

Avifauna

Common Name ⁽¹⁾	Scientific Name	Distribution in Hong Kong ⁽²⁾	Principal Status ⁽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 ⁽⁸⁾	Habitat Within Assessment Area												
									WL	MWL	PL	SL	GL	DAL	AAL	DA	VO	P	NWC	MWC	IF
Little Grebe ⁽¹⁰⁾	<i>Tachybaptus ruficollis</i>	Common	P	LC	-	-	Least Concern	-													+
Black-crowned Night Heron ⁽¹⁰⁾	<i>Nycticorax nycticorax</i>	Common	P	(LC)	-	-	Least Concern	-													++
Striated Heron ⁽¹⁰⁾	<i>Butorides striatus</i>	Uncommon in summer, Scarce in winter	Su	(LC)	-	-	Least Concern	-													+
Chinese Pond Heron ⁽¹⁰⁾	<i>Ardeola bacchus</i>	Common	P	PRC (RC)	-	-	Least Concern	-													+
Grey Heron ⁽¹⁰⁾	<i>Ardea cinerea</i>	Common	W	PRC	-	-	Least Concern	-													++
Great Egret ⁽¹⁰⁾	<i>Ardea alba</i>	Common	P	PRC (RC)	-	-	Least Concern	-													+++
Little Egret ⁽¹⁰⁾	<i>Egretta garzetta</i>	Common	P	PRC (RC)	-	-	Least Concern	-													++
Black Kite ⁽⁹⁾⁽¹⁰⁾	<i>Milvus migrans</i>	Common	W,R	(RC)	Class II	-	Least Concern	-													+
White-breasted Waterhen ⁽¹⁰⁾	<i>Amaurornis phoenicurus</i>	Common	R	-	-	-	Least Concern	-													
Common Sandpiper ⁽¹⁰⁾	<i>Actitis hypoleucos</i>	Common	M,W	-	-	-	Least Concern	-													+
Spotted Dove	<i>Spilopelia chinensis</i>	Abundant	R	-	-	-	Least Concern	-	+	+	+	+	+								+
Common Emerald Dove	<i>Chalcophaps indica</i>	Scarce	R	-	-	Vulnerable	Least Concern	-													+
Asian Koel	<i>Eudynamys scolopacea</i>	Common	Su,R	-	-	-	Least Concern	-													+
Collared Scops Owl ⁽⁹⁾	<i>Otus lettia</i>	Common	R	-	Class II	-	Least Concern	-	+	+	+										
Black-capped Kingfisher ⁽⁹⁾	<i>Halcyon pileata</i>	Common	AM,W	(LC)	-	-	Least Concern	-													+
Scarlet Minivet	<i>Pericrocotus flammeus</i>	Common	R	-	-	-	Least Concern	-	+												
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	Common	M,Su,W	-	-	-	Least Concern	-													+
Red-billed Blue Magpie	<i>Urocissa erythrorhyncha</i>	Common	R	-	-	-	Least Concern	-	+	+	+										+
Collared Crow ⁽¹⁰⁾	<i>Corvus torquatus</i>	Uncommon	R	LC	-	-	Near Threatened	Vulnerable													+
Large-billed Crow	<i>Corvus macrorhynchos</i>	Common	R	-	-	-	Least Concern	-		+											
Cinereous Tit	<i>Parus cinereus</i>	Common	R	-	-	-	-	-	+	+											+
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Abundant	R	-	-	-	Least Concern	-	+	+	+	+	+	++	+	+++	+				
Chinese Bulbul	<i>Pycnonotus sinensis</i>	Abundant	R	-	-	-	Least Concern	-	+	+		+									+
Pygmy Wren-babbler	<i>Pnoepyga pusilla</i>	Rare	-	LC	-	-	Least Concern	-	+												
Mountain Tailorbird	<i>Orthotomus cuculus</i>	Uncommon	-	-	-	-	-	-	+												
Dusky Warbler	<i>Phylloscopus fuscatus</i>	Common	W	-	-	-	Least Concern	-													+
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Common	W	-	-	-	Least Concern	-		+											
Common Tailorbird	<i>Orthotomus sutorius</i>	Common	R	-	-	-	Least Concern	-	+	+	+	+	+								+
Chinese Hwamei ⁽⁹⁾	<i>Garrulax canorus</i>	Common	R	-	-	-	Near Threatened	-		+											
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	Abundant	R	-	-	-	Least Concern	-	+	+	+										+
Greater Necklaced Laughingthrush	<i>Garrulax pectoralis</i>	Common	R	-	-	-	Least Concern	-		+											
Japanese White-eye	<i>Zosterops japonicus</i>	Abundant	R,?W	-	-	-	Least Concern	-	+	+	+										+
Crested Myna	<i>Acridotheres cristatellus</i>	Common	R	-	-	-	Least Concern	-													+
Black-collared Starling	<i>Sturnus nigricollis</i>	Common	R	-	-	-	Least Concern	-													+
Blue Whistling Thrush	<i>Myophonus caeruleus</i>	Common	R	-	-	-	Least Concern	-	+	+	+										+
Oriental Magpie Robin	<i>Copsychus saularis</i>	Abundant	R	-	-	-	Least Concern	-	+	+	+	+		+	+	+	+	+	+	+	
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	Common	R	-	-	-	Least Concern	-	+	+											+
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant	R	-	-	-	Least Concern	-		+						++	++++	+			
White-rumped Munia	<i>Lonchura striata</i>	Common	R	-	-	-	Least Concern	-		+											
Grey Wagtail	<i>Motacilla cinerea</i>	Common	W	-	-	-	Least Concern	-	+												+
White Wagtail	<i>Motacilla alba</i>	Common	W,R	-	-	-	Least Concern	-													+

Note:

(1) All wild birds are Protected under Wild Animals Protection Ordinance (Cap. 170).

(2) AFCD (2019b). Hong Kong Biodiversity Database.

(3) Carey *et al.* (2001): R=resident; W=winter visitor; Su=summer visitor; M=migrant; A=autumn; P=present all year, exact composition unknown; ?W=extent of migration in winter is unclear(4) Fellowes *et al.* (2002): LC=Local Concern; RC=Regional Concern; PRC=Potential Regional 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.

(5) List of Wild Animals Under Special State Protection.

(6) Zheng, G. M. and Wang, Q. S. (1998). China Red Data Book.

(7) Jiang *et al.* (2016). Red List of China's Vertebrates.

(8) IUCN (2020). IUCN Red List of Threatened Species. Version 2020.1.

(9) Protected under Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586).

(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

WL=Woodland; MWL=Mixed Woodland; SL=Shrubland; PL=Plantation; GL=Grassland; DAL=Active Agricultural Land; AAL=Abandoned Agricultural Land; DA=Developed Area; VO=Village/Orchard; P=Pond; NWC=Natural Watercourse; MWC=Modified Watercourse; IF=In-flight.

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Butterfly

Common Name	Scientific Name	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	IUCN Red List ⁽³⁾	Habitat Within Assessment Area											
					WL	MWL	PL	SL	GL	DAL	AAL	DA	VO	P	NWC	MWC
Water Snow Flat	<i>Tagiades litigiosus litigiosus</i>	Common	-	-		+										
Chestnut Angle	<i>Odontoptilum angulatum angulatum</i>	Common	-	-		+										
Chestnut Bob	<i>Iambrix salsala salsala</i>	Uncommon	-	-		+										
Indian Palm Bob	<i>Suastus gremius gremius</i>	Uncommon	-	-			+									
Formosan Swift	<i>Borbo cinnara</i>	Common	-	-	+	+										
Contiguous Swift	<i>Polytremis lubricans lubricans</i>	Common	-	-												+
Dark Swift	<i>Caltoris cahira</i>	Rare	-	-												+
Common Bluebottle	<i>Graphium sarpdon sarpdon</i>	Very common	-	-	+											+
Common Jay	<i>Graphium doson axion</i>	Common	-	-		+										
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	Common	-	-	+	+	+							+	+	+
Five-bar Swordtail	<i>Pathysa antiphates antiphates</i>	Common	-	-												+
Red Helen	<i>Papilio helenus helenus</i>	Very common	-	-	+	+									+	+
Common Mormon	<i>Papilio polytes polytes</i>	Very common	-	-	+	+	+							+	+	+
Great Mormon	<i>Papilio memnon agenor</i>	Very common	-	-	+	+	+							+		+
Spangle	<i>Papilio protenor protenor</i>	Very common	-	-	+	+	+									+
Paris Peacock	<i>Papilio paris paris</i>	Very common	-	-			+							+		+
Painted Jezebel	<i>Delias hyparete hierre</i>	Uncommon	-	-												+
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	Very common	-	-	+	+										+
Common Gull	<i>Cepora nerissa nerissa</i>	Common	-	-												+
Great Orange Tip	<i>Hebomoia glaucippe glaucippe</i>	Common	-	-	+	+										+
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	Common	-	-	+		+							+	+	
-	<i>Catopsilia</i> sp.	-	-	-		+										+
-	<i>Eurema</i> sp.	-	-	-	++	+	+							+	+	+
Dark Cerulean	<i>Jamides bochus bochus</i>	Common	-	-	+										+	+
Metallic Cerulean	<i>Jamides alecto alocina</i>	Very rare	-	-	+		+									+
Forget-me-not	<i>Catochrysops strabo strabo</i>	Very rare	-	-		+	+									+
Long-tailed Blue	<i>Lampides boeticus</i>	Common	-	-		+								+		+
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	Very common	-	-	+	+	+							+		
Common Hedge Blue	<i>Acytolepis puspa gisca</i>	Common	-	-		+										+
Gram Blue	<i>Euchrysops cnejus cnejus</i>	Uncommon	-	-												+
Punchinello	<i>Zemeros flegyas fleygas</i>	Common	-	-		+										
Plum Judy	<i>Abisara echerius echerius</i>	Very common	-	-										+	+	
Common Evening Brown	<i>Melanitis leda leda</i>	Common	-	-		+										
Banded Tree Brown	<i>Lethe confusa confusa</i>	Common	-	-	+									+		
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	Common	-	-		+								+		
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	Very common	-	-	+	+	+									
Common Five-ring	<i>Ypthima baldus baldus</i>	Very common	-	-		+										+
Tawny Rajah	<i>Charaxes bernardus bernardus</i>	Common	-	-										+		

Butterfly

Common Name	Scientific Name	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	IUCN Red List ⁽³⁾	Habitat Within Assessment Area											
					WL	MWL	PL	SL	GL	DAL	AAL	DA	VO	P	NWC	MWC
Angled Castor	<i>Ariadne ariadne alterna</i>	Common	-	-									+			
Rustic	<i>Cupha erymanthis erymanthis</i>	Very common	-	-	++											+
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	Common	-	-	+	+							+	+		
Common Sailer	<i>Neptis hylas hylas</i>	Very common	-	-		+										
Southern Sullied Sailer	<i>Neptis clinia susruta</i>	Common	-	-	+	+										
Short-banded Sailer	<i>Phaedyma columella columella</i>	Common	-	-												+
Common Lascar	<i>Pantoporia hordonia</i>	Uncommon	-	-	+											
Common Mapwing	<i>Cyrestis thyodamas chinensis</i>	Common	-	-		+										+
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	Common	-	-		+										
Common Archduke	<i>Lexias pardalis</i>	-	-	-		+										
Glossy Tiger	<i>Parantica aglela melanoides</i>	Common	-	-	+											
Ceylon Blue Glassy Tiger	<i>Ideopsis similis similis</i>	Very common	-	-	+	+										+
Blue Tiger	<i>Tirumala limniace limniace</i>	Common	-	-												+
Common Tiger	<i>Danaus genutia genutia</i>	Common	-	-												+
Blue-spotted Crow	<i>Euploea midamus midamus</i>	Very common	-	-	+	+							+			+

Notes:

(1) AFCD (2019b). Hong Kong Biodiversity Database.

(2) Fellowes *et al.* (2002).

(3) IUCN (2020). IUCN Red List of Threatened Species. Version 2020.1.

Species of conservation importance is in bold type face

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

WL=Woodland; MWL=Mixed Woodland; SL=Shrubland; PL=Plantation; GL=Grassland; DAL=Active Agricultural Land; AAL=Abandoned Agricultural Land; DA=Developed Area;

VO=Village/Orchard; P=Pond; NWC=Natural Watercourse; MWC=Modified Watercourse

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Odonate

Common Name	Scientific Name	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	IUCN Red List ⁽³⁾	Habitat Within Assessment Area											
					WL	MWL	PL	SL	GL	DAL	AAL	DA	VO	P	NWC	MWC
Common Blue Jewel	<i>Rhinocypha perforata</i>	Abundant	-	-	+											++
Black-banded Gossamerwing	<i>Euphaea decorata</i>	Abundant	-	-												+
Yellow Featherlegs	<i>Copera marginipes</i>	Abundant	-	-		+										+
Black Threadtail	<i>Prodasineura autumnalis</i>	Abundant	-	-									+			
Blue Percher	<i>Diplacodes trivialis</i>	Abundant	-	-			+									
Red-faced Skimmer	<i>Orthetrum chrysostigma</i>	Abundant	-	-											+	+
Common Blue Skimmer	<i>Orthetrum glaucum</i>	Abundant	-	-		+										+
Green Skimmer	<i>Orthetrum serapia</i>	Abundant	-	-												
Lesser Blue Skimmer	<i>Orthetrum triangulare triangulare</i>	Common	-	-	++	+										+
Wandering Glider	<i>Pantala flavescens</i>	Abundant	-	-		++++		++					++			+++
Indigo Dropwing	<i>Trithemis festiva</i>	Abundant	-	-												+
Emerald Cascader	<i>Zygonyx iris insignis</i>	Abundant	PGC	-												+

Notes:

(1) AFCD (2019b). Hong Kong Biodiversity Database.

(2) Fellowes *et al.* (2002): PGC: Potential Global Concern.

(3) IUCN (2020). IUCN Red List of Threatened Species. Version 2020.1.

Species of conservation importance is in bold type face

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Appendix 8.3: Fauna Species Recorded within the Assessment Area

Amphibian

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 ⁽⁶⁾	Habitat Within Assessment Area												
								WL	MWL	PL	SL	GL	DAL	AAL	DA	VO	P	NWC	MWC	
Common Toad	<i>Duttaphrynus melanostictus</i>	Widely distributed	-	-	-	-	-	+	+	+						+	+		+	
Lesser Spiny Frog	<i>Quasipaa exilispinosa</i>	Occurs throughout territory	PGC	-	-	Vulnerable	Vulnerable												+	+
Gunther's Frog	<i>Hylarana guentheri</i>	Widely distributed	-	-	-	-	-									+	+			
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widely distributed	-	-	-	-	-	+											+	
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	-	-	-	-	-	-	+	+								+			

Reptile

Common Name	Scientific Name	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	Protection Status in	China Red Data Book ⁽⁴⁾	Red List of China's	IUCN Red List ⁽⁶⁾	Habitat Within Assessment Area												
								WL	MWL	PL	SL	GL	DAL	AAL	DA	VO	P	NWC	MWC	
Red-eared Slider	<i>Trachemys scripta</i>	Widely distributed and commonly found in reservoirs or ponds in urban parks	-	-	-	-	-										+			+
Chinese Striped Terrapin	<i>Ocadia sinensis</i>	-	-	-	-	-	Endangered									+				
Four-clawed Gecko	<i>Gehyra mutilata</i>	Widely but thinly distributed throughout Hong Kong	-	-	-	Vulnerable	-			+										
Chinese Gecko	<i>Gekko chinensis</i>	Very common and widely distributed	-	-	-	-	-	+								+	+			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Distributed throughout Hong Kong	-	-	-	-	-	+								+				
Changeable Lizard	<i>Calotes versicolor</i>	Widely distributed	-	-	-	-	-		+							+			+	
Long-tailed Skink	<i>Eutropis longicaudata</i>	Widely distributed	-	-	-	-	-	+								+				+
Indian Forest Skink	<i>Sphenomorphus indicus</i>	Commonly distributed in woodlands in the eastern and central New Territories	LC	-	-	-	-													+
Chinese Water Dragon	<i>Physignathus cocincinus</i>	-	-	-	-	-	Vulnerable													+
-	<i>Enhydris spp.</i> ⁽⁸⁾	-	-	-	-	-	-									+				
Taiwan Kukri Snake	<i>Oligodon formosanus</i>	Widely distributed	-	-	-	Near Threatened	-	+												

Notes:

(1) AFCD (2019b). Hong Kong Biodiversity Database.

(2) Fellowes *et al.* (2002): LC=Local Concern.

(3) List of Wild Animals Under Special State Protection

(4) Zhao *et al.* (1998). China Red Data Book of Endangered Animals. Amphibia and Reptilia.

(5) Jiang *et al.* (2016). Red List of China's Vertebrates

(6) IUCN (2020). IUCN Red List of Threatened Species. Version 2020.1.

(7) The individual(s) is artificially introduced/released to the habitat, thus it is not considered as species of conservation importance.

(8) All Enhydris spp. in Hong Kong are considered as species of conservation importance (either listed as "Local Concern" in Fellowes *et al.* (2002) or "Vulnerable" Jiang *et al.* (2016))

Species of conservation importance is in bold type face

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

WL=Woodland; MWL=Mixed Woodland; SL=Shrubland; PL=Plantation; GL=Grassland; DAL=Active Agricultural Land; AAL=Abandoned Agricultural Land; DA=Developed Area;

VO=Village/Orchard; P=Pond; NWC=Natural Watercourse; MWC=Modified Watercourse

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Reptile

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 ⁽⁶⁾	Habitat Within Assessment Area											
								WL	MWL	PL	SL	GL	DAL	AAL	DA	VO	P	NWC	MWC
Red-eared Slider	<i>Trachemys scripta</i>	Widely distributed and commonly found in reservoirs or ponds in urban parks	-	-	-	-	-									+		+	
Chinese Striped Terrapin	<i>Ocadia sinensis</i>	-	-	-	-	-	Endangered									+	⁽⁷⁾		
Four-clawed Gecko	<i>Gehyra mutilata</i>	Widely but thinly distributed throughout Hong Kong	-	-	-	Vulnerable	-		+										
Chinese Gecko	<i>Gekko chinensis</i>	Very common and widely distributed	-	-	-	-	-	+								+	+		
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Distributed throughout Hong Kong	-	-	-	-	-	+								+			
Changeable Lizard	<i>Calotes versicolor</i>	Widely distributed	-	-	-	-	-		+							+		+	
Long-tailed Skink	<i>Eutropis longicaudata</i>	Widely distributed	-	-	-	-	-	+								+		+	
Indian Forest Skink	<i>Sphenomorphus indicus</i>	Commonly distributed in woodlands in the eastern and central New Territories	LC	-	-	-	-											+	
Chinese Water Dragon	<i>Physignathus cocincinus</i>	-	-	-	-	-	Vulnerable												+
-	<i>Enhydris</i> spp.	-	-	-	-	-	-									+			
Taiwan Kukri Snake	<i>Oligodon formosanus</i>	Widely distributed	-	-	-	Near Threatened	-	+											

Notes:

(1) AFCD (2019b). Hong Kong Biodiversity Database.

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(3) List of Wild Animals Under Special State Protection.

(4) Zhao *et al.* (1998). China Red Data Book of Endangered Animals. Amphibia and Reptilia.

(5) Jiang *et al.* (2016). Red List of China's Vertebrates

(6) IUCN (2020). IUCN Red List of Threatened Species. Version 2020.1.

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VO=Village/Orchard; P=Pond; NWC=Natural Watercourse; MWC=Modified Watercourse

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Mammal

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 ⁽⁸⁾	Habitat Within Assessment Area												
								WL	MWL	PL	SL	GL	DAL	AAL	DA	VO	P	NWC	MWC	
Short-nosed Fruit Bat ⁽¹⁾	<i>Cynopterus sphinx</i>	Abundant	-	-	Indeterminate	Near Threatened	-		+	+						+				
Chinese Noctule ⁽¹⁾	<i>Nyctalus plancyi</i>	Common	PRC, (RC)	-	-	-	-	-			+									
Japanese Pipistrelle ⁽¹⁾	<i>Pipistrellus abramus</i>	Very Common	-	-	-	-	-		+	+					+	++	++			+
Least Pipistrelle ⁽¹⁾	<i>Pipistrellus tenuis</i>	Uncommon	-	-	-	Near Threatened	-			+						+				
Chinese Pipistrelle ⁽¹⁾	<i>Hypsugo pulveratus</i>	Rare	(LC)	-	-	Near Threatened	-			+						+				
Rhesus Macaque ⁽¹⁾⁽²⁾	<i>Macaca mulatta</i>	Common	-	Class II	Vulnerable	-	-	++								+				
Pallas's Squirrel ⁽¹⁾	<i>Callosciurus erythraeus</i>	Fairly widely distributed	-	-	-	-	-		+		+									

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) AFCD (2019b). Hong Kong Biodiversity Database.

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

(5) List of Wild Animals Under Special State Protection

(6) Wang *et al.* (1998). China Red Data Book of Endangered Animals. Mammalia.

(7) Jiang *et al.* (2016). Red List of China's Vertebrates.

(8) IUCN (2020). IUCN Red List of Threatened Species. Version 2020.1.

Species of conservation importance is in bold type face

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

WL=Woodland; MWL=Mixed Woodland; SL=Shrubland; PL=Plantation; GL=Grassland; DAL=Active Agricultural Land; AAL=Abandoned Agricultural Land; DA=Developed Area;

VO=Village/Orchard; P=Pond; NWC=Natural Watercourse; MWC=Modified Watercourse

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Aquatic Fauna

Scientific Name	Common Name	Family	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽³⁾	China Red Data Book ⁽⁴⁾	Red List of China's Vertebrates ⁽⁵⁾	IUCN Red List ⁽⁶⁾	Sampling Points						Other NWC	Other MWC
								SP1	SP2	SP3	SP4	SP5	SP6		
Insect															
-	Mayfly (larvae)	Baetidae	Very common ⁽²⁾	-	-	-	-	+		+++		+++	+++		
-	Mayfly (larvae)	Heptageniidae	Common ⁽²⁾	-	-	-	-						+		
-	Mayfly (larvae)	Caenidae	-	-	-	-	-	+							
-	Backswimmer	Notonectidae	Very common ⁽²⁾	-	-	-	-			+++			+	+	
<i>Ptilomera tigrina</i>	Waterskater/Water strider	Gerridae	Very common ⁽²⁾	-	-	-	-						+		+
<i>Metrocoris</i> sp.	Waterskater/Water strider	Gerridae	Very common ⁽²⁾	-	-	-	-	+							+
<i>Rhagovelia</i> sp.	Waterskater/Water strider	Gerridae	Common ⁽²⁾	-	-	-	-	++					+		+
-	Non-biting Midge	Chironomidae	Very common ⁽²⁾	-	-	-	-	+		++					
-	Whirligig Beetle	Gyrinidae	Rare ⁽²⁾	-	-	-	-			+					
-	Beetle	Scitidae	Very common ⁽²⁾	-	-	-	-								+
-	Caddisfly	Helicopsychidae	Rare ⁽²⁾	-	-	-	-			+		+			
-	Caddisfly	Odontoceridae	Common ⁽²⁾	-	-	-	-					+			
-	Caddisfly	Hydropsychidae	Very common ⁽²⁾	-	-	-	-			+					
-	True Fly (larvae)	Diptera	Very common ⁽²⁾	-	-	-	-			+					
-	Mosquito (larvae)	Culicidae	-	-	-	-	-	+							
<i>Chironomus plumosus</i>	Blood Worm	Chironomidae	Abundant in polluted waters; Very common ⁽²⁾	-	-	-	-								+
<i>Anaciaeschna jaspidea</i>	Common Evening Hawker (larvae)	Aeshnidae	Common	-	-	-	Least Concern			+					
<i>Anax guttatus</i>	Pale-spotted Emperor (larvae)	Aeshnidae	Common	-	-	-	Least Concern			+					
<i>Ophiogomphus sinicus</i>	Chinese Hooktail (larvae)	Gomphidae	-	-	-	Data Deficient							+		
<i>Zygonyx iris insignis</i>	Emerald Cascader (larvae)	Libellulidae	Abundant	PGC	-	-	Least Concern	+							
<i>Polycanthagyna erythromelas</i>	Tiger Hawker (larvae)	Aeshnidae	Common	LC	-	-	Least Concern								+
Crustacean															
<i>Caridina</i> sp.	Atyid Shrimp	Atyidae	-	-	-	-	-	++							++
<i>Macrobrachium</i> sp.	-	Palaeomonidae	Very common (2)	-	-	-	-								+
<i>Cryptopotamon anacoluthon</i>	-	Cryptopotamon	Common ⁽²⁾ ; Endemic	PGC	-	-	Vulnerable								+
<i>Eriocheir japonicus</i>	-	Varunidae	-	-	-	-	-						+	+	
Amphibian															
<i>Quasipaa exilispinosa</i>	Lesser Spiny Frog (tadpole)	Ranidae	Occurs throughout territory; Common ⁽²⁾	PGC	-	Vulnerable	Vulnerable			++					

Aquatic Fauna

Scientific Name	Common Name	Family	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽³⁾	China Red Data Book ⁽⁴⁾	Red List of China's Vertebrates ⁽⁵⁾	IUCN Red List ⁽⁶⁾	Sampling Points						Other NWC	Other MWC
								SP1	SP2	SP3	SP4	SP5	SP6		
Freshwater Fish															
<i>Parazacco spilurus</i>	Predaceous Chub	Cyprinidae	Common	-	Vulnerable	-	Data Deficient	+				+		++++	
<i>Gambusia affinis</i>	Mosquito Fish	Poeciliidae	Common	-	-	-	Least Concern					+			
<i>Poecilia reticulata</i>	Guppy	Poeciliidae	Common	-	-	-	-	+++				+++	+++		
<i>Oreochromis niloticus</i>	Nile Tilapia	Cichlidae	Common	-	-	-	-						+++		
<i>Mugil cephalus</i>	Grey Mullet	Mugilidae	Common	-	-	-	Least Concern							+++	
<i>Scatophagus argus</i>	Spotted Scat	Scatophagidae	Common	-	-	-	Least Concern							+	
<i>Siganus canaliculatus</i>	White-spotted Rabbit Fish	Siganidae	Common	-	-	-	Data Deficient	-	+			+		+	
<i>Rhinogobius duospilus</i>	-	Gobiidae	Common	-	-	Data Deficient	-					+		++	
<i>Xiphophorus variatus</i>	Variable Platypfish	Poeciliidae	Common	-	-	-	Least Concern	++				+		+	
<i>Linipharhomaloptera disparis</i>	Broken-band Hillstream Loach	Balitoridae	Common	-	-	Data Deficient	Data Deficient							+	
Gastropod															
<i>Thiaridae</i> sp.	-	Thiaridae	Very common ⁽²⁾	-	-	-	-					++	+++		
<i>Sulcospira hainanensis</i>	Large Stream Snail	Pachychilidae	Abundant and widespread; Very common ⁽²⁾	-	-	-	Least Concern							+	

Notes:

(1) AFCD (2019b). Hong Kong Biodiversity Database.

(2) Dudgeon D. (2003). Hong Kong Field Guides: Hillstreams.

(3) Fellowes *et al.* (2002). LC=Local Concern; PGC=Potential Global Concern.

(4) Yue P. and Chen Y. (1998). China Red Data Book of Endangered Animals: Pisces.

(5) Jiang *et al.* (2016). Red List of China's Vertebrates.

(6) IUCN (2020). IUCN Red List of Threatened Species. Version 2020.1.

Species of conservation importance is in bold type face

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

NWC=Natural Watercourse; MWC=Modified Watercourse