Appendix 8.3a: Avifauna Species Recorded within the Assessment Area

Appointment of the contract of	es Recorded within the Asse	oomone ra ca								Project Site)					500m	Assessmen	t Area				
Common Name ⁽¹⁾	Scientific Name	Distribution in Hong Kong ⁽³⁾	Principal Status ⁽⁴⁾	Level of Concern ⁽⁵⁾	Protection Status in China ⁽⁶⁾	China Red Data Book ⁽⁷⁾	Red List of China's Vertebrates ⁽⁸⁾	IUCN Red List (Version 2021.1) ⁽⁹⁾	DA/WL	SL	MWC	DA/WL	VO	GL	SL	PLT	MWL	MWC	AGL	Marsh	Pond	wc
Crested Myna	Acridotheres cristatellus	Common resident	R	-	-	-	Least Concern	Least Concern	+			++	+	+			+		+	++		
Common Myna	Acridotheres tristis	Uncommon resident	R	-	-	-	Least Concern	Least Concern				+	+						+	+	+	
White-breasted Waterhen ⁽¹⁰⁾	Amaurornis phoenicurus	Common resident	R	-	-	-	Least Concern	Least Concern				+	+	+	+			+		+	+	
Olive-backed Pipit	Anthus hodgsoni	Common passage migrant and winter visitor	w	-	-	-	Least Concern	Least Concern											+			1
House Swift	Apus nipalensis	Abundant spring migrant and locally common		-	-	-	Least Concern	Least Concern				+			+							
Chinese Pond Heron ⁽¹⁰⁾	Ardeola bacchus	resident Common resident	Р	PRC (RC)	-	-	Least Concern	Least Concern										+	+	+	+	
Eastern Cattle Egret ⁽¹⁰⁾	Bubulcus coromandus	Resident and common passage migrant	Р	(LC)	-	-	Least Concern	Least Concern											+		+	
Eastern Buzzard ⁽²⁾⁽¹⁰⁾	Buteo japonicus	Common winter visitor	W	-	Class II	-	Least Concern	Least Concern											+ (f)			
Plaintive Cuckoo	Cacomantis merulinus	Uncommon summer	Su	-	-	-	Least Concern	Least Concern									+					1
Savanna Nightjar	Caprimulgus affinis	visitor Uncommon resident and	Su,?W	_	-	-	Data Deficient	Least Concern				+	+	+					+			
Lesser Coucal	Centropus bengalensis	passage migrant Common resident	R	-	Class II	Vulnerable	Least Concern	Least Concern							+							—
	1						1	1				<u> </u>		_				_				
Greater Coucal	Centropus sinensis	Uncommon passage	R	-	Class II	Vulnerable	Least Concern	Least Concern				+	+	+	+		+	+				
Chestnut-winged Cuckoo	Clamator coromandus	migrant and summer visitor	Su	-	-	-	Least Concern	Least Concern											+			
Oriental Magpie Robin	Copsychus saularis	Abundant resident Common resident	R R	-	-	-	Least Concern	Least Concern	+		1	+	+	+	+	. (4)	+ + (f)	+	+	+		
Large-billed Crow	Corvus macrorhynchos	Common resident Common passage	K	 	-	-	Least Concern	Least Concern				 			+	+ (f)	+ (T)		+			
Hair-crested Drongo	Dicrurus hottentottus	migrant and summer visitor	M,Su,W	-	-	-	Least Concern	Least Concern					+				+					
Black Drongo	Dicrurus macrocercus	Common summer visitor	M,Su	-	-	-	Least Concern	Least Concern									+		+(f)			
Little Egret ⁽¹⁰⁾	Egretta garzetta	Common resident	P	PRC (RC)	-	-	Least Concern	Least Concern				+ (f)							+ (f)		+	1
Asian Koel	Eudynamys scolopaceus	Common resident	Su,R	-	-	-	Least Concern	Least Concern				+	+	+								
Common Kestrel ⁽²⁾	Falco tinnunculus	Common autumn migrant and winter visitor	AM,W	-	Class II	-	Least Concern	Least Concern							+ (f)		+ (f)					
Chinese Francolin	Francolinus pintadeanus	Common resident	R	-	-	-	Near Threatened	Least Concern							+ (call)							
Chinese Hwamei ⁽²⁾	Garrulax canorus	Common resident	R	-	-	-	Near Threatened	Least Concern							+ (call)							Ī
Greater Necklaced Laughingthrush	Garrulax pectoralis	Common resident	R	-	-	-	Least Concern	Least Concern							+							
Masked Laughingthrush	Garrulax perspicillatus	Abundant resident	R	-	-	-	Least Concern	Least Concern	+			++	++	++	+		+		++	+		
White-browed Laughingthrush	Garrulax sannio	Scarce resident	R	-	_	_	Least Concern	Least Concern					+									
Black-collared Starling	Gracupica nigricollis	Common resident	R	-	-	-	Least Concern	Least Concern				++	+	+			+	+	++	+		
White-throated Kingfisher ⁽¹⁰⁾	Halcyon smyrnensis	Common resident	AM,P	(LC)	-	-	Least Concern	Least Concern							+							
Large Hawk Cuckoo	Hierococcyx sparverioides	Common passage migrant and summer visitor	Su	-	-	-	Least Concern	Least Concern				+	+	+			+					
Barn Swallow	Hirundo rustica	Abundant passage migrant and summer visitor	SpM,Su	-	-	-	Least Concern	Least Concern	+			++	+	+					+			
Long-tailed Shrike	Lanius schach	Common resident	R	-	-	-	Least Concern	Least Concern				+		+					+	+		
Scaly-breasted Munia	Lonchura punctulata	Common resident	R	-	-	-	Least Concern	Least Concern				+		+				++		+		
Black Kite ⁽²⁾⁽¹⁰⁾	Milvus migrans	Common resident and	W,R	(RC)	Class II	-	Least Concern	Least Concern				+										1
White Wagtail	Motacilla alba	winter visitor Common passage migrant and winter visitor	W,R	-	-	-	Least Concern	Least Concern				+	+					+	+			
Grey Wagtail	Motacilla cinerea	Common passage migrant and winter visitor	W	-	-	-	Least Concern	Least Concern				+						+		+		1
Blue Whistling Thrush	Myophonus caeruleus	Common resident	R	-	-	-	Least Concern	Least Concern										+				1
Common Tailorbird	Orthotomus sutorius	Common resident	R	-	-	-	Least Concern	Least Concern				+	+	+	++		+	+				
Cinereous Tit	Parus cinereus	Common resident	R	-	-	-	Least Concern	Least Concern			-	+						+				+
Eurasian Tree Sparrow Daurian Redstart	Passer montanus Phoenicurus auroreus	Abundant resident Common winter visitor	R W	-	-	-	Least Concern Least Concern	Least Concern Least Concern	+			++++	+++	++			+	++	+			
Dusky Warbler	Phylloscopus fuscatus	Common passage migrant and winter visitor	W	-	-	-	Least Concern	Least Concern					+							+		
Yellow-browed Warbler	Phylloscopus inornatus	Common winter visitor and spring migrant	W	-	-	-	Least Concern	Least Concern						+	+							
Streak-breasted Scimitar Babble	r Pomatorhinus ruficollis	Common resident	R	-	-	-	Least Concern	Least Concern							+	+						1
Yellow-bellied Prinia	Prinia flaviventris	Common resident	R	-	-	-	Least Concern	Least Concern				+		+	+		+		+	+		
Plain Prinia Red-whiskered Bulbul	Prinia inornata Pycnonotus jocosus	Common resident Abundant resident	R R	-	-	-	Least Concern Least Concern	Least Concern				+										.
Chinese Bulbul	Pycnonotus jocosus Pycnonotus sinensis	Abundant resident Abundant resident	R	-	-	-	Least Concern	Least Concern Least Concern	+			++	++	++	++	+	++	+	++	+		+
Stejneger's Stonechat	Saxicola stejnegeri	Common passage migrant and winter visitor	W,M	=	-	-	Least Concern	Least Concern					+					+		+		Ī
L	1	grant and willer visitor			.	Ļ	L	ļ	İ		<u> </u>						ļ					

Appendix 8.3a: Avifauna Species Recorded within the Assessment Area

					Project Site	;				500m Assessment Area SL PLT MWL MWC AGL Marsh Pond +												
Common Name ⁽¹⁾	Scientific Name		Principal Status ⁽⁴⁾	Level of Concern ⁽⁵⁾	Protection Status in China ⁽⁶⁾	China Red Data Book ⁽⁷⁾	Red List of China's Vertebrates ⁽⁸⁾	IUCN Red List (Version 2021.1) ⁽⁹⁾	DA/WL	SL	MWC	DA/WL	VO	GL	SL	PLT	MWL	MWC	AGL	Marsh	Pond	wc
Spotted Dove	Spilopelia chinensis	Abundant resident	R	-	-	-	Least Concern	Least Concern	+			++	++	+	+		+		+	+		
Red-billed Blue Magpie	Urocissa erythroryncha	Common resident. Widely distributed in woodland edges throughout Hong Kong	R	-	-	-	Least Concern	Least Concern					+		+				+			
Japanese White-eye	Zosterops japonicus	Abundant resident	R,?W	-	-	-	Least Concern	Least Concern				+		+	+		+			+		

Notes:

- (1) All wild birds are protected under the Wild Animals Protection Ordinance (Cap. 170).
- (2) Protected under the Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).
- (3) Agriculture, Fisheries and Conservation Department (AFCD) (2021). Hong Kong Biodiversity Database.
- (4) Carey, G.J., Chalmers, M.L., Diskin, D.A., Kennerley, P.R., Leader, P. J., Leven, M.R., Lewthwaite, R.W., Melville, D.S., Turnbull, M. & Young, L. (2001). The Avifauna of Hong Kong. Hong Kong. Reresident; Wewinter visitor; Suesummer visitor; Suesummer visitor; Memigrant; Spespring; Aeautumn; Pepresent all year, exact composition unknown; ?Weextent of migration in winter is unclear
- (5) Fellowes, J.R., Lau, M.W.N., Dudgeon, D., Reels, G.T., Ades, G.W.J., Carey, G.J., Chan, B.P.L., Kendrick, R.C., Lee, K.S., Leven, M.R., Wilson, K.D.P. & Yu, Y.T. (2002). Wild Animals to Watch: Terrestrial and Freshwater Fauna of Conservation Concern; Hong Kong. Memoirs of the Hong Kong Natural History Society 25:123-159: LC=Local Concern; PRC=Potential Regional Concern; RC=Regional Concern; RC=Regional Concern; RC=Regional Concern; PGC=Potential Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.
- (6) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
- (7) Zheng, G.-M. & Wang, Q.-S. (1998). China Red Data Book of Endangered Animals: Aves. First Edition. Beijing: Science Press.
- (8) Jiang, Z.G., et al. (2016). Red List of China's Vertebrates. Biodiversity Science 24(5): 500-551.
- (9) International Union for the Conservation of Nature (IUCN) (2021). IUCN Red List of Threatened Species. Version 2021.1.
- (10) Wetland-dependent species (including wetland-dependent species and waterbirds).
- Species of conservation importance is in bold type face.
- Code of Abundance: +=Rare; ++=Occasional; +++=Common; ++++=Abundant; +++++=Dominant

Appendix 8.3b Butterfly Species Recorded within the Assessment Area

							Project Site	•					500m	Assessmen	t Area				
Common Name	Scientific Name	Distribution in Hong Kong ⁽³⁾	Level of Concern ⁽⁴⁾	Protection Status in China ⁽⁵⁾	IUCN Red List (Version 2021.1) ⁽⁶⁾	DA/WL	SL	MWC	DA/WL	vo	GL	SL	PLT	MWL	MWC	AGL	Marsh	Pond	NWC
Forest Hopper	Astictopterus jama chinensis	Common	-	-	-									+					
Common Bluebottle	Graphium sarpedon sarpedon	Very common	-	-	-							+							
Tailed Jay	Graphium agamemnon agamemnon	Common	-	-	-							+							
Lime Butterfly	Papilio demoleus demoleus	Common	-	-	-									+					
Red Helen	Papilio helenus helenus	Very common	-	-	-							+			+				+
Common Mormon	Papilio polytes polytes	Very common	-	-	-	+			+	+	+	+		++	+				
Great Mormon	Papilio memnon agenor	Very common	-	-	-						+								
Spangle	Papilio protenor protenor	Very common		-	-	+			+		+			+					
Paris Peacock	Papilio paris paris	Very common		-	-	+			+	+		+		+	+	+			
Red-base Jezebel	Delias pasithoe pasithoe	Very common	-	-	-				+		+	+			+				
Indian Cabbage White	Pieris canidia canidia	Very common	-	-	-	+			++	+	+	+		+	+	+	+		
Small Cabbage White	Pieris rapae crucivora	Rare	-	-	-				+		+	+			+	++	+		
Mottled Emigrant	Catopsilia pyranthe pyranthe	Very common	-	-	-				+										
Lemon Emigrant	Catopsilia pomona pomona	Common	-	-	-	+			+										
-	Eurema spp.	-	-	-	-						+	+		+	+	+	+		
Slate Flash	Rapala manea schistacea	Common	-	-	-							+		+					
Pale Grass Blue	Pseudozizeeria maha serica	Very common	-	-	-				+	+	+			+	+	+	+	+	
Common Hedge Blue	Acytolepis puspa gisca	Common	-	-	-						+			+		+			
Punchinello	Zemeros flegyas flegyas	Common	-	-	-				+					+					
Plum Judy	Abisara echerius echerius	Very common	-	-	-							+			+				
Common Palmfly	Elymnias hypermnestra hainana	Common	-	-	-				+										
Dark Brand Bush Brown	Mycalesis mineus mineus	Very common	-	-	-					+				+		+	+		
South China Bush Brown	Mycalesis zonata	Common	-	-	-									+			+		
Common Five-ring	Ypthima baldus baldus	Very common	-	-	-					+		+		+		+	+		
Tawny Rajah	Charaxes bernardus bernardus	Common	-	-	-							+							
Angled Castor	Ariadne ariadne alterna	Common	-	-	-				+			+		+		+	+		
Rustic	Cupha erymanthis erymanthis	Very common	-	-	-							+		+					+
Indian Fritillary	Argyreus hyperbius hyperbius	Common	-	-	-							+							
Lemon Pansy	Junonia lemonias lemonias	Common	-	-	-							+							
Great Egg-fly	Hypolimnas bolina kezia	Common	-	-	-							+		+					
Common Sailer	Neptis hylas hylas	Very common	-	-	-				+	+	+	+		+					+
Southern Sullied Sailer	Neptis clinia susruta	Common	-	-	-				+										
Five-dot Sergeant	Parathyma sulpitia	Common	-	-	-	+			+										
Common Mapwing	Cyrestis thyodamas chinensis	Common	-	-	-							+	+						
Red Ring Skirt	Hestina assimilis assimilis	Common	-	-	-				+			+			+				
Ceylon Blue Glassy Tiger	Ideopsis similis similis	Very common	-	-	-									+					
Blue Tiger	Tirumala limniace limniace	Common	-	-	-											+			
Plain Tiger	Danaus chrysippus chrysippus	Uncommon	-	-	-								1			+			
Common Tiger	Danaus genutia genutia	Common	-	-	-				+				1						
Blue-spotted Crow	Euploea midamus midamus	Very common	-	-	-					İ		+		+		+			

Notes

- (1) Protected under Wild Animals Protection Ordinance (Cap. 170).
- (2) Protected under Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).
- (3) Agriculture, Fisheries and Conservation Department (AFCD) (2021). Hong Kong Biodiversity Database.
- (4) Fellowes, J.R., Lau, M.W.N., Dudgeon, D., Reels, G.T., Ades, G.W.J., Carey, G.J., Chan, B.P.L., Kendrick, R.C., Leve, M.R., Wilson, K.D.P. & Yu, Y.T. (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: LC=Local Concern; PRC=Potential Regional Concern; PC=Potential Regional Regional Concern; PC=Potential Regional Regional Regional Regional Regional
- (5) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
- (6) International Union for the Conservation of Nature (IUCN) (2021). IUCN Red List of Threatened Species. Version 2021.1.
- Species of conservation importance is in bold type face.

 ${\tt Code \ of \ Abundance: +=Rare; ++=Occasional; +++=Common; ++++=Abundant; +++++=Dominant}$

Appendix 8.3c: Odonate Species Recorded within the Assessment Area

								Project Site						500m	Assessmen	t Area				
Common Name	Scientific Name	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	Protection Status in China ⁽³⁾	IUCN Red List (Version 2021.1) ⁽⁴⁾	IUCN Priority Species for Conservation ⁽⁵⁾	DA/WL	SL	MWC	DA/WL	VO	GL	SL	PLT	MWL	MWC	AGL	Marsh	Pond	NWC
Common Blue Jewel	Rhinocypha perforata	Abundant; Very Widespread	-	-	Least Concern	-												+		
Common Bluetail	Ischnura senegalensis	Abundant; Scattered	-	-	Least Concern	-										+				
Yellow Featherlegs	Copera marginipes	Abundant; Widespread	-	-	Least Concern	-									+	+				
Black Threadtail	Prodasineura autumnalis	Abundant; Widespread	-	-	Least Concern	-									+	+		+		
Fiery Emperor	Anax immaculifrons	Common; Sparse	-	-	Least Concern	-										+				
Gynacantha sp.	Gynacantha sp.	-	LC	-	-	-												+		
Dancing Shadow-emerald	Idionyx victor	Common; Widespread	LC	-	-	-							+			+				1
Blue Dasher	Brachydiplax chalybea flavovittata	Common; Widespread	-	-	Least Concern	-												+	+	
Crimson Darter	Crocothemis servilia servilia	Abundant; Scattered	-	-	Least Concern	-									+		+	+		
Pied Percher	Neurothemis tullia tullia	Common; Widespread	-	-	Least Concern	-														+
Common Blue Skimmer	Orthetrum glaucum	Abundant; Very Widespread	-	-	Least Concern	-				+			+		+	+				
Common Red Skimmer	Orthetrum pruinosum neglectum	Abundant; Widespread	-	-	Least Concern	-				+	+					+	+			+
Green Skimmer	Orthetrum serapia	Abudant; Widespread	-	-	Least Concern	-				+						+	+	+		
Wandering Glider	Pantala flavescens	Abundant; Widespread	-	-	Least Concern	-	+			++	+	+	++		+	+	+	+		+
Variegated Flutterer	Rhyothemis variegata arria	Common; Widespread	-	-	Least Concern	-				+						+	+			
Crimson Dropwing	Trithemis aurora	Abundant; Very Widepsread	-	-	Least Concern	-										+	+			+
Indigo Dropwing	Trithemis festiva	Abundant; Widespread	-	-	Least Concern	-			•							+				+

NI-4--

- (1) Agriculture, Fisheries and Conservation Department (AFCD) (2021). Hong Kong Biodiversity Database.
- Reels, G.T. (2019). An Annotated Check List of Hong Kong Dragonflies and Assessment of Their Local Conservation Significance. Faunistic Studies in South-east Asian and Pacific Island Odonata. Journal of the International Dragonfly Fund 30:1-49.
- (2) Fellowes, J.R., Lau, M.W.N., Dudgeon, D., Reels, G.T., Ades, G.W.J., Carey, G.J., Chan, B.P.L., Kendrick, R.C., Lee, K.S., Leven, M.R., Wilson, K.D.P. & Yu, Y.T. (2002). Wild Animals to Watch: Terrestrial and Freshwater Fauna of Conservation Concern; PRC=Potential Regional Concern; PC=Potential Regional Concern; PC=Potential Global Concern; PC=Potential Global Concern; PC=Potential Regional Conce
- (3) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
- (4) International Union for the Conservation of Nature (IUCN) (2021). IUCN Red List of Threatened Species. Version 2021.1.
- (5) Moore, N.W. (1997). Dragonflies Status Survey and Conservation Action Plan. IUCN/SSC Odonata Specialist Group. IUCN, Gland, Switzerland and Cambridge, UK. v + 28 pp.

Species of conservation importance is in bold type face.

Code of Abundance: +=Rare; ++=Occasional; ++++=Common; ++++=Abundant; +++++=Dominant

Appendix 8.3d: Herpetofauna Species Recorded within the Assessment Area

									Project Site)					500m	Assessmen	t Area				
Common Name	Scientific Name	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	Protection Status in China ⁽³⁾	China Red Data Book ⁽⁴⁾	Red List of China's Vertebrates ⁽⁵⁾	IUCN Red List (Version 2021.1) ⁽⁶⁾	DA/WL	SL	MWC	DA/WL	VO	GL	SL	PLT	MWL	MWC	AGL	Marsh	Pond	NWC
<u>Amphibians</u>											•										
Asian Common Toad	Duttaphrynus melanostictus	Widely distributed	-	-	-	-	Least Concern				+	+	+	++			+++ (tadpoles)	+			+++ (tadpoles)
Asiatic Painted Frog	Kaloula pulchra pulchra	Widely distributed	-	-	-	-	Least Concern				+			+							
Butler's Pigmy Frog	Microhyla butleri	Widely distributed	-	-	-	-	Least Concern											+			
Ornate Pigmy Frog	Microhyla fissipes	Widely distributed	-	-	-	-	Least Concern					+						+			
Paddy Frog	Fejervarya limnocharis	Widely distributed	-	-	-	-	Least Concern					+	+						+		+
Lesser Spiny Frog	Quasipaa exilispinosa	Occurs throughout the territory	PGC	-	-	Vulnerable	Vulnerable										+				
Gunther's Frog	Hylarana guentheri	Widely distributed	-	-	-	-	Least Concern	+			+	++	+				++		+		+
Greenhouse Frog	Eleutherodactylus planirostris	Introduced	-	-	-	-	Least Concern					+				+					
Brown Tree Frog	Polypedates megacephalus	Widely distributed	-	-	-	-	Least Concern				+	+						+			+
Reptiles																					
Chinese Gecko	Gekko chinensis	Very common and widely distributed	-	-	-	Least Concern	Least Concern	+			+	+		+			+				
Bowring's Gecko	Hemidactylus bowringii	Distributed throughout Hong Kong	-	-	-	Least Concern	Least Concern					+					+	+			
Changeable Lizard	Calotes versicolor	Widely distributed	-	-	-	Least Concern	-											+			
Long-tailed Skink	Eutropis longicaudata	Widely distributed	-	-	-	Least Concern	Least Concern					+	+								
Bamboo Snake	Cryptelytrops albolabris	Distributed in shrubland, grassland throughout Hong Kong	-	-	-	-	Least Concern										+				

Notes

- (1) Agriculture, Fisheries and Conservation Department (AFCD) (2021). Hong Kong Biodiversity Database.
- (2) Fellowes, J.R., Lau, M.W.N., Dudgeon, D., Reels, G.T., Ades, G.W.J., Carey, G.J., Chan, B.P.L., Kendrick, R.C., Lee, K.S., Leven, M.R., Wilson, K.D.P. & Yu, Y.T. (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: LC=Local Concern; PRC=Potential Regional Concern; RC=Regional Concern; PC=Potential Global Concern; CC=Global Concern; CC=Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence.
- (3) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
- (4) Zhao, E.M. (1998). China Red Data Book of Endangered Animals. Amphibia and Reptilia. First Edition. Beijing: Science Press.
- (5) Jiang, Z.G., et al. (2016). Red List of China's Vertebrates. Biodiversity Science 24(5): 500-551.
- (6) International Union for the Conservation of Nature (IUCN) (2021). IUCN Red List of Threatened Species. Version 2021.1.

Species of conservation importance is in bold type face.

Code of Abundance: +=Rare; ++=Occasional; +++=Common; ++++=Abundant; +++++=Dominant

Appendix 8.3e: Mammal Species Recorded within the Assessment Area

									Project Site	!					500m	Assessmen	t Area				
Common Name	Scientific Name	Distribution in Hong Kong ⁽³⁾	Level of Concern ⁽⁴⁾	Protection Status in China ⁽⁵⁾	China Red Data Book ⁽⁶⁾	Red List of China's Vertebrates ⁽⁷⁾	IUCN Red List (Version 2021.1) ⁽⁸⁾	DA/WL	SL	MWC	DA/WL	vo	GL	SL	PLT	MWL	MWC	AGL	Marsh	Pond	NWC
Himalayan Leaf-nosed Bat ⁽¹⁾	Hipposideros armiger	Very Common	(LC)	-	-	Least Concern	Least Concern				+			+							
Chinese Noctule ⁽¹⁾	Nyctalus plancyi	Common	PRC, (RC)	-	-	Least Concern	Least Concern				++			+			+	+			
Japanese Pipistrelle ⁽¹⁾	Pipistrellus abramus	Very Common	-	-	-	Least Concern	Least Concern				++	+		+			+	+			
Unknown Vespertilionidae sp. 1 ⁽¹⁾	Vespertilionidae sp. 1	Uncommon	-	-	-	Near Threatened	Least Concern				+			+							
Unknown Vespertilionidae sp. 2 ⁽¹⁾	Vespertilionidae sp. 2	Rare; Species of Conservation Concern	(LC)	-	-	Near Threatened	Least Concern				+			+							
Lesser Bamboo Bat ⁽¹⁾	Tylonycteris pachypus	Very Common	(LC)	-	Rare	Least Concern	Least Concern				+							+			
Unidentified Rat	-	-	•	-	-	-	-										+				
East Asian Porcupine ⁽¹⁾	Hystrix brachyura	Very Common	PGC	-	-	Least Concern	Least Concern									+					

- (1) Protected under Wild Animals Protection Ordinance (Cap. 170).
- (2) Protected under Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).
 (3) Agriculture, Fisheries and Conservation Department (AFCD) (2021). Hong Kong Biodiversity Database.
- (4) Fellowes, J.R., Lau, M.W.N., Dudgeon, D., Reels, G.T., Ades, G.W.J., Carey, G.J., Chan, B.P.L., Kendrick, R.C., Lee, K.S., Leven, M.R., Wilson, K.D.P. & Yu, Y.T. (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: LC=Local Concern; PRC=Potential Regional Concern; RC=Regional Concern; RC=Regio
- (5) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
 (6) Wang, S. (1998). China Red Data Book of Endangered Animals. Mammalia. First Edition. Beijing: Science Press.
 (7) Jiang, Z.G., et al. (2016). Red List of China's Vertebrates. Biodiversity Science 24(5): 500-551.

- (8) International Union for the Conservation of Nature (IUCN) (2021). IUCN Red List of Threatened Species. Version 2021.1.
- Species of conservation importance is in bold type face.

Code of Abundance: +=Rare; ++=Occasional; +++=Common; ++++=Abundant; +++++=Dominant

Actual habitats where the bat species were recorded could not be accurately ascribed given the low light levels during surveys as well as the high mobility and propensity for bats to use interface habitats.

Appendix 8.3f: Freshwater Fauna Species Recorded within the Assessment Area

									F	reshwater Sa	ampling Poir	nts	500m Asses	sment Area
Common Name	Scientific Name	Distribution in Hong Kong ⁽¹⁾⁽²⁾⁽³⁾	AFCD Species of Conservation Concern	Level of Concern ⁽⁴⁾	Protection Status in China ⁽⁵⁾	China Red Data Book ⁽⁶⁾	Red List of China's Vertebrates ⁽⁷⁾	IUCN Red List (Version 2021.1) ⁽⁸⁾	FS1	FS2	FS3	FS4	MWC	NWC
Flat-headed Loach	Oreonectes platycephalus	Common. It can be found in upper streams throughout Hong Kong	-	ı	-	-	Least Concern	Least Concern						+
Mosquito Fish	Gambusia affinis	Common. Introduced species.	-	•	-	-	-	Least Concern					+	++
Guppy	Poecilia reticulata	Common	-	-	-	-	-	-					+	+
Variable Platyfish	Xiphophorus variatus	Common	-	-	-	-	-	Least Concern					+	
Nile Tilapia	Oreochromis niloticus	Common. Also cultivated.	-	-	-	-	-	Least Concern					++	
Large Stream Snail	Sulcospira hainanensis	Abundant and widespread; Very Common (2)	-	-	-	-	-	Least Concern						+
Apple Snail	Pomacea canaliculata	Invasive species	-	-	-	-	-	Least Concern	+	+			+	+
Tadpole Snail	Haitia acuta	-	-	-	-	-	-	Least Concern						+
	Planorbidae	-	-	-	-	-	-	-	+	++			+	+
Canton Bee Shrimp	Caridina cantonensis	Common and widespread	-	-	-	-	-	Least Concern						++
Backswimmer	Family Notonectidae	Very Common	-	-	-	-	-		+	+			+	+
Waterskater/Water strider	Gerris sp.	-	-	-	-	-	-	-	+	+				
Non-biting Midge	Family Chironomidae	Very Common	-	-	-	-	-	-	+++	++			++	
Blood Worm	Chironomus plumosus	Abundant in polluted waters; Very Common	-	1	-	-	-	-	++	++			++	
Yellow Featherlegs	Copera marginipes	Abundant; Very Widespread	-	-	-	-	-	Least Concern	+					
Common Blue Skimmer (Nymph)	Orthetrum glaucum	Abundant	-	-	-	-	-	Least Concern	+				++	+
Hainan Clubtail (Nymph)	Asiagomphus hainanensis	Common	-	-	-	-	-	Least Concern	+					
Fiery Emperor (Nymph shed)	Anax immaculifrons	Common; Sparse	-	-	-	-	-	Least Concern					+	
Crimson Dropwing (Nymph shed)	Trithemis aurora	Abundant	-	-	-	-	-	Least Concern			ĺ		++	
Indigo Dropwing (Nymph shed)	Trithemis festiva	Abundant	-	-	-	-	-	Least Concern					++	
Asian Common Toad (Tadpole)	Duttaphrynus melanostictus	Widely distributed		-	-	-	-	Least Concern					+++	+++

Notes

- (1) Lee, L. F., Lam, K. S., Ng, K. Y., Chan, K. T. and Young, L. C. (2004). Field Guide to the Freshwater Fish of Hong Kong. Friends of the Country Parks.
- (2) Agriculture, Fisheries and Conservation Department (AFCD) (2021). Hong Kong Biodiversity Database.
- (3) Dudgeon, D. (2003). Hillstreams Hong Kong Field Guides 2. The Department of Ecology and Biodiversity, The University of Hong Kong. Hong Kong. Wan Li Book Co., Ltd.
- (4) Fellowes, J.R., Lau, M.W.N., Dudgeon, D., Reels, G.T., Ades, G.W.J., Carey, G.J., Chan, B.P.L., Kendrick, R.C., Leven, M.R., Wilson, K.D.P. & Yu, Y.T. (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: LC=Local Concern; PRC=Potential Regional Concern; PCC=Potential Global Concern
- (5) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).
- (6) Yue, P.Q. & Chan, Y.Y. (1998). China Red Data Book of Endangered Animals. Pisces. First Edition. Beijing: Science Press.
- (7) Jiang, Z.G., et al. (2016). Red List of China's Vertebrates. Biodiversity Science 24(5): 500-551.
- (8) International Union for the Conservation of Nature (IUCN) (2021). IUCN Red List of Threatened Species. Version 2021.1.
- Code of Abundance: +=Rare; ++=Occasional; +++=Common; ++++=Abundant; +++++=Dominant