

Appendix 10.3 Fauna recorded during the course of field surveys

A10.3.1 Avifauna Species recorded during Transect Survey

Table 1 Avifauna species recorded within the Study Area (including the Project Area)

Common Name	Scientific Name	Status in Hong Kong ⁽¹⁾	Protection status/ Level of Concern ⁽²⁾	Habitat										Total	
				SL	TS	WL	PL	ST	DA	RS	PD	AS			
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	common to abundant resident and winter visitor	(LC)	2			20								22
Grey Heron	<i>Ardea cinerea</i>	abundant winter visitor to Deep Bay; scarce in summer	PRC								1				1
Little Egret	<i>Egretta garzetta</i>	abundant and present all year, most birds probably resident but some evidence of spring and autumn passage	PRC(RC)				6		1	1			1		9
Pacific Reef Heron	<i>Egretta sacra</i>	locally uncommon resident	(LC)										1		1
Black Kite	<i>Milvus migrans</i>	present all year and widespread, though mainly a winter visitor between October and March	(RC)	40	14	17	12		8						91
Crested Goshawk	<i>Accipiter trivirgatus</i>	uncommon resident	CPS (2)	1			1								2
Common Kestrel	<i>Falco tinnunculus</i>	common autumn migrant and less common winter visitor				1									1
Peregrine Falcon	<i>Falco peregrinus</i>	scarce resident and winter visitor	(LC)							1					1
White-breasted Waterhen	<i>Amauromis phoenicurus</i>	common resident						1	1						2
Pintail/ Swinhoe's Snipe	<i>Gallinago stenura/megala</i>	common passage migrant, highest numbers during autumn, and uncommon winter visitor				1									1

Common Name	Scientific Name	Status in Hong Kong ⁽¹⁾	Protection status/ Level of Concern ⁽²⁾	Habitat									Total
				SL	TS	WL	PL	ST	DA	RS	PD	AS	
Common Sandpiper	<i>Actitis hypoleucos</i>	common passage migrant and winter visitor, scarce in summer						1				1	2
Spotted Dove	<i>Spilopelia chinensis</i>	abundant resident		11	6		15		12				44
Greater Coucal	<i>Centropus sinensis</i>	common resident	CRDB (V), CPS (2)	1	1		3						5
Asian Koel	<i>Eudynamys scolopaceus</i>	present all year, abundant in summer, scarce in winter					3						3
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	resident, locally common in autumn and winter	(LC)	1		1	1				1		4
Common Kingfisher	<i>Alcedo atthis</i>	common and widespread passage migrant and winter visitor, uncommon in summer									1		1
Black Drongo	<i>Dicrurus macrocercus</i>	common summer visitor, large numbers on passage, and regular in winter in small numbers		1	1								2
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	common breeding species and passage migrant, small numbers regular in winter		1									1
Azure-winged Magpie	<i>Cyanopica cyanus</i>	local breeding resident					2						2
Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	common resident, especially on Hong Kong Island and Lantau		1	1		1						3
Eurasian Magpie	<i>Pica pica</i>	common and widespread breeding resident					3		3				6
Collared Crow	<i>Corvus torquatus</i>	uncommon and localised resident, most frequent in the Deep Bay area	LC							2			2
Large-billed Crow	<i>Corvus macrorhynchos</i>	common and widespread breeding resident		1		3	10		2				16
Cinereous Tit	<i>Parus cinereous</i>	abundant and widespread breeding resident		9	1		4						14
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	abundant resident		34	6	1	32		10				49

Common Name	Scientific Name	Status in Hong Kong ⁽¹⁾	Protection status/ Level of Concern ⁽²⁾	Habitat									Total	
				SL	TS	WL	PL	ST	DA	RS	PD	AS		
Chinese Bulbul	<i>Pycnonotus sinensis</i>	abundant resident with increased numbers in winter		33	15	4	22		13					87
Barn Swallow	<i>Hirundo rustica</i>	abundant passage migrant, especially in spring, common summer visitor and uncommon winter visitor		2		11	1							14
Japanese/Manchurian Bush Warbler	<i>Horornis diphone/borealis</i>	uncommon to common winter visitor and passage migrant			1									1
Dusky Warbler	<i>Phylloscopus fuscatus</i>	common autumn migrant and winter visitor to the Deep Bay area, rare elsewhere		2					1					3
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	uncommon to common winter visitor, with some evidence of passage					1							1
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	common winter visitor and spring migrant		6	1		4		2					13
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	widespread and abundant resident		11	1	1	2							15
Common Tailorbird	<i>Orthotomus sutorius</i>	abundant and widespread resident		17	11	1	20		1					50
Streak-breasted Scimitar Babbler	<i>Pomatorhinus ruficollis</i>	uncommon and localised resident population of captive origin				1								1
Chinese Hwamei	<i>Garrulax canorus</i>	common and widespread breeding resident		9										9
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	abundant resident		13	8	4	4		2		1			32
Black-throated Laughingthrush	<i>Garrulax chinensis</i>	common resident population of captive origin		2	1	1								4
Japanese White-eye	<i>Zosterops japonicus</i>	abundant breeding resident with increased numbers present in winter		27	32		46		10					115
Crested Myna	<i>Acridotheres cristatellus</i>	abundant breeding resident		25	7	1	3		17					53
Black-collared Starling	<i>Gracupica nigricollis</i>	abundant resident					15		2					17

Common Name	Scientific Name	Status in Hong Kong ⁽¹⁾	Protection status/ Level of Concern ⁽²⁾	Habitat									Total	
				SL	TS	WL	PL	ST	DA	RS	PD	AS		
Blue Whistling Thrush	<i>Myophonus caeruleus</i>	widespread and locally common resident		2		2	6		3					13
Grey-backed Thrush	<i>Turdus hortulorum</i>	common to abundant winter visitor					1							1
Oriental Magpie Robin	<i>Copsychus saularis</i>	abundant resident		10	5	1	23		5					44
Daurian Redstart	<i>Phoenicurus aureus</i>	common winter visitor		4			2							6
Plumbeous Water Redstart	<i>Rhyacornis fuliginosa</i>	scarce winter visitor	LC									1		1
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	common resident with some dispersal in winter		1			1							2
Eurasian Tree Sparrow	<i>Passer montanus</i>	abundant breeding resident, commensal with man			2		14		102					118
Scaly-breasted Munia	<i>Lonchura punctulata</i>	locally common resident		2										2
Grey Wagtail	<i>Motacilla cinerea</i>	common winter visitor and passage migrant, possibly with occasional breeding			1							1		2
White Wagtail	<i>Motacilla alba</i>	common passage migrant and winter visitor		1					3				1	5
Olive-backed Pipit	<i>Anthus hodgsoni</i>	common winter visitor and passage migrant				3								3
Black-faced Bunting	<i>Emberiza spodocephala</i>	common winter visitor and very common passage migrant, especially in spring		2		1								3
Total number of avifauna species recorded:				30	19	18	30	2	19	4	5	4	4	52
Total number of individuals recorded:				272	115	55	278	2	198	5	5	4	4	900

Table 2 Avifauna species recorded within the Project Area

Common Name	Scientific Name	Status in Hong Kong ⁽¹⁾	Protection status/ Level of Concern ⁽²⁾	Habitat								Total	
				SL	TS	WL	PL	ST	PD	DA	AS		
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	common to abundant resident and winter visitor	(LC)				20						20
Little Egret	<i>Egretta garzetta</i>	abundant and present all year, most birds probably resident but some evidence of spring and autumn passage	PRC(RC)				6				1	1	8
Pacific Reef Heron	<i>Egretta sacra</i>	locally uncommon resident	(LC)									1	1
Black Kite	<i>Milvus migrans</i>	present all year and widespread, though mainly a winter visitor between October and March	(RC)	2	3	2	4						11
Crested Goshawk	<i>Accipiter trivirgatus</i>	uncommon resident	CPS (2)				1						1
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	common resident									1		1
Common Sandpiper	<i>Actitis hypoleucos</i>	common passage migrant and winter visitor, scarce in summer						1				1	2
Spotted Dove	<i>Spilopelia chinensis</i>	abundant resident			3		15				11		29
Greater Coucal	<i>Centropus sinensis</i>	common resident	CRDB (V), CPS (2)				3						3
Asian Koel	<i>Eudynamis scolopaceus</i>	present all year, abundant in summer, scarce in winter					2						2
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	resident, locally common in autumn and winter	(LC)				1			1			2
Common Kingfisher	<i>Alcedo atthis</i>	common and widespread passage migrant and winter visitor, uncommon in summer								1			1
Azure-winged Magpie	<i>Cyanopica cyanus</i>	local breeding resident					2						2
Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>	common resident, especially on Hong Kong Island and Lantau		1	1		1						3
Eurasian Magpie	<i>Pica pica</i>	common and widespread breeding resident					3						3
Large-billed Crow	<i>Corvus macrorhynchos</i>	common and widespread breeding resident		1			8						9

Common Name	Scientific Name	Status in Hong Kong ⁽¹⁾	Protection status/ Level of Concern ⁽²⁾	Habitat								Total	
				SL	TS	WL	PL	ST	PD	DA	AS		
Cinereous Tit	<i>Parus cinereous</i>	abundant and widespread breeding resident			1		1						2
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	abundant resident			1		27				6		34
Chinese Bulbul	<i>Pycnonotus sinensis</i>	abundant resident with increased numbers in winter		2	2	2	17				1		24
Barn Swallow	<i>Hirundo rustica</i>	abundant passage migrant, especially in spring, common summer visitor and uncommon winter visitor					1						1
Japanese/Manchurian Bush Warbler	<i>Horornis diphone/borealis</i>	uncommon to common winter visitor and passage migrant			1								1
Dusky Warbler	<i>Phylloscopus fuscatus</i>	common autumn migrant and winter visitor to the Deep Bay area, rare elsewhere		2							1		3
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	uncommon to common winter visitor, with some evidence of passage					1						1
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	common winter visitor and spring migrant			1		3				1		5
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	widespread and abundant resident			1								1
Common Tailorbird	<i>Orthotomus sutorius</i>	abundant and widespread resident					14				1		15
Chinese Hwamei	<i>Garrulax canorus</i>	common and widespread breeding resident		1									1
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	abundant resident			2	1				1	2		6
Black-throated Laughingthrush	<i>Garrulax chinensis</i>	common resident population of captive origin				1							1
Japanese White-eye	<i>Zosterops japonicus</i>	abundant breeding resident with increased numbers present in winter		1	12		26				8		47
Crested Myna	<i>Acridotheres cristatellus</i>	abundant breeding resident					3				2		5
Black-collared Starling	<i>Gracupica nigricollis</i>	abundant resident					14				2		16
Blue Whistling Thrush	<i>Myophonus caeruleus</i>	widespread and locally common resident					6				1		7

Common Name	Scientific Name	Status in Hong Kong ⁽¹⁾	Protection status/ Level of Concern ⁽²⁾	Habitat								Total	
				SL	TS	WL	PL	ST	PD	DA	AS		
Grey-backed Thrush	<i>Turdus hortulorum</i>	common to abundant winter visitor					1						1
Oriental Magpie Robin	<i>Copsychus saularis</i>	abundant resident			3	1	19				5		28
Daurian Redstart	<i>Phoenicurus aureoreus</i>	common winter visitor					2						2
Plumbeous Water Redstart	<i>Rhyacornis fuliginosa</i>	scarce winter visitor	LC							1			1
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	common resident with some dispersal in winter					1						1
Eurasian Tree Sparrow	<i>Passer montanus</i>	abundant breeding resident, commensal with man					9				44		53
Grey Wagtail	<i>Motacilla cinerea</i>	common winter visitor and passage migrant, possibly with occasional breeding			1					1			2
White Wagtail	<i>Motacilla alba</i>	common passage migrant and winter visitor										1	1
Total number of avifauna species recorded:				7	13	5	28	1	5	15	4	41	
Total number of individuals recorded:				10	32	7	211	1	5	87	4	357	

Notes for Table 1 and Table 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)

Abbreviations for Habitat Types:

SL: Shrubland; TS: Tall shrubland; WL: Woodland; PL: Plantation; ST: Stream; DA: Developed area; RS: Rocky shore; PD: Pond; AS: Artificial shore

A10.3.2 Enhanced Night Roost Survey

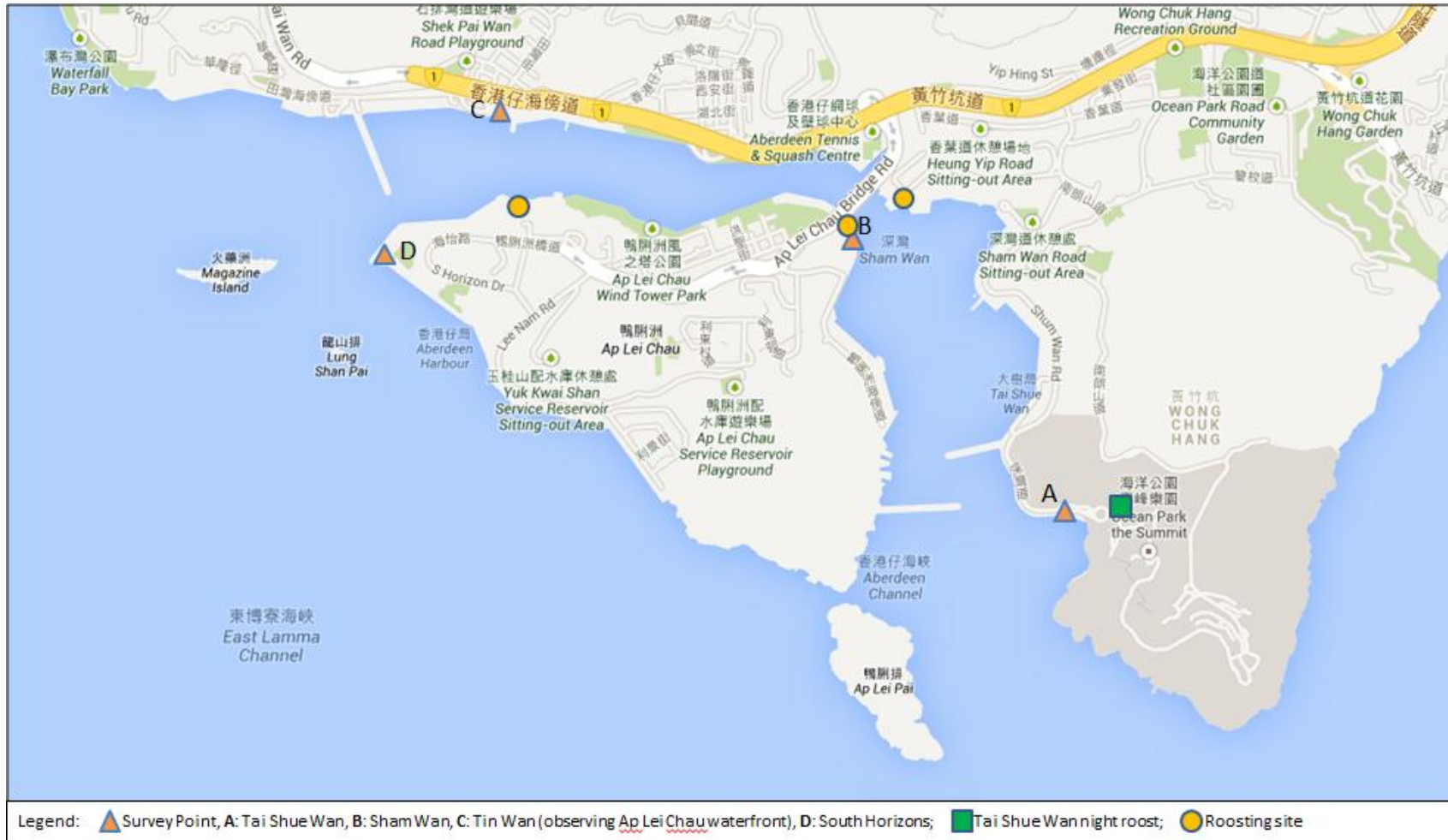
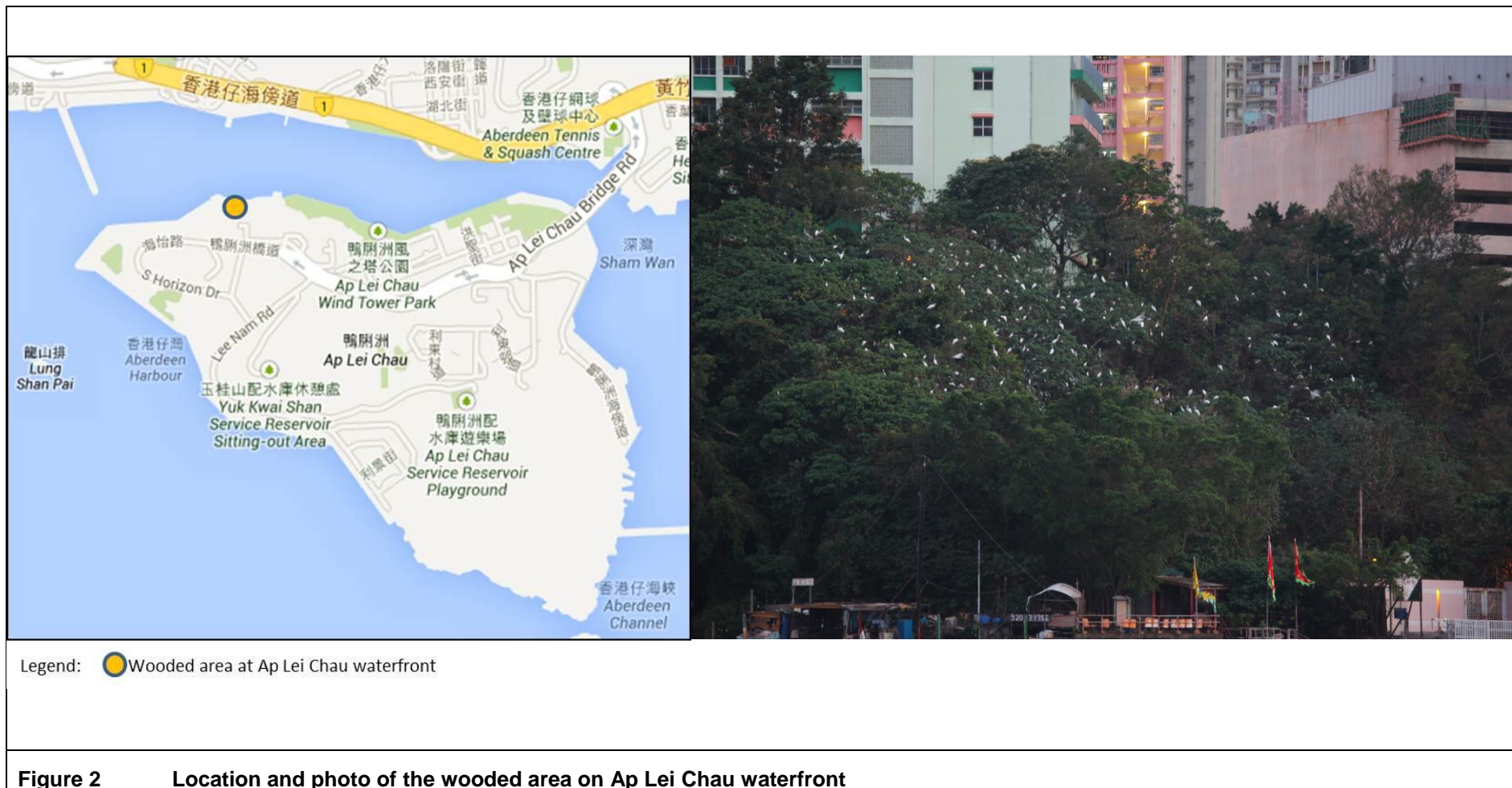


Figure 1 Survey locations along Aberdeen Channel



A10.3.3 Mammal Species recorded during Transect Survey

Table 3 Mammal species recorded within the Study Area (including the Project Area)

Common Name	Scientific Name	Protection status/ Listing ⁽¹⁾	Status ⁽²⁾	Habitat				Total
				SL	TS	PL	DA	
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	Cap. 170 ⁽³⁾ , CRDB (I)	Very Common	2	1			3
Pallas's Squirrel	<i>Callosciurus erythraeus</i>	--	Common	2	1	2		5
Domestic Cat	<i>Felis catus</i>	--	Common				1	1
Wild Boar	<i>Sus scrofa</i>	--	Very Common	3		7	1	11
Total number of mammal species recorded:				3	2	2	2	4
Total number of individuals recorded:				7	2	9	2	20

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).

A10.3.4 Herpetofauna Species recorded during Transect Survey

Table 4 Herpetofauna species recorded within the Study Area (including the Project Area)

Common Name	Scientific Name	Commonness	SL	TS	Habitat			Total
					PL	PD	DA	
Amphibians								
Asian Common Toad	<i>Bufo melanostictus</i>	Abundant ⁽²⁾	1		1		23	25
Paddy Frog	<i>Fejervarya limnocharis</i>	Very Common ⁽²⁾					2	2
Ornate Pigmy Frog	<i>Microhyla ornata</i>	Common ⁽²⁾					1	1
Asiatic Painted Frog	<i>Kaloula pulchra</i>	Common ⁽²⁾	2				13	15
Brown Tree Frog	<i>Polypedates megacephalus</i>	Very Common ⁽²⁾					4	4
Gunther's Frog	<i>Rana guentheri</i>	Very Common ⁽²⁾				10	4	14
Total number of amphibian species recorded:			2	0	1	1	6	6
Total number of individuals recorded:			3	0	1	10	47	61
Reptiles								
Changeable Lizard	<i>Calotes versicolor</i>	Common ⁽¹⁾	1	1				2
Long-tailed Skink	<i>Eutropis longicaudata</i>	Common ⁽³⁾	1				1	2
Chinese Gecko	<i>Gekko chinensis</i>	Very Common ⁽¹⁾	1				6	7
Bowring's Gecko	<i>Hemidactylus bowringii</i>	Very Common ⁽¹⁾					2	2
Red-eared Slider	<i>Trachemys scripta elegans</i>	Introduced ⁽¹⁾					1	1
Total number of reptile species recorded:			3	1	0	0	4	5
Total number of individuals recorded:			3	1	0	0	10	14

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

(2) Chan et al., 2005.

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

A10.3.5 Butterfly and Dragonfly Species recorded during Transect Survey

Table 5 Butterfly species recorded within the Study Area

Common Name	Scientific Name	Local Restrictedness ⁽¹⁾	Level of Concern	Habitat					Total
				SL	TS	WL	PL	DA	
Common Mime	<i>Chilasa clytia clytia</i>	C		4	2				6
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	C		1					1
Glassy Bluebottle	<i>Graphium cloanthus clymenus</i>	UC	LC	1					1
Common Jay	<i>Graphium doson axion</i>	C		1					1
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	VC		4					4
Common Rose	<i>Pachliopta aristolochiae goniopeltis</i>	R				1			1
Chinese Peacock	<i>Papilio bianor bianor</i>	C						1	1
Lime Butterfly	<i>Papilio demoleus demoleus</i>	C		5		2			7
Red Helen	<i>Papilio helenus helenus</i>	VC		12			3	2	17
Great Mormon	<i>Papilio memnon agenor</i>	VC		1	2		2	2	7
Paris Peacock	<i>Papilio paris paris</i>	VC		13	1	1		2	17
Common Mormon	<i>Papilio polytes polytes</i>	VC		12	5	3	4	2	26
Spangle	<i>Papilio protenor protenor</i>	VC		11	2		3	1	17
Five-bar Swordtail	<i>Pathysa antiphates antiphates</i>	C						1	1
Common Birdwing	<i>Troides helena spilotia</i>	UC					1		1
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	C		18	18	35	52	3	126
Mottled Emigrant	<i>Catopsilia pyranthe pyranthe</i>	VC		1	1				2
Red-breast Jezebel	<i>Delias acalis acalis</i>	R	LC		1		1		2
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	C		1	3	1	2		7
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	VC		23	3	6	6		38
Great Orange Tip	<i>Hebomoia glaucippe glaucippe</i>	C		1	2				3
Indian Cabbage White	<i>Pieris canidia canidia</i>	VC		3	3		1	5	12
Blue-spotted Crow	<i>Euploea midamus midamus</i>	VC		1					1
Ceylon Blue Glassy Tiger	<i>Ideopsis similis similis</i>	VC		4	2	1		1	8
Blue Tiger	<i>Tirumala limniace limniace</i>	C		1			1		2
Large Faun	<i>Faunis eumeus eumeus</i>	C		5				1	6
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	C					1		1

Common Name	Scientific Name	Local Restrictedness ⁽¹⁾	Level of Concern	Habitat					Total
				SL	TS	WL	PL	DA	
Common Evening Brown	<i>Melanitis leda leda</i>	C		2					2
Dark-brand Bush Brown	<i>Mycalesis mineus mineus</i>	VC		2	2	1			5
South China Bush Brown	<i>Mycalesis zonata</i>	C		4					4
Common Five-ring	<i>Ypthima baldus baldus</i>	VC		3					3
Angled Castor	<i>Ariadne ariadne alterna</i>	C			1				1
Colour Sergeant	<i>Athyma nefte seitzi</i>	C		2	1			1	4
Rustic	<i>Cupha erymanthis erymanthis</i>	VC		9	1		2	1	13
Baron	<i>Euthalia aconthea aditha</i>	UC	LC	1					1
White-edged Blue Baron	<i>Euthalia phemius seitzi</i>	C		1					1
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	C		3		1	1	1	6
Common Sailer	<i>Neptis hylas hylas</i>	VC		7	3	1	1		12
Burmese Sailer	<i>Neptis nata</i>	--		1					1
Five-dot Sergeant	<i>Parathyma sulphitia sulphitia</i>	C		1					1
Short-banded Sailer	<i>Phaedyma columella columella</i>	C		1		1			2
Black Prince	<i>Rohana parisatis staurakius</i>	C		1					1
Common Jester	<i>Symbrenthia lilaea lunica</i>	C		1					1
Plum Judy	<i>Abisara echerius echerius</i>	VC		7					7
Common Hedge Blue	<i>Acytolepis puspa gisca</i>	C		4	1		3		8
Powdered Oak Blue	<i>Arhopala bazalus turbata</i>	R		1					1
Green Flash	<i>Artipe eryx eryx</i>	UC		1					1
Tailed Cupid	<i>Everes lacturnus rileyi</i>	C		1					1
Transparent Six-line Blue	<i>Nacaduba kurava euplea</i>	C		1				1	2
Pale Grass Blue	<i>Zizeeria maha serica</i>	VC		13	15		4	23	55
Bush Hopper	<i>Ampittia dioscorides etura</i>	UC				1			1
Forest Hopper	<i>Astictopterus jama chinensis</i>	C		3			1		4
Dark Swift	<i>Caltois cahira</i>	R		1					1
Great Swift	<i>Pelopidas assamensis</i>	R	LC	1					1
Indian Palm Bob	<i>Suastus gremius gremius</i>	UC						1	1
Water Snow Flat	<i>Tagiades litigiosus litigiosus</i>	C		2					2
Greenish Palm Dart	<i>Telicota ancilla horisha</i>	UC		1					1
Total number of butterfly species recorded:				48	20	13	18	17	57

Common Name	Scientific Name	Local Restrictedness ⁽¹⁾	Level of Concern	Habitat					Total
				SL	TS	WL	PL	DA	
Total number of individuals recorded:				198	69	55	89	49	460

Table 6 Butterfly species recorded within the Project Area

Common Name	Scientific Name	Local Restrictedness ⁽¹⁾	Level of Concern	Habitat					Total	
				SL	TS	WL	PL	ST		DA
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	C					3			3
Common Jay	<i>Graphium doson axion</i>	C					1			1
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	VC			1		1			2
Chinese Peacock	<i>Papilio bianor bianor</i>	C					3			3
Lime Butterfly	<i>Papilio demoleus demoleus</i>	C				2				2
Red Helen	<i>Papilio helenus helenus</i>	VC		1			4			5
Great Mormon	<i>Papilio memnon agenor</i>	VC		1			3			4
Paris Peacock	<i>Papilio paris paris</i>	VC				1	1		4	6
Common Mormon	<i>Papilio polytes polytes</i>	VC				1	9			10
Spangle	<i>Papilio protenor protenor</i>	VC		1	1		14			16
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	C		1			6		5	12
Red-breast Jezebel	<i>Delias acalis acalis</i>	R	LC						3	3
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	C		3			4			7
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	VC		1			10			11
Indian Cabbage White	<i>Pieris canidia canidia</i>	VC					10		6	16
Ceylon Blue Glassy Tiger	<i>Ideopsis similis similis</i>	VC					1		1	2
Large Faun	<i>Faunis eumeus eumeus</i>	C			1		7	1		9
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	C			3		4			7
Common Evening Brown	<i>Melanitis leda leda</i>	C					1		1	2
Dark-brand Bush Brown	<i>Mycalesis mineus mineus</i>	VC					4			4
Tawny Rajah	<i>Charaxes bernardus bernardus</i>	C					2		1	3
Rustic	<i>Cupha erymanthis erymanthis</i>	VC			1		2			3
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	C					6		1	7
Chocolate Pansy	<i>Junonia iphita iphita</i>	C					1			1
Common Sailer	<i>Neptis hylas hylas</i>	VC		1			3		3	7

Common Name	Scientific Name	Local Restrictedness ⁽¹⁾	Level of Concern	Habitat						
				SL	TS	WL	PL	ST	DA	Total
Five-dot Sergeant	<i>Parathyma sulphitia sulphitia</i>	C					1			1
Short-banded Sailer	<i>Phaedyma columella columella</i>	C					1			1
Shan Nawab	<i>Polyura nepenthes nepenthes</i>	UC					1			1
Black Prince	<i>Rohana parisatis staurakius</i>	C			1		1			2
Plum Judy	<i>Abisara echerius echerius</i>	VC					1		1	2
Common Hedge Blue	<i>Acytolepis puspa gisca</i>	C					10			10
Silver Streak Blue	<i>Iraota timoleon timoleon</i>	UC			1		1			2
Dark Cerulean	<i>Jamides bochus bochus</i>	C					1		1	2
Transparent Six-line Blue	<i>Nacaduba kurava euplea</i>	C			1		3			4
Slate Flash	<i>Rapala manea schistacea</i>	C					1			1
Pale Grass Blue	<i>Zizeeria maha serica</i>	VC			1		9		4	14
Forest Hopper	<i>Astictopterus jama chinensis</i>	C		2						2
Greenish Palm Dart	<i>Telicota ancilla horisha</i>	UC					1			1
Total number of butterfly species recorded:				8	9	3	35	1	12	38
Total number of individuals recorded:				11	11	4	131	1	31	189

Notes for Table 5 and Table 6:

- (1) Local Restrictedness follows AFCD (2011).
- (2) 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)

Table 7 Dragonfly species recorded within the Study Area (including the Project Area)

Common Name	Scientific Name	Commonness	Level of Concern	SL	TS	Habitat			Total
						WL	PL	DA	
Red-faced Skimmer	<i>Orthetrum chrysis</i>	C	--		1				1
Wandering Glider	<i>Pantala flavescens</i>	C	--			7	1		1
Common Blue Skimmer	<i>Orthetrum glaucum</i>	A	--	2	6			1	9
Fiery Emperor	<i>Anax immaculifrons</i>	A	--	10	6		8	4	28
Pied Skimmer	<i>Pseudothemis zonata</i>	C	--	2			4		6
Total number of dragonfly species recorded:				3	3	1	3	2	5
Total number of individuals recorded:				13	14	7	13	5	45

Note: (1) Tam et al. (2011).

Abbreviations for Habitat Types in Table 1 to Table 7:

SL = Shrubland; TS = Tall Shrubland; WL = Woodland; PL = Plantation; ST = Stream;
 PD = Pond; GL = Hillside Grassland; DA = Developed Area; AS = Artificial Shore; RS = Rocky Shore

Note: No records from habitat types not listed.

A10.3.6 Fish Species recorded during Aquatic Fish Survey and Sampling

Table 8 Fish species recorded at the ponds within the Project Area

Survey Date	Location	Habitat	Common Name	Scientific Name	Abundance
21/06/2013	Bird Paradise	Artificial pond	Mosquito fish	<i>Gambusia affinis</i>	8 individuals in 6 samplings
			Tilapia	<i>Oreochromis mossambicus</i>	3 individuals in 6 samplings
	Flamingo Pond	Artificial pond	Mosquito fish	<i>Gambusia affinis</i>	1 individual in 2 samplings
			Tilapia	<i>Oreochromis mossambicus</i>	1 individual in 2 samplings
15/08/2013	Bird Paradise	Artificial pond	Mosquito fish	<i>Gambusia affinis</i>	32 individuals in 6 samplings
			Tilapia	<i>Oreochromis mossambicus</i>	2 individuals in 6 samplings