



Ash Lagoon (Project Site)



Developed Area (Project Site)



Wasteland (Project Site)



Wasteland



Woodland



Plantation



Shrubland



Developed Area



Ash Lagoon



Watercourse W1



Watercourse W2



Watercourse W3



Leopard Cat (Scats)



Pied Kingfisher



Little Grebe



Grey Heron

Annex B Flora Species Recorded within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Growth Form	Native or Exotic to Hong Kong	Distribution in Hong Kong ¹	Habitat ³							
							Assessment Area							
							WL	PL	SL	DA	WA	AL	WC	
1	Ear-leaved Acacia, Ear-pod Wattle	<i>Acacia auriculiformis</i>	耳果相思	Tree	Exotic	common		+	++					
2	Taiwan Acacia	<i>Acacia confusa</i>	台灣相思	Tree	Exotic	-		++	++					
3	Bie-leaved Acacia	<i>Acacia mangium</i>	大葉相思, 馬占相思	Tree	Exotic	-		+	++					
4	Mock Lime, Chu-lan Tree	<i>Azlaia odorata</i>	米仔蘭	Shrub/Tree	Exotic	-				+				
5	Chinese Alangium	<i>Alangium chinense</i>	八角楓	Shrub/Tree	Native	-	+							
6	Giant Alocasia, Alocasia	<i>Alocasia macrorrhizos</i>	海芋	Herb	Native	very common	+							
7	Aporosa, Common Aporosa	<i>Aporosa dioica</i>	銀紫	Tree	Native	very common	++	+	+					
8	Chinese Anea Ear-ring	<i>Archidendron lucidum</i>	亮葉猴耳環	Tree	Native	-	+							
9	Hilo Holly	<i>Ardisia crenata</i>	朱砂根, 大羅傘	Shrub	Native	-	++							
10	Spotted Ardisia	<i>Ardisia lindleyana</i>	山血丹, 腺點紫金牛	Shrub	Native	-		+						
11	Carpet Grass	<i>Axonopus compressus</i>	地毯草, 地氈草	Herb	Exotic	common							+	
12	Dwarf Mountain Pine, Shrubby Baeckea	<i>Baeckea frutescens</i>	崗松	Shrub/Tree	Native	-		+	+++					
13	-	<i>Bambusa</i> sp.	竹屬	Bamboo	-	-	++							
14	-	<i>Bauhinia</i> sp.	羊蹄甲屬	Tree	-	-	+			+				
15	White Gourd, Wax Gourd	<i>Benincasa hispida</i>	冬瓜	Herb	Exotic	-		+						
16	-	<i>Bidens alba</i>	白花鬼針草	Herb	Exotic	very common	+	+	++	+	+++	+	+	
17	Oriental Blechnum	<i>Blechnum orientale</i>	烏毛蕨	Herb	Native	very common		+						
18	Brazil Bougainvillea, Beautiful Bougainvillea	<i>Bougainvillea spectabilis</i>	簕杜鵑	Climber/Shrub	Exotic	cultivated	++			+				
19	Blunt Signal-grass	<i>Brachiaria mutica</i>	巴拉草	Herb	Exotic	common ⁽²⁾			+					
20	Waxy Leaf	<i>Brevia fruticosa</i>	黑面神	Shrub	Native	very common	+				+			
21	Pop-run Seed, Piknoktai	<i>Bridelia tomentosa</i>	土蜜樹, 逼迫仔	Shrub/Tree	Native	very common	++	+		+	++	++		
22	False Sumac, Java Brucea	<i>Brucea javanica</i>	鴨膽子, 苦參子	Shrub/Tree	Native	common	+					+		
23	Grav Nickers	<i>Caesalpinia bonduc</i>	大托葉雲實	Climber	Native	restricted			+					
24	Scarab-like Caianus	<i>Caianus scarabaeoides</i>	蔓草轟豆	Climber	Native	common		+						
25	India Carallia	<i>Carallia brachiata</i>	竹節樹	Tree	Native	common	+							
26	Papava	<i>Carica papaya</i>	番木瓜	Tree	Exotic	common		+						
27	Horse-tail Tree	<i>Casuarina equisetifolia</i>	木麻黃, 牛尾松	Tree	Exotic	rare: but commonly cultivated			+					
28	Chinese Bitter-sweet	<i>Celastrus hindsii</i>	青江藤	Climber/Shrub	Native	very common	+							
29	Chinese Hackberry	<i>Celtis sinensis</i>	朴樹	Tree	Native	common	+++	+		+	+++	+		
30	Cerbera, Sea Mango	<i>Cerbera manghas</i>	海芒果	Tree	Native	common: also planted		+						
31	Camphor Tree	<i>Cinnamomum camphora</i>	樟	Tree	Native	common							+	
32	Gloribower, Gloryberry	<i>Clerodendrum fortuneatum</i>	鬼燈籠, 白花燈籠	Shrub	Native	common	+							
33	Snail Seed	<i>Cocculus orbiculatus</i>	木防己	Climber	Native	common	+				+	+		
34	Yellow Cow Wood	<i>Cratoxylum cochinchinense</i>	黃牛木	Shrub/Tree	Native	very common	+						+	
35	Chinese Dodder	<i>Cuscuta chinensis</i>	菟絲子	Herb	Native	common		+	+					
36	Wood-fern, Parasitic Tri-vein Fern	<i>Cyclosorus parasiticus</i>	華南毛蕨	Herb	Native	very common	++	+					+	+
37	Malacea Galingale	<i>Cyperus malaccensis</i>	茫茫	Herb	Native	common: uncommon ⁽²⁾					++			
38	-	<i>Cyperus</i> sp.	莎草屬	Herb	Native	-					++			
39	Crow-foot Grass	<i>Dactyloctenium aegyptium</i>	龍爪茅	Herb	Native	common	+	+		+	+			
40	Benthams's Rosewood	<i>Dalbergia benthamii</i>	兩廣黃檀	Climber	Native	common	+			+	+	+		
41	Hong Kong Rosewood	<i>Dalbergia millettii</i>	香港黃檀	Climber	Native	common	+							
42	Desmos	<i>Desmos chinensis</i>	假鷹爪	Climber/Shrub	Native	common	++	+					+	
43	Dichotomv Forked Fern	<i>Dicranopteris pedata</i>	芒萁	Herb	Native	-	+	+	+		+++	+		
44	Longan	<i>Dimocarpus longan</i>	龍眼, 桂圓	Tree	Exotic	cultivated	++							
45	Golden Dewdrops	<i>Duranta erecta</i>	假連翹	Climber/Shrub	Exotic	common				+				
46	American Wormseed	<i>Dysoxylum ambrosioides</i>	土荆芥, 小荆芥	herb	Exotic	common		+						
47	Hainan Elaeocarpus	<i>Elaeocarpus hainanensis</i>	水石榕	Tree	Exotic	-				+				
48	Twie-hanging Embelia	<i>Embelia laeta</i>	酸藤子	Climber/Shrub	Native	very common	++							
49	Tassel Flower	<i>Emilia sonchifolia</i>	一點紅	Herb	Native	very common		+						
50	Swamp Mahoeany	<i>Eucalyptus robusta</i>	大葉桉, 大葉有加利	Tree	Exotic	cultivated			+					
51	-	<i>Eucalyptus</i> sp.	桉屬	Tree	Exotic	-		+++	++					
52	Shimine Eurva	<i>Eurua nitida</i>	細齒葉柃	Shrub/Tree	Native	very common	+							
53	Hairy Fig, Hairy Mountain Fig	<i>Ficus hirta</i>	粗葉榕	Shrub/Tree	Native	common	+							
54	Opposite-leaved Fig, Rough-leaved Ficus fig	<i>Ficus hispida</i>	對葉榕	Shrub/Tree	Native	very common	+					++	++	
55	Chinese Banvan, Small-fruited Fig	<i>Ficus microcarpa</i>	細葉榕	Tree	Native	common	+		+	+	+	++		
56	Common Red-stem Fig	<i>Ficus variegata</i>	青果榕	Tree	Native	common	+						+	+

Annex B Flora Species Recorded within the Assessment Area

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							WL	PL	SL	DA	WA	AL	WC	
57	-	<i>Eimbristulis sp.</i>	飄拂草屬	herb	Native	common				+				
58	Luofushan Joint-fir	<i>Gnetum luofuense</i>	羅浮買麻藤	Climber	Native	very common	+	+						
59	Cuban Bast. Sea Hibiscus	<i>Hibiscus tiliaceus</i>	黃蓮	Tree	Native	very common				+				+
60	Rough-leaved Holly, Plum-leaved Holly	<i>Ilex asprella</i>	梅葉冬青	Shrub	Native	very common	++		+				+	
61	Downy Holly	<i>Ilex pubescens</i>	毛冬青	Shrub	Native	-	++							
62	Gairo Morning Glory, Morning-glory	<i>Ipomoea cairica</i>	五爪金龍	Herb	Exotic	very common								+
63	Chinese Ixora, Red Ixora	<i>Ixora chinensis</i>	龍船花	Shrub	Native	restricted but widely cultivated			+					
64	-	<i>Kandelia obovata</i>	水筆仔	Tree	Native	common								+
65	Lantana	<i>Lantana camara</i>	馬纓丹	Shrub	Exotic	very common	+			+	++	+		
66	Chinese Lasianthus	<i>Lasianthus chinensis</i>	粗葉木	Shrub	Native	common	++							
67	White Popinac	<i>Leucaena leucocephala</i>	銀合歡	Shrub/Tree	Exotic	-	+		++	++	+++	+++	+	
68	Chinese Privet	<i>Ligustrum sinense</i>	山指甲	Shrub/Tree	Exotic	common		++		++				
69	Lily Turf	<i>Lirione spicata</i>	山麥冬, 麥門冬	Herb	Native	very common		+						
70	Lychee	<i>Litchi chinensis</i>	荔枝	Tree	Exotic	restricted but widely planted	++							
71	Tanoak	<i>Lithocarpus glaber</i>	柯, 石櫟	Tree	Native	common; also planted	++							
72	Fragrant Litsea, Mountain-pepper	<i>Litsea cubeba</i>	木薑子, 山蒼樹	Shrub/Tree	Native	common	++							
73	Pond Spice	<i>Litsea glutinosa</i>	潺槁樹	Tree	Native	very common	++							
74	Oblong-leaved Litsea, Long-leaved Litsea	<i>Litsea rotundifolia</i> var. <i>oblongifolia</i>	豺皮樟	Shrub/Tree	Native	-	+++							
75	Brisbane Box	<i>Lonchostemon confertus</i>	紅膠木	Tree	Exotic	-		++	++	+			+	
76	Primrose Willow	<i>Ludwigia octovalvis</i>	毛草龍	Herb	Exotic	common; very common ⁽²⁾				+				
77	-	<i>Ludwigia perennis</i>	細花丁香蓼	Herb	Exotic	restricted				+				
78	Climbing Fern	<i>Lysodium japonicum</i>	海金沙	Climber/Herb	Native	-		++	+++				+	
79	Elephant's Ear, Common Macaranga	<i>Macaranga tanarius</i> var. <i>tomentosa</i>	血桐	Tree	Native	common	++	+	+	+	++	+		
80	Turn-in-the-wind, Panicked Mallotus	<i>Mallotus paniculatus</i>	白楸	Shrub/Tree	Native	very common	+							
81	Mango	<i>Mangifera indica</i>	芒果	Tree	Exotic	-	+++							
82	Common Melastoma	<i>Melastoma malabathricum</i>	野牡丹	Shrub	Native	common	+		+	+				
83	Blood-red Melastoma	<i>Melastoma sanguineum</i>	毛蕊	Shrub	Native	common	+							
84	China-berry, Persian Lilac	<i>Melia azedarach</i>	苦楝	Tree	Exotic	common	+							
85	Redtop, Creeping Rhynehelvetrum	<i>Melinis repens</i>	紅毛草	Herb	Exotic	very common							+	
86	Microcos	<i>Microcos nervosa</i>	破布葉, 布渣葉	Shrub/Tree	Native	-	++	+	+					
87	Mile-a-minute Weed	<i>Mikania micrantha</i>	微甘菊	Climber/Herb	Exotic	very common	+		+	+	++			++
88	Glittering-leaved Millettia	<i>Millettia nitida</i>	亮葉雞血藤, 亮葉崖豆藤	Climber	Native	very common		+						
89	Sensitive Plant	<i>Mimosa pudica</i>	含羞草	Herb	Exotic	-							+	
90	-	<i>Mirabilis odorata</i>	黃花紫茉莉	herb	Exotic	-		+						
91	Chinese Silvergrass, Eulalia	<i>Miscanthus sinensis</i>	芒	Herb	Native	very common	+				++	+		
92	Orange-iesamine	<i>Murraya paniculata</i>	九里香	Tree	Exotic	common	+							
93	Splash-of-white, Buddha's Lamp	<i>Mussaenda pubescens</i>	玉葉金花	Climber/Shrub	Native	very common			+				+	
94	Burma-reed, Reed-like Grass	<i>Neurautia reynaudiana</i>	類蘆, 石珍茅	Herb	Native	-	+	++	+		+++	+++	+	
95	Composite Oplismenus	<i>Oplismenus compositus</i>	竹葉草	Herb	Native	very common	+							
96	Lavender Sorrel	<i>Oxalis cornubosa</i>	紅花酢漿草	Herb	Exotic	common							+	
97	Chinese Fevervine	<i>Paeperia scandens</i>	雞矢藤	Herb	Native	very common	+				++			
98	-	<i>Pandanus austrosinensis</i>	露兜草	Herb	Native	-	+							
99	Guinea Grass	<i>Panicum maximum</i>	大黍	Herb	Exotic	very common	+	+			+++			
100	Diverse-leaved Creeper	<i>Parthenocissus dalzielii</i>	爬牆虎, 異葉爬山虎	Climber	Exotic	rare							+	
101	Passion Flower	<i>Passiflora foetida</i>	龍珠果	Climber	Exotic	very common	+				+	+		
102	-	<i>Paspalum sp.</i>	雀稗屬	Herb	Native	-				+				
103	Nanier Grass	<i>Pennisetum purpureum</i>	象草, 紫狼尾草	Herb	Exotic	-					+	+		
104	Common Reedgrass	<i>Phragmites australis</i>	蘆葦	Herb	Native	very common; common ⁽²⁾							++	
105	Reed, Karka Reed	<i>Phragmites vallatorius</i>	卡開蘆, 水竹	Herb	Native	-							+	
106	Vietnam Leaf-flower	<i>Phyllanthus cochinchinensis</i>	越南葉下珠, 鐵包金	Shrub	Native	-	+							
107	Reticulated Leaf-flower	<i>Phyllanthus reticulatus</i>	小果葉下珠	Shrub	Native	common	+							
108	Chinese Red Pine	<i>Pinus massoniana</i>	馬尾松	Tree	Native	common	+		++					
109	Francinani	<i>Plumeria rubra</i>	雞蛋花, 紅雞蛋花	Tree	Exotic	-				+				
110	Hong Kong Gordonia, Gordonia	<i>Polusnora axillaris</i>	大頭茶	Shrub/Tree	Native	very common		++						
111	Wild Bean	<i>Pongamia pinnata</i>	水黃皮	Tree	Native	common				++				

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112	-	<i>Praxelis clematidea</i>	假臭草	Herb	Exotic	very common	+	+			+		+
113	Guava	<i>Psidium guajava</i>	番石榴	Tree	Exotic	-	++						
114	Wild Coffee, Red Psychotria	<i>Psychotria asiatica</i>	山大刀, 九節	Shrub/Tree	Native	-	++	+	+				
115	Sword Brake	<i>Pteris ensiformis</i>	劍葉鳳尾蕨, 井邊茜	Herb	Native	-	++						
116	Semi-pinnated Brake	<i>Pteris semipinnata</i>	半邊旗	Herb	Native	very common	++						
117	Kudzu, Kudzu Vine	<i>Pueraria lobata</i>	野葛	Climber	Native	-				+			
118	Hong Kong Hawthorn	<i>Rhampholepis indica</i>	車輪梅	Shrub/Tree	Native	very common				+			
119	-	<i>Rhododendron sp.</i>	杜鵑屬	-	-	-				+			
120	Rose Myrtle, Downy Rosemyrtle	<i>Rhodomyrtus tomentosa</i>	桃金娘, 崗松	Shrub	Native	very common	+		+++				
121	Sumac	<i>Rhus chinensis</i>	鹽膚木	Shrub/Tree	Native	common	+	+			+++	+	
122	Sumac	<i>Rhus inoleuca</i>	白背鹽膚木, 白背漆	Shrub/Tree	Native	common	+						
123	Wax Tree	<i>Rhus succedanea</i>	野漆樹	Shrub/Tree	Native	common	+	+	+			+	
124	Little-leaved Rourea, Red Leaf of Autumn	<i>Rourea microphylla</i>	小葉紅葉藤, 紅葉藤	Climber/Shrub	Native	common	+	+					
125	-	<i>Ruellia coerulea</i>	蘭花草	Herb	Exotic	-				+			
126	Hedge Scaevola	<i>Scaevola thea</i>	雀梅藤	Climber/Shrub	Native	very common	++				+++	+	
127	Mountain Tallow Tree	<i>Sanium discolor</i>	山烏柏	Tree	Native	very common	+						
128	Chinese Tallow Tree	<i>Sanium sebiferum</i>	烏柏	Tree	Native	common	+				+		
129	Miniature Umbrella Plant	<i>Schefflera arboricola</i>	鵝掌藤	Climber/Shrub	Exotic	-				+			
130	Ivy Tree	<i>Schefflera heptaphylla</i>	鴨腳木	Shrub/Tree	Native	-	++	+	++		+	++	++
131	-	<i>Scleria sp.</i>	珍珠茅屬	-	-	-	++						
132	Greenbrier	<i>Smilax china</i>	菝葜, 金剛藤	Climber	Native	very common			+				
133	Glabrous Greenbrier	<i>Smilax glabra</i>	土茯苓, 光葉菝葜	Climber	Native	very common			+				+
134	African Tulip Tree	<i>Spathodea campanulata</i>	火焰樹, 火焰木	Tree	Exotic	-							+
135	-	<i>Stachytarpheta cayennensis</i>	藍蝶猿尾木	Tree	Exotic	-			+				
136	Lance-leaved Sterculia, Scarlet	<i>Sterculia lanceolata</i>	假蘋婆	Tree	Native	very common	++		+				
137	Goat Horns, Divaricate	<i>Strophanthus divaricatus</i>	羊角拗	Climber/Shrub	Native	common	+						
138	African Evergreen, Syngonium	<i>Syngonium podophyllum</i>	合果芋	Herb	Exotic	-				+			
139	Rose Apple	<i>Syzygium jambos</i>	蒲桃	Tree	Exotic	-				+			
140	-	<i>Tectaria subtriphylla</i>	叉蕨	Herb	Native	common	+						
141	Indian Almond	<i>Terminalia catappa</i>	欖仁樹	Tree	Exotic	very rare; widely cultivated							+
142	Melia-leaved Evodia	<i>Tetradium glabrifolium</i>	棟葉吳茱萸	Tree	Native	common	+						
143	India-charcoal Trema	<i>Trema tomentosa</i>	山黃麻	Shrub/Tree	Native	common	+	+					
144	Tridax	<i>Tridax procumbens</i>	羽茅菊	Herb	Exotic	very common	+						++
145	Ovate Tylophora	<i>Tylophora ovata</i>	娃兒藤	Climber	Native	-			+				
146	Iron-weed	<i>Vernonia cinerea</i>	夜香牛	Herb	Native	very common			+				
147	-	<i>Wedelia trilobata</i>	三裂葉蝴蝶菊	Herb	Exotic	common; also widely cultivated	+						
148	Indian Wikstroemia	<i>Wikstroemia indica</i>	了哥王	Shrub	Native	-			+				
149	Prickly Ash	<i>Zanthoxylum avicennae</i>	筋攣花椒	Tree	Native	common	+	+					+
150	Shiny-leaved Prickly Ash	<i>Zanthoxylum nitidum</i>	兩面針	Climber/Shrub	Native	very common	+						+
151	-	<i>Zanthoxylum piperitum</i>	胡椒木	Shrub	Exotic	-	++						
TOTAL							87	48	30	33	25	42	11

Notes:

1. Distribution in Hong Kong follows:

Wu, S.H. & Lee, T.C.W. (2000). Pteridophytes of Hong Kong. *Memoirs of the Hong Kong Natural History Society* 23:5-20.

Xing, F.W., Ng, S.C. & Chau, L.K.C. (2000). Gymnosperms and Angiosperms of Hong Kong. *Memoirs of the Hong Kong Natural History Society* 23:21-136.

Siu, L.P.G. (2000). Orchidaceae of Hong Kong. *Memoirs of the Hong Kong Natural History Society* 23:137-148.

Corlett, R.T., Xing, F.W., Ng, S.C., Chau, L.K.C. and Wong, L.M.Y. (2000). Hong Kong Vascular Plants: Distribution and Status. *Memoirs of the Hong Kong Natural History Society* 23:1-157.

2. Yip, Y., Yip, K. L., Liu, K. U., Ngar Y. N., & Lai, C. C. (2010). A Floristic Survey of Marshes in Hong Kong. *Hong Kong Biodiversity*. Issue No. 19.

3. Habitats: WL = Woodland, PL = Plantation, SL = Shrubland, DA = Developed Area, WA = Wasteland, AL = Ash Lagoon, WC = Watercourse

Code for Abundance: +++=Frequent; ++=Occasional; +=Scarce

Annex C Presence of Mammal Species Recorded Within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation Status ¹	Commonness ²	Habitat ³ Assessment Area						
						WL	PL	SL	DA	WA	AL	WC
1	Chinese Horseshoe Bat	<i>Rhinolophus sinicus</i>	中華菊頭蝠	Cap.170	Widely distributed in countryside areas throughout Hong Kong.				+			
2	Intermediate Horseshoe Bat	<i>Rhinolophus affinis</i>	中菊頭蝠	Cap.170; Fellowes: (LC)	Widely distributed in countryside areas throughout Hong Kong.					+		
3	Himalayan Leaf-nosed Bat	<i>Hipposideros armiger</i>	大蹄蝠	Cap.170; Fellowes: (LC)	Widely distributed in countryside areas throughout Hong Kong.						+	
4	Chinese Noctule	<i>Nyctalus plancyi</i>	中華山蝠	Cap.170; Fellowes: PRC (RC)	Fairly widely distributed in countryside areas throughout Hong Kong.				+	+	+	
5	Japanese Pipistrelle	<i>Pipistrellus abramus</i>	東亞家蝠	Cap.170	Widely distributed throughout Hong Kong.	+	+		+	+	+	
6	Least Pipistrelle	<i>Pipistrellus tenuis</i>	小伏翼	Cap.170	Ten-something records found in Nam Chung, Sheung Wo Hang, Lin Ma Hang, Plover Cove Country Park, Yuen Long, Shek Pik, Deep Water Bay, Ho Pui and Ho Chung.	+			+	+	+	
7	Chinese Pipistrelle	<i>Hypsugo pulveratus</i>	灰伏翼	Cap.170; Fellowes: (LC)	Only several records in the countryside areas at Ting Kau, Ma On Shan and Lin Ma Hang, and several records of stray individuals inside buildings.		+	+	+		+	
8	Leopard Cat	<i>Prionailurus bengalensis</i>	豹貓	Cap.170; Cap.586; RLCV(VU); CITES(II)	Widely distributed in countryside areas throughout Hong Kong, except for Lantau Island.						+	
TOTAL						2	2	1	5	4	6	0

Notes:

Species of conservation importance is in **bold** type face

1. Conservation and Protection Status:

a. Cap. 170 - Protected under Wild Animals Protection Ordinance

b. Fellowes - Fellowes *et al.* (2002): LC = Local Concern; PRC = Potential Regional Concern

Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.

c. RLCV - Red List of China's Vertebrates (2020): VU = Vulnerable

d. CITES - Under Appendix (I), Appendix (II) or Appendix (III) of Convention on International Trade in Endangered Species of Wild Flora and Fauna

2. Commonness as per AFCD database: Available at <https://bih.gov.hk/en/home/index.html>

3. Habitats: WL = Woodland, PL = Plantation, SL = Shrubland, DA = Developed Area, WA = Wasteland, AL = Ash Lagoon, WC = Watercourse

4. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

Fellowes *et al.* 2002. Wild animals to watch: Terrestrial and freshwater fauna of conservation concern in Hong Kong. *Memoirs of the Hong Kong Natural History Society* 25:123-159.

Ministry of Ecology and Environment of the People's Republic of China, and Chinese Academy of Sciences. 2023. *Red List of China's Vertebrates*.

Wang, S. 1998. *China Red Data Book of Endangered Animals: Mammalia*. Science Press. Beijing, China. 417pp.

Annex D Maximum Count of Bird Species Recorded Within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation Status ¹	Distribution in Hong Kong ²	Habitat ³							
						Assessment Area							
						WL	PL	SL	DA	WA	AL	WC	IF
1	Northern Shoveler	<i>Spatula clypeata</i>	琵嘴鴨	Fellowes: RC	Abundant winter visitor. Found in Deep Bay area.						+		
2	Eurasian Wigeon	<i>Mareca penelope</i>	赤頸鴨	Fellowes: RC	Winter visitor. Found in Deep Bay area, Tai Lam Chung.						+		
3	Tufted Duck	<i>Aythya fuligula</i>	鳳頭潛鴨	Fellowes: LC	Abundant winter visitor. Found in Deep Bay area, Nam Chung, Starling Inlet.						++++		
4	Savanna Nightjar	<i>Caprimulgus affinis</i>	林夜鷹	-	Uncommon resident. Widely distributed in Hong Kong.			+	+	+			
5	House Swift	<i>Apus nipalensis</i>	小白腰雨燕	-	Abundant spring migrant and common resident. Widely distributed in Hong Kong.				++		+		
6	Greater Coucal	<i>Centropus sinensis</i>	褐翅鴉鵂	CSMPS(II)	Common resident. Widely distributed in Hong Kong.	+	+			+	+		
7	Asian Koel	<i>Eudynamis scolopaceus</i>	噪鵂	-	Common resident. Widely distributed in Hong Kong.				+		+		
8	Plaintive Cuckoo	<i>Cacomantis merulinus</i>	八聲杜鵑	-	Passage migrant and common visitor. Widely distributed in open area throughout Hong Kong.							+	
9	Oriental Cuckoo	<i>Cuculus optatus</i>	東方中杜鵑	-	Scarce passage migrant. Distributed in agricultural fields and fish ponds in Hong Kong.						+		
10	Red Turtle Dove	<i>Streptopelia tranquebarica</i>	火斑鳩	-	Common passage migrant and winter visitor. Found in Deep Bay area, Cheung Chau, Po Toi,					+			
11	Spotted Dove	<i>Spilopelia chinensis</i>	珠頸斑鳩	-	Abundant resident. Widely distributed in Hong Kong.		+		+	++	+	+	
12	Common Emerald Dove	<i>Chalcophaps indica</i>	綠翅金鳩	-	Uncommon but widespread resident. Widely distributed in woodland throughout Hong Kong.						+		
13	Common Moorhen	<i>Gallinula chloropus</i>	黑水雞	-	Common winter visitor, resident and migrant. Found in Deep Bay area, Shuen Wan, Starling						+		
14	Eurasian Coot	<i>Fulica atra</i>	骨頂雞	Fellowes: RC	Uncommon winter visitor. Found in Deep Bay area, Plover Cove Reservoir, Shuen Wan.						+		

Annex D Maximum Count of Bird Species Recorded Within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation Status ¹	Distribution in Hong Kong ²	Habitat ³								
						Assessment Area								
						WL	PL	SL	DA	WA	AL	WC	IF	
15	Slaty-legged Crake	<i>Rallina eurizonoides</i>	灰腳秧雞	RLCV(VU)	Locally common breeding season visitor, migrant and scarce winter visitor. Found in Shuen Wan, Tai Mei Tuk catchment, Kadoorie Agricultural Research Centre and Kadoorie Farm & Botanic Garden, Kau To Shan, Ting Kok, Mong Tseng, Lung Fu Shan, Shing Mun Country Park, Hok Tau, Tai Tam Country Park.							+		
16	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	白胸苦惡鳥	-	Common resident. Widely distributed in wetland throughout Hong Kong.				+	+	+			
17	Little Grebe	<i>Tachybaptus ruficollis</i>	小鵬鵬	Fellowes: LC	Common resident. Found in Deep Bay area.				+		+++			
18	Black-winged Stilt	<i>Himantopus himantopus</i>	黑翅長腳鷸	Fellowes: RC	Common migrant and winter visitor. Found in Deep Bay area, Long Valley, Kam Tin.							+		
19	Little Ringed Plover	<i>Charadrius dubius</i>	金眶鸻	Fellowes: (LC)	Resident, common winter visitor and passage migrant. Widely distributed in freshwater areas throughout Hong Kong.							+		
20	Common Sandpiper	<i>Actitis hypoleucos</i>	磯鷸	-	Common passage migrant and winter visitor. Widely distributed in wetland area throughout						+	+	+	
21	Green Sandpiper	<i>Tringa ochropus</i>	白腰草鷸	-	Common migrant and winter visitor. Found in Deep Bay area, Shuen Wan, Long Valley, Kam							+		
22	Oriental Pratincole	<i>Glareola maldivarum</i>	普通燕鵻	Fellowes: LC	Passage migrant. Found in Mai Po, Tsim Bei Tsui.				+	+				
23	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	夜鷺	Fellowes: (LC)	Common resident and migrant. Widely distributed in Hong Kong.						+	+		
24	Striated Heron	<i>Butorides striata</i>	綠鷺	Fellowes: (LC)	Common summer visitor. Widely distributed in Hong Kong.							+		
25	Chinese Pond Heron	<i>Ardeola bacchus</i>	池鷺	Fellowes: PRC (RC)	Common resident. Widely distributed in Hong Kong.				+		+	+		
26	Grey Heron	<i>Ardea cinerea</i>	蒼鷺	Fellowes: PRC	Common winter visitor. Found in Deep Bay area, Starling Inlet, Kowloon Park, Cape D'Aguilar.							++		
27	Great Egret	<i>Ardea alba</i>	大白鷺	Fellowes: PRC (RC)	Common resident, migrant and winter visitor. Widely distributed in Hong Kong							+	+	+

Annex D Maximum Count of Bird Species Recorded Within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation Status ¹	Distribution in Hong Kong ²	Habitat ³							
						Assessment Area							
						WL	PL	SL	DA	WA	AL	WC	IF
28	Little Egret	<i>Egretta garzetta</i>	小白鷺	Fellowes: PRC (RC)	Common resident, migrant and winter visitor. Widely distributed in coastal area throughout						+	+	
29	Besra	<i>Accipiter virgatus</i>	松雀鷹	Cap.586; CSMPS(II); CITES(II)	Common resident and migrant. Found in Tai Po Kau, Deep Bay area, Chek Lap Kok, Cheung Chau, Soko Islands.				+				+
30	Black Kite	<i>Milvus migrans</i>	黑鷲	Cap.586; Fellowes: (RC); CSMPS(II); CITES(II)	Common resident and winter visitor. Widely distributed in Hong Kong.		+	+	+	+	+	+	+
31	Eastern Buzzard	<i>Buteo japonicus</i>	普通鵟	Cap.586; CSMPS(II); CITES(II)	Common winter visitor. Widely distributed in Hong Kong.								+
32	Northern Boobook	<i>Ninox japonica</i>	鷹鴞	Cap.586; CSMPS(II); CITES(II)	Uncommon passage migrant. Found in Stanley, Cheung Chau, Hong Kong University, Zoological and Botanical Gardens, Mount Nicholson, Magazine Gap Road, Barker Road, Tai Koo Shing, Shek Wu Wai, Cloudy Hill, Tung Chung, Mirs				+				
33	Collared Scops Owl	<i>Otus lettia</i>	領角鴞	Cap.586; CSMPS(II); CITES(II)	Common resident. Widely distributed in shrubland throughout Hong Kong					+		+	
34	White-throated Kingfisher	<i>Halcyon smyrnensis</i>	白胸翡翠	Fellowes: (LC)	Common resident. Widely distributed in coastal areas throughout Hong Kong.				+	+	+	+	
35	Common Kingfisher	<i>Alcedo atthis</i>	普通翠鳥	-	Common passage migrant and winter visitor. Widely distributed in wetland habitat throughout							+	
36	Pied Kingfisher	<i>Ceryle rudis</i>	斑魚狗	Fellowes: (LC)	Common resident. Widely distributed in lakes and ponds throughout Hong Kong.				+			+	
37	Long-tailed Shrike	<i>Lanius schach</i>	棕背伯勞	-	Common resident. Widely distributed in open areas throughout Hong Kong.							+	
38	Japanese Paradise Flycatcher	<i>Terpsiphone atrocaudata</i>	紫綬帶	Fellowes: LC	Uncommon passage migrant. Found in Tai Po Kau, Mai Po, Pok Fu Lam, Victoria Peak.				+				
39	Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	紅嘴藍鵲	-	Common resident. Widely distributed in woodland edges through Hong Kong.		+		+	+	+	+	
40	Oriental Magpie	<i>Pica serica</i>	喜鵲	-	Common resident. Widely distributed in Hong Kong.							+	
41	Collared Crow	<i>Corvus torquatus</i>	白頸鴉	Fellowes: LC; IUCN(VU)	Locally common resident. Found in Inner Deep Bay area, Nam Chung, Kei Ling Ha, Tai Mei Tuk, Pok Fu Lam, Chek lap Kok, Shuen Wan, Lam					+	+		
42	Large-billed Crow	<i>Corvus macrorhynchos</i>	大嘴烏鴉	-	Common resident. Widely distributed in Hong Kong.				+			+	

Annex D Maximum Count of Bird Species Recorded Within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation Status ¹	Distribution in Hong Kong ²	Habitat ³							
						Assessment Area							
						WL	PL	SL	DA	WA	AL	WC	IF
43	Japanese Tit	<i>Parus minor</i>	遠東山雀	-	Common resident. Widely distributed in Hong Kong.			+	+		+	+	
44	Chinese Bulbul	<i>Pycnonotus sinensis</i>	白頭鸚	-	Abundant resident. Widely distributed in Hong Kong.			+	++	++	++	+	
45	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	紅耳鸚	-	Abundant resident. Widely distributed in Hong Kong.	+	+		++	+	+	+	
46	Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	白喉紅臀鸚	-	Common resident. Widely distributed in open areas throughout Hong Kong.				+	+	+		
47	Barn Swallow	<i>Hirundo rustica</i>	家燕	-	Abundant passage migrant and uncommon winter visitor. Widely distributed in Hong Kong.				++	+	++	+	+
48	Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	黃眉柳鶯	-	Abundant winter visitor and migrant. Widely distributed in woodland throughout Hong Kong.	+		+	+				
49	Dusky Warbler	<i>Phylloscopus fuscatus</i>	褐柳鶯	-	Abundant winter visitor and migrant. Widely distributed in shrubland and waterside vegetation throughout Hong Kong.			+	+				
50	Yellow-bellied Prinia	<i>Prinia flaviventris</i>	黃腹鷓鴣	-	Common resident. Widely distributed in Hong Kong.			+	+	+	+	+	
51	Plain Prinia	<i>Prinia inornata</i>	純色鷓鴣	-	Locally common resident. Widely distributed in grassland throughout Hong Kong.						+		
52	Common Tailorbird	<i>Orthotomus sutorius</i>	長尾縫葉鶯	-	Common resident. Widely distributed in Hong Kong.			+	+	+	+	+	
53	Swinhoe's White-eye	<i>Zosterops simplex</i>	暗綠繡眼鳥	-	Abundant resident. Widely distributed in Hong Kong.	++			+++		+	+	
54	Black-throated Laughingthrush	<i>Pterorhinus chinensis</i>	黑喉噪鵲	-	Common resident. Widely distributed in woodland and shrubland throughout Hong Kong.	+							
55	Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>	黑臉噪鵲	-	Abundant resident. Widely distributed in shrubland throughout Hong Kong.	+		+	+		+	+	
56	Crested Myna	<i>Acridotheres cristatellus</i>	八哥	-	Abundant resident. Widely distributed in Hong Kong.				+++	+	++		
57	Common Myna	<i>Acridotheres tristis</i>	家八哥	-	Locally common resident. Found in Mai Po, Sheung Uk Tsuen, Sheung Shui, Kam Tin, Shek Kong, Ping Shan, Mong Tseng.						+		
58	Black-collared Starling	<i>Gracupica nigricollis</i>	黑領椋鳥	-	Common resident. Widely distributed in Hong Kong.		+		+	+	+	+	

Annex D Maximum Count of Bird Species Recorded Within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation Status ¹	Distribution in Hong Kong ²	Habitat ³							
						Assessment Area							
						WL	PL	SL	DA	WA	AL	WC	IF
59	White-shouldered Starling	<i>Sturnia sinensis</i>	灰背椋鳥	Fellowes: (LC)	Locally common passage migrant and uncommon winter visitor. Found in Kam Tin, Deep Bay area, Po Toi Island, Long Valley, Victoria Park, Ho Chung, Ma Tso Lung, Mui Wo, Lam Tsuen Valley					+	+		
60	Chinese Blackbird	<i>Turdus mandarinus</i>	烏鶇	-	Common winter visitor and migrant. Widely distributed in Hong Kong		+		+				
61	Grey-backed Thrush	<i>Turdus hortulorum</i>	灰背鶇	-	Common winter visitor and migrant. Widely distributed in woodland throughout Hong Kong			+					
62	Oriental Magpie Robin	<i>Copsychus saularis</i>	鶇鴂	-	Abundant resident. Widely distributed in Hong Kong		+	+	+		+	+	
63	Blue Whistling Thrush	<i>Myophonus caeruleus</i>	紫嘯鶇	-	Common resident. Widely distributed in shrubland and woodland throughout Hong Kong	+	+				+		
64	Red-breasted Flycatcher	<i>Ficedula parva</i>	紅胸姬鶇	CITES (III)	Scarce passage migrant and winter visitor. Found in Po Toi, Shek Kong	+							
65	Stejneger's stonechat	<i>Saxicola stejnegeri</i>	黑喉石(即鳥)	-	Common passage migrant and winter visitor. Widely distributed in open fields throughout					+			
66	Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>	朱背啄花鳥	-	Common resident. Widely distributed in wooded area throughout Hong Kong				+				
67	Fork-tailed Sunbird	<i>Aethopyga christinae</i>	叉尾太陽鳥	-	Common resident and winter visitor. Widely distributed in Hong Kong			+	+				
68	Eurasian Tree Sparrow	<i>Passer montanus</i>	樹麻雀	-	Abundant resident. Widely distributed in Hong Kong				+				
69	House Sparrow	<i>Passer domesticus</i>	家麻雀	-	Vagrant. Found in Long Valley						+		
70	Scaly-breasted Munia	<i>Lonchura punctulata</i>	斑文鳥	-	Abundant resident. Widely distributed in Hong Kong				+		+	+	
71	White-rumped Munia	<i>Lonchura striata</i>	白腰文鳥	-	Common resident. Widely distributed in Hong Kong				+				
72	Grey Wagtail	<i>Motacilla cinerea</i>	灰鶇鴂	-	Common passage migrant and winter visitor. Widely distributed in hill streams throughout			+					

Annex D Maximum Count of Bird Species Recorded Within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation Status ¹	Distribution in Hong Kong ²	Habitat ³							
						Assessment Area							
						WL	PL	SL	DA	WA	AL	WC	IF
73	White Wagtail	<i>Motacilla alba</i>	白鶺鴒	-	Resident, common passage migrant and winter visitor. Widely distributed in Hong Kong				+	+	+	+	
74	Olive-backed Pipit	<i>Anthus hodgsoni</i>	樹鵲	-	Common passage migrant and winter visitor. Widely distributed in Hong Kong	+							
75	Black-faced Bunting	<i>Emberiza spodocephala</i>	灰頭鵲	-	Common winter visitor and passage migrant. Widely distributed in Hong Kong				+		+		
TOTAL						9	9	14	38	24	52	23	4

Notes:

Species of conservation importance is in **bold** type face

1. Conservation and Protection Status:

- a. All birds in Hong Kong are protected under Cap. 170 – Protected under Wild Animals Protection Ordinance
- b. Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance
- c. Fellowes – Fellowes et al. (2002): LC = Local Concern, PRC = Potential Regional Concern, RC = Regional Concern.
Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.
- d. RLCV – Red List of China’s Vertebrate (2020): VU = Vulnerable
- e. CSMPs – China State Major Protection Status: Appendix I/II
- f. IUCN – International Union for Conservation of Nature Red List of Threatened Species (2023). VU = Vulnerable
- g. CITES – Under Appendix (I), Appendix (II) or Appendix (III) of Convention on International Trade in Endangered Species of Wild Flora and Fauna

2. Distribution as per AFCD database. Available at <https://bih.gov.hk/en/home/index.html>:

3. Habitats: WL = Woodland, PL = Plantation, SL = Shrubland, DA = Developed Area, WA = Wasteland, AL = Ash Lagoon, WC = Watercourse, IF = In-flight

4. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

Fellowes *et al.* 2002. Wild animals to watch: Terrestrial and freshwater fauna of conservation concern in Hong Kong. *Memoirs of the Hong Kong Natural History Society* 25:123-159.

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Annex E Relative Abundance of Amphibian Species Recorded within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation and Protection Status ¹	Rarity in Hong Kong ²	Distribution in Hong Kong ³	Habitat ^{4/5} Assessment Area						
							WL	PL	SL	DA	WA	AL	WC
1	Asian Common Toad	<i>Duttaphrynus melanostictus</i>	黑眶蟾蜍	-	Very common and widespread throughout Hong Kong	Widely distributed in HK	+			+			
2	Spotted Narrow-mouthed Frog	<i>Kalophrynus interlineatus</i>	花細狹口蛙	-	Common and widespread in the New Territories	Widely distributed from low to moderate altitudes in northern and central New Territories					+	+	
3	Asiatic Painted Frog	<i>Kaloula pulchra</i>	花狹口蛙	-	Common and widespread in the New Territories	Widely distributed in HK	+	+		++		+	
4	Paddy Frog	<i>Fejervarya limnocharis</i>	澤蛙	-	Very common and widespread throughout Hong Kong	Widely distributed throughout Hong Kong	+	+		++	+		
5	Günther's Frog	<i>Sylvirana guentheri</i>	沼蛙	-	Very common and widespread throughout Hong Kong	Widely distributed throughout Hong Kong	+	+		+++	+	+	
6	Brown Tree Frog	<i>Polypedates megacephalus</i>	斑腿泛樹蛙	-	Very common and widespread throughout Hong Kong	Widely distributed throughout Hong Kong	+	+		+++	+		
TOTAL							5	4	0	5	4	3	0

Notes:

1. Rarity as per AFCD. 2009. The Proposed Action Plan for the Conservation of Amphibians in Hong Kong (NCSC 4/09). Annex 1.

2. Distribution as per AFCD database. Available at <https://bih.gov.hk/en/home/index.html>

3. Habitats: WL = Woodland, PL = Plantation, SL = Shrubland, DA = Developed Area, WA = Wasteland, AL = Ash Lagoon, WC = Watercourse

4. Relative abundance: +: Scarce, ++: Uncommon, +++: Common, ++++: Abundant

5. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

AFCD. 2009. The Proposed Action Plan for the Conservation of Amphibians in Hong Kong (NCSC 4/09). Annex 1. Accessed from <http://www.epd.gov.hk/epd/textonly/english/boards/advisory_council/files/nscsc_paper04_2009.pdf> in Sep 2014

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IUCN. (2023). The IUCN Red List of Threatened Species (Version 2023-1). Accessed from <<http://www.iucnredlist.org>> in Mar 2024.

Annex F. Maximum Count of Reptile Species Recorded Within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation and Protection Status ¹	Distribution in Hong Kong ²	Habitat ³ Assessment Area						
						WL	PL	SL	DA	WA	AL	WC
1	Changeable Lizard	<i>Calotes versicolor</i>	變色樹蜥	-	Widely distributed throughout Hong Kong				+			
2	Long-tailed Skink	<i>Eutropis longicaudata</i>	長尾南蜥	-	Widely distributed throughout Hong Kong		+					
3	Chinese Gecko	<i>Gekko chinensis</i>	壁虎	-	Widely distributed throughout Hong Kong						+	
4	Bowring's Gecko	<i>Hemidactylus bowringii</i>	原尾蜥虎	-	Distributed throughout Hong Kong			+	+	+	+	
5	Checkered Keelback	<i>Xenochrophis flavipunctatus</i>	黃斑漁游蛇	-	Widely distributed in streams in the New Territories and				+			
6	Bamboo Snake	<i>Cryptelytrops albolabris</i>	白唇竹葉青	-	Very common and widespread in Hong Kong	+						
TOTAL						1	1	1	3	1	2	0

Notes:

1. Distribution as per AFCD database. Available at <https://bih.gov.hk/en/home/index.html>

2. Habitats: WL = Woodland, PL = Plantation, SL = Shrubland, DA = Developed Area, WA = Wasteland, AL = Ash Lagoon, WC = Watercourse

3. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

Fellowes *et al.* 2002. Wild animals to watch: Terrestrial and freshwater fauna of conservation concern in Hong Kong. *Memoirs of the Hong Kong Natural History Society* 25:123-159.

Ministry of Ecology and Environment of the People's Republic of China, and Chinese Academy of Sciences. 2023. Red List of China's Vertebrates.

IUCN. (2023). The IUCN Red List of Threatened Species (Version 2023-1). Accessed from <<http://www.iucnredlist.org>> in Mar 2024.

Zhao, E. 1998. China Red Data Book of Endangered Animals: Amphibia and Reptilia. Science Press. Beijing, China. 330pp.

Annex G Maximum Count of Butterfly Species Recorded within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Rarity in Hong Kong ¹	Distribution in Hong Kong ²	Habitat ³ Assessment Area						
						WL	PL	SL	DA	WA	AL	WC
1	Formosan Swift	<i>Borbo cinnara</i>	袖弄蝶	Common	Widely distributed throughout Hong Kong.				+			
2	Pale Grass Blue	<i>Zizeeria maha</i>	酢漿灰蝶	Very Common	Widely distributed throughout Hong Kong.				++++			
3	Plum Judy	<i>Abisara echerius</i>	蛇目褐蛺蝶	Very Common	Widely distributed throughout Hong Kong.		+					
4	Blue-spotted Crow	<i>Euploea midamus</i>	藍點紫斑蝶	Very Common	Widely distributed throughout Hong Kong.		+		+			
5	Red Lacewing	<i>Cethosia biblis</i>	紅鋸蛺蝶	Uncommon	Widely distributed throughout Hong Kong.	+						
6	Rustic	<i>Cupha erymanthis</i>	黃襟蛺蝶	Very Common	Widely distributed throughout Hong Kong.	+		+				
7	Great Eggfly	<i>Hypolimnas bolina</i>	幻紫斑蛺蝶	Common	Widely distributed throughout Hong Kong.				+	+		
8	Lemon Pansy	<i>Junonia lemonias</i>	蛇眼蛺蝶	Common	Wu Kau Tang, Shan Liu, Shui Long Wo, Tong Fuk, Pak Tam Chung.		+					
9	Blue Admiral	<i>Kaniska canace</i>	琉璃蛺蝶	Common	Widely distributed throughout Hong Kong.		+		+			
10	Common Sailer	<i>Neptis hylas</i>	中環蛺蝶	Very Common	Widely distributed throughout Hong Kong.	+				+	+	+
11	Straight Five-ring	<i>Ypthima lisandra</i>	黎桑矍眼蝶	Common	Widely distributed throughout Hong Kong.		+					
12	Tailed Jay	<i>Graphium agamemnon</i>	統帥青鳳蝶	Common	Widely distributed throughout Hong Kong.	+			+			
13	Common Jay	<i>Graphium doson</i>	木蘭青鳳蝶	Common	Widely distributed throughout Hong Kong.		+					
14	Common Bluebottle	<i>Graphium sarpedon</i>	青鳳蝶	Very Common	Widely distributed throughout Hong Kong.		+					
15	Chinese Peacock	<i>Papilio bianor</i>	碧鳳蝶	Common	Widely distributed throughout Hong Kong.		+	+				
16	Red Helen	<i>Papilio helenus</i>	玉斑鳳蝶	Very Common	Widely distributed throughout Hong Kong.			+				
17	Great Mormon	<i>Papilio memnon</i>	美鳳蝶	Very Common	Widely distributed throughout Hong Kong.		+		+			
18	Paris Peacock	<i>Papilio paris</i>	巴黎翠鳳蝶	Very Common	Widely distributed throughout Hong Kong.		+		+	+		
19	Common Mormon	<i>Papilio polytes</i>	玉帶鳳蝶	Very Common	Widely distributed throughout Hong Kong.		+		+			
20	Spangle	<i>Papilio protenor</i>	藍鳳蝶	Very Common	Widely distributed throughout Hong Kong.					+		
21	Lemon Emigrant	<i>Catopsilia pomona</i>	遷粉蝶	Common	Widely distributed throughout Hong Kong.				+			
22	Common Grass Yellow	<i>Eurema hecabe</i>	寬邊黃粉蝶	Very Common	Widely distributed throughout Hong Kong.	+				+		
23	Red-base Jezebel	<i>Delias pasithoe</i>	報喜斑粉蝶	Very Common	Widely distributed throughout Hong Kong.			+	+			
24	Indian Cabbage White	<i>Pieris canidia</i>	東方菜粉蝶	Very Common	Widely distributed throughout Hong Kong.				+	+		
25	Eurema sp.	N/A	黃粉蝶屬	-	-			+	+		+	
TOTAL						5	11	5	13	6	2	1

Notes:

1. Distribution as per AFCD database. Available at <https://bih.gov.hk/en/home/index.html>

2. Chan, A., Cheung, J., Sze, P., Wong, A., Wong, E. and Yau, E. 2011. A Review of the Local Restrictedness of Hong Kong Butterflies. Hong Kong Biodiversity 21: 1-12

3. Habitats: WL = Woodland, PL = Plantation, SL = Shrubland, DA = Developed Area, WA = Wasteland, AL = Ash Lagoon, WC = Watercourse

4. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

Chan, A., Cheung, J., Sze, P., Wong, A., Wong, E. and Yau, E. 2011. A Review of the Local Restrictedness of Hong Kong Butterflies. Hong Kong Biodiversity 21: 1-12

Annex H Maximum Count of Odonate Species Recorded within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation/ Protection Status	Rarity in Hong Kong ¹	Distribution in Hong Kong ²	Habitat ³ Assessment Area							
							WL	PL	SL	DA	WA	AL	WC	
1	Common Blue Jewel	<i>Rhinocypha perforata perforata</i>	三斑鼻蠅	-	Abundant	Widely distributed in fast flowing streams throughout Hong Kong								+
2	Orange-tailed Sprite	<i>Ceriatrion auranticum ryukyusnum</i>	琉球橘黃蠅	-	Abundant	Widely distributed in weedy ponds, marshes, abandoned fields or grasslands adjacent to waters			+					
3	Common Bluetail	<i>Ischnura senegalensis</i>	褐斑異痣蠅	-	Abundant	Widely distributed in all wetland habitats except fast flowing rivers throughout				+	++	++		
4	Common Flangetail	<i>Ictinogomphus pertinax</i>	霸王葉春蜓	-	Common	Widely distributed in ponds and still water throughout Hong Kong							+	
5	Red-faced Skimmer	<i>Orthetrum chrysis</i>	華麗灰蜻	-	Abundant	Widely distributed in pools and marshy areas adjacent to flowing streams throughout Hong Kong				+			+	
6	Green Skimmer	<i>Orthetrum sabina sabina</i>	狹腹灰蜻	-	Abundant	Widely distributed in all wetland habitats throughout				+	+	+	+	+
7	Wandering Glider	<i>Pantala flavescens</i>	黃蜻	-	Abundant	Widely distributed all over Hong Kong				+				
TOTAL							0	0	1	4	2	4	2	

Notes:

Species of conservation importance is in **bold** type face

1. Rarity as per AFCD, 2014.: Available at <http://www.afcd.gov.hk/english/conservation/hkbiodiversity/database/search.asp?lang=en>.

2. Distribution as per AFCD database. Available at <https://bih.gov.hk/en/home/index.html>

3. Habitats: WL = Woodland, PL = Plantation, SL = Shrubland, DA = Developed Area, WA = Wasteland, AL = Ash Lagoon, WC = Watercourse

4. Fellowes - Fellowes et al. (2002): LC = Local Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence.

5. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.

Fellowes et al. 2002. Wild animals to watch: Terrestrial and freshwater fauna of conservation concern in Hong Kong. *Memoirs of the Hong Kong Natural History Society* 25:123-159.

Annex I Relative Abundance of Freshwater Fauna Recorded within the Assessment Area

Item No.	Common Name	Scientific Name	Chinese Name	Conservation Status ¹	Habitat ³ Assessment Area						
					WL	PL	SL	DA	WA	AL	WC
Freshwater Fish											
1	-	<i>Planiliza sp.</i>	鮫屬	-							++
2	Yellowfin Seabream	<i>Acanthopagrus latus</i>	黃鰭棘鯛	-							+
3	Black Porgy	<i>Acanthopagrus schlegelii</i>	黑棘鯛	-							+
4	Goldlined Seabream	<i>Rhabdosargus sarba</i>	平鯛	-							+
5	Jarboa Terapon	<i>Terapon jarbua</i>	細鱗鯛	-							++
6	Estuarine goby	<i>Mugilogobius abei</i>	阿部鯿鰕虎魚	-							++
7	Yellowstripe Goby	<i>Mugilogobius chulae</i>	諸氏鯿鰕虎魚	-							++
8	Common Mudskipper	<i>Periophthalmus modestus</i>	彈塗魚	-							++
9	Northern Fatnose Goby	<i>Pseudogobius poecilosoma</i>	雜色擬鰕虎魚	-							+++
10	-	<i>Channa spp.</i>	鱧屬	-							+
Freshwater Invertebrates											
1	Tawny Hooktail (Larva)	<i>Paragomphus capricornis</i>	鈎尾副春蜓 (稚蟲)	Fellowes: RC; Reels: CI							+
2	Water Strider	<i>Asclepios sp.</i>	水黽	-							++
3	Water Strider	<i>Limnogonus sp.</i>	水黽	-				+++			
4	Freshwater Shrimp	<i>Caridina cantonensis</i>	廣東米蝦	-							+++
5	Freshwater Shrimp	<i>Caridina spp.</i>	米蝦	-							++
6	Freshwater Prawn	<i>Macrobrachium sp.</i>	沼蝦屬	-							+
7	Crab	<i>Varuna litterata</i>	字紋弓蟹	-							+
8	Mud Crab	<i>Scylla paramamosain</i>	鋸緣青蟹	-							+
9	Apple Snail	<i>Pomacea canaliculata</i>	福壽螺	-				++++			
10	Freshwater Snail	<i>Melanoides tuberculata</i>	瘤擬黑螺	-							+++
TOTAL					0	0	0	2	0	0	18

Notes:

Species of conservation importance is in **bold** type face

1. Conservation and Protection Status:

a. Fellowes – Fellowes *et al.* (2002): RC = Regional Concern.

b. Reels – Reels. G. (2019): CI = Species of Conservation Importance

2. Habitats: WL = Woodland, PL = Plantation, SL = Shrubland, DA = Developed Area, WA = Wasteland, AL = Ash Lagoon, WC = Watercourse

3. Relative abundance: +: Scarce (1-5), ++: Uncommon (6-20), +++: Common (20 - 50), ++++: Abundant (>50)

4. References:

AFCD. 2022. Hong Kong Biodiversity Information Hub. Accessed from <<https://bih.gov.hk/en/home/index.html>> in Feb 2022.



Fellowes *et al.* 2002. Wild animals to watch: Terrestrial and freshwater fauna of conservation concern in Hong Kong. *Memoirs of the Hong Kong Natural History Society* 25:123-159.

IUCN. (2023). The IUCN Red List of Threatened Species (Version 2023-1). Accessed from <<http://www.iucnredlist.org>> in Mar 2024.

Qualification of Surveying Staff

Faunal/Floral Group under Study	Key Surveyor		
	Full Name and Academic Qualification	Relevant Experience	Year of Experience
<i>Terrestrial Ecological Surveys</i>			
Habitat and Vegetation, Terrestrial Mammal, Avifauna, Herpetofauna, Butterfly and Odonate, Firefly, Aquatic Fauna	Mr. Raymond Chow BSc (Hons), MPhil	Ecological Team Leader Over 11 years' post-qualification experience in biodiversity, ecology and fisheries studies	11
	Mr. Mike Pang BSc (Hons), MSc	Over 8 years of experience in conducting a wide range of ecological surveys and impact assessment for main fauna groups and habitats	8
	Ms. Novia Yip BSc (Hons), MPhil, MSc	Over 7 years of experience in conducting a wide range of ecological surveys and impact assessment for main fauna groups and habitats	7
	Mr. Yuihong Chiu BSc (Hons)	Over 4 years of experience in conducting ecological surveys for flora and fauna in different natural habitats for impact assessments	4

Survey data presented in Appendix 7A are:

	Name	Signature	Date
Prepared and Checked by:	Novia Yip		27 August 2024
Reviewed by:	Raymond Chow		27 August 2024