	54
D	SD1a	MD1a_06	1.35536	103.75804						steep and bare with (hercuf)	<i>Adiantum latifolium</i> , <i>Angiopteris evecta</i> , <i>Artocarpus heterophyllus</i> , <i>Artocarpus integer</i> , <i>Asplenium</i> sp., <i>Baccaurea mollissima</i> , <i>Caryota mitis</i> , <i>Christella subpubescens</i> , <i>Erycibe tomentosa</i> , <i>Ficus fatuosa</i> , <i>Hevea brasiliensis</i> , <i>Homalomena</i> sp., <i>Phanera semibifida</i> , <i>Selaginella intermedia</i>	20	90	NA	2	3	4	4	1	75
D	SD1a	MD1a_07	1.35559	103.75785						steep and bare with heavy leaf litter and with riparian	<i>Adiantum latifolium</i> , <i>Angiopteris evecta</i> , <i>Asplenium nidus</i> , <i>Caryota mitis</i> , <i>Cephaelis swartzii</i> , <i>Epipremnum aureum</i> , <i>Christella subpubescens</i> , <i>Diplazium cf. foveolatum</i> , <i>Erycibe tomentosa</i> , <i>Ficus fatuosa</i> , <i>Hevea brasiliensis</i> , <i>Homalomena</i> sp., <i>Smilax setosa</i> , <i>Syzygium pycnanthum</i>	30	95	NA	2	3	4	4	3	83

Appendix 16 - Stream Mapping and Characterisation

D	SD1a	MD1a_08	1.35683	103.75776						bank steep and 2nd bank slightly rocks and partially downstream	5	90	NA	2	3	4	4	1	75
D	SD1a	MD1a_09	1.35686	103.75748						banks enforced by	70	90	NA	1	3	2	2	1	46
D	SD1a	MD1a_11	1.35644	103.75815						top with erosion with riparian	30	85	NA	2	4	2	3	1	63
D	SD1a	MD1a_12	1.35684	103.75809						side sloping with by rocks and stream	5	80	NA	2	2	1	2	1	42
E	SE1a	ME1a_01	1.35740	103.74501	NA					NA	NA	NA	Ephemeral pond, not sampled	NA	NA	NA	NA	NA	NA
E	SE1a	ME1a_02	1.35765	103.74492						bed with leaf litter	80	90	Some biofilm at stream bed	3	1	2	1	4	50
E	SE1a	ME1a_03	1.35798	103.74501						bed with leaf litter	70	70	Abandoned well downstream	3	1	4	1	4	58

Study Area	Stream/Pond	Flow rate (m/s)		Center Depth (cm)	
		Dry	Wet	Dry	Wet
B1	SB1a	0-0.5	0-1.1	0-17	3-20
C1	SB1a	-	0.2-0.5	-	6-15.5
B2	SB2b	0-1.2	0-0.2	1-13	0-14
D	SD1a	0-0.4	0-0.4	1.5-25	0.8-37
E	SE1a	0-0.1	0.1-0.2	0-24.5	5-5.5

Appendix 16 - Stream Mapping and Characterisation

Area	Stream/Pond	Stream Mapping Point No.	Latitude	Longitude	Flow rate (m/s)	Total channel width (m)	Wetted Channel width (m)	Depth (cm)			Remarks
								Left	center	right	
B1	SB1a	MB1a_01	1.34719	103.76271	0.2- 1.1	1.6-1.7	0.7-1	7-10	9-19	10-16	Bridge and concretised drain downstream
B1	SB1a	MB1a_02	1.34727	103.76318	0.2-0.3	2.2-2.4	1.9-2	4-11	5-9.5	0.5-8	Bridge upstream
B1	SB1a	MB1a_03	1.34719	103.76340	0	1.2-2	0.45-1.8	2-8	4-14.4	0.5-4.5	Culvert downstream; orange biofilm on right bank
B1	SB1a	MB1a_04	1.34746	103.76349	0.3-0.4	1.4-2	1.4-2.1	9-10.5	6-8	6.5-9.5	NA
B1	SB1a	MB1a_05	1.34751	103.76364	0.1-0.3	1.2-1.6	1.1-1.4	6-9.5	5-15	5-10	NA
B1	SB1a	MB1a_06	1.34778	103.76391	0-0.3	1.8-2.5	0.9-1.6	4.5-7	0.5-11	3-7	NA
B1	SB1a	MB1a_07	1.34786	103.76412	0-0.3	1.3-4	1-1.3	2.5-5	1.5-2	3.5-6	NA
B1	SB1a	MB1a_08	1.34801	103.76435	0.2-0.4	3-3.1	1-2.4	4-20	4-20	3-15	Broken concretised drain structures upstream
B1	SB1a	MB1a_09	1.34809	103.76498	0.2-0.5	3.2	1-2	5-10	9.5-10	4.5-5.5	Concretised drain section downstream
B1	SB1a	MB1a_10	1.34808	103.76512	0.1-0.2	3.4-4.6	3-3.7	2-5	2-3	2-7.5	Intersection between stream tributaries
C1	SB1a	MB1a_11	1.34792	103.76558	0.2-0.5	2.2-2.4	0.7-1.3	3-6.5	4-12.5	3.5-8	Bridge with culvert downstream
C1	SB1a	MB1a_12	1.34776	103.76582	0.1-0.2	2.2-2.9	1-1.7	5-10	5-8.5	3-12	NA
C1	SB1a	MB1a_13	1.34771	103.76597	0-0.3	1.7-2.3	1.2-1.7	6-8	4-13	3-10	White biofilm on water surface
C1	SB1a	MB1a_14	1.34759	103.76625	0.1-0.5	1.2-2	0.8-1.7	3-12	8.5-13	4-6	Concretised drain section leading to culvert downstream, some abandoned brick wall nearby
C1	SB1a	MB1a_15	1.34751	103.76664	0.1-0.3	1.5-1.8	0.3-1.5	5-20	6-18	6-12	NA
C1	SB1a	MB1a_16	1.34750	103.76686	0.1-0.3	1.6-2.2	0.5-1.8	3-9	8-8.5	4-7	Broken concretised drain structures in stream
C1	SB1a	MB1a_17	1.34765	103.76721	0.1-0.2	1.4-1.8	1.1-1.6	7-15	5.5-15.5	4-12	Orange biofilm on water surface
B1	SB1a	MB1a_19	1.34824	103.76527	0-0.1	1.4-2.4	0.7-1.1	3-7	4.5-11	4-4.5	NA
B1	SB1a	MB1a_20	1.34837	103.76549	0.1-0.2	1.2-2	0.7-1.1	1.5-6	4-12	3-4.5	NA
B1	SB1a	MB1a_21	1.34891	103.76575	0-0.3	2.7-3.2	2.2-2.4	7-19	16-18.5	9-18	Bridge; some orange biofilm on water surface
B1	SB1a	MB1a_22	1.34897	103.76593	0-0.1	1.3-1.6	1.2-1.4	1-12	7-16	9-10	NA
B1	SB1a	MB1a_23	1.34916	103.76612	0-0.2	0.6-0.9	0.5-0.7	3-9	3-10	1-5	Orange biofilm on water surface
B2	SB2a	MB2a_01	1.35428	103.76291	0- 0.1	1.3-2.1	1.1	0.5-1	2-2.5	1.5-3	Concretised drain downstream
B2	SB2a	MB2a_02	1.35453	103.76314	0- 0.1	0.4-3	0.35-1.6	7-10	4-10	1.5-12	NA
B2	SB2b	MB2b_01	1.35358	103.76234	0.1	1.5-4	1-1.5	2-3	3-5	2-8	Point was shifted slightly upstream due to tree fall
B2	SB2b	MB2b_02	1.35354	103.76248	0-0.1	1.6-6.3	1.3-2.5	1-5	1.5-6	0.5-5	Orange biofilm on left bank
B2	SB2b	MB2b_03	1.35339	103.76269	0.2-1.2	1.2-5	1.2-1.3	1-4	2-2.5	1-2.5	NA
B2	SB2b	MB2b_04	1.35345	103.76290	0.1-0.2	1.8-3	1.5-1.8	1-7	3-12.5	2.5-5	Concretised drain on right bank
B2	SB2b	MB2b_05	1.35340	103.76317	0.2	1.5-2	1-1.1	1-2	5-7.5	1-4	NA
B2	SB2b	MB2b_06	1.35335	103.76359	0-0.2	0.5-2	0.5-0.6	2-7	2.5-14	3.5-6	Small pool among rocks; only sampled water quality not fauna
B2	SB2b	MB2b_07	1.35324	103.76399							Dry, not sampled
B2	SB2b	MB2b_08	1.35339	103.76417	0-0.1	1.2-2.1	0.8-1.2	1-3	1.5-6.5	0.5-5	NA
D	SD1a	MD1a_01	1.35367	103.75844	0.1-0.2	1.8-2	1.2-1.6	2.5-8	3-8	2-9	Concretised drain downstream
D	SD1a	MD1a_02	1.35414	103.75845	0-0.2	1.8-2.3	1.2-1.8	0.5-4	0.8-9	0.7-7	Orange biofilm on right bank
D	SD1a	MD1a_03	1.35446	103.75846	0.2-0.3	1.7-2.4	0.8-1.6	2-4	1.5-6	0.5-5	NA
D	SD1a	MD1a_04	1.35481	103.75829	0.1-0.4	1.4-2	0.9-1.1	2.5-6	3-10	3-4.5	NA
D	SD1a	MD1a_05	1.35514	103.75811	0.2-0.4	1.2-5.3	1.2-1.9	10-29	5-25	3-13	Intersection between stream tributaries
D	SD1a	MD1a_06	1.35536	103.75804	0.1-0.2	1.3-4.5	0.9-2.9	3-24	4.5-37	2-15	NA
D	SD1a	MD1a_07	1.35559	103.75785	0.1-0.2	1.3-2	1.3-1.5	3-8	6-11	5-12	NA
D	SD1a	MD1a_08	1.35583	103.75778	0.1-0.2	0.5-2	0.38-1.2	0.5-10	5-15	3-9	NA
D	SD1a	MD1a_09	1.35586	103.75748	0-0.3	0.9-2	0.5-0.7	0.5-9	0-15.5	3.5-15	NA
D	SD1a	MD1a_11	1.35544	103.75815	0.1-0.3	1.1-2.1	0.6-1	0.5-1.5	4.5-15	4.5	NA
D	SD1a	MD1a_12	1.35584	103.75809	0.1-0.2	1.3-2.7	0.28-1	3-6	3.5-8.5	2.5-4.5	NA
E	SE1a	ME1a_01	1.35740	103.74501							Ephemeral pond, not sampled
E	SE1a	ME1a_02	1.35765	103.74492	0-0.1	0.9-1.6	0.37-1.2	0.5-1.8	0-5	0.5-15	Some biofilm at stream bed
E	SE1a	ME1a_03	1.35798	103.74501	0.1-0.2	1.7-1.8	1.4-1.5	5.5-25	5.5-24.5	7-21	Abandoned well downstream