

Appendix G
Ecological Baseline Data

Appendix G - Ecological Baseline Data

Table 1 Bird Recorded in the Vicinity of the Study Area (from Literature Review)

Common Name	Species Name	Commonness	Main Status in HK	National Status/CITES Status/IUCN Status	Protected Status	Sources of Information	Remark																																																																																																																																																																																																																																	
Little Grebe	<i>Tachybaptus ruficollis</i>	U	R, PM	LC		1, 2,5, 7, 8, 11	Bred at Shuen Wan Over 1000 roosting at Plover Cove Reservoir																																																																																																																																																																																																																																	
		U	WV	LC				Great Cormorant	<i>Phalacrocorax carbo</i>					6, 8,10, 11	Up to 392 at Shuen Wan (94)	Great Bitten	<i>Botaurus stellaris</i>	R	WV, PM	LC		4, 5, 7,		Yellow Bittern	<i>Ixobrychus sinensis</i>	U	SV	LC		1, 5, 6,7,	Up to 5 at Shuen Wan	Schrenck's Bittern	<i>Ixobrychus eurhythmus</i>	VR	SV	LC		7,		Chestnut Bittern	<i>Ixobrychus cinnamomeus</i>	R	SV	LC		8		CW	R, PM	LC		Up to 413 at Shuen Wan (94)	Little Egret	<i>Egretta garzetta</i>					1, 3, 5, 6,7, 11	20 pairs bred at Shuen Wan	Intermediate Egret	<i>Egretta intermedia</i>	R	PM	LC		5,6,8, 11	Up to 7 at Shuen Wan (96)	CW	R, PM	LC		1, 3, 4, 5, 6, 7, 10,	Up to 102 at Shuen Wan	Great Egret	<i>Ardea alba</i>					11	20 pairs bred at Shuen Wan (94)	Cattle Egret	<i>Bubulcus ibis</i>	CW	R, PM	LC		1, 3,6, 11	Up to 300 pairs bred at Shuen Wan (91)	Reef Egret	<i>Egretta sacra</i>	U	R	Class II, LC		3	1 at Shuen Wan	Grey Heron	<i>Ardea cinerea</i>	U	WV	LC		1, 4, 5, 6,7,8, 11	Up to 44 at Shuen Wan (96)	CW	R	LC		Up to 25 pairs bred at Shuen Wan (92)	Chinese Pond Heron	<i>Ardeola bacchus</i>					1, 4, 6,7,8, 11	Up to 42 at Shuen Wan (96)	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	U	R, WV	LC		1, 4,5,6,7	Up to 25 pairs bred at Shuen Wan (92)						Straited Heron	<i>Butorides striatus</i>	U	R	LC		1, 6, 7, 11	Up to two at Shurn Wan (94)	Purple Heron	<i>Ardea purpurea</i>	R	PM	LC		3, 5		Common Shelduck	<i>Tadorna tadorna</i>	R	WV	LC		5		Falcated Teal	<i>Anas falcata</i>	R	WV	NT		4	1 at Shuen Wan (92)	Common Teal	<i>Anas crecca</i>	U	WV	LC		4, 5, 6, 7, 11	Up to 80 at Shuen Wan (92)	Spot-billed Duck	<i>Anas poecilohyncha</i>	U	WV	LC		5		Garganey	<i>Anas querquedula</i>	U	WV, PM	LC		5,		Northern Pintail	<i>Anas acuta</i>	U	WV	LC		8	1 at Shuen Wan	Northern Shoveler	<i>Anas clypeata</i>	U	WV	LC		11	2 at Shuen Wan (99)	Greater Scaup	<i>Aythya marila</i>	VR	WV	LC		4	1 at Shuen Wan (92)	Red-breasted Merganser	<i>Mergus serrator</i>	R	WV, PM	LC		6	2 at Shuen Wan (94)	Black Baza	<i>Aviceda leuphotes</i>	R	SV, PM	Class II, LC		1, 4	1 at Tai Mei Tuk (92)	White-bellied Sea Eagle	<i>Haliaeetus leucogaster</i>	U	R
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Crested Serpent Eagle	<i>Spilornis cheela</i>	R	R, PM	Class II, LC	8	7 at Pat Sing Leng
Bonelli's Eagle	<i>Hieraaetus fasciatus</i>	R	R	Class II, LC	1, 4	Bred at Shuen Wan (92)
Osprey	<i>Pandion haliaetus</i>	U	WV	Class II, LC	7, 10, 11	
Crested Goshawk	<i>Accipiter trivirgatus</i>	R	R	Class II, LC	4	1 at Tai Mei Tuk (92)
Chinese Goshawk	<i>Accipiter soloensis</i>	R	PM	Class II, LC	3,8	1 at Shuen Wan
Bersa	<i>Accipiter virgatus</i>	R	R	Class II, LC	7, 10, 11	M & F at Shuen Wan
Grey-faced Buzzard	<i>Butastur indicus</i>	R	PM	Class II, LC	8	1 at Shuen Wan
Eurasian Hobby	<i>Falco subbuteo</i>	R	SV, PM	Class II, LC	8	1 at Shuen Wan
Peregrine Falcon	<i>Falco peregrinus</i>	R	WV	Class II, CITES I, LC	7, 10, 11	
Black Kite	<i>Milvus migrans</i>	CW	R, WV	Class II, LC	1, 5	Up to 37 at Shuen Wan
Common Buzzard	<i>Buteo buteo</i>	U	WV	Class II, LC	5,6, 11	
Japanese Quail	<i>Coturnix japonica</i>	R	WV, PM	LC	5	
Slaty-breasted Rail	<i>Gallirallus striatus</i>	R	R	LC	5	
Slaty-legged Crane	<i>Rallina eurizonoides</i>	VR	SV,WV,PM	LC	6, 8,10, 11	1 at Shuen Wan
Common Moorhen	<i>Gallinula chloropus</i>	U	R	LC	5, 10	Bred at Shuen Wan
Eurasian Coot	<i>Fulica atra</i>	U	WV	LC	2,5,10	Up to 12 at Shuen wan
Black-winged Stilt	<i>Himantopus himantopus</i>	R	WV, PN, R	LC	6, 7	Up to 2 at Shuen Wan
Northern Lapwing	<i>Vanellus vanellus</i>	R	WV	LC	11	2 at Shuen Wan (2000)
Pacific Golden Plover	<i>Pluvialis fulva</i>	R	PM	LC	5,8,10, 11	Up to 3 at Sheun Wan
Eurasian Woodcock	<i>Scolopax rusticola</i>	R	WV	LC	7	
Swinhoe's Snipe	<i>Gallinago megala</i>	R	PM	LC	5	
Red-necked Stint	<i>Calidris ruficollis</i>	U	PM	LC	6, 8,10	Up to 9 at Shuen Wan (98)
Temminck's Stint	<i>Calidris temminckii</i>	U	WV, PM	LC	6	7 at Shuen Wan (94)
Long-toed Stint	<i>Calidris subminuta</i>	R	WV, PM	LC	6	1 at Shuen Wan (94)
Sharp-tailed Sandpiper	<i>Calidris acuminata</i>	R	PM	LC	6	1 at Shuen Wan (94)
Curlew Sandpiper	<i>Calidris ferruginea</i>	U	PM	LC	8	Up to 6 at Shuen Wan (96)
Little-ringed Plover	<i>Charadrius dubius</i>	U	WV, PM, R	LC	5, 6, 7, 11	Up to 33 at Shuen Wan
Kentish Plover	<i>Charadrius alexandrinus</i>	U	WV, PM	LC	8, 11	Up to 22 at Shuen Wan (2000)
Lesser Sand Plover	<i>Charadrius mongolus</i>	R	PM	LC	5	4 at Shuen Wan
Whimbrel	<i>Numenius phaeopus</i>	U	PM	LC	11	1 at Shuen Wan
Common Redshank	<i>Tringa totanus</i>	U	WV, PM	LC	7, 10, 11	
Common Greenshank	<i>Tringa nebularia</i>	U	WV, PM	LC	7, 8,10	Up to 3 at Shuen Wan (96)
Marsh Sandpiper	<i>Tringa stagnatilis</i>	U	PM	LC	7	
Wood Sandpiper	<i>Tringa glareola</i>	U	WV, PM	LC	5, 6, 7	
Common Sandpiper	<i>Actitis hypoleucos</i>	CW	WV, PM	LC	6, 7,8, 11	Up to 10 at Shuen Wan (2000)
Grey-tailed Tattler	<i>Heteroscelus brevipes</i>	R	PM	LC	4, 6, 8, 11	Up to 19 at Shuen Wan (94)

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Black-headed Gull	<i>Larus ridibundus</i>	CW	WV	LC	4, 5, 10, 11	Up to 1200 Shuen Wan (93)
Gull-billed Tern	<i>Gelochelidon nilotica</i>	R	PM	LC	5, 8	1 at Shuen Wan (93) and Tolo Channel (96)
Aleutian Tern	<i>Sterna aleutica</i>	VR	PM	LC	5	
Little Tern	<i>Sterna albifrons</i>	R	PM	LC	5, 11	2 at Shuen Wan (99)
Whiskered Tern	<i>Chlidonias hybrida</i>	R	WV, PM	LC	5, 11	Up to 33 at Shuen Wan (99)
		R	PM	LC	3, 6	Up to 145 at Tolo Channel (91)
White-winged Black Tern	<i>Chlidonias leucopterus</i>					1 at Shuen Wan (94)
	<i>Streptopelia</i>	R	WV, PM	LC	11	
Red Turtle Dove	<i>tranquebarica</i>					
Emerald Dove	<i>Chalcophaps indica</i>	R	R	LC	1, 5	
Lesser Coucal	<i>Centropus bengalensis</i>	U	R	Class II, LC	1, 8	Up to 2 at Shuen Wan (96)
Chestnut-winged Cuckoo	<i>Clamator coromandus</i>	R	SV, PM	LC	1, 3, 4, 10	Heard at Tai Mei Tuk (92)
		CW	SV, PM	LC	1, 5, 8	1 at Tai Mei Tuk (93)
Large Hawk Cuckoo	<i>Hierococcyx sparverioides</i>					Up to 3 at Shuen Wan (96)
Indian Cuckoo	<i>Cuculus micropterus</i>	U	SV	LC	1, 10, 11	
Oriental Cuckoo	<i>Cuculus saturatus</i>	R	PM	LC	8	
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	U		LC	7, 8, 10	1 at Shuen Wan
Common Koel	<i>Eudynamys scolopacea</i>	CW	R	LC	1, 8, 10	
Collared Scops Owl	<i>Otus bakkamoena</i>	U	R	Class II, LC	8, 10	
Asian Barred Owlet	<i>Glaucidium cuculoides</i>	R	R	Class II, LC	7, 8, 10	
Savanna Nightjar	<i>Caprimulgus affinis</i>	R	R	LC	4, 5, 8	
	<i>Hirundapus</i>	VR	PM	LC	4	20 at Shuen Wan (92)
Silver-backed Needletail	<i>cochinchinensis</i>					
House Swift	<i>Apus affinis</i>	CW	R, PM	LC	7, 11	Up to 100 at Shuen Wan (99)
Pacific Swift	<i>Apus pacificus</i>	CW	PM	LC	6	1 at Shuen Wan
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	CW	R	LC	6, 7, 8	Bred at Shuen Wan (95)
Black-capped Kingfisher	<i>Halcyon pileata</i>	U	PM, WV	LC	6, 8, 11	Up to 3 at Shuen Wan (2000)
Common Kingfisher	<i>Alcedo atthis</i>	R	WV, PM, R	LC	8, 10, 11	Up to 3 at Shuen Wan (96)
Pied Kingfisher	<i>Ceryle rudis</i>	U	R	LC	5, 6, 7, 8, 10, 11	
Crested Kingfisher	<i>Ceryle lugubris</i>	VR	R	LC	4, 8, 11	1 at Plover Cove Reservoir (92, 96, 99)
Dollarbird	<i>Eurystomus orientalis</i>	R	PM	LC	6, 8, 11	1 at Shuen Wan
Eurasian Hoopoe	<i>Upupa epops</i>	VR	WV	LC	6	1 at Shuen Wan
Red-rumped Swallow	<i>Hirundo daurica</i>	R	PM	LC	4	
Asian House Martin	<i>Delichon dasypus</i>	R	WV, PM	LC	8	1 at Shuen Wan
Olive-backed Pipit	<i>Anthus hodgsoni</i>	CW	WV, PM	LC	7	Up to 20 at Shuen Wan
Richard's Pipit	<i>Anthus novaeseelandiae</i>	CW	WV, PM, R	LC	5, 6	
Pechora Pipit	<i>Anthus gustavi</i>	VR	PM	LC	5	

Common Name	Species Name	Commonness	Main Status in HK	National Status/CITES Status/IUCN Status	Protected Sources of Information	Remark
Yellow Wagtail	<i>Motacilla flava</i>	U	WV, PM	LC	5,6,7,8, 11	Up to 250 at Shuen Wan (96)
White Wagtail	<i>Motacilla alba</i>	CW	WV, PM	LC	5,6,7,8, 11	Up to 12 at Shuen Wan
Grey Wagtail	<i>Motacilla cinerea</i>	CW	WV, PM	LC	7	
Plumbeous Water Redstart	<i>Rhyacornis fuliginosus</i>	VR	WV	LC	4	A pair at Plover Cove (92)
Brown Shrike	<i>Lanius cristatus</i>	U	PM	LC	2, 6	1 at Tai Mei Tuk (90) and Shuen Wan (94)
Bluethroat	<i>Luscinia svecica</i>	R	WV, PM	LC	6, 10	
Common Black Bird	<i>Turdus merula</i>	U	WV, PM	LC	4, 8,10	Up to 34 at Shuen Wan (98)
Eyebrowed Thrush	<i>Turdus obscurus</i>	R	WV, PM	LC	8	1 at Shuen Wan
Rufous-capped Babbler	<i>Stachyris ruficeps</i>	VR	F	LC	10	
Greater Necklaced Laughing Thrush	<i>Garrulax pectoralis</i>	R	F	LC	11	17 at Tak Mei Tuk (2000)
Brownish-flanked Bush Warbler	<i>Cettia fortipes</i>	R	WV	LC	11	1 at Shuen Wan
Russet Bush Warbler	<i>Bradypterus seebohmi</i>	R	WV,PM	LC	7, 11	Up to 2 at Shuen Wan (2000)
Pallas's Grasshopper Warbler	<i>Locustella certhiola</i>	R	PM	LC	11	
Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	R	WV, PM	LC	11	
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	U	WV,PM	LC	6	15 at Shuen Wan
Zitting Cisticola	<i>Cisticola juncidis</i>	U	WV,PM	LC	11	
Dusky Warbler	<i>Phylloscopus fuscatus</i>	U	WV, PM	LC	10, 11	
Eastern Crowned Warbler	<i>Phylloscopus coronatus</i>	R	PM	LC	5	
Verditer Flycatcher	<i>Eumyias thalassina</i>	R	WV	LC	8	1 at Shuen Wan (96)
Buff-bellied Flowerpecker	<i>Dicaeum ignipectus</i>	R	WV, R	LC	8	2 juveniles at Sheun Wan (96)
Little Bunting	<i>Emberiza pusilla</i>	U	WV,PM	LC	8	
Yellow-breasted Bunting	<i>Emberiza aureola</i>	R	WV,PM	NT	8	
White-rumped Munia	<i>Lonchura striata</i>	CW	R	LC	8	Up to 23 at Shuen Wan
Scaly-breasted Munia	<i>Lonchura punctulata</i>	U	R	LC	7, 8	
Red-billed Starling	<i>Sturnus sericeus</i>	U	WV	LC	3,5,7, 8,10	Up to 250 at Shuen Wan (91)
White-shouldered Starling	<i>Sturnus sinensis</i>	U	WV, PM, R	LC	6	1 at Shuen Wan
Common Myna	<i>Acridotheres tristis</i>	R	F	LC	8	1 at Shuen Wan
Large-billed Crow	<i>Corvus macrorhynchos</i>	CW	R	LC	1, 4, 6	Up to 112 at Shuen Wan (94)
Collared Crow	<i>Corvus torquatus</i>	U	R	LC	1, 4, 5, 6, 7, 8,10, 11	Up to 62 at Shuen Wan

Commonness & Distribution: CW = common and widespread, U = uncommon and localised, R = rare and localized, VR = very rare

Status in Hong Kong: R = Resident, WV = Winter Visitor, SV = Summer Visitor, PM = Passage Migrant, E = Records treated as escaped birds, F = Feral

IUCN Status: LC = Least Concern, NT = Near Threatened

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9. Hong Kong Bird Report 1996
10. Hong Kong Bird Report 1997
11. Hong Kong Bird Report 1998
12. Hong Kong Bird Report 1999-2000.

Table 2 Plant Species Recorded Within the Study Area

Species	Growth Form	Origin	Status	Relative Abundance						
				Secondary Woodland	Shrubland	Mangrove	Stream/ Channel	Village/ Modified Area	Sandy Shore with Backshore Vegetation	Project Site
<i>Acacia auriculiformis</i>	T	E	C	S				O		
<i>Acacia confusa</i>	T	E	VC	O				F		O
<i>Acacia mangium</i>	T	E	VC					F		
<i>Acronychia pedunculata</i>	T	N	VC	F						
<i>Aegiceras corniculatum</i>	S	N	C			A			S	S
<i>Ageratum conyzoides</i>	H	N	VC		F					F
<i>Alangium chinensis</i>	S	N	VC	S	S		S			
<i>Albizia lebbek</i>	T	N	C					F		D
<i>Alchornea trewioides</i>	S	N	VC	F						
<i>Aleurites moluccana</i>	T	N	VC					O		O
<i>Alocasia macrorrhiza</i>	H	N	VC	S			F	F		
<i>Aporosa dioica</i>	S	N	VC	F						
<i>Araucaria heterophylla</i>	T	E	C					F		
<i>Aquilaria sinensis</i>	T	N	C	O						
<i>Avicennia marina</i>	S	N	C			O			S	S
<i>Baeckea frutescens</i>	S	N	VC		F					
<i>Bauhinia blackeana</i>	T	N	VC					F		
<i>Bauhinia galpinii</i>	C	N	C		O					
<i>Bidens bipinnata</i>	H	N	VC		F					
<i>Blechnum orientale</i>	F	N	VC	F						
<i>Breynia fruticosa</i>	S	N	VC	F	F					
<i>Bridelia tomentosa</i>	S	N	VC	O	F			A		
<i>Bruguiera gymnorrhiza</i>	S	N	C			A				
<i>Caesalpinia bonduc</i>	S	E	VC			O				

Species	Growth Form	Origin	Status	Relative Abundance						Project Site
				Secondary Woodland	Shrubland	Mangrove	Stream/ Channel	Village/ Modified Area	Sandy Shore with Backshore Vegetation	
<i>Caesalpinia vernalis</i>	C	N	VC	F						
<i>Calliandra haematocephala</i>	S	E	VC					A		
<i>Canthium dicoccum</i>	S	N	C	S						
<i>Carex chinensis</i>	G	N	C		F					
<i>Cassytha filiformis</i>	C	N	VC	F						
<i>Casuarina equisetifolia</i>	T	E	VC					F		O
<i>Celtis sinensis</i>	T	N	C	A	O			F		F
<i>Cerbera manghas</i>	T	E	C					O		O
<i>Chrysanthemum indicum</i>	S	N	C					O		O
<i>Cinnamomum camphora</i>	T	N	C	O				O		O
<i>Cocculus orbiculatus</i>	C	N	VC	F						
<i>Cratoxylum cochinchinensis</i>	S	N	VC	F						
<i>Daphniphyllum calycinum</i>	T	N	C	F						
<i>Delonix regia</i>	T	E	VC	S				F		
<i>Dicranopteris linearis</i>	F	N	VC	O	O					
<i>Digitaria sanguinalis</i>	G	N	C				O			
<i>Dimocarpus longan</i>	T	N	C					O		
<i>Diospyros morrisiana</i>	T	N	C	S						
<i>Duranta repens</i>	S	E	C					F		
<i>Embelia laeta</i>	C	N	VC	O						
<i>Eurya japonica</i>	S	N	VC	F						
<i>Excoecaria agallocha</i>	S	N	C			A			S	
<i>Ficus microcapus</i>	T	N	VC	F			F			O
<i>Ficus superba</i>	T	N	VC	F						
<i>Ficus hispida</i>	T	N	VC	F			F	F		

Species	Growth Form	Origin	Status	Relative Abundance						Project Site
				Secondary Woodland	Shrubland	Mangrove	Stream/ Channel	Village/ Modified Area	Sandy Shore with Backshore Vegetation	
<i>Ficus pumila</i>	C	N	VC	F						
<i>Ficus variegata</i>	T	N	VC					F		
<i>Ficus variolosa</i>	S	N	VC	A						
<i>Gahnia tristis</i>	Se	N	VC	S						
<i>Garcinia multiflora</i>	T	N	C	O						
<i>Gardenia jasminoides</i>	S	N	VC	S	O					
<i>Glochidion eriocarpum</i>	S	N	C	F						
<i>Glochidion lanceolarium</i>	S	N	VC	O						
<i>Gnetum montanum</i>	C	N	C	O						
<i>Gossampinus malabarica</i>	T	E	VC					F		
<i>Hibiscus rosa-sinensis</i>	H	E	VC					F		
<i>Hibiscus tiliaceus</i>	T	N	VC					F	D	A
<i>Homalium cochinchinensis</i>	S	N	C	O						
<i>Ilex asprella</i>	S	N	VC	F						
<i>Ilex pubescens</i>	S	N	C	F						
<i>Indocalamus sinicus</i>	S	N	VC					O		
<i>Ipomoea cairica</i>	C	N	VC					F		O
<i>Ipomoea hederacea</i>	C	N	VC					O		
<i>Ipomoea pescaprae</i>	C	N	VC			F				
<i>Ischaemum aristatum</i>	G	N	VC		O					
<i>Juniperus chinensis</i>	S	E	VC					F		
<i>Kandelia obovata</i>	S	N	VC			A			S	S
<i>Lagerstroemia speciosa</i>	T	E	VC					O		
<i>Lantana camara</i>	S	E	VC	O	F					O
<i>Launaea sarmentosa</i>	H	N	C						S	

Species	Growth Form	Origin	Status	Relative Abundance						Project Site
				Secondary Woodland	Shrubland	Mangrove	Stream/ Channel	Village/ Modified Area	Sandy Shore with Backshore Vegetation	
<i>Leucaena leucocephala</i>	S	N	VC					A		A
<i>Ligustrum sinensis</i>	S	N	VC	O	O					
<i>Limonium sinense</i>	H	N	C			F			F	
<i>Liquidamber confertus</i>	T	N	VC	S	O					
<i>Liriope spicata</i>	H	N	C	F			A			
<i>Litsea cubeba</i>	T	N	C	O						
<i>Litsea glutinosa</i>	T	N	VC	O						
<i>Litsea rotundifolia</i>	S	N	VC	F	O					
<i>Livistona chinensis</i>	P	N	VC					O		
<i>Lophostemon conferta</i>	T	E	VC					O		O
<i>Lygodium dichotomum</i>	C	N	VC	F						
<i>Macaranga tanarius</i>	T	N	VC	O	F			F		A
<i>Maesa perlarius</i>	S	N	VC	F						
<i>Mallotus paniculatus</i>	T	N	C	F						
<i>Melaleuca leucadendron</i>	T	E	VC					F		F
<i>Melastoma candidum</i>	S	N	VC	F						F
<i>Melia azedarach</i>	T	E	C					O		
<i>Melodinus monogynus</i>	C	N	C	F						
<i>Michelia alba</i>	T	E	C					F		
<i>Microcos paniculata</i>	S	N	C	F	F					
<i>Mikania micrantha</i>	C	E	VC		O			F		F
<i>Millettia reticulata</i>	C	N	VC	F						
<i>Mimosa pudica</i>	S	N	VC		F					
<i>Miscanthus sinensis</i>	G	N	VC		F		O	F		F
<i>Miscanthus floridulus</i>	G	N	VC		F			F		
<i>Mussaenda pubescens</i>	S	N	VC	F						

Species	Growth Form	Origin	Status	Relative Abundance						
				Secondary Woodland	Shrubland	Mangrove	Stream/ Channel	Village/ Modified Area	Sandy Shore with Backshore Vegetation	Project Site
<i>Neyraudia arundinacea</i>	G	N	VC					F		F
<i>Paederia scandens</i>	C	N	C		F		O	F		F
<i>Panicum maximum</i>	G	N	C				O	F		F
<i>Paspalum conjugatum</i>	G	N	C							F
<i>Phyllanthus emblica</i>	T	N	C	O						
<i>Phyllanthus cochinchinensis</i>	S	N	VC	O						
<i>Pinus massoniana</i>	T	N	C	S						
<i>Psychotria rubra</i>	S	N	VC	O						
<i>Psychotria serpens</i>	C	N	VC	F						
<i>Pueraria lobata</i>	C	N	VC		F			A		O
<i>Rapanea neriifolia</i>	S	N	C	S						
<i>Rhododendron simsii</i>	S	N	P	S						
<i>Rhodomyrtus tomentosa</i>	S	N	VC	F						
<i>Rhus succedanea</i>	S	N	VC	F						
<i>Sapium discolor</i>	S	N	C	F	O					
<i>Scaevola sericea</i>	H	N	VC			F				
<i>Schefflera heptaphylla</i>	S	N	VC	F						
<i>Schima superba</i>	T	N	C	S						
<i>Scleria harlandi</i>	Se	N	VC				O			
<i>Sesbania cochinchinensis</i>	S	E	VC		O	O		O		F
<i>Sesuvium portulacastrum</i>	H	E	VC			F			F	
<i>Smilax china</i>	C	N	VC	O						
<i>Sterculia lanceolata</i>	T	N	C				F			
<i>Strophanthus divaricatus</i>	C	N	VC	O						
<i>Syzygium jambos</i>	T	N	VC	S				F		

Species	Growth Form	Origin	Status	Relative Abundance						
				Secondary Woodland	Shrubland	Mangrove	Stream/ Channel	Village/ Modified Area	Sandy Shore with Backshore Vegetation	Project Site
<i>Tetracera asiatica</i>	C	N	VC	F						
<i>Thespesia populnea</i>	T	N	C					F	D	
<i>Uvaria microcarpa</i>	S	N	VC	S						
<i>Vitex rotundifolia</i>	S	N	VC			F				
<i>Wedelia chinensis</i>	C	N	VC					F		O
<i>Zoysia sinica</i>	G	N	VC			O			O	
Total no. of Species				71	26	13	11	46	10	30

Abundance: A=Abundant; D=Dominant; F=Frequent; O=Occasional; S=Scarce

Status: C=Common; VC=Very Common; P=Protected

Plant Form: G=Grass; C= Climber; H=Herb; Se=Sedge, P=Palm; S=Shrub; T=Tree,

Origin: N=Native; E=Exotic

Table 3 Bird Species Recorded within the Study Area

Common Name	Species Name	Commonness	Status in Hong Kong	Habitats Recorded in Dry Season	Habitats Recorded in Wet Season
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	U	WV, PM	Sh	W
Barn Swallow	<i>Hirudo rustica</i>	CW	SV, PM		Sh
Black Kite	<i>Milvus migrans</i>	CW	R, WV	D, Sh	D, PS, S
Black-collared Starling	<i>Sturnus nigricollis</i>	CW	R	Pd, PS, S, Sh	D, Pd, PS, S, Sh
Chestnut Bulbul	<i>Hypsipetes castanonotus</i>	CW	R	W	
Chinese Pond Heron	<i>Ardeola bacchus</i>	CW	R	S	S
Collared Crow	<i>Corvus torquatus</i>	U	R	S	S
Common Black Bird	<i>Turdus merula</i>	CW	WV	Pd, Sh, W	
Common Kingfisher	<i>Alcedo atthis</i>	CW	WV, PM	PS	Sh
Common Magpie	<i>Pica pica</i>	CW	R	D, S	D, S
Common Sandpiper	<i>Actitis hypoleucos</i>	CW	WV, PM	S	PS
Common Tailorbird	<i>Orthotomus sutorius</i>	CW	R	PS, S, Sh, W	S, Sh, W
Crested Goshawk	<i>Accipiter trivirgatus</i>	R	R		W
Crested Myna	<i>Acridotheres cristatellus</i>	CW	R	D, PS, S, Sh	D, Sh
Dusky Warbler	<i>Phylloscopus fuscatus</i>	CW	WV, PM	Sh	
Eurasian Tree Sparrow	<i>Passer montanus</i>	CW	R	D, Sh	D, Pd, S, Sh
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	CW	R	Sh	Pd, W
Great Tit	<i>Parus major</i>	CW	R	D, Pd, S, Sh, W	D, Sh, W
Greater Necklanced LT	<i>Garrulax pectoralis</i>	CW	R	W	
Grey Wagtail	<i>Motacilla cinerea</i>	CW	WV, PM	Sh	
Grey-backed Thrush	<i>Turdus hortulorum</i>	CW	WV	W	
Grey-tailed Tattler	<i>Heteroscelus brevipes</i>	R	PM		S
House Swift	<i>Apus affinis</i>	CW	R, PM	W	
Japanese White-eye	<i>Zosterops japonicus</i>	CW	R	Pd, Sh, W	D, Pd, S, Sh, W
Large-billed Crow	<i>Corvus macrorhynchos</i>	CW	R	Sh	Pd, S
Light-vented Bulbul	<i>Pycnonotus sinensis</i>	CW	R	D, Pd, S, Sh, W	D, Pd, PS, S, Sh, W
Little Egret	<i>Egretta garzetta</i>	CW	R	PS, S	D, PS, S, Sh
Long-tailed Shrike	<i>Lanius schach</i>	CW	R		W
Masked Laughing Thrush	<i>Garrulax perspicillatus</i>	CW	R	D, S, Sh, W	S, Sh
Olive-backed Pipit	<i>Anthus hodgsoni</i>	CW	WV, PM	Sh	
Oriental Magpie Robin	<i>Copsychus saularis</i>	CW	R	PS, S, Sh, W	Pd, S, Sh, W
Osprey	<i>Pandion haliaetus</i>	R	WV	S	
Pacific Swift	<i>Apus pacificus</i>	CW	SV, PM		W
Red-billed Starling	<i>Sturnus sericeus</i>	R	WV	D, PS, S, Sh	
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	CW	R	Sh, W	D, Pd, Sh, W
Richard's Pipit	<i>Anthus richardi</i>	CW	WV, PM	S	
Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>	R	R	S, Sh, W	Sh, W

Common Name	Species Name	Commonness	Status in Hong Kong	Habitats Recorded in Dry Season	Habitats Recorded in Wet Season
Spotted Dove	<i>Streptopelia chinensis</i>	CW	R	D, Pd, PS, Sh, W	D, Pd, PS, S, Sh, W
Violet Whistling Thrush	<i>Myiophonus caeruleus</i>	CW	R	W	
White Wagtail	<i>Motacilla alba</i>	CW	WV, PM	Pd, S, Sh	D, Pd, PS, S, Sh
White-bellied Sea Eagle	<i>Haliaeetus leucogaster</i>	U	R		S, Sh
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	CW	R	S	Pd
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	CW	R	Sh	
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	CW	WV, PM	Pd, Sh, W	Pd
Total Species				38	31

Habitats: W = Secondary Woodland, Sh = Shrubland, S = Sandy Shore with Backshore Vegetation, Pd = Pond, PS = Project Site, D = Village/Modified Area

Commonness & Distribution: CW = common and widespread, U = uncommon and localised, R = rare and localized, VR = very rare

Main Status: R = Resident, WV = Winter Visitor, SV = Summer Visitor; PM = Passage/Seasonal Migrant

Table 4 Bird Species Recorded within Study Area in Dry Season

Common Name	Species Name	Study Area					
		Secondary Woodland	Shrubland	Sandy Shore with Backshore Vegetation	Pond	Village/ Modified Area	Project Site
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	0	1	0	0	0	0
Black Kite	<i>Milvus migrans</i>	0	1	0	0	1	0
Black-collared Starling	<i>Sturnus nigricollis</i>	0	3	11	2	0	2
Chestnut Bulbul	<i>Hypsipetes castanonotus</i>	4	0	0	0	0	0
Chinese Pond Heron	<i>Ardeola bacchus</i>	0	0	1	0	0	0
Collared Crow	<i>Corvus torquatus</i>	0	0	2	0	0	0
Common Black Bird	<i>Turdus merula</i>	33	3	0	1	0	0
Common Kingfisher	<i>Alcedo atthis</i>	0	0	0	0	1	1
Common Magpie	<i>Pica pica</i>	0	0	3	0	1	0
Common Sandpiper	<i>Actitis hypoleucos</i>	0	0	3	0	0	0
Common Tailorbird	<i>Orthotomus sutorius</i>	8	5	2	0	0	2
Crested Myna	<i>Acridotheres cristatellus</i>	0	2	0	0	3	1
Dusky Warbler	<i>Phylloscopus fuscatus</i>	0	2	0	0	0	0
Eurasian Tree Sparrow	<i>Passer montanus</i>	0	14	0	0	8	0
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	0	1	0	0	0	0
Great Tit	<i>Parus major</i>	3	2	1	2	1	0
Greater Necklanced LT	<i>Garrulax pectoralis</i>	6	0	0	0	0	0
Grey Wagtail	<i>Motacilla cinerea</i>	0	6	0	0	0	0
Grey-backed Thrush	<i>Turdus hortulorum</i>	2	0	0	0	0	0
House Swift	<i>Apus affinis</i>	5	0	0	0	0	0
Japanese White-eye	<i>Zosterops japonicus</i>	27	5	0	21	0	0

Common Name	Species Name	Study Area					
		Secondary Woodland	Shrubland	Sandy Shore with Backshore Vegetation	Pond	Village/ Modified Area	Project Site
Large-billed Crow	<i>Corvus macrorhynchos</i>	0	1	0	0	0	0
Light-vented Bulbul	<i>Pycnonotus sinensis</i>	4	8	7	2	6	0
Little Egret	<i>Egretta garzetta</i>	0	0	2	0	0	2
Masked Laughing Thrush	<i>Garrulax perspicillatus</i>	2	5	5	0	0	0
Olive-backed Pipit	<i>Anthus hodgsoni</i>	0	5	0	0	0	0
Oriental Magpie Robin	<i>Copsychus saularis</i>	1	3	2	0	0	1
Osprey	<i>Pandion haliaetus</i>	0	0	1	0	0	0
Red-billed Starling	<i>Sturnus sericeus</i>	0	14	18	0	8	68
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	6	4	0	0	0	0
Richard's Pipit	<i>Anthus richardi</i>	0	0	1	0	0	0
Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>	1	1	1	0	0	0
Spotted Dove	<i>Streptopelia chinensis</i>	1	4	0	4	3	2
Violet Whistling Thrush	<i>Myiophoneus caeruleus</i>	1	0	0	0	0	0
White Wagtail	<i>Motacilla alba</i>	0	5	1	2	0	0
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	0	0	1	0	0	0
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	0	1	0	0	0	0
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	4	1	0	1	0	0
Total Species		16	24	17	8	9	8

Table 5 Bird Species Recorded Quantitatively within Study Area in Wet Season

Common Name	Species Name	Study Area					
		Secondary Woodland	Shrubland	Sandy Shore with Backshore Vegetation	Pond	Village/ Modified Area	Project Site
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	1	0	0	0	0	0
Barn Swallow	<i>Hirudo rustica</i>	0	1	0	0	0	0
Black Kite	<i>Milvus migrans</i>	0	0	2	0	2	1
Black-collared Starling	<i>Sturnus nigricollis</i>	0	2	6	5	2	5
Chinese Pond Heron	<i>Ardeola bacchus</i>	0	0	2	0	0	0
Collared Crow	<i>Corvus torquatus</i>	0	0	2	0	0	0
Common Kingfisher	<i>Alcedo atthis</i>	0	1	0	0	0	0
Common Magpie	<i>Pica pica</i>	0	0	2	0	2	0
Common Sandpiper	<i>Actitis hypoleucos</i>	0	0	4	0	0	1
Common Tailorbird	<i>Orthotomus sutorius</i>	8	2	1	0	0	0
Crested Goshawk	<i>Accipiter trivirgatus</i>	2	0	0	0	0	0
Crested Myna	<i>Acridotheres cristatellus</i>	0	1	0	0	9	0
Eurasian Tree Sparrow	<i>Passer montanus</i>	0	16	2	6	20	0
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	2	0	0	2	0	0
Great Tit	<i>Parus major</i>	2	2	0	0	2	0
Grey-tailed Tattler	<i>Heteroscelus brevipes</i>	0	0	1	0	0	0
Japanese White-eye	<i>Zosterops japonicus</i>	16	6	6	11	5	0
Large-billed Crow	<i>Corvus macrorhynchos</i>	0	0	5	2	0	0
Light-vented Bulbul	<i>Pycnonotus sinensis</i>	15	7	5	3	12	4
Little Egret	<i>Egretta garzetta</i>	0	1	4	0	2	1
Long-tailed Shrike	<i>Lanius schach</i>	1	0	0	0	0	0

Common Name	Species Name	Study Area					
		Secondary Woodland	Shrubland	Sandy Shore with Backshore Vegetation	Pond	Village/ Modified Area	Project Site
Masked Laughing Thrush	<i>Garrulax perspicillatus</i>	0	6	5	0	0	0
Oriental Magpie Robin	<i>Copsychus saularis</i>	3	2	2	1	0	0
Pacific Swift	<i>Apus pacificus</i>	1	0	0	0	0	0
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	6	20	0	9	4	0
Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>	3	1	0	0	0	0
Spotted Dove	<i>Streptopelia chinensis</i>	2	2	6	2	2	2
White Wagtail	<i>Motacilla alba</i>	0	4	2	1	2	1
White-bellied Sea Eagle	<i>Haliaeetus leucogaster</i>	0	1	1	0	0	0
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	0	0	0	1	0	0
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	0	0	0	2	0	0
Total Species		13	17	18	12	12	7

Table 6 Butterfly Species Recorded within the Study Area

Common Name	Species Name	Status	Habitat Recorded in Dry Season	Habitat Recorded in Wet Season
Angled Castor	<i>Ariadne ariadne</i>	C	Sh	Sh
Blue-spotted Crow	<i>Euploea midamus</i>	VC	S, Sh	Sh, W
Brown Pansy	<i>Junonia iphita</i>	UC		W
Ceylon Blue Tiger	<i>Ideopsis similis</i>	VC	W	Sh
Chinese Peacock	<i>Papilio bianor</i>	VC		W
Colour Sergeant	<i>Athyma nefte</i>	C	Sh	W
Common Bluebottle	<i>Graphium sarpedon</i>	VC	Sh	D, Pd, S, W
Common Five-ring	<i>Ypthima baldus</i>	VC	Sh, W	Sh, W
Common Grass Yellow	<i>Eurema hecabe</i>	VC	Sh, W	D, Sh, W
Common Hedge Blue	<i>Acytolepis puspa</i>	C	Sh	Sh
Common Indian Crow	<i>Euploea core</i>	VC		D, Sh, W
Common Jay	<i>Graphium doson</i>	C		Sh
Common Jester	<i>Symbrenthia lilaea</i>	C	Sh	
Common Mine	<i>Chilasa clytia</i>	C		W
Common Mormon	<i>Papilio polytes</i>	VC	D, Sh	D, Pd, S, Sh, W
Common Nawab	<i>Polyura athamas</i>	UC		Pd, W
Common Palmfly	<i>Elymnias hypermnestra</i>	C	Sh	
Common Sailer	<i>Neptis hylas</i>	VC	Sh, W	Sh, W
Common Tiger	<i>Danaus genutia</i>	VC	W	Pd, Sh
Danaid Egg-fly	<i>Hypolimnas misippus</i>	UC	Sh	
Dark Cerulean	<i>Jamides bochus</i>	C	Sh	
Dark Evening Brown	<i>Melanitis phedima</i>	UC		Sh
Dark-band Bush Brown	<i>Mycalesis mineus</i>	VC	Sh, W	Sh, W
Five-bar Swordtail	<i>Pathysa antiphates</i>	C		W
Forest Hopper	<i>Astictopterus jama</i>	C		W
Glassy Tiger	<i>Parantica aglea</i>	VC	Sh	
Great Egg-fly	<i>Hypolimnas bolina</i>	C	W	Sh, W
Great Mormon	<i>Papilio memnon</i>	VC	Sh	W
Great Orange Tip	<i>Hebomoia glaucippe</i>	C		W
Great Swift	<i>Pelopidas assamensis</i>	UC		Sh
Indian Cabbage White	<i>Pieris canidia</i>	VC	Sh	
Indian Palm Bob	<i>Suastus gremius</i>	UC		W
Indian Red Admiral	<i>Vanessa indica</i>	C	W	Sh
Large Faun	<i>Faunis eumeus</i>	C	W	W
Lemon Emigrant	<i>Catopsilia prmona</i>	C	Sh	Pd, W
Lime Blue	<i>Chilades lajus</i>	VC	Sh	W
Long-tailed Blue	<i>Lampides boeticus</i>	C	Sh	
Painted Jezebel	<i>Delias hyparete</i>	UC	Sh	W
Pale Grass Blue	<i>Zizeeria maha</i>	VC	Sh	
Paris Peacock	<i>Papilio paris</i>	VC		D
Plain Tiger	<i>Danaus chrysippus</i>	UC	Sh	

Common Name	Species Name	Status	Habitat Recorded in Dry Season	Habitat Recorded in Wet Season
Plum Judy	<i>Abisara echerius</i>	VC	Sh, W	W
Punchinello	<i>Zemeros flegyas</i>	C	Sh	
Purple Sapphire	<i>Heliophorus epicles</i>	C		S, Sh
Red Helen	<i>Papilio helenus</i>	VC	D, Sh	W
Red-based Jezebel	<i>Delias pasithoe</i>	VC	S, Sh, W	
Rustic	<i>Cupha erymanthis</i>	VC	Sh	Sh, W
Slate Flash	<i>Rapala manea</i>	C	Sh	W
Sliver Streak Blue	<i>Iraota timoleon</i>	UC		W
South China Bush Brown	<i>Mycalesis zonata</i>	UC	Sh, W	
South Sullied Sailer	<i>Neptis clinia</i>	C	S, Sh	
Spangle	<i>Papilio protenor</i>	VC	Sh	Sh
Tailed Jay	<i>Graphium agamemnon</i>	VC	Sh	Sh
Tailed Sulphur	<i>Dercas verhuelli</i>	UC		W
White-edged Blue Baron	<i>Euthalia phemius</i>	UC	Sh	
Yellow Orange Tip	<i>Ixias pyrene</i>	UC	Sh	
Total Species			40	41

VC = Very Common, C = Common, UC = Uncommon, R = Rare

W = Secondary Woodland, S =Sandy Shore with Backshore Vegetation, Sh = Shrubland, Pd = Pond, D = Village/Modified Area

Table 7 Butterfly Species Recorded within the Study Area in Dry Season

Common Name	Species Name	Study Area					
		Secondary Woodland	Shrubland	Sandy Shore with Backshore Vegetation	Pond	Village/ Modified Area	Project Site
Angled Castor	<i>Ariadne ariadne</i>	0	2	0	0	0	0
Blue-spotted Crow	<i>Euploea midamus</i>	0	1	1	0	0	0
Ceylon Blue Tiger	<i>Ideopsis similis</i>	1	0	0	0	0	0
Colour Sergeant	<i>Athyma nefte</i>	0	1	0	0	0	0
Common Bluebottle	<i>Graphium sarpedon</i>	0	1	0	0	0	0
Common Five-ring	<i>Ypthima baldus</i>	3	2	0	0	0	0
Common Grass Yellow	<i>Eurema becabe</i>	5	5	0	0	0	0
Common Hedge Blue	<i>Acytolepis puspa</i>	0	3	0	0	0	0
Common Jester	<i>Symbrenthia lilaea</i>	0	1	0	0	0	0
Common Mormon	<i>Papilio polytes</i>	0	3	0	0	1	0
Common Palmfly	<i>Elymnias hypermnestra</i>	0	1	0	0	0	0
Common Sailer	<i>Neptis hylas</i>	2	3	0	0	0	0
Common Tiger	<i>Danaus genutia</i>	3	0	0	0	0	0
Danaid Egg-fly	<i>Hypolimnas misippus</i>	0	1	0	0	0	0
Dark Cerulean	<i>Jamides bochus</i>	0	1	0	0	0	0
Dark-band Bush Brown	<i>Mycalesis mineus</i>	2	2	0	0	0	0
Glassy Tiger	<i>Parantica aglea</i>	0	1	0	0	0	0
Great Egg-fly	<i>Hypolimnas bolina</i>	3	0	0	0	0	0
Great Mormon	<i>Papilio memnon</i>	0	2	0	0	0	0
Indian Cabbage White	<i>Pieris canidia</i>	0	2	0	0	0	0
Indian Red Admiral	<i>Vanessa indica</i>	1	0	0	0	0	0

Common Name	Species Name	Study Area					
		Secondary Woodland	Shrubland	Sandy Shore with Backshore Vegetation	Pond	Village/ Modified Area	Project Site
Large Faun	<i>Faunis eumeus</i>	2	0	0	0	0	0
Lemon Emigrant	<i>Catopsilia prmona</i>	0	3	0	0	1	0
Lime Blue	<i>Chilades lajus</i>	0	1	0	0	0	0
Long-tailed Blue	<i>Lampides boeticus</i>	0	18	0	0	0	0
Painted Jezebel	<i>Delias hyparete</i>	0	1	0	0	0	0
Pale Grass Blue	<i>Zizeeria maha</i>	0	7	0	0	0	0
Plain Tiger	<i>Danaus chrysippus</i>	0	2	0	0	0	0
Plum Judy	<i>Abisara echerius</i>	6	1	0	0	0	0
Punchinello	<i>Zemeros flegyas</i>	0	3	0	0	0	0
Red Helen	<i>Papilio helenus</i>	0	1	0	0	1	0
Red-based Jezebel	<i>Delias pasithoe</i>	3	2	2	0	0	0
Rustic	<i>Cupha erymanthis</i>	0	1	0	0	0	0
Slate Flash	<i>Rapala manea</i>	0	1	0	0	0	0
South China Bush Brown	<i>Mycalesis zonata</i>	1	1	0	0	0	0
South Sullied Sailer	<i>Neptis clinia</i>	0	2	1	0	0	0
Spangle	<i>Papilio protenor</i>	0	2	0	0	0	0
Tailed Jay	<i>Graphium agamemnon</i>	0	1	0	0	0	0
White-edged Blue Baron	<i>Euthalia phemius</i>	0	2	0	0	0	0
Yellow Orange Tip	<i>Ixias pyrene</i>	0	1	0	0	0	0
Total No. of Individuals		32	82	4	0	3	0
Total Species		12	35	3	0	3	0

Table 8 Butterfly Species Recorded within the Study Area in Wet Season

Common Name	Species Name	Study Area					Project Site
		Secondary Woodland	Shrubland	Sandy Shore with Backshore Vegetation	Pond	Village/ Modified Area	
Angled Castor	<i>Ariadne ariadne</i>	0	1	0	0	0	0
Blue-spotted Crow	<i>Euploea midamus</i>	5	0	1	0	0	0
Brown Pansy	<i>Junonia iphita</i>	1	0	0	0	0	0
Ceylon Blue Tiger	<i>Ideopsis similis</i>	0	2	0	0	0	0
Chinese Peacock	<i>Papilio bianor</i>	6	0	0	0	0	0
Colour Sergeant	<i>Athyma nefte</i>	2	0	0	0	0	0
Common Bluebottle	<i>Graphium sarpedon</i>	1	0	2	2	1	0
Common Five-ring	<i>Ypthima baldus</i>	2	1	0	0	0	0
Common Grass Yellow	<i>Eurema hecabe</i>	8	1	0	0	1	0
Common Hedge Blue	<i>Acytolepis puspa</i>	0	1	0	0	0	0
Common Indian Crow	<i>Euploea core</i>	2	1	0	0	2	0
Common Jay	<i>Graphium doson</i>	0	1	0	0	0	0
Common Mine	<i>Chilasa clytia</i>	3	0	0	0	0	0
Common Mormon	<i>Papilio polytes</i>	3	1	1	1	2	0
Common Nawab	<i>Polyura athamas</i>	1	0	0	1	0	0
Common Sailer	<i>Neptis hylas</i>	2	1	0	0	0	0
Common Tiger	<i>Danaus genutia</i>	0	2	0	2	0	0
Dark Evening Brown	<i>Melanitis phedima</i>	0	1	0	0	0	0
Dark-band Bush Brown	<i>Mycalesis mineus</i>	9	1	0	0	0	0
Five-bar Swordtail	<i>Pathysa antiphates</i>	2	0	0	0	0	0
Forest Hopper	<i>Astictopterus jama</i>	1	0	0	0	0	0
Great Egg-fly	<i>Hypolimnas bolina</i>	5	1	0	0	0	0
Great Mormon	<i>Papilio memnon</i>	2	0	0	0	0	0
Great Orange Tip	<i>Hebomoia glaucippe</i>	1	0	0	0	0	0

Common Name	Species Name	Study Area					
		Secondary Woodland	Shrubland	Sandy Shore with Backshore Vegetation	Pond	Village/ Modified Area	Project Site
Great Swift	<i>Pelopidas assamensis</i>	0	1	0	0	0	0
Indian Palm Bob	<i>Suastus gremius</i>	1	0	0	0	0	0
Indian Red Admiral	<i>Vanessa indica</i>	0	1	0	0	0	0
Large Faun	<i>Faunis eumeus</i>	3	0	0	0	0	0
Lemon Emigrant	<i>Catopsilia prmona</i>	1	0	0	1	0	0
Lime Blue	<i>Chilades lajus</i>	2	0	0	0	0	0
Painted Jezebel	<i>Delias hyparete</i>	2	0	0	0	0	0
Paris Peacock	<i>Papilio paris</i>	0	0	0	0	1	0
Plum Judy	<i>Abisara echerius</i>	6	0	0	0	0	0
Purple Sapphire	<i>Heliophorus epicles</i>	0	1	1	0	0	0
Red Helen	<i>Papilio helenus</i>	4	0	0	0	0	0
Rustic	<i>Cupha erymanthis</i>	4	1	0	0	0	0
Slate Flash	<i>Rapala manea</i>	1	0	0	0	0	0
Silver Streak Blue	<i>Iraota timoleon</i>	1	0	0	0	0	0
Spangle	<i>Papilio protenor</i>	0	2	0	0	0	0
Tailed Jay	<i>Graphium agamemnon</i>	0	1	0	0	0	0
Tailed Sulphur	<i>Dercas verhuelli</i>	1	0	0	0	0	0
Total No. of Individuals		82	22	5	7	7	0
Total Species		29	19	4	5	5	0

Table 9 Dragonfly Species Recorded within Study Area

Common Name	Species Name	Status	Habitat Recorded in	
			Dry Season	Wet Season
Amber-winged Glider	<i>Hydrobasileus croceus</i>	C		W
Black-banded Gossamerwing	<i>Euphaea decorata</i>	A		W
Black Threadtail	<i>Prodasineura autumnalis</i>	A	Sh	
Common Blue Skimmer	<i>Orthetrum glaccum</i>	A	S, Sh	Sh, W
Common Red Skimmer	<i>Orthetrum prunosum</i>	A	Sh	S, Sh, W
Crimson Dropwing	<i>Trithemis aurora</i>	A	Sh	Sh
Indigo Dropwing	<i>Trithemis festiva</i>	A	Sh	Sh
Red-faced Skimmer	<i>Orthetrum chrysis</i>	C	S, Sh	Sh
Saddlebag Glider	<i>Tremea virginia</i>	C		Sh, W
Variegated Flutterer	<i>Ryhothemis variegata arria</i>	C		Sh
Wandering Glider	<i>Pantala flavescens</i>	A	S	D, Pd, PS, S, Sh, W
Yellow Featherlegs	<i>Copera marginipes</i>	A	D	Sh
Total Species			8	11

VC = Very Common, C = Common, UC = Uncommon, R = Rare
 W = Secondary Woodland, Sh = Shrubland, S = Sandy Shore with Backshore Vegetation, Pd = Pond, D = Village/Modified Area, PS = Project Site

Table 10 Dragonfly Species Recorded within Study Area in Dry Season

Common Name	Species Name	Status	Study Area					
			W	Sh	S	Pd	D	PS
Black Threadtail	<i>Prodasineura autumnalis</i>	A		1				
Common Blue Skimmer	<i>Orthetrum glaccum</i>	A		2	1			
Common Red Skimmer	<i>Orthetrum prunosum</i>	A		1				
Crimson Dropwing	<i>Trithemis aurora</i>	A		1				
Indigo Dropwing	<i>Trithemis festiva</i>	A		3				
Red-faced Skimmer	<i>Orthetrum chrysis</i>	C		2	1			
Wandering Glider	<i>Pantala flavescens</i>	A			11			
Yellow Featherlegs	<i>Copera marginipes</i>	A		1				
Total Species			0	7	3	0	0	0
Total Individuals			0	11	13	0	0	0

A = Abundant, C = Common, UC = Uncommon.
 W = Secondary Woodland, Sh = Shrubland, S = Sandy Shore with Backshore Vegetation, Pd = Pond, D = Village/Modified Area, PS = Project Site

Table 11 Dragonfly Species Recorded within Study Area in Wet Season

Common Name	Species Name	Status	Study Area					
			W	Sh	S	Pd	D	PS
Amber-winged Glider	<i>Hydrobasileus croceus</i>	C	2					
Black-banded Gossamerwing	<i>Euphaea decorata</i>	A	1					
Common Blue Skimmer	<i>Orthetrum glaccum</i>	A	2	5				
Common Red Skimmer	<i>Orthetrum pruninosum</i>	A	1	2	1			
Crimson Dropwing	<i>Trithemis aurora</i>	A		2				
Indigo Dropwing	<i>Trithemis festiva</i>	A		2				
Red-faced Skimmer	<i>Orthetrum chrysis</i>	C		1				
Saddlebag Glider	<i>Tremea virginia</i>	C	2	1				
Variegated Flutterer	<i>Rythothemis variegata arria</i>	C		1				
Wandering Glider	<i>Pantala flavescens</i>	A	95	35	10	50	16	20
Yellow Featherlegs	<i>Copera marginipes</i>	A		3				
Total Species			6	9	2	1	1	1
Total Individuals			103	52	11	50	16	20

A = Abundant, C = Common, UC = Uncommon
 W = Secondary Woodland, Sh = Shrubland, S = Sandy Shore with Backshore Vegetation, Pd = Pond, D = Village/Modified Area, PS = Project Site

Table 12 Amphibian and Reptile Species Recorded within Study Area

Common Name	Species Name	Status	Habitat Recorded in	
			Dry Season	Wet Season
Amphibians				
Asian Common Toad	<i>Bufo melanosticus</i>	A	W	
Gunther's Frog	<i>Rana guentheri</i>	A	Sh	S
Reptiles				
Changeable Lizard	<i>Calotes versicolor</i>	A	Sh	
Common Rat Snake	<i>Ptyas mucosus</i>	P	PS	S
Long-tailed Skink	<i>Mabuya longicaudata</i>	A	Sh	
Reeves' Smooth Skink	<i>Scincella reevesii</i>	A	Sh	
Total Species			6	2

W = Secondary Woodland, Sh = Shrubland, S = Sandy Shore with Backshore Vegetation, Pd = Pond, D = Village/Modified Area, PS = Project Site
 A = Abundant, UC = Uncommon, P = Protected

Table 13 Fish Species and Individuals Recorded from the Stream/ Channels at Lung Mei Study Area

Scientific Name	Status	Origin	Relative Abundance							
			S1	S2	S3	S4	Lo Tsz River (S5)		Shan Liu River (S6)	
							Lower	Upper	Lower	Upper
Guppy <i>Poecilia reticulata</i>	Common	Exotic to China			+			++	++	++
Mosquito Fish <i>Gambusia affinis</i>	Common	Exotic to China			+	+++	++	+++	++	+++
Swordtail <i>Xiphophorus hellerii</i>	Common	Exotic to China							++	
Tilapia <i>Oreochromis niloticus</i>	Common	Exotic to China	No fish was recorded in S1 and S2.			++		+	+	
Variable Platyfish <i>Xiphophorus variatus</i>	Common	Exotic to China			+		++	+++		+++
Common Mudskipper <i>Periophthalmus modestus</i>	Common	Western Pacific region					+		+	
Common Silver-biddy <i>Gerres oyena</i>	Common	Indo-Pacific region					++		++	

+ = less than 20 individuals; ++ = 20-50 individuals; +++ = more than 50 individuals

For Lo Tsz River and Shan Liu River, Lower = Section of the stream located below Ting Kok Road. Upper = Section of the stream above Ting Kok Road.

Table 14 Mean Number of Individuals (m⁻²) (± S.D.) of Intertidal Organisms Recorded from the Artificial / Disturbed Shoreline During the Intertidal Survey

	High Intertidal Zone		Middle Intertidal Zone		Low Intertidal Zone	
Snail						
<i>Nodilittorina radiata</i>	0.8	± 1.8	0		0	
<i>Planaxis sulcatus</i>	2.4	± 5.4	0		96	± 203.7
<i>Monodonta labio</i>	2.4	± 5.4	18.4	± 15.7	4.8	± 6.6
Bivalves (% cover)						
<i>Saccostrea cucullata</i>	1.8%	± 2.5%	7.0%	± 4.8%	38.0%	± 36.8%
<i>Isognomon isognomum</i>	5.4%	± 8.4%	5.2%	± 6.1%	0.4%	± 0.9%
Barnacles (% cover)						
<i>Balanus amphitrite</i>	0.4%	± 0.9%	0.6%	± 0.9%	0.0%	

Table 15 Benthic Organisms Recorded within the Soft Bottom Habitat of the Project Site

Depth	Sample	Number of individuals	Biomass (g)	Scientific	Family	Order	Class	Phylum
0 m CD	1	9	0.4218	<i>Clithon oulaniensis</i>	Neritidae	Archaeogastropoda	Gastropoda	Mollusca
	1	1	0.557	<i>Cerithidea sp.</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	1	1	0.0118	<i>Diogenes edwardsii</i>	Diogenidae	Anomura	Crustacea	Arthropoda
	1	25	0.6334	<i>Batillaria multififormis</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	1	1	0.0073	<i>Timoclea imbricata</i>	Veneridae	Veneroida	Bivalvia	Mollusca
	1	1	0.0306	<i>Nassarius papillosus</i>	Nassariidae	Stenoglossa	Gastropoda	Mollusca
0 m CD	2	5	0.1886	<i>Clithon oulaniensis</i>	Neritidae	Archaeogastropoda	Gastropoda	Mollusca
	2	6	1.5772	<i>Balanus albicostatus</i>	Balanudae	Thoracica	Crustacea	Arthropoda
	2	4	0.638	<i>Nassarius papillosus</i>	Nassariidae	Stenoglossa	Gastropoda	Mollusca
	2	28	0.7338	<i>Batillaria multififormis</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	2	1	0.0005	<i>Prionospio sp.</i>	Spionidae	Spionida	Polychaeta	Annelida
	2	1	0.0004	<i>Corophium sp.</i>	Corophiidae	Amphipoda	Crustacea	Arthropoda
	2	1	0.0019	<i>Cirratulus sp.</i>	Cirratulidae	Spionida	Polychaeta	Annelida
	2	1	0.0183	<i>Ruditapes philippinarum</i>	Veneridae	Veneroida	Bivalvia	Mollusca
0 m CD	3	7	0.3075	<i>Clithon oulaniensis</i>	Neritidae	Archaeogastropoda	Gastropoda	Mollusca
	3	30	0.6624	<i>Batillaria multififormis</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	3	1	0.1849	<i>Nassarius papillosus</i>	Nassariidae	Stenoglossa	Gastropoda	Mollusca
	3	1	0.0105	<i>Timoclea imbricata</i>	Veneridae	Veneroida	Bivalvia	Mollusca
	3	1	0.0008	<i>Prionospio sp.</i>	Spionidae	Spionida	Polychaeta	Annelida
-1 m CD	4	6	0.4666	<i>Cerithidea cingulata</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	4	7	0.3664	<i>Batillaria multififormis</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	4	7	0.051	<i>Cerithidea sp.</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
-1 m CD	5	2	0.3196	<i>Nassarius dealbatus</i>	Nassariidae	Stenoglossa	Gastropoda	Mollusca
	5	16	0.6292	<i>Batillaria multififormis</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	5	6	0.5466	<i>Cerithidea cingulata</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	5	2	0.0142	<i>Iravadia quadrasi</i>	Rissoiidae	Mesogastropoda	Gastropoda	Mollusca
-1 m CD	6	2	0.3642	<i>Nassarius dealbatus</i>	Nassariidae	Stenoglossa	Gastropoda	Mollusca
	6	1	0.1924	<i>Saccostrea cucullata</i>	Ostreidae	Pterioida	Bivalvia	Mollusca
	6	16	0.5912	<i>Batillaria multififormis</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	6	4	0.3419	<i>Cerithidea cingulata</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca

Depth	Sample	Number of individuals	Biomass (g)	Scientific	Family	Order	Class	Phylum
	6	2	0.0151	<i>Iravadia quadrasi</i>	Rissoiidae	Mesogastropoda	Gastropoda	Mollusca
	6	1	0.0008	<i>Syllis sp.</i>	Syllidae	Phyllodocida	Polychaeta	Annelida
	6	2	0.0013	<i>Prionospio ehlersi</i>	Spionidae	Spionida	Polychaeta	Annelida
	6	1	0.0035	<i>Ruditapes philippinarum</i>	Veneridae	Veneroida	Bivalvia	Mollusca
	6	1	0.0007	<i>Aonides oxycephala</i>	Spionidae	Spionida	Polychaeta	Annelida
	6	1	0.0069	<i>Modiolus sp.</i>	Mytilidae	Mytiloida	Bivalvia	Mollusca
	6	3	0.1478	<i>Timoclea imbricata</i>	Veneridae	Veneroida	Bivalvia	Mollusca
	6	4	0.0441	<i>Cerithidea sp.</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
-2 m CD	7	1	0.1674	<i>Nassarius dealbatus</i>	Nassariidae	Stenoglossa	Gastropoda	Mollusca
	7	1	0.062	<i>Cerithidea cingulata</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	7	7	0.1553	<i>Batillaria multififormis</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	7	1	0.2308	<i>Cerithidea sp.</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	7	14	0.1009	<i>Batillaria zonalis</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	7	1	0.0057	<i>Mitrella bella</i>	Pyrenidae	Stenoglossa	Gastropoda	Mollusca
	7	1	0.0161	<i>Assimineia sp.</i>	Assimineidae	Mesogastropoda	Gastropoda	Mollusca
-2 m CD	8	2	0.2347	<i>Nassarius dealbatus</i>	Nassariidae	Stenoglossa	Gastropoda	Mollusca
	8	1	0.651	<i>Barbatia decussata</i>	Arcidae	Arcoida	Bivalvia	Mollusca
	8	2	0.146	<i>Cerithidea cingulata</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	8	14	0.5686	<i>Batillaria multififormis</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	8	1	0.0027	<i>Aonides oxycephala</i>	Spionidae	Spionida	Polychaeta	Annelida
	8	2	0.0104	<i>Ruditapes philippinarum</i>	Veneridae	Veneroida	Bivalvia	Mollusca
	8	3	0.0091	<i>Mitrella bella</i>	Pyrenidae	Stenoglossa	Gastropoda	Mollusca
-2 m CD	9	1	0.0992	<i>Saccostrea cucullata</i>	Ostreidae	Pterioida	Bivalvia	Mollusca
	9	19	0.528	<i>Batillaria multififormis</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca
	9	1	0.0931	<i>Timoclea imbricata</i>	Veneridae	Veneroida	Bivalvia	Mollusca
	9	12	0.1179	<i>Batillaria sp.</i>	Potamodidae	Mesogastropoda	Gastropoda	Mollusca

Table 16 General Descriptions of the Seabed and Qualitative Survey Recorded along each Zone

Zone	Description
Artificial / disturbed shoreline at Tai Mei Tuk	The seabed was mainly composed of boulders and bedrocks with sand and rubbles in between. Low cover of mud was also observed on the substratum. Low abundance (< 10 individuals) and cover of coral (< 5 %) were recorded, which were common and widespread species in Hong Kong (<i>Oulastrea crispata</i> and <i>Cyphastrea serailia</i>). Visibility was poor (~1m).
Natural rocky shore at east of Ma Shi Chau	The seabed was mainly composed of boulders and bedrocks with sand and rubbles in between. Low cover of mud was also observed on the substratum. Extremely low abundance (< 3 individuals) and cover of coral (< 5 %) were recorded, which was common and widespread species in Hong Kong (<i>Psammocora superficialis</i>). Visibility was poor (~1m).
Natural shore at east of Yeung Chau	The seabed was mainly composed of rocks, boulders and sands with rubbles in between. Low abundance (< 10 individuals) and cover of coral (< 5 %) were recorded, which was common and widespread species in Hong Kong (<i>Oulastrea crispata</i>). Visibility was poor (~1m).
Soft bottom habitat within the Project Site	The seabed was mainly composed of sandy and small bubbles. No coral was found at this zone. Visibility was around 1.5m.
Soft bottom habitat adjacent to the Project Site	The seabed was composed of sand and mud. No coral was found at this zone. Visibility was poor (~1m).

Table 17 Detail Descriptions of the Seabed and Qualitative Survey Recorded along each Rapid Ecological Assessment (REA) Transect

Location	Transect	Depth	Description
Artificial / disturbed shoreline at Tai Mei Tuk	1	-3 to -5 mPD	The seabed was mainly composed of boulders/bedrocks with rubbles in between. Visibility was fair (~1.0m) along the transect. One colony of hard coral <i>Oulastrea crispata</i> was recorded. One seahorse <i>Hippocampus</i> sp. was recorded. The transect started from east to west direction.
	2	-3 to -4 mPD	The seabed was mainly composed of boulders/bedrocks with sand and rubbles in between. Visibility was fair (~1.0m) along the transect. No coral was recorded. The transect started from east to west direction.
	3	-3 to -5 mPD	The seabed was composed of boulders/bedrocks and in some parts with sand. Visibility was fair (~1.0m) along the transect. No coral was recorded. The transect started from south to north direction.
	4	-3 to -5 mPD	The seabed was mainly composed of bedrocks/ boulders with sand and rubbles in between. Visibility was fair (~1m – 1.5m) along the transect. No coral was recorded. The transect started from south-west to north-east direction.
	5	-2.5 to -6 mPD	The seabed was composed of boulder and bedrocks with sand in between. Visibility was fair (~1m). Two seahorses <i>Hippocampus</i> sp. was recorded. No coral was recorded. The transect started from south-west to north-east direction.
	6	-3 to -6 mPD	The seabed was composed of sand and muddy with some rocks in between. Visibility was fair (~1m). Two hard coral colonies were recorded along the transect which are <i>Oulastrea crispata</i> and <i>Cyphastrea serailia</i> . The transect started from south-east to north-west direction.
	7	-3 to -5 mPD	The seabed was mainly composed with rocks and sandy. Visibility was fair (~1m). One seahorse <i>Hippocampus</i> sp. was recorded. No coral was recorded. The transect started from south to north direction.
	8	-2.5 to -4 mPD	The seabed was mainly composed with bedrocks/boulder with some sand in between. Visibility was fair (~1m). No coral was recorded. The transect started from south to north direction.
	9	-3 to -6 mPD	The seabed was mainly with mud with rocks in between. Visibility was fair (~1m). Four hard colonies were recorded along the transect which are all <i>Oulastrea crispata</i> . The transect started from south to north direction.
	10	-2.5 to -5 mPD	The seabed was mainly composed with bedrocks/boulders with mud and sand in between. Visibility was fair (~1m). No coral was recorded. The transect started from south to north direction.
Natural rocky shore at east of Ma Shi Chau	11	-3 to -5 mPD	The seabed was mainly composed of boulders/bedrocks with sandy in between. Visibility was fair (~1.0m) along the transect. No coral was found at this area. The transect started from south-west to north-east direction.
	12	-3 to -5 mPD	The seabed was mainly composed of boulders/bedrocks with sand and rubbles in between. Visibility was fair (~1.0m) along the transect. No coral was recorded. The transect started from south-west to north-east direction.
	13	-2.5 to -5 mPD	The seabed was composed of boulders/bedrocks with sand and rubbles in between. Visibility was fair (~1.0m) along the transect. No coral was recorded. The transect started from west to east direction.
	14	-2.5 to -4 mPD	The seabed was mainly composed of bedrocks/ boulders with sand and rubbles in between. Visibility was fair (~1m – 1.5m) along the transect. Two hard corals were recorded along the transect which are all <i>Psammocora superficialis</i> . The transect started from north-west to south-east direction.

Location	Transect	Depth	Description
	15	-2.5 to -4 mPD	The seabed was mainly composed with bedrocks/boulders with mud and sand in between. Visibility was fair (~1m). One hard coral colony was recorded along the transect which is <i>Oulastrea crispata</i> . The transect started from north-west to south-east direction.
Natural rocky shore at east of Yeung Chau	16	-2.5 to -5 mPD	The seabed was mainly composed of rocks and sand with rubbles in between. Visibility was fair (~1.0m) along the transect. Two hard coral colonies were recorded along the transect which are all <i>Oulastrea crispata</i> . One seahorse <i>Hippocampus</i> sp. was recorded. The transect started from north-west to south-east direction.
	17	-2.5 to -4 mPD	The seabed was mainly composed of rocks and sand with rubbles in between. Visibility was fair (~1.0m) along the transect. Three hard coral colonies were recorded along the transect which are all <i>Oulastrea crispata</i> . The transect started from south-west to north-east direction.
	18	-3 to -5 mPD	The seabed was composed of boulders/rocks with sand and rubbles in between. Visibility was fair (~1.0m) along the transect. Three hard coral colonies were recorded along the transect which are all <i>Oulastrea crispata</i> . Two seahorse <i>Hippocampus</i> sp. was recorded. The transect started from north-west to south-east direction.
	19	-2.5 to -4 mPD	The seabed was mainly composed of rocks/ boulders with sand in between. Visibility was fair (~1m) along the transect. No coral was recorded. The transect started from north to south direction.
	20	-2.5 to -4 mPD	The seabed was mainly composed with rocks and sand with rubbles in between. Visibility was fair (~1m). No coral was recorded The transect started from north to south direction.

Table 18 Seabed Attributes Along the Rapid Ecological Assessment (REA) Transects

Location	Artificial / disturbed shoreline at Tai Mei Tuk										Natural rocky shore at east of Ma Shi Chau					Natural rocky shore at east of Yeung Chau				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Seabed attributes^a																				
Hard substrate																				
Continuous pavement																				
Bedrock	3	3	3	3	3			3		3	3	3	2	3	3					
Rubble	1	1		1		2	2		1		1	1	1			1	1	1	1	1
Sand	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	2	2	1	1	2
Silt						3			3	1					1					
Boulders – large	2	2	2	2	2		3	2			2	2	2	2	2	2	2	3	2	2
Boulders – small					1			1	1	2			1	1	1	3	2	1	2	2
Ecological attributes^a																				
Hard coral	1					1			1					1	1	1	1	1		
Dead standing coral																				
Soft coral																				
Antipatharia																				
Macroalgae																				

^a Note: 1 = 1-10% Cover, 2 = 11-30% Cover, 3 = 31-50% Cover, 4 = 51-75% Cover, 5 = 76-100% Cover.

Table 19 Coral Species and Their Relative Sizes Recorded Along the Rapid Ecological Assessment (REA) Transects

Transect	Position (m)	Species	Approx. Size (cm)
1	3.5	<i>Oulastrea crispata</i>	3
	6.7	<i>Oulastrea crispata</i>	5
6	4.8	<i>Oulastrea crispata</i>	5
	9.5	<i>Cyphastrea serialia</i>	20
9	5.6	<i>Oulastrea crispata</i>	6
	5.6	<i>Oulastrea crispata</i>	5
	8.5	<i>Oulastrea crispata</i>	9
	8.6	<i>Oulastrea crispata</i>	7
14	5.6	<i>Psammocora superficialis</i>	12
	7.8	<i>Psammocora superficialis</i>	14
15	5.6	<i>Oulastrea crispata</i>	5
16	5.3	<i>Oulastrea crispata</i>	4
	7.9	<i>Oulastrea crispata</i>	6
17	2.5	<i>Oulastrea crispata</i>	5
	4.7	<i>Oulastrea crispata</i>	7
	8.8	<i>Oulastrea crispata</i>	3
18	2.0	<i>Oulastrea crispata</i>	8
	4.4	<i>Oulastrea crispata</i>	4
	4.7	<i>Oulastrea crispata</i>	5

Note: The three coral species *Oulastrea crispata*, *Cyphastrea serialia* and *Psammocora superficialis* are regarded as common, dominant and abundant species in Hong Kong

Table 20 Hard Coral Species Recorded During the Rapid Ecological Assessment (REA)

Location Transect	Abundance																			
	Artificial shoreline at Tai Mei Tuk						Natural rocky shore at east of Ma Shi Chau						Natural rocky shore at east of Yeung Chau							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Hard Coral Species																				
<i>Cyphastrea serailia</i>	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Oulastrea crispata</i>	2	-	-	-	-	1	-	-	4	-	-	-	-	-	1	2	3	3	-	-
<i>Psammocora superficialis</i>														2	-					
Total Number of Species	1	0	0	0	0	2	0	0	1	0	0	0	0	1	1	1	1	1	0	0