

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Appendix 8.3A: Avifauna Species Recorded within the Assessment Area

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⁾	Assessment Area				
									MWC	DA	PL	MWL	VO
Black-crowned Night Heron ⁽¹⁰⁾	<i>Nycticorax nycticorax</i>	Common	P	(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	-	++	+++			
Intermediate Egret ⁽¹⁰⁾	<i>Egretta intermedia</i>	Common	M,P	RC	-	-	Least Concern	-	+				
Little Egret ⁽¹⁰⁾	<i>Egretta garzetta</i>	Common	P	PRC (RC)	-	-	Least Concern	-	++	++++			
Pacific Reef Heron ⁽¹⁰⁾	<i>Egretta sacra</i>	Uncommon	R	(LC)	Class II	Rare	Least Concern	-		+			
Black Kite ⁽⁹⁾⁽¹⁰⁾	<i>Milvus migrans</i>	Common	W,R	(RC)	Class II	-	Least Concern	-		+			
Crested Goshawk ⁽⁹⁾	<i>Accipiter trivirgatus</i>	Uncommon	R	-	Class II	Rare	Near Threatened	-					+
White-breasted Waterhen ⁽¹⁰⁾	<i>Amaurornis phoenicurus</i>	Common	R	-	-	-	Least Concern	-	+				
Common Sandpiper ⁽¹⁰⁾	<i>Actitis hypoleucos</i>	Common	M,W	-	-	-	Least Concern	-	+	+			
Domestic Pigeon	<i>Columba livia</i>	Common	R	-	-	-	Least Concern	-		+++			
Spotted Dove	<i>Spilopelia chinensis</i>	Abundant	R	-	-	-	Least Concern	-	++	++++	+	++	+
Rose-ringed Parakeet ⁽¹¹⁾	<i>Psittacula krameri</i>	Scarce	R	-	Class II	Indeterminate	Data Deficient	-		+			
Greater Coucal	<i>Centropus sinensis</i>	Common	R	-	Class II	Vulnerable	Least Concern	-					+
Asian Koel	<i>Eudynamis scolopacea</i>	Common	Su,R	-	-	-	Least Concern	-		++			+
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Uncommon	Su	-	-	-	Least Concern	-		+			+
White-throated Kingfisher ⁽¹⁰⁾	<i>Halcyon smyrnensis</i>	Common	AM,P	(LC)	-	-	Least Concern	-	+	+			
Common Kingfisher ⁽¹⁰⁾	<i>Alcedo atthis</i>	Common	AM,P	-	-	-	Least Concern	-	+	+			
Ashy Drongo	<i>Dicurus leucophaeus</i>	Scarce	W	LC	-	-	Least Concern	-		+			+
Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	Common	R	-	-	-	Least Concern	-		+	+	+	+
Eurasian Magpie	<i>Pica pica</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	-	+	++		+	
Barn Swallow	<i>Hirundo rustica</i>	Abundant	SpM,Su	-	-	-	Least Concern	-	+	+		+	
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	Common	W	-	-	-	Least Concern	-		+			
Common Tailorbird	<i>Orthotomus sutorius</i>	Common	R	-	-	-	Least Concern	-					+
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	Abundant	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 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 (2021). 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) The List of Endangered and Protected Species of China.

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

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

(8) IUCN (2021). IUCN Red List of Threatened Species. Version 2021-1.

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

(10) Wetland-dependent species (including wetland-dependent species and waterbirds).

(11) Although Rose-ringed Parakeet is a Class II species in the List of Endangered and Protected Species of China, it is not considered as a species of conservation importance since it is an extralimital species in Hong Kong.

Habitats: MWC=Modified Watercourse; DA=Developed Area; PL=Plantation; MWL=Mixed Woodland; VO=Village/Orchard

Relative Abundance: ++++=Abundant; +++=Common; +=Occasional; +=Scarce

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

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Appendix 8.3B: Butterfly Species Recorded within the Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	Protection Status in China ⁽³⁾	China Red Data Book ⁽⁴⁾	IUCN Red List ⁽⁵⁾	Assessment Area				
							MWC	DA	PL	MWL	VO
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	-	-	-	-		++		+	
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	Very common	-	-	-	-		+		++	
Indian Cabbage White	<i>Pieris canidia canidia</i>	Very common	-	-	-	-		+			
Small Cabbage White	<i>Pieris rapae crucivora</i>	Rare	-	-	-	-		+			
Great Orange Tip	<i>Hebomoia glaucippe glaucippe</i>	Common	-	-	-	-				+	
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	Common	-	-	-	-		+		+	
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	Very common	-	-	-	-		++			
Transparent 6-line Blue	<i>Nacaduba kurava euplea</i>	Common	-	-	-	-		+			
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	Very common	-	-	-	-		+++			++
Lesser Grass Blue	<i>Zizina otis otis</i>	Common	-	-	-	-		++			
Common Hedge Blue	<i>Acytolepis puspa gisca</i>	Common	-	-	-	-		+			
Punchinello	<i>Zemeros flegyas flegyas</i>	Common	-	-	-	-				+	
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	Very common	-	-	-	-				++	
Large Faun	<i>Faunis eumeus eumeus</i>	Common	-	-	-	-					+
Angled Castor	<i>Ariadne ariadne alterna</i>	Common	-	-	-	-		+			
Common Sailer	<i>Neptis hylas hylas</i>	Very common	-	-	-	-		+			

Notes:

(1) AFCD (2021). Hong Kong Biodiversity Database.

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

(3) List of Wild Animals Under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).

(4) Zheng, G. M. and Wang, Q. S. (1998).

(5) IUCN (2021). IUCN Red List of Threatened Species. Version 2021-1.

Habitats: MWC=Modified Watercourse; DA=Developed Area; PL=Plantation; MWL=Mixed Woodland; VO=Village/Orchard

Relative Abundance: ++++=Abundant; +++=Common; ++=Occasional; +=Scarce

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

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Appendix 8.3C: Odonate Species Recorded within the Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	Protection Status in China ⁽³⁾	IUCN Red List ⁽⁴⁾	IUCN Priority Species for Conservation ⁽⁵⁾	Within Assessment Area				
							MWC	DA	PL	MWL	VO
Asian Amberwing	<i>Brachythemis contaminata</i>	Abundant; Scattered	-	-	-	-		+		+	
Crimson Darter	<i>Crocothemis servilia servilia</i>	Abundant; Scattered	-	-	-	-		+			
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	Abundant; Widespread	-	-	-	-	+	+			
Wandering Glider	<i>Pantala flavescens</i>	Abundant; Widespread	-	-	-	-		+++		+++	+

Notes:

(1) 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.

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

(4) IUCN (2021). IUCN Red List of Threatened Species. Version 2021-1.

(5) Moore, N.W. (1997). Dragonflies - Status Survey and Conservation Action Plan.

Habitats: MWC=Modified Watercourse; DA=Developed Area; PL=Plantation; MWL=Mixed Woodland; VO=Village/Orchard

Relative Abundance: ++++=Abundant; +++=Common; ++=Occasional; +=Scarce

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

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Appendix 8.3D: Herpetofauna Species Recorded within the Assessment 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 ⁽⁶⁾	Assessment Area				
								MWC	DA	PL	MWL	VO
Reptile												
Red-eared Slider	<i>Trachemys scripta</i>	Widely distributed and commonly found in reservoirs or ponds in urban parks	-	-	-	-	-		+++			
Chinese Gecko	<i>Gekko chinensis</i>	Very common and widely distributed	-	-	-	-	-		+			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Distributed throughout Hong Kong	-	-	-	-	-		+			
Long-tailed Skink	<i>Eutropis longicaudata</i>	Widely distributed	-	-	-	-	-		+			
Amphibian												
Common Toad	<i>Duttaphrynus melanostictus</i>	Widely distributed	-	-	-	-	-		++			
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	Widely distributed	-	-	-	-	-		+			
Gunther's Frog	<i>Hylarana guentheri</i>	Widely distributed	-	-	-	-	-		+			
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widely distributed	-	-	-	-	-		++			
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	Exotic introduced invasive species	-	-	-	-	-		++			

Notes:

(1) AFCD (2021). Hong Kong Biodiversity Database.

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

(3) The List of Endangered and Protected Species of China.

(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 (2021). IUCN Red List of Threatened Species. Version 2021-1.

Habitats: MWC=Modified Watercourse; DA=Developed Area; PL=Plantation; MWL=Mixed Woodland; VO=Village/Orchard

Relative Abundance: ++++=Abundant; +++=Common; ++=Occasional; +=Scarce

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

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Appendix 8.3E: Mammal Species Recorded within the Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong ⁽²⁾	Level of Concern ⁽³⁾	Protection Status in China ⁽⁴⁾	China Red Data Book ⁽⁵⁾	Red List of China's Vertebrates ⁽⁶⁾	IUCN Red List ⁽⁷⁾	Within Assessment Area				
								MWC	DA	PL	MWL	VO
Musk Shrew	<i>Suncus murinus</i>	Common	-	-	-	-	-		+		+	
Short-nosed Fruit Bat ⁽¹⁾	<i>Cynopterus sphinx</i>	Abundant	-	-	Indeterminate	Near Threatened	-		+++			
Least Horseshoe Bat ⁽¹⁾	<i>Rhinolophus pusillus</i>	Uncommon	PRC, (RC)	-	-	-	-		+			
Chinese Noctule ⁽¹⁾	<i>Nyctalus plancyi</i>	Common	PRC, (RC)	-	-	-	-		+			
Japanese Pipistrelle ⁽¹⁾	<i>Pipistrellus abramus</i>	Very Common	-	-	-	-	-		++			
Unidentified Vespertilionidae sp. ⁽¹⁾	-	-	-	-	-	-	-		+			

Notes:

(1) Protected under Wild Animals Protection Ordinance (Cap. 170).

(2) AFCD (2021). Hong Kong Biodiversity Database.

(3) Fellowes *et al.* (2002): 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.

(4) The List of Endangered and Protected Species of China.

(5) Wang (1998). China Red Data Book of Endangered Animals. Mammalia.

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

(7) IUCN (2021). IUCN Red List of Threatened Species. Version 2021-1.

Habitats: MWC=Modified Watercourse; DA=Developed Area; PL=Plantation; MWL=Mixed Woodland; VO=Village/Orchard

Relative Abundance: ++++=Abundant; +++=Common; ++=Occasional; +=Scarce

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

Appendix 8.3: Fauna Species Recorded within the Assessment Area

Appendix 8.3F: Aquatic Community Species Recorded within the Assessment Area

Scientific Name	Common Name	Family/Order	Distribution in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	China Red Data Book ⁽³⁾	Red List of China's Vertebrates ⁽⁴⁾	IUCN Red List ⁽⁵⁾	Sampling Point		
								SP1	SP2	SP3
Crustacean										
<i>Amphibalanus amphitrite</i>	Acorn barnacle	Balanidae	Very common	-	-	-	-	+	++	+++
<i>Ligia exotica</i>	Sea slater	Ligiidae	Common	-	-	-	-	+		+++
<i>Parasesarma bidens</i>	Sesarmine Crab	Grapsidae	Common	-	-	-		++	+	++
Fish										
<i>Oreochromis niloticus</i>	Nile Tilapia	Cichlidae	Common	-	-	-	-	+++		
<i>Mugil cephalus</i>	Grey Mullet	Mugilidae	Common	-	-	-	Least Concern	+++	+++	++++
<i>Siganus canaliculatus</i>	White-spotted Rabbit Fish	Siganidae	Common	-	-	-	-			++
<i>Ambassis gymnocephalus</i>	Bald Glassy	Ambassidae	Common	-	-	-	Least Concern		+	
<i>Terapon jarbua</i>	Jarbua Terapon, Crescent-banded Grunter	Teraponidae	Common	-	-	-	Least Concern	++		++
Gastropod										
<i>Littoraria articulata</i>	-	Littorinidae	Common	-	-	-	-	++		

Notes:

(1) AFCD (2021). Hong Kong Biodiversity Database.

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.

Williams G.A. (2004). Hong Kong Field Guides: Rocky Shores. The University of Hong Kong

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

(3) Yue P. and Chen Y. (1998). China Red Data Book of Endangered Animals: Pisces. Science Press, Beijing.

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

(5) IUCN (2021). The IUCN Red List of Threatened Species. Version 2021-1.

Relative Abundance: ++++=Abundant; +++=Common; ++=Occasional; +=Scarce