

Appendix 8.3 List of Fauna recorded within the Assessment Area



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Table A8-1 Avifauna recorded within the Project Area

			Protection status/	Habi	tat	
Scientific Name	Common Name	Status in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	Developed Area	Plantation	Total
Spilopelia chinensis	Spotted Dove	very common resident		2		2
Hierococcyx sparverioides	Large Hawk Cuckoo	summer visitor and passage migrant			4	4
Cuculus micropterus	Indian Cuckoo	summer visitor and passage migrant			1	1
Eudynamys scolopaceus	Asian Koel	recorded in all months, widespread			6	6
Centropus bengalensis	Lesser Coucal	widespread and fairly common resident	CRDB (V), CPS (2)		1	1
Apus nipalensis	House Swift	spring migrant and resident		4		4
Hirundo rustica	Barn Swallow	abundant passage migrant especially in spring, common breeding species and uncommon winter visitor		1	6	7
Motacilla alba	White Wagtail	common in winter and spring		4		4
Pycnonotus jocosus	Red-whiskered Bulbul	abundant resident		1		1
Copsychus saularis	Oriental Magpie Robin	abundant resident		5	3	8
	<u> </u>	Total numb	per of species recorded:	6	6	10
		Total Number	of individuals recorded:	17	21	38

Table A8-2 Avifauna recorded within the Assessment Area

Scientific Name	Common Name	Status in Hong Kong ⁽¹⁾	Protection status/ Level of Concern ⁽²⁾	WAA	ActAc	DV	G	HG	labita O	t PL	P	s	V	R	W	AF	Total
Tachybaptus ruficollis	Little Grebe	present all year on ponds and pools	LC		100 9						2			•			2
Ardeola bacchus	Chinese Pond Heron	winter, migrant and breeding populations in widespread wetlands and damp areas	PRC(RC)								2						2
Milvus migrans	Black Kite	present all year and widespread	Cap. 586, CPS (2), (RC)													2	2



			Protection status/							Habita	t							
Scientific Name	Common Name	Status in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	WAA	ActAg	DV	G	HG	OF	0	PL	Р	S	٧	R	W	AF	Total
Francolinus pintadeanus	Chinese Francolin	locally-distributed resident						2					2					4
Amaurornis phoenicurus	White-breasted Waterhen	common resident										1						1
Gallinula chloropus	Common Moorhen	winter visitor, breeding species and migrant													1			1
Spilopelia chinensis	Spotted Dove	very common resident		1	3	7	6		3	1	2	1	11	11	1			47
Hierococcyx sparverioides	Large Hawk Cuckoo	summer visitor and passage migrant						4			3		2	1		5		15
Cuculus micropterus	Indian Cuckoo	summer visitor and passage migrant									1							1
Cacomantis merulinus	Plaintive Cuckoo	recorded in all months, mainly in spring and summer					1			1								2
Eudynamys scolopaceus	Asian Koel	recorded in all months, widespread		1		1				3	2		2	1		3		13
Centropus sinensis	Greater Coucal	widespread and common resident	CRDB (V), CPS (2)	1			1	2					2		1	1		8
Otus lettia	Collared Scops Owl	widespread and common resident	Cap. 586, CPS (2)								1		1					2
Glaucidium cuculoides	Asian Barred Owlet	widespread though locally-distributed resident									1							1
Apus nipalensis	House Swift	spring migrant and resident									5							5
Alcedo atthis	Common Kingfisher	present all year										1 ⁽³⁾			1			2
Halcyon smyrnensis	White-throated Kingfisher	present all year	(LC)									1						1
Hirundo rustica	Barn Swallow	abundant passage migrant especially in spring, common breeding species and uncommon winter visitor					1							7				8



			Protection status/							Habita	t							
Scientific Name	Common Name	Status in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	WAA	ActAg	DV	G	HG	OF	0	PL	Р	s	V	R	W	AF	Total
Motacilla cinerea	Grey Wagtail	common winter visitor and passage migrant				1												1
Motacilla alba	White Wagtail	present all year, most common in winter and spring			3	1						1		4	3			12
Anthus hodgsoni	Olive-backed Pipit	common winter visitor and passage migrant											3					3
Pycnonotus jocosus	Red-whiskered Bulbul	abundant resident			5 ⁽³⁾	20	13		3		14	1	1	31	6	5		99
Pycnonotus sinensis	Chinese Bulbul	abundant and widespread resident, with migrants and winter visitor			1 ⁽³⁾	1	4		2		11		11	13		8		51
Pycnonotus aurigaster	Sooty-headed Bulbul	common resident						1										1
Lanius schach	Long-tailed Shrike	common resident			1 ⁽³⁾											1		2
Copsychus saularis	Oriental Magpie Robin	abundant resident				3	1	2			2		1	3		1		13
Phoenicurus auroreus	Daurian Redstart	common winter visitor						1		1								2
Saxicola stejnegeri	Stejneger's Stonechat	common passage migrant and winter visitor			1							1						2
Turdus hortulorum	Grey-backed Thrush	very common winter visitor and migrant			1 ⁽³⁾													1
Garrulax perspicillatus	Masked Laughingthrush	very common resident				1		3		3	5	2	4	10		2		30
Prinia flaviventris	Yellow-bellied Prinia	very common resident			1		1	4						1				7
Prinia inornata	Plain Prinia	locally common resident						1										1
Orthotomus sutorius	Common Tailorbird	widespread and common resident								1			1	1		1		4
Phylloscopus fuscatus	Dusky Warbler	very common winter visitor and migrant					1											1



			Protection status/							Habita	t							
Scientific Name	Common Name	Status in Hong Kong ⁽¹⁾	Level of Concern ⁽²⁾	WAA	ActAg	DV	G	HG	OF	0	PL	Р	s	٧	R	W	AF	Total
Phylloscopus inornatus	Yellow-browed Warbler	very common and widespread winter visitor and migrant									1					1		2
Parus cinereus	Cinereous Tit	common resident		1								1	2	2		1		7
Zosterops japonicus	Japanese White- eye	abundant and widespread resident				2	1					1	1	22				27
Lonchura punctulata	Scaly-breasted Munia	common resident					5											5
Passer montanus	Eurasian Tree Sparrow	very common resident			2	6								11				19
Gracupica nigricollis	Black-collared Starling	common resident		1	2			1		1	1		1	2	2			11
Acridotheres cristatellus	Crested Myna	very common resident				1												1
Dicrurus macrocercus	Black Drongo	common passage migrant, locally-common breeder and winter visitor									1							1
Dicrurus hottentottus	Hair-crested Drongo	locally-common resident											1					1
Pica pica	Eurasian Magpie	common resident					1									2		3
Corvus macrorhynchos	Large-billed Crow	common resident						1					3	1				5
		Total number of speci	es recorded:	5	10	11	12	11	3	7	14	12	17	16	7	12	1	45
		Total Number of individua	als recorded:	5	20	44	36	22	8	11	50	15	49	121	15	31	2	429

Notes for Tables A8-1 and A8-2:

- (1) Nomenclature follows HKBWS (2013); Status in Hong Kong follows Allcock et al. (2012).
- (2) All wild birds are protected under the Wild Animals Protection Ordinance (Cap.170).

Abbreviations for Protection Status/ Level of Concern:

Cap. 586 – Listed in Protection of Endangered Species of Animals and Plants Ordinance;

CPS – Listed in "National Key Protected Species" in mainland China; 1 = Grade 1; 2 = Grade 2;

CRDB – China Red Data Book: E = Endangered, V = Vulnerable, R = Rare, I = Indeterminate (Zheng & Wang 1998);

Level of Concern – LC = Local Concern, RC = Regional Concern, PRC = Potential Regional Concern, PGC = Potential Global Concern, GC = Global 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. (Fellowes et al. 2002)

(3) An individual of carcass was recorded.



Table A8-3 Mammals recorded within the Assessment Area

					Habitat	
Scientific Name	Common Name	Protection status/ Listing ⁽¹⁾	Status ⁽²⁾	Developed Area	Active Agricultural Area	Total
Cynopterus sphinx	Short-nosed Fruit Bat	Cap. 170, CRDB (I)	Very Common	5	2 (carcasses)	7
	Unidentified Pipistrelle	Cap. 170 ⁽³⁾			17 (carcasses)	17
	·	Total number of	species recorded:	1	2	2
		Total Number of inc	lividuals recorded:	5	19	24

Notes:

- (1) Abbreviations for Protection Status/ Listing: Cap. 170 Listed in Wild Animals Protection Ordinance;

 CRDB China Red Data Book of Endangered Animals: Mammalia (Wang, 1998); Letters in parentheses: E = Endangered, V = Vulnerable, R = Rare, I = Indeterminate
- (2) Shek and Chan (2006).
- (3) All bats found in Hong Kong are protected under the Wild Animals Protection Ordinance (Cap.170).

Table A8-4 Herpetofauna recorded within the Assessment Area

						Hal	oitat				
Scientific Name	Common Name	Commonness	ActAg	DV	G	PL	Р	s	V	R	Total
Bufo melanostictus	Asian Common Toad	Abundant ⁽²⁾		7				2	1		10
Calotes versicolor	Changeable Lizard	Common ⁽¹⁾			2						2
Eumeces chinensis chinensis	Chinese Skink	Common ⁽³⁾			1						1
Fejervarya limnocharis	Paddy Frog	Very Common ⁽²⁾	2	3	8			5			18
Kalophrynus interlineatus	Spotted Narrow-mouthed Frog	Common ⁽²⁾		1							1
Kaloula pulchra pulchra	Asiatic Painted Frog	Common ⁽²⁾	1	5	1			3			10
Mabuya longicaudata	Long-tailed Skink	Common ⁽³⁾			1	1			1		3
Pareas margaritophorus	White-spotted Slug Snake	Fairly Common ⁽¹⁾		1							1
Polypedates megacephalus	Brown Tree Frog	Very Common ⁽²⁾	1	4	1	3					9
Rana guentheri	Gunther's Frog	Very Common ⁽²⁾	2		7		6	1		3	19
	Total number	of species recorded:	4	6	7	2	1	4	2	1	10
	Total Number of in	ndividuals recorded:	6	21	21	4	6	11	2	3	74

Notes: (1) Karsen et. al, 1998.

- (2) Chan et al., 2005.
- (3) Hong Kong Biodiversity No. 17 (Chan et al., 2009).



Table A8-5 Butterflies recorded within the Project Area

Table A6-5 Butternies recorded with			Hab	itat	
Scientific Name	Common Name	Local Restrictedness ⁽¹⁾	Developed Area	Plantation	Total
Abisara echerius echerius	Plum Judy	Very Common		3	3
Ariadne ariadne alterna	Angled Castor	Common		1	1
Athyma selenophora leucophryne	Staff Sergeant	Common	1		1
Borbo cinnara	Formosan Swift	Common		1	1
Catopsilia pomona pomona	Lemon Emigrant	Common	1		1
Elymnias hypermnestra hainana	Common Palmfly	Common		1	1
Euploea midamus midamus	Blue-spotted Crow	Very Common		1	1
Eurema hecabe hecabe	Common Grass Yellow	Very Common		1	1
Hebomoia glaucippe glaucippe	Great Orange Tip	Common		1	1
Hypolimnas bolina kezia	Great Egg-fly	Common		2	2
Papilio helenus helenus	Red Helen	Very Common	1	3	4
Papilio memnon agenor	Great Mormon	Very Common		1	1
Papilio paris paris	Paris Peacock	Very Common		6	6
Papilio polytes polytes	Common Mormon	Very Common	1	3	4
Pieris canidia canidia	Indian Cabbage White	Very Common	5	6	11
Ypthima baldus baldus	Common Five-ring	Very Common		1	1
	Total numb	er of species recorded:	5	14	16
	Total Number of	of individuals recorded:	9	31	40

Table A8-6 Butterflies recorded within the Assessment Area

		Local						Ha	abitat							
Scientific Name	Common Name	Restrictedness ⁽¹⁾	WAA	ActAg	DV	G	HG	OF	0	PL	Р	S	V	R	W	Total
Abisara echerius echerius	Plum Judy	Very Common												2		2
Ariadne ariadne alterna	Angled Castor	Common		1												1
Athyma nefte seitzi	Colour Sergeant	Common								1						1



		Local						Ha	abitat							
Scientific Name	Common Name	Restrictedness ⁽¹⁾	WAA	ActAg	DV	G	HG	OF	0	PL	Р	s	V	R	W	Total
Catopsilia pomona pomona	Lemon Emigrant	Common			1		4		1	3					1	10
Cupha erymanthis erymanthis	Rustic	Very Common				1										1
Delias pasithoe pasithoe	Red-base Jezebel	Very Common				1	2			4			2			9
Erionota torus	Banana Skipper	Uncommon							4							4
Euploea core amymone	Common Indian Crow	Common													1	1
Eurema hecabe hecabe	Common Grass Yellow	Very Common		1			2									3
Faunis eumeus eumeus	Large Faun	Common												1	1	2
Graphium agamemnon agamemnon	Tailed Jay	Common			1											1
Hebomoia glaucippe glaucippe	Great Orange Tip	Common		2		2										4
Heliophorus epicles phoenicoparyphus	Purple Sapphire	Common						2		1						3
Hestina assimilis assimilis	Red Ring Skirt	Common								1			1			2
Hypolimnas bolina kezia	Great Egg-fly	Common								1	1					2
Junonia almana almana	Peacock Pansy	Common					1									1
Mycalesis mineus mineus	Dark-brand Bush Brown	Very Common	1					1	1						1	4
Neptis hylas hylas	Common Sailer	Very Common					2		2							4
Papilio helenus helenus	Red Helen	Very Common					1	1			1		2		5	10
Papilio memnon agenor	Great Mormon	Very Common			2				2	3	1	1	2	1	1	13
Papilio paris paris	Paris Peacock	Very Common	2		1	1	2		1	2	1			1	3	14
Papilio polytes polytes	Common Mormon	Very Common	4			1	3		4	1	1		6		4	24
Papilio protenor protenor	Spangle	Very Common				1				1						2
Parantica aglea melanoides	Glassy Tiger	Common											1			1
Parnara guttata	Common Straight Swift	Common										1				1
Pieris canidia canidia	Indian Cabbage White	Very Common	16	21	20	20	5	44		5	18	1	40	5	17	212
Ypthima baldus baldus	Common Five-ring	Very Common	2				1			1		3			11	18
Zizeeria maha serica	Pale Grass Blue	Very Common										1				1
	Total number o	f species recorded:	5	4	5	7	10	4	7	12	6	5	7	5	10	28
	Total Number of in	dividuals recorded:	25	25	25	27	23	48	15	24	23	7	54	10	45	351

Notes for Tables A8-5 and A8-6:



(1) Local Restrictedness follows AFCD (2011).

Table A8-7 Dragonfly recorded within the Project Area

			Hal	oitat	
Scientific Name	Common Name	Commonness ⁽¹⁾	Developed area	Plantation	Total
Pantala flavescens	Wandering Glider	Abundant	1	10	11
	Total number of	f species recorded:	1	1	1
	Total Number of in	dividuals recorded:	1	10	11

Table A8-8 Dragonflies recorded within the Assessment Area

						Habita	t			
Scientific Name	Common Name	Commonness ⁽¹⁾	DV	G	0	PL	Р	s	R	Total
Copera marginipes	Yellow Featherlegs	Abundant	1	1			1		6	9
Crocothemis servilia servilia	Crimson Darter	Abundant					2			2
Orthetrum luzonicum	Marsh Skimmer	Abundant		1					1	2
Pantala flavescens	Wandering Glider	Abundant		2	15		5			22
Prodasineura autumnalis	Black Threadtail	Abundant							2	2
Pseudothemis zonata	Pied Skimmer	Common		1			10		2	13
Rhyothemis variegata arria	Variegated Flutterer	Common		1		1		4		6
	Total number	of species recorded:	1	5	1	1	4	1	4	7
	Total Number of i	ndividuals recorded:	1	6	15	1	18	4	11	56

Notes for Tables A8-7 and A8-8:

(1) Tam et al. (2011).

Abbreviations for Habitat Types in Tables A8-1 to A8-8:

 $OF = Open \ Field; \qquad \qquad O = Orchard; \qquad \qquad PL = Plantation; \qquad \qquad P = Pond; \qquad \qquad R = Watercourse;$

S = Shrubland; V = Village; W= Woodland; AF = At Flight

Note: No records from habitat types not listed.



Table A8-9 Aquatic fauna recorded within the Assessment Area

Scientific Name	Common Name	Commoness	Protection Status/	Sampling Location				
			Listing ⁽¹⁾	P1	P 3	P4	W1	W2
Freshwater Fish								
Channa maculata	Spotted Snakehead	Uncommon in wild, cultivated					+	
Cyprinus carpio	Common Carp	Not common in streams, occurs in reservoirs and cultivated in fish ponds	IUCN (VU)			++	+	
Gambusia affinis	Mosquito Fish	Common					+++	++
Glossogobius giuris	Fork Tongue Goby	Common					+	
Nicholsicypris normalis	Nichols' minnow	Common					+	
Oreochromis niloticus	Nile Tilapia	Common				++	++++	+
Puntius semifasciolatus	Chinese Barb	Common					++	
Rhinogobius duospilus		Common					+	+
Freshwater Invertebrates								
Metrocoris sp.					+		+++	++++
Hydropsychidae								+
Helicopsychidae								++
Oligochaete							++++	++++
Pomacea canaliculata	Apple Snail	Common		+	+		+	+
Sinotaia quadrata					+++			++++
Melanoides tuberculata							+	++++
Andonata woodiana							++	
Macrobrachium hainanense							++	+
Caridina cantonensis		Common						+
Total number of species recorded:				1	3	2	14	12

Note: "+" denotes the Relative Abundance;

^{+ = 1-10} individuals

^{++ = 10-20} individuals

^{+++ = 20-30} individuals

^{++++ = &}gt;30 individuals

⁽¹⁾ Abbreviations for Protection Status/ Listing: IUCN – IUCN Red List of Threatened Species (Version 2012.1); VU = Vulnerable