

Appendix 8.4 List of Recorded Fauna Species

Appendix 8.4 - Table A1 List of Mammal Recorded in the Assessment Area

Common Name	Species Name	Distribution in Hong Kong ¹	Conservation Status	Project Area*								Ecological Assessment Area*									
				WL	AL	S	MW	DC	VO	VA	UA	WL W3	LP	SG	AL	S	MW	DC	PO	VO	VA
East Asian Porcupine	<i>Hystrix brachyura</i>	Very Common	Cap.170; Potential Global Concern																		Scat
Eurasian Wild Pig	<i>Sus scrofa</i>	Very Common	-																		Sign
Insectivorous bat	<i>Microchiroptera (Suborder level)</i>	-	Cap.170																		3

Notes:

All bats and most mammals other than mice and rats are protected under Wild Animal Protection Ordinance (Cap. 170)

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

2. Habitat: WL: Woodland;LP: Landscape Plantation;SG: Shrub-grassland; AL: Agricultural Land; N: River Network; S: Natural Stream; MW: Semi-natural Stream; DC: Drainage Channel; PO: Pond; VO: Village/ Orchard; VA: Village Area; UA: Urban Area.

* To save page space against empty data, woodland (WL) and aquatic habitats (S, MW, DC) were only expanded when species was recorded at particular woodland patch (W1-W7); stream/modified watercourse of network (N1-2). However, all habitat types were listed out.

Appendix 8.4 - Table A2 List of Bird Recorded in the Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong ¹	Status in Hong Kong ²	Conservation Status ³	Project Area*								Ecological Assessment Area*								
					WL W3	AL	S	MW	DC	VO	VA	UA	WL W2	WL W3	WL W5	LP	SG	AL	DC	PO	VO
Asian Brown Flycatcher	<i>Muscicapa latirostris</i>	Common	M, W	-																	1
Asian Koel	<i>Eudynamys scolopaceus</i>	Common	R	-																	1
Black Drongo	<i>Dicurus macrocerus</i>	Common	S	-																	1
Black-collared Starling	<i>Gracupica nigricollis</i>	Common	R, W	-						5											1
Blue Whistling Thrush	<i>Myophonus caeruleus</i>	Common	R, W	-																	3
Chinese Bulbul	<i>Pycnonotus sinensis</i>	Abundant	R, W	-																	1
Cinereous Tit	<i>Parus cinereus</i>	Common	R, W	-																	2
Common Tailorbird	<i>Orthotomus sutorius</i>	Common	R, W	-																	10
Crested Myna	<i>Acridotheres cristatellus</i>	Common	R	-																	3
Daurian Redstart	<i>Phoenicurus aureus</i>	Common	W	-																	13
Domestic Pigeon	<i>Columba livia</i>	Common	R	-																	5
Dusky Warbler	<i>Phylloscopus fuscatus</i>	Common	M, W	-																	1
Eurasian Tree Sparrow	<i>Passer montanus</i>	Abundant	R, W	-																	16
Grey Wagtail	<i>Motacilla cinerea</i>	Common	M, W	-																	11
House Swift	<i>Apus nipalensis</i>	Abundant	R, M	-																	10
Japanese White-eye	<i>Zosterops japonicus</i>	Abundant	R	-																	2
Large-billed Crow	<i>Corvus macrorhynchos</i>	Common	R	-																	2
Little Egret	<i>Egretta garzetta</i>	Common	R	Potential Regional Concern																	2
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	Abundant	R	-																	8
Olive-backed Pipit	<i>Anthus hodgsoni</i>	Common	M, W	-																	3
Oriental Magpie Robin	<i>Copsychus saularis</i>	Abundant	R	-																	4
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Abundant	R	-																	4
Richard's Pipit	<i>Anthus richardi</i>	Common	M, W	-																	2
Scaly-breasted Munia	<i>Lonchura punctulata</i>	Common	R	-																	5
Spotted Dove	<i>Spilopelia chinensis</i>	Abundant	R	-																	6
White Wagtail	<i>Motacilla alba</i>	Common	M, W	-																	3
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	Common	R	-																	2
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common	R	-																	1
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Common	M, W	-																	3

Notes:

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

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

2. Status according to Viney et al. (2005) The Birds of Hong Kong and South China (8th Edition):

R=resident; S= summer visitor; W=winter visitor; M=migrant; A=autumn; P=present all year, exact composition

3. Cap. 586: Protection of Endangered Species of Animals and Plants Ordinance

Conservation concern according to Fellowes et al. (2002) Wild animals to watch: terrestrial and freshwater fauna of conservation concern in Hong Kong. In Hodgkiss, I.J. (ed.). Memoirs of the Hong Kong Natural History Society, No. 19, Hong Kong. pp.123-159.

4. Habitat: WL: Woodland;LP: Landscape Plantation; SG: Shrub-grassland; AL: Agricultural Land; N: River Network; S: Natural Stream; MW: Semi-natural Stream; DC: Drainage Channel; PO: Pond; VO: Village/ Orchard; VA: Village Area; UA: Urban Area.

* To save page space against empty data, woodland (WL) and aquatic habitats (S, MW, DC) were only expanded when species was recorded at particular woodland patch (W1-W7); stream/modified watercourse of network (N1-2). However, all habitat types were listed out.

Appendix 8.4 - Table A3 List of Herpetofauna Recorded in the Assessment Area

Common Name	Species Name	Distribution in Hong Kong ¹	Conservation Status ²	Project Area*									Ecological Assessment Area*																
				WL	AL	S	MW	DC	VO	VA	UA	WL	LP	SG	AL	S	MW	DC	PO	VO	VA	UA							
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	Widely distributed	-												1														
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widely distributed	-																										1
Changeable Lizard	<i>Calotes versicolor</i>	Widely distributed	-																										1
Chinese Forest Skink	<i>Ateuchosaurus chinensis</i>	Uncommon	-																										1
Chinese Gecko	<i>Gekko chinensis</i>	Widely distributed	-																										1

Notes:

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

Karsen et al. (1998). Hong Kong Amphibians and Reptiles (2nd Edition)

Chan et al. (2009). The Skink of Hong Kong. Hong Kong Biodiversity AFCD Newsletter, 17. pp 1-12.

2. Conservation concern according to Fellowes et al. (2002) Wild animals to watch: terrestrial and freshwater fauna of conservation concern in Hong Kong. In Hodgkiss, I.J. (ed.). Memoirs of the Hong Kong Natural History Society, No. 19, Hong Kong. pp.123-159.

3. Habitat: WL: Woodland; LP: Landscape Plantation; SG: Shrub-grassland; AL: Agricultural Land; N: River Network; S: Natural Stream; MW: Semi-natural Stream; DC: Drainage Channel; PO: Pond; VO: Village/ Orchard; VA: Village Area; UA: Urban Area.

* To save page space against empty data, woodland (WL) and aquatic habitats (S, MW, DC) were only expanded when species was recorded at particular woodland patch (W1-W7); stream/ modified watercourse of network (N1-2). However, all habitat types were listed out.

Appendix 8.4 - Table A4 List of Butterfly Recorded in the Assessment Area

Common Name	Scientific Name	Distribution & Conservation Status ¹	Project Area*								Ecological Assessment Area*											
			WL W3	AL	S	MW	DC	VO	VA	UA	WL W3	WL W6	LP	SG	AL	S	MW	DC	PO	VO	VA	UA
Common Grass Yellow	<i>Eurema hecabe</i>	Very Common								2												2
Common Mormon	<i>Papilio polytes</i>	Very Common									1									1		
Common Sailer	<i>Neptis hylas</i>	Very Common											1									
Dark-brand Bush Brown	<i>Mycalesis mineus</i>	Very Common									2											
Formosan Swift	<i>Borbo cinnara</i>	Common												1								
Indian Cabbage White	<i>Pieris canidia</i>	Very Common							1						2					1	2	
Large Faun	<i>Faunis eumeus</i>	Common	1																			
Lemon Emigrant	<i>Catopsilia pomona</i>	Common																			1	
Pale Grass Blue	<i>Pseudozizeeria maha</i>	Very Common							1					1						1	1	1
Punchinello	<i>Zemeros flegyas</i>	Common												1								
Red-base Jezebel	<i>Delias pasithoe</i>	Very Common													1							
Spangle	<i>Papilio protenor</i>	Very Common									1											

Notes:

1. Commonness and conservation status as per AFCD database. Available at <http://www.afcd.gov.hk/english/conservation/hk biodiversity/database/search.asp>
 Chan et al. (2011). A Review of the Local Restrictedness of Hong Kong Butterflies. Hong Kong Biodiversity AFCD Newsletter 21. pp 1-12.

2. Habitat: WL: Woodland;LP: Landscape Plantation; SG: Shrub-grassland; AL: Agricultural Land; N: River Network; S: Natural Stream; MW: Semi-natural Stream; DC: Drainage Channel; PO: Pond; VO: Village/ Orchard; VA: Village Area; UA: Urban Area.

* To save page space against empty data, woodland (WL) and aquatic habitats (S, MW, DC) were only expanded when species was recorded at particular woodland patch (W1-W7); stream/modified watercourse of network (N1-2). However, all habitat types were listed out.

Appendix 8.4 - Table A5 List of Odonate Recorded in the Assessment Area

Common Name	Scientific Name	Distribution in Hong Kong ¹	Project Area*								Ecological Assessment Area*								
			WL	AL	S	MW	DC	VO	VA	UA	WL	LP	SG	AL	MW N1	DC	PO	VO	VA
Blue Percher	<i>Diplacodes trivialis</i>	Abundant																	1
Common Bluetail	<i>Ischnura senegalensis</i>	Abundant																	1
Common Blue Skimmer	<i>Orthetrum glaucum</i>	Abundant												1		1			
Orange-tailed Midget	<i>Agriocnemis femina</i>	Abundant																	2
Orange-tailed Sprite	<i>Ceriagrion auranticum</i>	Abundant													1				2
Variiegated Flutterer	<i>Rhyothemis variegata</i>	Common												1					
Wandering Glider	<i>Pantala flavescens</i>	Abundant													2		1		20
Yellow Featherlegs	<i>Copera marginipes</i>	Abundant												1					

Notes:

1. Commonness as per AFCD database. Available at <http://www.afcd.gov.hk/english/conservation/hkbiodiversity/database/search.asp?lan>,

2. Habitat: WL: Woodland;LP: Landscape Plantation; SG: Shrub-grassland; AL: Agricultural Land; N: River Network; S: Natural Stream; MW: Semi-natural Stream; DC: Drainage Channel; PO: Pond; VO: Village/ Orchard; VA: Village Area; UA: Urban Area.

* To save page space against empty data, woodland (WL) and aquatic habitats (S, MW, DC) were only expanded when species was recorded at particular woodland patch (W1-W7); stream/modified watercourse of network (N1-2). However, all habitat types were listed out.

Appendix 8.4 - Table A6 List of Aquatic Fauna Recorded in the Assessment Area

Common Name	Scientific Name	Distribution & Conservation Status ¹	Project Area*									Ecological Assessment Area*																	
			WL	AL	S	R1f	R1i	VO	VA	UA	WL	LP	SG	AL	MW	N1	^S N1	DC	PO	VO	VA	UA							
Apple Snail	<i>Pomacea canaliculata</i>	Common, exotic														10													50+
Bee shrimp	<i>Caridina cantonensis</i>	Common VU in IUCN;														60+													
Freshwater crab 1	<i>Cryptopotamon anacolu</i>	Potential Global Concern; Endemic				1										4													
Freshwater crab 2	<i>Somaniathelphusa zani</i>	EN in IUCN; Global Concern; Endemic														8	4												
Mosquito Fish	<i>Gambusia affinis</i>	Common, exotic														50+												100+	
Nile Tilapia	<i>Oreochromis niloticus</i>	Common, exotic				5	10									10												100+	
Red-rimmed Melania	<i>Melanooides tuberculata</i>	Common														10												100+	
Snail	<i>Sinotaia quadrata</i>	Common														5												100+	
Water Skater	<i>Ptilomera tigrina</i>	Common														10													

Notes:

1. Distribution as per Dudgeon (2003) Hillstreams; Lee et al. (2004) Field Guide to the Freshwater Fish of Hong Kong; AFCD database. Available at <http://www.afcd.gov.hk/english/conservation/hk biodiversity/database/search.asp?lang=en>
Stanton et al. (2016, 2017)

IUCN: IUCN Red List; EN: Endangered; VU:Vulnerable; Conservation concern according to Fellowes et al. (2002) Wild animals to watch: terrestrial and freshwater fauna of conservation concern in Hong Kong. In Hodgkiss, I.J. (ed.). Memoirs of the Hong Kong Natural History Society, No. 19, Hong Kong. pp.123-159.

2. Habitat: WL: Woodland;LP: Landscape Plantation; SG: Shrub-grassland; AL: Agricultural Land; N: River Network; S: Natural Stream; MW: Semi-natural Stream; DC: Drainage Channel; PO: Pond; VO: Village/ Orchard; VA: Village Area; UA: Urban Area.

* To save page space against empty data, woodland (WL) and aquatic habitats (S, MW, DC)were only expanded when species was recorded at particular woodland patch (W1-W7); stream/modified watercourse of network (N1-2). However, all habitat types were listed out.