

Appendix 7.6 - Fauna Recorded Within the Assessment Area

Avifauna

Common Name*	Scientific Name	Distribution in HK	Level of Concern <sup>1</sup>	Protection Status in China <sup>2</sup>	China Red Data Book	IUCN Red List	AL	WD	G/S	PL	WC	DA	SW	OR	SE
Little Grebe	<i>Tachybaptus ruficollis</i>	Common	LC	-	-	-	++		+						
Grey Heron	<i>Ardea cinerea</i>	Common	PRC	-	-	-	+				+				
Great Egret	<i>Casmerodius alba</i>	Common	PRC (RC)	-	-	-	+		+		+				
Little Egret	<i>Egretta garzetta</i>	Common	PRC (RC)	-	-	-	+++		+		++				+
Pacific Reef Egret	<i>Egretta sacra</i>	Uncommon	(LC)	Class II	Rare	-					+				
Cattle Egret	<i>Bubulcus ibis</i>	Common	(LC)	-	-	-					+		+	(AF)	
Chinese Pond Heron	<i>Ardeola bacchus</i>	Common	PRC (RC)	-	-	-	+				+		+		+
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Common	(LC)	-	-	-	+		+						
Osprey**	<i>Pandion haliaetus</i>	Common	RC	Class II	Rare	-	+(AF)								
Black Kite**	<i>Milvus migrans</i>	Common	(RC)	Class II	-	-	+(AF)			+(AF)					
Common Buzzard**	<i>Buteo buteo</i>	Common	-	Class II	-	-		+(AF)							
Chinese Francolin	<i>Francolinus pintadeanus</i>	Common	-	-	-	-	+								
White-breasted Waterhen	<i>Amurornis phoenicurus</i>	Common	-	-	-	-	+								
Common Moorhen	<i>Gallinula chloropus</i>	Common	-	-	-	-	+								
Little Ringed Plover	<i>Charadrius dubius</i>	Common	(LC)	-	-	-	+++					+			
Green Sandpiper	<i>Tringa ochropus</i>	Uncommon	-	-	-	-	+								
Wood Sandpiper	<i>Tringa glareola</i>	Common	LC	-	-	-	+								
Common Sandpiper	<i>Actitis hypoleucos</i>	Common	-	-	-	-	+				+		+		
Red-necked Phalarope	<i>Phalaropus lobatus</i>	Common	-	-	-	-	+								
Fantail Snipe	<i>Gallinago gallinago</i>	Common	-	-	-	-	+								
Spotted Dove	<i>Streptopelia chinensis</i>	Common	-	-	-	-	++		+		+		+		
Indian Cuckoo	<i>Cuculus micropterus</i>	Uncommon	-	-	-	-	+		+						
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Uncommon	-	-	-	-	+		+						
Common Koel	<i>Eudynamis scolopacea</i>	Common	-	-	-	-	+		+						
Greater Coucal	<i>Centropus sinensis</i>	Common	-	Class II	Vulnerable	-	+		+		+(AF)				
Savanna Nightjar	<i>Caprimulgus affinis</i>	Uncommon	-	-	-	-	+								
Pacific Swift	<i>Apus pacificus</i>	Common	(LC)	-	-	-	++++(AF)		++						
Pied Kingfisher	<i>Ceryle rudis</i>	Uncommon	(LC)	-	-	-	+								+
Common Kingfisher	<i>Alcedo atthis</i>	Common	-	-	-	-	+								
White-breasted Kingfisher	<i>Halcyon symnensis</i>	Common	(LC)	-	-	-	+		+		+		+		
Black-capped Kingfisher	<i>Halcyon pileata</i>	Common	(LC)	-	-	-	+		+		+				
Blue-tailed Bee-eater	<i>Merops philippinus</i>	Scarce	-	-	-	-			+						
Barn Swallow	<i>Hirundo rustica</i>	Common	-	-	-	-	+++		+			+	+		
Yellow Wagtail	<i>Motacilla flava</i>	Common	-	-	-	-	+								
Grey Wagtail	<i>Motacilla cinerea</i>	Common	-	-	-	-	+								
White Wagtail	<i>Motacilla alba</i>	Common	-	-	-	-	+++		+		+				
Olive-backed Pipit	<i>Anthus hodgsoni</i>	Common	-	-	-	-	+		+				+		
Black-winged Cuckoo-shrike	<i>Coracina melaschistos</i>	Scarce	-	-	-	-	+(AF)								
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Abundant	-	-	-	-	+	++	++	+	+	+	+		
Chinese Bulbul	<i>Pycnonotus sinensis</i>	Abundant	-	-	-	-	+++	++	+++		+	+	+		
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	Uncommon	-	-	-	-	+	+	+						

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Long-tailed Shrike	<i>Lanius schach</i>	Common	-	-	-	-	+		+	+	+	+	+		
Oriental Magpie Robin	<i>Copsychus saularis</i>	Abundant	-	-	-	-	+	+	+		+	+	+		
Blue Rock Thrush	<i>Monticola solitarius</i>	Uncommon	-	-	-	-									
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	Abundant	-	-	-	-	+	++	++		+				
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common	-	-	-	-	++	+	+	+	+				
Plain Prinia	<i>Prinia inornata</i>	Common	-	-	-	-	+								
Japanese White-eye	<i>Zosterops japonica</i>	Abundant	-	-	-	-			+						
Little Bunting	<i>Emberiza pusilla</i>	Common	-	-	-	-			+						
Scaly-breasted Munia	<i>Lonchura punctulata</i>	Common	-	-	-	-			+			++			
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant	-	-	-	-	+		++			+			
White-shouldered Starling	<i>Sturnus sinensis</i>	Common	(LC)	-	-	-	++		+	+					
Black-collared Starling	<i>Sturnus nigricollis</i>	Common	-	-	-	-	+		+	+	+	+	+		
Crested Myna	<i>Artiotheres cristallus</i>	Common	-	-	-	-	++++	+++	+++	+	+	+	+++		
Black Drongo	<i>Dicrura macrocercus</i>	Common	-	-	-	-	+		+		+				
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	Common	-	-	-	-	+		+						
Common Magpie	<i>Pica pica</i>	Common	-	-	-	-	+		+			+			

Note: +=Rare; ++=Occasional; +++=Common; ++++=Abundant

1. Fellowes et al. (2002); GC=Global concern; RC=Regional concern; LC=Local concern; PGC=Potential Global 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.

2. Key Protected Wildlife Species List under PRC's Wild Animal Protection Law: II = Category II Protected Species.

\* All wild birds are protected under the Wild Animal Protection Ordinance (Cap. 170)

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

Birds at flight during record are marked as AF

AL=Ash Lagoon; WD= Secondary Woodland; G/S= Secondary Woodland; WC=Watercourse; DA=Developed Area/Disturbed Area; SW =Seawall; OR=Orchard; SE=Coastal Waters

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Insect	Common Name	Scientific Name	Status in Hong Kong	Level of Concern <sup>1</sup>	AL	WD	G/S	PL	WC	DA	SW	OR	SE
<b>Dragonfly</b>													
	Asian Amberwing	<i>Brachythemis contaminata</i>	Abundant	-	+++	+	++		+	++			
	Common Flangetail	<i>Ictinogomphus pertinax</i>	Abundant	-			+						
	Crimson Darter	<i>Crocothemis servilia</i>	Abundant	-	+	+	+			+			
	Wandering Glider	<i>Pantala flavescens</i>	Abundant	-	+	+	+++	+	+	+			
	Variagated Flutterer	<i>Rhyothemis variegata</i>	Common	-	++	+	+			+			
	Blue Percher	<i>Diplacodes trivialis</i>	Abundant	-	+	+				+			
	Green Skimmer	<i>Orthetrum sabina sabina</i>	Common	-	+	++	++		++	+			
<b>Damselfly</b>													
	Common Bluetail	<i>Ischnura senegalensis</i>	Abundant	-	+	+	+		+	+			
	Black Threadtail	<i>Prodasineura autumnalis</i>	Abundant	-					+				
<b>Butterfly</b>													
<b>Papilionidae</b>													
	Common Mormon	<i>Papilio polytes polytes</i>	Common	-	+	++	+						
	Great Mormon	<i>Papilio memnon agenor</i>	Common	-		+++	+		+				
	Red Helen	<i>Papilio helenus helenus</i>	Common	-		++	+		+				
	Paris Peacock	<i>Papilio paris paris</i>	Common	-	+	+	+						
	Spangle	<i>Papilio protenor</i>	Common	-			++						
	Common Bluebottle	<i>Graphium sarpedon</i>	Common	-			+				+		
	Glassy Bluebottle	<i>Graphium cloanthus</i>	Rare	LC		+							
	Common Jay	<i>Graphium doson axion</i>	Uncommon	-			+						
	Chinese Peacock	<i>Papilio bianor</i>	Common	-		++	+		+				
	Lime Butterfly	<i>Papilio demoleus demoleus</i>	Common	-			+		+				
<b>Pieridae</b>													
	Indian Cabbage White	<i>Pieris canidia</i>	Common	-			++++		+		+		
	Common Grass Yellow	<i>Eurema hecabe</i>	Common	-		+	+++						
	Lemon Emigrant	<i>Catopsilia pomona</i>	Common	-	+		+						
<b>Nymphalidae</b>													
	Great Eggfly	<i>Hypolimnas bolina</i>	Common	-		+	+						
	Danaid Egg-fly	<i>Hypolimnas misippus</i>	Uncommon	LC		+	++		+				

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Insect	Common Name	Scientific Name	Status in Hong Kong	Level of Concern <sup>1</sup>	AL	WD	G/S	PL	WC	DA	SW	OR	SE
	Rustic	<i>Cupha erymanthis</i>	Common	-		+	+						
	Peacock Pansy	<i>Junonia almana</i>	Common	-			+				+		
	Red Ring Skirt	<i>Hestina assimilis</i>	Common	-	+	+	+		+				
	Common Sailer	<i>Neptis hylas</i>	Common	-		+	++						
	<b>Lycaenidae</b>												
	Pale Grass Blue	<i>Zizeeria maha</i>	Common	-			+						
	Small Grass Blue	<i>Famegana alsulus</i>	Common	-			+						
	Purple Sapphire	<i>Heliophorous epicles</i>	Common	-			+						
	<b>Satyridae</b>												
	Dark-brand Bush Brown	<i>Mycalesis mineus mineus</i>	Common	-			+						
	Common Evening Brown	<i>Melanitis leda leda</i>	Common	-			+		+				
	Common Palmfly	<i>Elymnias hypermnestra</i>	Common	-			+						
	<b>Riodinidae</b>												
	Plum Judy	<i>Abisara echerius</i>	Common	-			+						
	<b>Hesperiidae</b>												
	Little Branded Swift	<i>Pelopidas agna</i>	Uncommon	-			+						
	Greenish Palm Dart	<i>Telicota ancilla</i>	Common	-			+						
		<i>Telicota</i> sp.	-	-			+						
	Lesser Band Dart	<i>Potanthus trachala trachala</i>	Common	-			+						
	<b>Amathusiidae</b>												
	Common Duffer	<i>Discophora sondaica</i>	Common	-			+						

Note: +=Rare; ++=Occasional; +++=Common; ++++=Abundant

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Appendix 7.6 - Fauna Recorded Within the Assessment Area

Herpetofauna & Mammals

Common Name	Scientific Name	Distribution in HK	Level of Concern <sup>1</sup>	Protection Status in China <sup>2</sup>	IUCN Red List	AL	WD	G/S	PL	WC	DA	SW	OR	SE
<b>Amphibian</b>														
Gunther's Frog	<i>Rana guentheri</i>	Widely distributed	-	-	-	+		+		+				
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widely distributed	-	-	-			++			+			
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	Widely distributed	-	-	-	++					++			
Asian Common Toad	<i>Bufo melanostictus</i>	Widely distributed	-	-	-	+		+			+			
Paddy Frog	<i>Rana limnocharis</i>	Widely distributed	-	-	-	+					+			
Ornate Pigmy Frog	<i>Microhyla ornata</i>	Widely distributed	-	-	-	+		+						
<b>Reptile</b>														
Chinese Gecko	<i>Gekko chinensis</i>	Widely distributed	-	-	-	+								
Changeable Lizard	<i>Calotes veriscolor</i>	Widely distributed	-	-	-							+		
Long-tailed Skink	<i>Mabuya longicaudata</i>	Widely distributed	-	-	-	+					+	+		
Brown Forest Skink	<i>Sphenomorphus incognitus</i>	Distributed in streams in central and eastern New	-	-	-					+				
Copperhead Racer	<i>Elaphe radiata</i>	Widely distributed	PRC	Listed as Endangered in China Red Data	-							+		
<b>Mammal</b>														
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	Abundant and widely distributed	-	-	-						+			
Unidentified Mammal Scat 1	-	-	-	-	-							+		
Unidentified Mammal Scat 2	-	-	-	-	-								+	

Note: +=Rare; ++=Occasional; +++=Common; ++++=Abundant

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2. Key Protected Wildlife Species List under PRC's Wild Animal Protection Law: II = Category II Protected Species.

Note: \* Protected under Wild Animals Protection Ordinance (Cap. 170)

AL=Ash Lagoon; WD= Secondary Woodland; G/S=Grassland/Shrubland; PL=Plantation; WC=Watercourse; DA=Developed Area/Disturbed Area; SW=Seawall; OR=Orchard; SE=Coastal Waters

Appendix 7.6 - Fauna Recorded Within the Assessment Area

Freshwater Communities  
Fish

Common name	Scientific name	Status	Watercourse W1		
			Site 1	Site 2	Site 3
<b>Fish</b>					
Chameleon Goby	<i>Tridentiger trigonocephalus</i>	Common	+++	+++	
Mosquito Fish	<i>Gambusia affinis</i>	Common		+++	
Common Mudskipper	<i>Periophthalmus modestus</i>	Common		+	++++
Nile Tilapia	<i>Oreochromis niloticus</i>	Common		+++++	
<b>Shrimp</b>					
	<i>Caridina cantonensis</i>	Very Common	+++	++++	
Hainan Swamp Shrimp	<i>Macrobrachium hainanense</i>	Very Common	++	+++	
<b>Damselfly Nymph</b>					
Damselfly Nymph			++		
<b>Crab</b>					
	<i>Cryptopotamon anacoluthon</i>	Very Common			++++
<b>Bivalves</b>					
Rock Oyster	<i>Saccostrea cucullata</i>	Very Common			++
<b>Flora</b>					
	<i>Kandelia obovata</i>				+

Note: +=Rare; +=Occasional; +++=Common; ++++=Abundant

Note: No significant findings were recorded from watercourse W2 (site 4 - 6) and W3 (site 7 - 8) during the surveys.



Appendix 7.6 - Fauna Recorded within the Assessment Area

Intertidal Survey - Rocky Shote Invertebrates

Survey date	Survey location	Status in Hong Kong	16/06/2008																							
			Site 1				Site 2				Site 3				Site 4				Site 5							
			Sloping Large Boulder Seawall 4m				Sloping Large Boulder Seawall 6m				Sloping Large Boulder Seawall 6m				Sloping Large Boulder Seawall 6m				Sloping Large Boulder Seawall 6m							
1	2	3	4	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	8	
Quadrat																										
Periwinkle		Very Common																								
<i>Nocillitorina radiata</i>		Very Common																								
<i>Nocillitorina trochoides</i>		Very Common																								
<i>Littoraria articulata</i>		Common																								
<b>Planaxid Snail</b>																										
<i>Planaxis sulcatus</i>		Very Common																								
<b>Limpet / False Limpet</b>																										
<i>Patelloida pygmaea</i>		Very Common																								
<i>Siphonaria laciniosa</i>		Common																								
<b>Littorinids</b>																										
<i>Littoraria melanostoma</i>		Common																								
<b>Crabs</b>																										
<i>Clibanarius</i> sp.		Common																								
<b>Bivalves</b>																										
<i>Barbatia virescens</i>		Common																								
<i>Perna viridis</i>		Common																								
<i>Septifer virgatus</i>		Very Common																								
<i>Saccostrea cucullata</i>		Very Common	20%	10%	5%						5%	> 5%	5%	<5%	<5%											
<b>Barnacles</b>																										
<i>Balanus amphitrite</i>		Very Common																								
<i>Balanus</i> sp.		-																								
<i>Chthamalus malayensis</i>		Very Common																								
<b>Nerite</b>																										
<i>Nerita albicilla</i>		Common	16	12	15						14	17	29	14	7	5	1	1	12	22	25	6				
<b>Cerith</b>																										
<i>Cerithidea djadjarjensis</i>		Common																								
<b>Encrusting Algae</b>																										
<i>Ralfsia expansa</i>		Common																								
<i>Hildenbrandia rubra</i>		Very Common	10%	20%	10%						10%	30%	30%	5%	10%											
<i>Hildenbrandia occidentalis</i>		Common																								
<i>Gelidium pusillum</i>		Common																								
<i>Pseudodelvella appianata</i>		Common	<5%	5%							10%				10%											
<b>Erect Algae</b>																										
<i>Enteromorpha</i> spp.		Common																								
<i>Ulva lactuca</i>		Very Common																								
<b>Sea Anemone</b>																										
<i>Haliplanella lineata</i>		Common																								
<b>Hermit Crab</b>																										
<i>Paquiroidea</i>		-																								
<b>True Crabs</b>																										
<i>Grapsus albolineatus</i>		Common																								
<i>Hemigrapsus sanguineus</i>		Common	1																							
<b>Sea Slaters</b>																										
<i>Ligia exotica</i>		Common																								
<b>Mudskipper</b>																										
<i>Periopthalmus cantonensis</i>		Common																								

Note:

1. Low tide mark – Quadrat 1
2. For mobile fauna, the survey results are presented in terms of counts or nos. per unit area
3. For sessile organisms (such as barnacles, oysters, algae and cyanobacteria), the survey results are presented in terms of estimated percentage cover per fixed area



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			Site 1				Site 2				Site 3				Site 4				Site 5				
			Sloping Large Boulder Seawall				Sloping Large Boulder Seawall				Sloping Large Boulder Seawall				Sloping Large Boulder Seawall				Sloping Large Boulder Seawall				
4m				6m				6m				6m				6m							
Intertidal type	Transect Length (m)		1	2	3	4	1	2	3	4	5	6	7	1	2	3	4	5	1	2	3	4	5
<b>Periwinkle</b>																							
<i>Nocillitorina radiata</i>		Very Common																					
<i>Nocillitorina trochoides</i>		Very Common																					
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<i>Perna viridis</i>		Common																					
<i>Septifer virgatus</i>		Very Common																					
<i>Saccostrea cucullata</i>		Very Common																					
<b>Barnacles</b>																							
<i>Balanus amphitrite</i>		Very Common																					
<i>Balanus</i> sp.		-																					
<i>Chthamalus malayensis</i>		Very Common																					
<b>Nerite</b>																							
<i>Nerita albicilla</i>		Common																					
<b>Cerith</b>																							
<i>Cerithidea djadjarisensis</i>		Common																					
<b>Encrusting Algae</b>																							
<i>Ralfsia expansa</i>		Common																					
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<i>Pseudulvella appplanata</i>		Common																					
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<i>Paquiroidea</i>		-																					
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<i>Hemigrapsus sanguineus</i>		Common																					
<b>Sea Slaters</b>																							
<i>Ligia exotica</i>		Common																					
<b>Mudskipper</b>																							
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