

## APPENDIX 13.3 AVIFAUNA

**Appendix 13.3.1.** Bird species recorded in the Study Area in this and other studies, and habitats typically utilised<sup>1</sup>. Brackets denote habitats utilised by species which occur only occasionally in the Study Area or which occur in very small numbers relative to elsewhere in Hong Kong. Occurrence of such species in the Study Area is not considered of significance to the habitat evaluation and ecological assessment procedure except where otherwise noted in the report.

Species	Conservation and Protection Status				LV <sup>6</sup>	Habitat Type <sup>6</sup>																
	BLI <sup>2</sup>	Fellowes <sup>3</sup>	CRDB <sup>4</sup>	Protection Status in China <sup>5</sup>		WA	DA	PO	MA	MW	DC	MC	NS	SWG	LG	UG	SH	SW	PL/MP	OR	GC	UV
Little Grebe <i>Tachybaptus ruficollis</i>		LC			Y			Y														
Eastern Cattle Egret <i>Bubulcus coromandus</i>		(LC)			Y	Y	Y	Y	Y					Y						Y		
Grey Heron <i>Ardea cinerea</i>		PRC			Y			Y		Y		Y										
Purple Heron <i>Ardea purpurea</i>		RC			Y																	
Great Egret <i>Egretta alba</i>		PRC(RC)			Y			Y	Y		Y											
Intermediate Egret <i>Egretta intermedia</i>		RC			Y			Y														
Little Egret <i>Egretta garzetta</i>		PRC(RC)			Y	Y	Y	Y	Y	Y	Y	Y							Y	Y		
Swinhoes's Egret <i>Egretta eulophotes</i>	VU	GC	EN	2	(Y)																	
Chinese Pond Heron <i>Ardeola bacchus</i>		PRC(RC)			Y	Y	Y	Y	Y	Y	Y	Y		Y					Y		Y	
Striated Heron <i>Butorides striatus</i>		(LC)			(Y)																	
Black-crowned Night Heron <i>Nycticorax nycticorax</i>		(LC)			Y			Y														
Eurasian Bittern <i>Botaurus stellaris</i>		RC			(Y)																	
Yellow Bittern <i>Ixobrychus sinensis</i>		(LC)			Y			Y														
Von Schrenck's Bittern <i>Ixobrychus eurhythmus</i>		RC			Y																	
Cinnamon Bittern <i>Ixobrychus cinnamomeus</i>		LC			Y																	
Black Bittern <i>Dupetor flavicollis</i>		LC			(Y)																	
Eurasian Spoonbill <i>Platalea leucorodia</i>		LC	VU	2	(Y)																	
Black-faced Spoonbill <i>Platalea minor</i>	EN	PGC	EN	2	(Y)																	
Eurasian Wigeon <i>Anas penelope</i>		RC			(Y)																	
Gadwall <i>Anas strepera</i>					(Y)																	
Eurasian Teal <i>Anas crecca</i>		RC			Y			Y														
Mallard <i>Anas platyrhynchos</i>		RC			(Y)																	
Indian Spot-billed Duck <i>Anas poecilorhyncha</i>		RC			(Y)			(Y)														
Chinese Spot-billed Duck <i>Anas zonorhyncha</i>					(Y)			(Y)														
Northern Pintail <i>Anas acuta</i>		RC			(Y)																	
Garganey <i>Anas querquedula</i>					(Y)																	
Northern Shoveler <i>Anas clypeata</i>		RC			(Y)																	
Great Cormorant <i>Phalacrocorax carbo</i>		PRC			(Y)						(Y)											
Western Osprey <i>Pandion haliaetus</i>		RC	R	2	(Y)																	

Species	Conservation and Protection Status				LV <sup>6</sup>	Habitat Type <sup>6</sup>																
	BLI <sup>2</sup>	Fellowes <sup>3</sup>	CRDB <sup>4</sup>	Protection Status in China <sup>5</sup>		WA	DA	PO	MA	MW	DC	MC	NS	SWG	LG	UG	SH	SW	PL/MP	OR	GC	UV
Crested Honey Buzzard <i>Pernis ptilorhynchus</i>		LC	VU	2	(Y)																	
Black-winged Kite <i>Elanus caeruleus</i>		LC	VU	2	(Y)																	
Black Baza <i>Aviceda leuphotes</i>					(Y)													(Y)				
Black Kite <i>Milvus migrans</i>		(RC)			(Y)			Y		Y	Y	Y		(Y)								
Eurasian Black Vulture <i>Aegypius monachus</i>	NT		VU		(Y)																	
Crested Serpent Eagle <i>Spilornis cheela</i>		(LC)	VU		(Y)													Y	Y			
Pied Harrier <i>Circus melanoleucos</i>		LC			(Y)																	
Eastern Marsh Harrier <i>Circus spilonotus</i>		LC			(Y)																	
Crested Goshawk <i>Accipiter trivirgatus</i>			R		Y													Y				
Chinese Sparrowhawk <i>Accipiter soloensis</i>					(Y)										(Y)			(Y)				
Japanese Sparrowhawk <i>Accipiter gularis</i>					Y													Y				
Besra <i>Accipiter virgatus</i>					Y		Y											Y	Y			
Eurasian Sparrowhawk <i>Accipiter nisus</i>					Y																	
Eastern Buzzard <i>Buteo japonicus</i>					Y			Y								Y	Y	Y		Y		
Greater Spotted Eagle <i>Aquila clanga</i>	VU	GC	R	2	(Y)																	
Eastern Imperial Eagle <i>Aquila heliaca</i>	VU	GC	VU	1	(Y)																	
Bonelli's Eagle <i>Hieraetus fasciatus</i>		(RC)	R	2	(Y)												Y	Y				
Mountain Hawk-Eagle <i>Spizaetus nipalensis</i>				2	(Y)																	
Common Kestrel <i>Falco tinnunculus</i>				2	Y	Y	Y	Y	Y							Y	Y				Y	
Amur Falcon <i>Falco amurensis</i>					Y																	
Eurasian Hobby <i>Falco subbuteo</i>		(LC)		2	Y											Y	Y	Y	Y			
Peregrine Falcon <i>Falco peregrinus</i>		(LC)		2	(Y)			Y			Y					(Y)	Y					
Chinese Francolin <i>Francolinus pintadeanus</i>					(Y)											Y	Y					
Japanese Quail <i>Coturnix japonica</i>	NT	LC			Y																	
Yellow-legged Buttonquail <i>Turnix tanki</i>					(Y)																	
Slaty-legged Crake <i>Rallina eurizonoides</i>			I													(Y)		(Y)				
Slaty-breasted Rail <i>Gallirallus striatus</i>		RC	R		(Y)																	
Western Water Rail <i>Rallus aquaticus</i>		LC			(Y)																	
Eastern Water Rail <i>Rallus indicus</i>					(Y)					(Y)												
Ruddy-breasted Crake <i>Porzana fusca</i>		LC			Y																	
White-breasted Waterhen <i>Amauornis phoenicurus</i>					Y	Y	Y	Y	Y	Y	Y		Y	Y								
Baillon's Crake <i>Porzana pusilla</i>					(Y)																	
Watercock <i>Gallicrex cinerea</i>		RC			(Y)	(Y)																
Common Moorhen <i>Gallinula chloropus</i>					(Y)	Y		Y	Y	Y												

Species	Conservation and Protection Status				LV <sup>6</sup>	Habitat Type <sup>6</sup>																
	BLI <sup>2</sup>	Fellowes <sup>3</sup>	CRDB <sup>4</sup>	Protection Status in China <sup>5</sup>		WA	DA	PO	MA	MW	DC	MC	NS	SWG	LG	UG	SH	SW	PL/MP	OR	GC	UV
Eurasian Coot <i>Fulica atra</i>		RC			(Y)																	
Pheasant-tailed Jacana <i>Hydrophasianus chirurgus</i>		LC			(Y)																	
Greater Painted-snipe <i>Rostratula benghalensis</i>		LC			Y	Y				Y												
Black-winged Stilt <i>Himantopus himantopus</i>		RC			Y						Y											
Pied Avocet <i>Recurvirostra avosetta</i>		RC			Y						Y											
Oriental Pratincole <i>Glareola maldivarum</i>		LC			Y																Y	
Northern Lapwing <i>Vanellus vanellus</i>		LC			(Y)																	
Grey-headed Lapwing <i>Vanellus cinereus</i>		LC			(Y)																	
Pacific Golden Plover <i>Pluvialis fulva</i>		LC			Y																	
Grey Plover <i>Pluvialis squatarola</i>		RC			(Y)																	
Little Ringed Plover <i>Charadrius dubius</i>		(LC)			Y	Y				Y	Y											
Kentish Plover <i>Charadrius alexandrinus</i>		RC			(Y)																	
Asian Dowitcher <i>Limnodromus semipalmatus</i>	NT	RC	R		(Y)																	
Black-tailed Godwit <i>Limosa limosa</i>	NT	RC	I		(Y)																	
Little Curlew <i>Numenius minutus</i>		LC			(Y)																	
Whimbrel <i>Numenius phaeopus</i>		LC			(Y)																	
Eurasian Curlew <i>Numenius arquata</i>	NT	RC			(Y)																	
Eastern Curlew <i>Numenius madagascariensis</i>	VU	LC			(Y)																	
Spotted Redshank <i>Tringa erythropus</i>		RC			(Y)																	
Common Redshank <i>Tringa totanus</i>		RC			(Y)																	
Marsh Sandpiper <i>Tringa stagnatilis</i>		RC			Y																	
Common Greenshank <i>Tringa nebularia</i>		RC			Y																	
Green Sandpiper <i>Tringa ochropus</i>					Y			Y			Y		Y									
Wood Sandpiper <i>Tringa glareola</i>		LC			Y						Y											
Common Sandpiper <i>Actitis hypoleucos</i>					Y			Y			Y											
Grey-tailed Tattler <i>Tringa brevipes</i>		LC			(Y)																	
Red-necked Phalarope <i>Phalaropus lobatus</i>					(Y)																	
Eurasian Woodcock <i>Scolopax rusticola</i>					Y																	
Swinhoe's Snipe <i>Gallinago megala</i>		LC			Y	Y																
Pintail Snipe <i>Gallinago stenura</i>					Y	Y																
Common Snipe <i>Gallinago gallinago</i>					Y																	
Red-necked Stint <i>Calidris ruficollis</i>		LC			(Y)																	
Temminck's Stint <i>Calidris temminckii</i>		LC			Y																	
Long-toed Stint <i>Calidris subminuta</i>		LC			Y																	

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	BLI <sup>2</sup>	Fellowes <sup>3</sup>	CRDB <sup>4</sup>	Protection Status in China <sup>5</sup>		WA	DA	PO	MA	MW	DC	MC	NS	SWG	LG	UG	SH	SW	PL/MP	OR	GC	UV
Pectoral Sandpiper <i>Calidris melanotos</i>		LC			(Y)																	
Sharp-tailed Sandpiper <i>Calidris acuminata</i>		LC			(Y)																	
Curlew Sandpiper <i>Calidris ferruginea</i>		RC			(Y)																	
Dunlin <i>Calidris alpina</i>		RC			(Y)																	
Broad-billed Sandpiper <i>Limicola falcinellus</i>		LC			(Y)																	
Ruff <i>Philomachus pugnax</i>		LC			(Y)																	
Bridled Tern <i>Onychoprion anaethetus</i>		(LC)			(Y)																	
Whiskered Tern <i>Chlidonias hybrida</i>					(Y)			(Y)														
White-winged Tern <i>Chlidonias leucopterus</i>					(Y)			(Y)														
Domestic Pigeon <i>Columba livia</i>					Y																Y	
Oriental Turtle Dove <i>Streptopelia orientalis</i>					Y		Y	Y										Y	Y		Y	
Eurasian Collared Dove <i>Streptopelia decaocto</i>					Y																	
Red Turtle Dove <i>Streptopelia tranquebarica</i>					Y														Y			
Spotted Dove <i>Streptopelia chinensis</i>					Y	Y	Y	Y	Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
Common Emerald Dove <i>Chalcophaps indica</i>			VU		(Y)													Y				
Yellow-crested Cockatoo <i>Cacatua sulphurea</i>	CE			2	(Y)																	
Rose-ringed Parakeet <i>Psittacula krameri</i>			I	2	(Y)																	
Chestnut-winged Cuckoo <i>Clamator coromandus</i>					(Y)													Y				
Large Hawk Cuckoo <i>Hierococcyx sparveroides</i>					Y													Y	Y		Y	Y
Indian Cuckoo <i>Cuculus micropterus</i>					Y													Y	Y		Y	
Oriental Cuckoo <i>Cuculus optatus</i>					Y																	
Plaintive Cuckoo <i>Cacomantis merulinus</i>					Y	Y	Y	Y	Y									Y	Y		Y	Y
Asian Koel <i>Eudynamis scolopacea</i>					Y		Y												Y		Y	Y
Greater Coucal <i>Centropus sinensis</i>			VU	2	Y										Y	Y	Y					
Lesser Coucal <i>Centropus bengalensis</i>				2	(Y)											Y	Y					
Asian Barred Owlet <i>Glaucidium cuculoides</i>					Y													Y	Y			
Grey Nightjar <i>Caprimulgus jotaka</i>		LC														Y						
Savanna Nightjar <i>Caprimulgus affinis</i>					Y		Y							Y	Y							
Himalayan Swiftlet <i>Aerodramus brevirostris</i>					(Y)																	
White-throated Needletail <i>Hirundapus caudacutus</i>					(Y)																	
Silver-backed Needletail <i>Hirundapus cochinchinensis</i>				2	(Y)											(Y)						
Pacific Swift <i>Apus pacificus</i>		(LC)			(Y)											Y						
House Swift <i>Apus nipalensis</i>					Y			Y							Y	Y						
Oriental Dollarbird <i>Eurystomus orientalis</i>					(Y)												Y	Y	Y			

Species	Conservation and Protection Status				LV <sup>6</sup>	Habitat Type <sup>6</sup>																
	BLI <sup>2</sup>	Fellowes <sup>3</sup>	CRDB <sup>4</sup>	Protection Status in China <sup>5</sup>		WA	DA	PO	MA	MW	DC	MC	NS	SWG	LG	UG	SH	SW	PL/MP	OR	GC	UV
Pied Kingfisher <i>Ceryle rudis</i>		(LC)			Y			Y			Y											
Common Kingfisher <i>Alcedo atthis</i>					Y	Y		Y		Y	Y	Y										
White-throated Kingfisher <i>Halcyon smyrnensis</i>		(LC)			Y	Y	Y	Y	Y	Y		Y							Y			
Black-capped Kingfisher <i>Halcyon pileata</i>		(LC)			(Y)			Y										Y			Y	
Blue-tailed Bee-eater <i>Merops philippinus</i>					(Y)																	
Eurasian Hoopoe <i>Upupa epops</i>					Y																	
Eurasian Wryneck <i>Jynx torquilla</i>					Y																	
Grey-headed Woodpecker <i>Picus canus</i>		LC			(Y)																	
Eurasian Skylark <i>Alauda arvensis</i>					(Y)																	
Oriental Skylark <i>Alauda gulgula</i>		LC			(Y)																	
Grey-throated Martin <i>Riparia chinensis</i>					(Y)																	
Pale Martin <i>Riparia diluta</i>					(Y)																	
Barn Swallow <i>Hirundo rustica</i>					Y	Y		Y		Y											Y	Y
Asian House Martin <i>Delichon dasypus</i>					(Y)																	
Red-rumped Swallow <i>Hirundo daurica</i>					Y																	
Chestnut Munia <i>Lonchura atricapilla</i>					(Y)																	
Forest Wagtail <i>Dendronanthus indicus</i>					(Y)													(Y)				
Eastern Yellow Wagtail <i>Motacilla tschutschensis</i>					Y	Y	Y	Y			Y										Y	
Citrine Wagtail <i>Motacilla citreola</i>		LC			Y	Y																
Grey Wagtail <i>Motacilla cinerea</i>					Y		Y	Y			Y											
White Wagtail <i>Motacilla alba</i>					Y	Y	Y	Y			Y								Y		Y	Y
Richard's Pipit <i>Anthus richardi</i>					Y		Y							Y	Y	Y						
Olive-backed Pipit <i>Anthus hodgsoni</i>					Y	Y	Y	Y											Y	Y	Y	
Red-throated Pipit <i>Anthus cervinus</i>		LC			Y		Y				Y										Y	
Pechora Pipit <i>Anthus gustavi</i>		LC			Y																	
Buff-bellied Pipit <i>Anthus rubescens</i>		LC			Y																	
Black-winged Cuckooshrike <i>Coracina melaschistos</i>																		Y				
Swinhoe's Minivet <i>Pericrocotus cantonensis</i>		LC			(Y)																	
Scarlet Minivet <i>Pericrocotus speciosus</i>					(Y)																	
Red-whiskered Bulbul <i>Pycnonotus jocosus</i>					Y	Y	Y	Y	Y	Y				Y	Y			Y	Y	Y	Y	
Chinese Bulbul <i>Pycnonotus sinensis</i>					Y	Y	Y	Y	Y	Y				Y	Y	Y		Y	Y	Y	Y	
Sooty-headed Bulbul <i>Pycnonotus aurigaster</i>					Y		Y	Y	Y						Y	Y	Y					
Chestnut Bulbul <i>Hypsipetes castanonotus</i>					(Y)													Y				
Black Bulbul <i>Hypsipetes leucocephalus</i>																		Y				

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	BLI <sup>2</sup>	Fellowes <sup>3</sup>	CRDB <sup>4</sup>	Protection Status in China <sup>5</sup>		WA	DA	PO	MA	MW	DC	MC	NS	SWG	LG	UG	SH	SW	PL/MP	OR	GC	UV
Bull-headed Shrike <i>Lanius bucephalus</i>					(Y)	Y	Y															
Brown Shrike <i>Lanius cristatus</i>					Y												Y		Y	Y	Y	
Long-tailed Shrike <i>Lanius schach</i>					Y	Y	Y	Y	Y					Y	Y	Y	Y		Y	Y	Y	Y
Rufous-tailed Robin <i>Luscinia sibilans</i>					(Y)													Y				
Siberian Rubythroat <i>Luscinia calliope</i>					Y										Y	Y	Y	Y				
Bluethroat <i>Luscinia svecica</i>		LC			Y																	
Red-flanked Bluetail <i>Tarsiger cyanurus</i>					(Y)													Y	Y	Y	Y	
Oriental Magpie Robin <i>Copsychus saularis</i>					Y	Y	Y			Y							Y	Y	Y	Y	Y	Y
Daurian Redstart <i>Phoenicurus aureus</i>					Y	Y	Y										Y		Y	Y	Y	Y
Blue Rock Thrush <i>Monticola solitarius</i>					Y												Y					
White's Thrush <i>Zoothera aurea</i>					(Y)																	
Stejneger's Stonechat <i>Saxicola stejnegeri</i>					Y	Y	Y	Y	Y		Y	Y			Y	Y					Y	
Grey Bush Chat <i>Saxicola ferreus</i>		LC			(Y)																	
Japanese Thrush <i>Turdus cardis</i>					(Y)													Y				
Common Blackbird <i>Turdus merula</i>					Y	Y	Y	Y			Y							Y	Y	Y	Y	Y
Brown-headed Thrush <i>Turdus chrysolaus</i>		LC			(Y)																	
Grey-backed Thrush <i>Turdus hortulorum</i>					Y			Y									Y	Y	Y		Y	
Pale Thrush <i>Turdus pallidus</i>					(Y)													Y				
Naumann's Thrush <i>Turdus naumanni</i>		LC			(Y)																	
Dusky Thrush <i>Turdus eunomus</i>					(Y)																Y	
Masked Laughingthrush <i>Garrulax perspicillatus</i>					Y	Y	Y	Y		Y							Y	Y	Y		Y	Y
Chinese Hwamei <i>Garrulax canorus</i>					(Y)											Y	Y					
White-browed Laughingthrush <i>Garrulax sannio</i>					(Y)												Y	Y				
Asian Stubtail <i>Urosphena squameiceps</i>					(Y)													Y				
Manchurian Bush Warbler <i>Cettia canturians</i>					Y												Y				Y	
Brown-flanked Bush Warbler <i>Cettia fortipes</i>																	Y					
Russet Bush Warbler <i>Bradypterus mandelli</i>					(Y)																	
Lanceolated Warbler <i>Locustella lanceolata</i>					Y										Y							
Pallas's Grasshopper Warbler <i>Locustella certhiola</i>		LC			Y	Y																
Middendorff's Grasshopper Warbler <i>Locustella ochotensis</i>					(Y)																	
Black-browed Reed Warbler <i>Acrocephalus bistrigiceps</i>					Y																	
Manchurian Reed Warbler <i>Acrocephalus tangorum</i>					(Y)																	
Paddyfield Warbler <i>Acrocephalus agricola</i>					(Y)																	

Species	Conservation and Protection Status				LV <sup>6</sup>	Habitat Type <sup>6</sup>																
	BLI <sup>2</sup>	Fellowes <sup>3</sup>	CRDB <sup>4</sup>	Protection Status in China <sup>5</sup>		WA	DA	PO	MA	MW	DC	MC	NS	SWG	LG	UG	SH	SW	PL/MP	OR	GC	UV
Oriental Reed Warbler <i>Acrocephalus orientalis</i>					Y	Y																
Zitting Cisticola <i>Cisticola juncidis</i>		LC			Y	Y	Y	Y							Y	Y						
Golden-headed Cisticola <i>Cisticola exilis</i>		LC			Y										Y	Y						
Yellow-bellied Prinia <i>Prinia flaviventris</i>					Y	Y	Y	Y	Y						Y	Y	Y				Y	
Plain Prinia <i>Prinia inornata</i>					Y	Y	Y	Y	Y						Y	Y	Y				Y	
Mountain Tailorbird <i>Orthotomus cuculatus</i>																		(Y)				
Common Tailorbird <i>Orthotomus sutorius</i>					Y												Y	Y	Y	Y	Y	Y
Rufous-capped Babbler <i>Stachyris ruficeps</i>	NT	LC													Y							
Willow Warbler <i>Phylloscopus trochilus</i>					(Y)																	
Dusky Warbler <i>Phylloscopus fuscatus</i>					Y	Y	Y	Y			Y			Y			Y	Y	Y	Y	Y	Y
Radde's Warbler <i>Phylloscopus schwarzi</i>					(Y)																	
Pallas's Leaf Warbler <i>Phylloscopus proregulus</i>					Y													Y	Y	Y	Y	
Yellow-browed Warbler <i>Phylloscopus inornatus</i>					Y													Y	Y	Y	Y	Y
Arctic Warbler <i>Phylloscopus borealis</i>					Y													Y	Y	Y	Y	
Two-barred Warbler <i>Phylloscopus plumbeitarsus</i>					(Y)													(Y)				
Pale-legged Leaf Warbler <i>Phylloscopus tenellipes</i>					(Y)													Y	Y	Y	Y	
Eastern Crowned Warbler <i>Phylloscopus coronatus</i>					(Y)													Y	Y	Y		
Grey-streaked Flycatcher <i>Muscicapa griseisticta</i>					Y																	
Asian Brown Flycatcher <i>Muscicapa dauurica</i>					Y													Y	Y	Y	Y	
Red-throated Flycatcher <i>Ficedula albicilla</i>					Y													Y	Y	Y	Y	
Hainan Blue Flycatcher <i>Cyornis hainanus</i>					(Y)													Y	Y	Y		
Black-naped Monarch <i>Hypothymis azurea</i>					(Y)													Y			Y	
Chinese Penduline Tit <i>Remiz consobrinus</i>		RC			(Y)			(Y)														
Cinereous Tit <i>Parus cinereous</i>					Y			Y										Y	Y	Y	Y	Y
Plain Flowerpecker <i>Dicaeum minullum</i>					(Y)																	
Fire-breasted Flowerpecker <i>Dicaeum ignipectus</i>					Y														Y			
Scarlet-backed Flowerpecker <i>Dicaeum cruentatum</i>					Y													Y			Y	
Fork-tailed Sunbird <i>Aethopyga christinae</i>					(Y)													Y				
Japanese White-eye <i>Zosterops japonicus</i>					Y	Y		Y									Y	Y	Y	Y	Y	
Grey-capped Greenfinch <i>Chloris sinica</i>		LC			(Y)														Y			
Chestnut-eared Bunting <i>Emberiza fucata</i>		LC			Y																	
Little Bunting <i>Emberiza pusilla</i>					Y												Y					
Yellow-browed Bunting <i>Emberiza chrysophrys</i>					(Y)																	
Yellow-breasted Bunting <i>Emberiza aureola</i>	VU	RC			Y																	

Species	Conservation and Protection Status				LV <sup>6</sup>	Habitat Type <sup>6</sup>																
	BLI <sup>2</sup>	Fellowes <sup>3</sup>	CRDB <sup>4</sup>	Protection Status in China <sup>5</sup>		WA	DA	PO	MA	MW	DC	MC	NS	SWG	LG	UG	SH	SW	PL/MP	OR	GC	UV
Chestnut Bunting <i>Emberiza rutila</i>					Y																	
Black-headed Bunting <i>Emberiza melanocephala</i>					(Y)																	
Japanese Yellow Bunting <i>Emberiza sulphurata</i>	VU	GC			Y																	
Black-faced Bunting <i>Emberiza spodocephala</i>					Y		Y							Y	Y	Y			Y			
Common Rosefinch <i>Carpodacus erythrinus</i>		LC			(Y)	(Y)	(Y)															
Chinese Grosbeak <i>Eophona migratoria</i>		LC			Y									Y					Y			
White-rumped Munia <i>Lonchura striata</i>					Y	Y	Y														Y	
Scaly-breasted Munia <i>Lonchura punctulata</i>					Y	Y	Y	Y	Y	Y	Y				Y						Y	
Eurasian Tree Sparrow <i>Passer montanus</i>					Y	Y	Y	Y	Y	Y	Y	Y		Y	Y			Y	Y	Y	Y	Y
Red-billed Starling <i>Sturnus sericeus</i>		GC			Y	Y	Y	Y							Y				Y			Y
Daurian Starling <i>Sturnus sturninus</i>		LC			(Y)																	
Common Starling <i>Sturnus vulgaris</i>		LC			(Y)																	
White-cheeked Starling <i>Sturnus cineraceus</i>		PRC			Y																	
Black-collared Starling <i>Sturnus nigricollis</i>					Y	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y			Y	Y
Chestnut-cheeked Starling <i>Agropsar philippensis</i>					(Y)																	
White-shouldered Starling <i>Sturnus sinensis</i>		(LC)			Y			Y										Y	Y			
Common Myna <i>Acridotheres tristis</i>					Y		Y					Y									Y	Y
Crested Myna <i>Acridotheres cristatellus</i>					Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y			Y	Y	Y	Y
Black-naped Oriole <i>Oriolus chinensis</i>		LC			(Y)														Y		Y	
Black Drongo <i>Dicrurus macrocercus</i>					Y	Y	Y	Y		Y								Y	Y		Y	
Ashy Drongo <i>Dicrurus leucophaeus</i>		LC			(Y)													Y				
Hair-crested Drongo <i>Dicrurus hottentottus</i>					Y			Y										Y	Y			
Asian Paradise-Flycatcher <i>Terpsiphone paradis</i>		LC			(Y)													Y				
Japanese Paradise-Flycatcher <i>Terpsiphone atrocaudata</i>	NT	LC			(Y)													Y				
Eurasian Jay <i>Garrulus glandarius</i>		LC			(Y)																	
Red-billed Blue Magpie <i>Urocissa erythrorhyncha</i>					(Y)														Y			
Grey Treepie <i>Dendrocitta formosae</i>		LC			(Y)													(Y)				
Azure-winged Magpie <i>Cyanopica cyanus</i>					Y																	
Eurasian Magpie <i>Pica pica</i>					Y	Y	Y	Y	Y	Y		Y	Y					Y	Y	Y		Y
Large-billed Crow <i>Corvus macrorhynchos</i>					Y													Y	Y		Y	
Collared Crow <i>Corvus torquatus</i>	NT	LC			Y						Y											
Total number of species					256	45	43	59	22	23	28	12	4	16	28	26	27	62	53	27	52	21

**Note:**

1. Sources:
  - a. Maunsell (2003).



- b. Summary reports of the Bird Monitoring Programme for the Nature Conservation Management for Long Valley 2005-2012:
- Summary Report (for the period of 1<sup>st</sup> December 2005 to 31<sup>st</sup> January 2008).
  - Summary Report – Spring and Summer 2008 (March to August).
  - Summary Report – Autumn 2008 and Winter 2008/2009 (September to February).
  - Summary Report – Spring and Summer 2009 (March to August).
  - Summary Report – Autumn and Winter 2009 – 2010 (September to February).
  - Summary Report – March 2010 to February 2011.
  - Summary Report – March 2011 to February 2012.
- c. Hong Kong Bird Reports
- d. Carey *et al.* (2001)
- e. Surveys undertaken for this Study
- f. Maunsell (1997)
- g. Dudgeon and Corlett (2001)
- h. Binnie, Black and Veatch (2002)
- i. Atkins (2008)
- j. Mott MacDonald (2010)
- k. Arup (2010)
- l. field survey data from Agreement No. CE/2008 (CE). Planning and Engineering Study on Development of Lok Ma Chau Loop - Investigation
2. Conservation Status by BirdLife International (2013): EN = Endangered; CE = Critically Endangered; VU = Vulnerable; NT = Near Threatened.
3. Conservation Status by Fellowes *et al.* (2002): GC = Global Concern; PGC = Potential Global Concern; RC = Regional Concern; PRC = Potential Regional Concern; LC = Local Concern. Letters in brackets represent the assessment bases on restrictedness in breeding and/ or roosting sites rather than in general occurrence.
4. Conservation Status by Wang (1998): EN = Endangered; VU = Vulnerable; R = Rare; I = Indeterminate.
5. Protection Status in China **Error! Hyperlink reference not valid.** (source: <http://monkey.ioz.ac.cn/bwg-cciced/english/cesis/csispage.htm>): 1 = Class I; 2 = Class II.
6. LV = Long Valley; Habitats: WA = Wet Agricultural Land; DA = Dry Agricultural Land; PO = Pond; MA = Marsh; MW = Mitigation Wetland; DC = Major Channelised Watercourse; MC = Minor Channelised Watercourse; NS = Natural Watercourse; SWG = Seasonally Wet Grassland; LG = Lowland Grassland; UG = Upland Grassland; SH = Shrubland; SW = Secondary Woodland/ *Fung Shui* Wood; PL/MP = Plantation/ Mitigation Plantation; OR = Orchard; GC = Golf Course; UV = Urban/Residential Area, Waste Ground and Village Area. Habitat types refer to those used away from Long Valley on a regular basis. Species have been ascribed to habitat types and assessment of regularity of occurrence has been made with reference to the literature cited, surveys conducted under this study and the professional experience of the study team.

**Key:**

- Y = Species recorded regularly utilising this habitat in the Study Area. Except as noted below, habitats where occurrence of a species is irregular or atypical are not shown, as such habitat utilisation is not of significance to the species, and hence to the ecological assessment process.
- (Y) = Species recorded in the Study Area but not recorded regularly in any habitat in the Study Area or, for LV, where a species may be regular elsewhere in the Study Area and has been recorded in LV but is not regular there; habitats shown are those where the species is believed to have occurred.

**Appendix 13.3.2.** Mean number and maximum count of bird species of conservation significance and wetland-dependent species recorded in Long Valley (south and east of the Sheung Yue River) during systematic surveys for this Study.

Species	Conservation Status <sup>1</sup>	Habitat Type <sup>2</sup>								
		WA	DA	PO	MA	MW	CS	NS	PL/MP	VA
Garganey <i>Anas querquedula</i>		0.18(4)								
Eurasian Teal <i>Anas crecca</i>	RC	0.59(6)			0.36(8)	0.05(1)				
Yellow Bittern <i>Ixobrychus sinensis</i>	(LC)				0.09(2)					
Cinnamon Bittern <i>Ixobrychus cinnamomeus</i>	LC	0.09(1)			0.14(2)					
Black-crowned Night Heron <i>Nycticorax nycticorax</i>	(LC)	0.09(2)		0.05(1)						
Chinese Pond Heron <i>Ardeola bacchus</i>	PRC(RC)	8.27(39)	0.86(5)	2(6)	0.86(8)				0.05(1)	
Eastern Cattle Egret <i>Bubulcus coromandus</i>	(LC)	4.73(25)	3.55(27)	0.09(1)						

Species	Conservation Status <sup>1</sup>	Habitat Type <sup>2</sup>								
		WA	DA	PO	MA	MW	CS	NS	PL/MP	VA
Grey Heron <i>Ardea cinerea</i>	PRC	0.36(3)			0.09(1)	0.05(1)	0.14(3)			
Purple Heron <i>Ardea purpurea</i>	RC				0.05(1)					
Great Egret <i>Ardea alba</i>	PRC(RC)	0.14(1)		0.14(3)		0.5(10)				
Intermediate Egret <i>Egretta intermedia</i>	RC	0.23(4)		0.14(2)						
Little Egret <i>Egretta garzetta</i>	PRC(RC)	7.09(30)	0.05(1)	8.23(100)	0.14(2)	4.86(105)	0.09(2)			
Black Kite <i>Milvus migrans</i>	(RC)	0.05(1)	0.05(1)							
Peregrine Falcon <i>Falco peregrinus</i>	(LC)	0.05(1)								
White-breasted Waterhen <i>Amauornis phoenicurus</i>		2.36(11)	0.36(2)	0.09(1)	0.50(3)					
Ruddy-breasted Crake <i>Porzana fusca</i>	LC	0.05(1)								
Common Moorhen <i>Gallinula chloropus</i>		0.09(1)			0.77(5)	0.09(1)				
Black-winged Stilt <i>Himantopus himantopus</i>	RC	5.77(43)	0.09(2)	7.23(33)		0.09(2)				
Pacific Golden Plover <i>Pluvialis fulva</i>	LC			0.09(2)						
Little Ringed Plover <i>Charadrius dubius</i>	(LC)	10.27(62)	0.41(4)	0.14(3)			0.18(4)			
Greater Painted-snipe <i>Rostratula benghalensis</i>	LC	0.95(11)		0.14(2)	8.05(35)	0.59(8)				
Pintail Snipe/Swinhoe's Snipe* <i>Gallinago stenura/megala*</i>	LC*	3.18(19)	0.18(3)	0.27(5)	0.77(6)					
Common Snipe <i>Gallinago gallinago</i>		23.41(94)	0.41(4)	0.95(12)	3.73(14)					
Marsh Sandpiper <i>Tringa stagnatilis</i>	RC	0.09(2)								
Green Sandpiper <i>Tringa ochropus</i>		0.55(3)		0.05(1)			0.23(5)			
Wood Sandpiper <i>Tringa glareola</i>	LC	28.32(119)	0.05(1)	2.09(16)	0.55(6)	0.09(1)				
Common Sandpiper <i>Actitis hypoleucos</i>		0.68(4)		0.18(2)						
Long-toed Stint <i>Calidris subminuta</i>	LC	0.23(5)								
Oriental Pratincole <i>Glareola maldivarum</i>	LC	0.09(2)								
White-throated Kingfisher <i>Halcyon smyrnensis</i>	(LC)	0.64(3)	0.23(2)	0.18(1)	0.05(1)	0.05(1)				
Common Kingfisher <i>Alcedo atthis</i>		0.36(1)		0.05(1)				0.05(1)		
Pied Kingfisher <i>Ceryle rudis</i>	(LC)			0.09(1)						
Collared Crow <i>Corvus torquatus</i>	LC, NT	0.09(2)	0.05(1)							

Species	Conservation Status <sup>1</sup>	Habitat Type <sup>2</sup>								
		WA	DA	PO	MA	MW	CS	NS	PL/MP	VA
Oriental Reed Warbler <i>Acrocephalus orientalis</i>		0.27(5)	0.05(1)		0.18(2)					
Black-browed Reed Warbler <i>Acrocephalus bistrigiceps</i>		0.55(11)			0.32(2)					
Pallas's Grasshopper Warbler <i>Locustella certhiola</i>	LC				0.14(2)					
Zitting Cisticola <i>Cisticola juncidis</i>	LC	0.55(5)	0.86(6)		1.36(10)					
Golden-headed Cisticola <i>Cisticola exilis</i>	LC		0.05(1)							
Red-billed Starling <i>Spodiopsar sericeus</i>	GC	0.58(15)	2.73(40)	1.14(25)						
White-cheeked Starling <i>Spodiopsar cineraceus</i>	PRC	0.05(1)								
White-shouldered Starling <i>Sturnia sinensis</i>	(LC)	0.18(2)	0.09(2)							
Bluethroat <i>Luscinia svecica</i>	LC	0.27(3)			0.32(1)					
Eastern Yellow Wagtail <i>Motacilla tschutschensis</i>		10(70)	2.12(21)	0.14(3)	0.05(1)	0.05(1)				
Citrine Wagtail <i>Motacilla citreola</i>	LC	0.05(1)								
Grey Wagtail <i>Motacilla cinerea</i>		0.18(4)	0.05(1)							
White Wagtail <i>Motacilla alba</i>		1.18(11)	0.14(2)			0.05(1)	0.18(4)			0.18(4)
Red-throated Pipit <i>Anthus cervinus</i>	LC	3(20)	3.09(24)							
Chestnut-eared Bunting <i>Emberiza fucata</i>	LC		0.05(1)							
Yellow-breasted Bunting <i>Emberiza aureola</i>	RC, VU	0.91(12)			0.18(3)					
Black-headed Bunting <i>Emberiza melanocephala</i>			0.05(1)							
<b>Total number of bird species of conservation significance recorded</b>		<b>30</b>	<b>16</b>	<b>15</b>	<b>15</b>	<b>8</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>Total number of wetland-dependent bird species and/or bird species of conservation significance recorded</b>		<b>42</b>	<b>23</b>	<b>21</b>	<b>21</b>	<b>11</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>1</b>

**Note:**

- Conservation status by Fellowes *et al.* (2002): LC = Local Concern; PRC = Potential Regional Concern; RC = Regional Concern; GC = Global Concern. Letters in brackets represent the assessment bases on restrictedness in breeding and/ or roosting sites rather than in general occurrence. Conservation status by BirdLife International (2013): NT = Near Threatened; VU = Vulnerable.
- Habitats: WA = Wet Agricultural Land; DA = Dry Agricultural Land; PO = Pond; MA = Marsh; MW = Mitigation Wetland; CS = Channelised Watercourse; NS = Natural Watercourse; PL/MP = Plantation/Mitigation Plantation; VA = Village Area. No records from the habitat types not listed.

**Key:**

Numbers in bracket represent the maximum number recorded.

\* = Pintail Snipe *Gallinago stenura* and Swinhoe's Snipe *Gallinago megala* cannot be separated in the field; conservation status of Swinhoe's Snipe *Gallinago megala* is Local Concern by Fellowes *et al.* (2002).

**Appendix 13.3.3.** Mean number and maximum count of bird species of conservation significance and wetland-dependent species recorded in Long Valley (north and west of the Sheung Yue River) during systematic surveys for this Study.

Species	Conservation Status <sup>1</sup>	Habitat Type <sup>2</sup>				
		WA	DA	PO	CS	PL/MP
Little Grebe <i>Tachybaptus ruficollis</i>	LC	0.1(1)		0.1(1)		
Black-crowned Night Heron <i>Nycticorax nycticorax</i>	(LC)			0.3(3)		
Chinese Pond Heron <i>Ardeola bacchus</i>	PRC(RC)	0.6(4)	0.2(2)	2.3(8)		
Eastern Cattle Egret <i>Bubulcus coromandus</i>	(LC)	1.7(14)	0.5(5)	0.1(1)		
Grey Heron <i>Ardea cinerea</i>	PRC	0.1(1)		0.5(2)		
Great Egret <i>Ardea alba</i>	PRC(RC)			0.7(6)		
Intermediate Egret <i>Egretta intermedia</i>	RC			0.5(3)		
Little Egret <i>Egretta garzetta</i>	PRC(RC)	0.1(1)		15.4(120)		
Black Kite <i>Milvus migrans</i>	(RC)			0.1(1)		
White-breasted Waterhen <i>Amauornis phoenicurus</i>		0.2(2)				
Common Moorhen <i>Gallinula chloropus</i>					0.1(1)	
Little Ringed Plover <i>Charadrius dubius</i>	(LC)	1.9(19)				
Greater Painted-snipe <i>Rostratula benghalensis</i>	LC	0.1(1)				
Pintail Snipe/Swinhoe's Snipe <i>Gallinago stenura/Gallinago megala*</i>	LC*	0.1(1)				
Green Sandpiper <i>Tringa ochropus</i>		0.8(3)		0.3(2)		
Wood Sandpiper <i>Tringa glareola</i>	LC	2(9)	0.2(2)	0.2(1)		0.1(1)
White-throated Kingfisher <i>Halcyon smyrnensis</i>	(LC)			0.4(1)		
Black-capped Kingfisher <i>Halcyon pileata</i>	(LC)			0.1(1)		
Common Kingfisher <i>Alcedo atthis</i>		0.1(1)		0.2(2)		
Pied Kingfisher <i>Ceryle rudis</i>	(LC)			0.6(2)		
Chinese PendulineTit <i>Remiz consobrinus</i>	RC			0.1(1)		
Zitting Cisticola <i>Cisticola juncidis</i>	LC		0.5(5)	0.1(1)		
Red-billed Starling <i>Spodiopsar sericeus</i>	GC	1.3(12)		0.2(2)		
Eastern Yellow Wagtail		2(12)	1.5(11)	0.3(2)		0.1(1)

Species	Conservation Status <sup>1</sup>	Habitat Type <sup>2</sup>				
		WA	DA	PO	CS	PL/MP
<i>Motacilla tschutschensis</i>						
Grey Wagtail <i>Motacilla cinerea</i>			0.1(1)			
Red-throated Pipit <i>Anthus cervinus</i>	LC		0.6(6)			
Total number of bird species of conservation significance recorded		10	5	16	0	1
Total number of wetland-dependent bird species and/or bird species of conservation significance recorded		14	7	19	1	2

**Note:**

1. Conservation status by Fellowes *et al.* (2002): LC = Local Concern; PRC = Potential Regional Concern; RC = Regional Concern; GC = Global Concern. Letters in brackets represent the assessment bases on restrictedness in breeding and/ or roosting sites rather than in general occurrence.

2. Habitats: WA = Wet Agricultural Land; DA = Dry Agricultural Land; PO = Pond; CS = Channelised Watercourse; PL/MP = Plantation/Mitigation Plantation. No records from the habitat types not listed.

**Key:**

Numbers in brackets represent the maximum recorded.

\* = Pintail Snipe *Gallinago stenura* and Swinhoe's Snipe *Gallinago megala* cannot be separated in the field; conservation status of Swinhoe's Snipe *Gallinago megala* is Local Concern by Fellowes *et al.* (2002).

**Appendix 13.3.4.** Mean number and maximum count of bird species of conservation significance and wetland-dependent species recorded in systematic surveys in the Kwu Tung North NDA (excluding Long Valley and main river channel) and observations during further surveys for this study.

Species	Conservation Status <sup>1</sup>	Habitat Type <sup>2</sup>								
		WA	DA	PO	CS	UG	SH	FSW/SecW	PL/MP	VA
Chinese Spot-billed Duck <i>Anas poecilorhyncha</i>				0.1(1)						
Eurasian Teal <i>Anas crecca</i>	RC			0.3(4)						
Little Grebe <i>Tachybaptus ruficollis</i>	LC			0.2(1)						
Black-crowned Night Heron <i>Nycticorax nycticorax</i>	(LC)			0.3(3)						
Chinese Pond Heron <i>Ardeola bacchus</i>	PRC(RC)	0.5(4)	0.2(2)	3.1(13)						0.1(1)
Eastern Cattle Egret <i>Bubulcus coromandus</i>	(LC)	1.4(14)	0.4(5)	0.1(1)						
Grey Heron <i>Ardea cinerea</i>	PRC			0.6(3)						
Great Egret <i>Ardea alba</i>	PRC(RC)			0.8(6)						
Intermediate Egret <i>Egretta intermedia</i>	RC			0.4(3)						
Little Egret <i>Egretta garzetta</i>	PRC(RC)	0.1(1)		15.5(120)						
Black Kite <i>Milvus migrans</i>	(RC)			0.1(1)			0.2(2)			
Crested Serpent Eagle <i>Spilornis cheela</i>	(LC)							v		
Eurasian Hobby <i>Falco subbuteo</i>	(LC)					v	v			

Species	Conservation Status <sup>1</sup>	Habitat Type <sup>2</sup>								
		WA	DA	PO	CS	UG	SH	FSW/SecW	PL/MP	VA
White-breasted Waterhen <i>Amauromis phoenicurus</i>		0.2(2)		0.2(2)						
Common Moorhen <i>Gallinula chloropus</i>					0.1(1)					
Little Ringed Plover <i>Charadrius dubius</i>	(LC)	1.6(19)								
Greater Painted-snipe <i>Rostratula benghalensis</i>	LC	0.1(1)								
Pintail Snipe/Swinhoe's Snipe* <i>Gallinago stenura/megala</i>	LC*	0.1(1)								
Green Sandpiper <i>Tringa ochropus</i>		0.7(3)		0.3(2)						
Wood Sandpiper <i>Tringa glareola</i>	LC	1.7(9)	0.2(2)	0.2(1)					0.1(1)	
White-throated Kingfisher <i>Halcyon smyrnensis</i>	(LC)			0.5(2)						
Black-capped Kingfisher <i>Halcyon pileata</i>	(LC)							0.1(1)		
Common Kingfisher <i>Alcedo atthis</i>		0.1(1)		0.2(2)						
Pied Kingfisher <i>Ceryle rudis</i>	(LC)			0.5(2)						
Chinese Penduline Tit <i>Remiz consobrinus</i>	RC			0.1(1)						
Zitting Cisticola <i>Cisticola juncidis</i>	LC		0.4(5)	0.1(1)						
Golden-headed Cisticola <i>Cisticola exilis</i>	LC					0.3(3)				
Red-billed Starling <i>Sturnus sericeus</i>	GC	1.1(12)		0.2(2)						0.4(5)
Eastern Yellow Wagtail <i>Motacilla tschutschensis</i>		1.7(12)	1.3(11)	0.3(2)					0.1(1)	
Grey Wagtail <i>Motacilla cinerea</i>			0.1(1)	0.2(2)					0.1(1)	0.1(1)
Red-throated Pipit <i>Anthus cervinus</i>	LC		0.5(6)							
Chinese Grosbeak <i>Eophona migratoria</i>	LC						0.3(3)			
<b>Total number of bird species of conservation significance recorded</b>		<b>8</b>	<b>5</b>	<b>16</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>
<b>Total number of wetland-dependent bird species and/or bird species of conservation significance recorded</b>		<b>12</b>	<b>7</b>	<b>22</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>3</b>

**Note:**

1. Conservation status by Fellowes *et al.* (2002): LC = Local Concern; PRC = Potential Regional Concern; RC = Regional Concern; GC = Global Concern. Letters in brackets represent the assessment bases on restrictedness in breeding and/ or roosting sites rather than in general occurrence.

2. Habitats: WA = Wet Agricultural Land; DA = Dry Agricultural Land; PO = Pond; CS = Channelised Watercourse; UG = Upland Grassland; SH = Shrubland; FSW/SecW = *Fung Shui* Wood/Secondary Woodland; PL/MP = Plantation/Mitigation Plantation; VA = Village Area. No records from the habitat types not listed.

**Key:**

Numbers in bracket represent the maximum number recorded.

Mean not relevant for observations during further surveys.

\* = Pintail Snipe *Gallinago stenura* and Swinhoe's Snipe *Gallinago megala* cannot be separated in the field; conservation status of Swinhoe's Snipe *Gallinago megala* is Local Concern by Fellowes *et al.* (2002).

√ = Observed but not during transect surveys.

**Appendix 13.3.5.** Mean number and maximum count of bird species of conservation significance and wetland-dependent species recorded in systematic surveys in the Fanling North NDA and observations during further surveys for this study (where no mean is shown, observations are from the further surveys).

Species	Conservation Status <sup>1</sup>	Habitat Type <sup>2</sup>																
		WA	DA	PO	MW	CS	NS	LG	UG	SWG	GR/SH	OR	Sec W	PL/MP	VA	WG	UR	OH
Little Grebe <i>Tachybaptus ruficollis</i>	LC			(3)														
Black-crowned Night Heron <i>Nycticorax nycticorax</i>	(LC)		(1)	(2)		0.1 (2)												
Striated Heron <i>Butorides striata</i>	(LC)				(2)													
Chinese Pond Heron <i>Ardeola bacchus</i>	PRC(RC)	0.4 (3)	0.2 (2)	1.1 (5)	1.1 (6)	2.4 (7)					0.1 (1)			0.1 (1)	0.1 (1)			
Eastern Cattle Egret <i>Bubulcus coromandus</i>	(LC)											0.4 (5)						(3)
Grey Heron <i>Ardea cinerea</i>	PRC			0.1 (1)	0.1 (1)	0.3 (3)						(1)						
Great Egret <i>Ardea alba</i>	PRC(RC)			0.2 (1)		0.8 (5)												(79)
Intermediate Egret <i>Egretta intermedia</i>	RC			(1)														
Little Egret <i>Egretta garzetta</i>	PRC(RC)	0.3 (2)	0.2 (2)	4.9 (40)	0.1 (1)	9.5 (43)		(1)				1.0 (12)		0.2 (2)				(1)
Black Kite <i>Milvus migrans</i>	(RC)							0.1 (1)	(1)								0.1 (1)	(2)
Crested Serpent Eagle <i>Spilornis cheela</i>	(LC)								(1)				(1)	0.1 (1)				
Slaty-legged Crake <i>Rallina eurizonoides</i>								(1)					(2)					
Eastern Water Rail <i>Rallus indicus</i>					0.1 (1)													
White-breasted Waterhen <i>Amauornis phoenicurus</i>		0.4 (2)	0.3 (2)	0.5 (2)	1.2 (6)	0.3 (2)	0.19 (1)			0.1 (1)	0.2 (2)	0.1 (1)						
Common Moorhen <i>Gallinula chloropus</i>					0.1 (1)													
Little Ringed Plover <i>Charadrius dubius</i>	(LC)					8.8 (51)												
Greater Painted-snipe <i>Rostratula benghalensis</i>	LC					(1)												
Common Snipe <i>Gallinago gallinago</i>					0.1 (1)													
Green Sandpiper <i>Tringa ochropus</i>				0.1 (1)		2.0 (9)	0.2 (1)									0.1 (1)		
Wood Sandpiper <i>Tringa glareola</i>	LC					0.2 (4)												
Common Sandpiper <i>Actitis hypoleucos</i>						1.8 (13)												
Long-toed Stint <i>Calidris subminuta</i>	LC					(1)												
Grey Nightjar <i>Caprimulgus jotaka</i>	LC								(1)									

Species	Conservation Status <sup>1</sup>	Habitat Type <sup>2</sup>																
		WA	DA	PO	MW	CS	NS	LG	UG	SWG	GR/SH	OR	Sec W	PL/MP	VA	WG	UR	OH
White-throated Kingfisher <i>Halcyon smyrnensis</i>	(LC)	0.1 (1)	0.1 (1)	0.1 (1)	0.3 (2)	0.4 (3)			(1)					0.1 (1)				
Common Kingfisher <i>Alcedo atthis</i>				0.1 (1)	0.8 (3)	2.4 (4)	0.2 (1)											
Pied Kingfisher <i>Ceryle rudis</i>	(LC)				(1)	0.3 (3)												
Collared Crow <i>Corvus torquatus</i>	LC, NT					0.1 (1)												
Oriental Reed Warbler <i>Acrocephalus orientalis</i>					(1)													
Zitting Cisticola <i>Cisticola juncidis</i>	LC	0.1 (1)									0.1 (1)							
Rufous-capped Babbler <i>Stachyridopsis ruficeps</i>	LC, NT							(1)										
Red-billed Starling <i>Spodiopsar sericeus</i>	GC	0.3 (3)	3.7 (40)	2.8 (29)							2.4 (29)			2.5 (30)				
White-shouldered Starling <i>Sturnia sinensis</i>	(LC)		(2)															
Eastern Yellow Wagtail <i>Motacilla tschutschensis</i>		0.1 (1)				0.1 (1)												
Grey Wagtail <i>Motacilla cinerea</i>			(1)			0.4 (6)									0.1 (2)			
White Wagtail <i>Motacilla alba</i>			(2)			(4)								(1)	(3)		(1)	
Red-throated Pipit <i>Anthus cervinus</i>	LC					0.1 (1)												
Chinese Grosbeak <i>Eophona migratoria</i>	LC													0.5 (6)	(3)			
<b>Total number of bird species of conservation significance recorded</b>		<b>5</b>	<b>6</b>	<b>9</b>	<b>6</b>	<b>13</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>4</b>
<b>Total number of wetland-dependent bird species and/or bird species of conservation significance recorded</b>		<b>7</b>	<b>9</b>	<b>12</b>	<b>12</b>	<b>20</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>4</b>

**Note:**

- Conservation status by Fellowes *et al.* (2002): LC = Local Concern; PRC = Potential Regional Concern; RC = Regional Concern; GC = Global Concern. Letters in brackets represent the assessment bases on restrictedness in breeding and/ or roosting sites rather than in general occurrence. Conservation status by BirdLife International (2013): NT = Near Threatened; VU = Vulnerable. Conservation status by China Red Data Book (Wang, 1998): I = Indeterminate.
- Habitats: WA = Wet Agricultural Land; DA = Dry Agricultural Land; PO = Pond; MW = Mitigation Wetland; CS = Channelised Watercourse; NS = Natural Watercourse; LG = Lowland Grassland; UG = Upland Grassland; SWG = Seasonally Wet Grassland; GR/SH = Grassland/Shrubland; OR = Orchard; SecW = Secondary Woodland; PL/MP = Plantation/Mitigation Plantation; VA = Village Area; WG= Wasteground; UR = Urban/Residential Area; OH = Overhead. No records from the habitat types not listed.

**Key:**

Numbers in brackets represent the maximum number recorded.

Mean not relevant for observations during further surveys.

\* = Pintail Snipe *Gallinago stenura* and Swinhoe's Snipe *Gallinago megala* cannot be separated in the field; conservation status of Swinhoe's Snipe *Gallinago megala* is Local Concern.



**Appendix 13.3.6.** Peak monthly counts of wetland-associated bird species recorded in the tidal section of the Sheung Yue River, Kwu Tung North during August 2008 to June 2009.

Species	2008					2009					
	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Eurasian Teal <i>Anas crecca</i>	0	0	0	3	0	0	0	0	0	0	0
Black-crowned Night Heron <i>Nycticorax nycticorax</i>	1	0	0	0	0	0	0	0	0	1	1
Striated Heron <i>Butorides striatus</i>	0	0	0	0	0	0	0	0	1	0	0
Chinese Pond Heron <i>Ardeola bacchus</i>	6	1	9	2	1	1	1	1	3	2	5
Eastern Cattle Egret <i>Bubulcus coromandus</i>	0	0	0	0	0	0	7	1	0	0	0
Grey Heron <i>Ardea cinerea</i>	0	5	9	17	27	12	19	11	0	1	0
Great Egret <i>Egretta alba</i>	6	4	7	2	2	0	2	2	0	1	4
Intermediate Egret <i>Egretta intermedia</i>	0	1	0	0	0	0	0	0	0	0	0
Little Egret <i>Egretta garzetta</i>	55	83	92	2	48	2	35	18	66	40	43
White-breasted Waterhen <i>Amaurornis phoenicurus</i>	0	0	0	1	0	0	0	0	0	0	1
Pacific Golden Plover <i>Pluvialis fulva</i>	0	0	0	0	0	0	0	0	3	0	0
Little Ringed Plover <i>Charadrius dubius</i>	16	15	14	15	2	19	23	13	1	1	0
Pintail/Swinhoe's Snipe * <i>Gallinago stenura/megala</i> *	0	0	0	0	0	0	0	0	1	0	0
Common Snipe <i>Gallinago gallinago</i>	0	0	0	0	0	0	1	0	0	0	0
Common Greenshank <i>Tringa nebularia</i>	0	2	0	0	0	2	0	0	0	0	0
Green Sandpiper <i>Tringa ochropus</i>	8	7	9	4	7	11	7	12	5	0	0
Wood Sandpiper <i>Tringa glareola</i>	2	0	5	0	1	2	2	0	0	0	0
Common Sandpiper <i>Actitis hypoleucos</i>	6	9	4	4	4	5	3	7	8	2	0
Temminck's Stint <i>Calidris temminckii</i>	0	0	0	0	0	0	0	5	0	0	0

Species	2008					2009					
	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
White-throated Kingfisher <i>Halcyon smyrnensis</i>	2	0	1	1	1	0	2	0	0	0	0
Common Kingfisher <i>Alcedo atthis</i>	1	4	3	2	1	2	1	1	1	2	0
Pied Kingfisher <i>Ceryle rudis</i>	0	0	2	0	1	1	2	0	0	0	0
Collared Crow <i>Corvus torquatus</i>	0	0	2	0	0	0	0	0	0	0	0
Eastern Yellow Wagtail <i>Motacilla flava</i>	0	0	0	1	2	3	3	2	3	0	0
Grey Wagtail <i>Motacilla cinerea</i>	0	1	0	2	7	2	3	2	0	0	0
White Wagtail <i>Motacilla alba</i>	15	8	14	17	19	17	19	15	0	0	0
Red-throated Pipit <i>Anthus cervinus</i>	0	0	0	0	0	0	1	0	0	0	0

**Key:**

\* = Pintail Snipe *Gallinago stenura* and Swinhoe's Snipe *Gallinago megala* cannot be separated in the field.

**Appendix 13.3.7.** Peak monthly counts of wetland-associated bird species recorded in the non-tidal section of Ng Tung River, Fanling North during July 2008 to June 2009.

Species	2008						2009					
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Black-crowned Night Heron <i>Nycticorax nycticorax</i>	0	0	0	0	0	0	0	0	0	1	0	0
Chinese Pond Heron <i>Ardeola bacchus</i>	0	2	0	3	1	6	2	2	5	0	6	2
Grey Heron <i>Ardea cinerea</i>	0	0	0	0	3	0	0	0	0	0	0	0
Great Egret <i>Ardea alba</i>	0	0	0	1	0	0	5	0	3	2	2	0
Little Egret <i>Egretta garzetta</i>	0	1	11	10	8	4	4	5	43	2	25	2
White-breasted Waterhen <i>Amaurornis phoenicurus</i>	0	0	0	0	2	0	0	0	1	0	0	0
Little Ringed Plover <i>Charadrius dubius</i>	0	0	6	51	42	0	6	0	0	0	0	0
Green Sandpiper <i>Tringa ochropus</i>	0	1	3	9	4	0	1	3	3	0	0	0
Wood Sandpiper <i>Tringa glareola</i>	0	0	0	0	0	0	0	0	2	0	0	0
Common Sandpiper <i>Actitis hypoleucos</i>	0	4	3	5	4	1	0	1	3	0	0	0

Species	2008						2009					
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
White-throated Kingfisher <i>Halcyon smyrnensis</i>	0	3	0	0	0	0	3	0	0	0	1	0
Common Kingfisher <i>Alcedo atthis</i>	0	0	4	0	0	0	1	2	4	2	1	0
Pied Kingfisher <i>Ceryle rudis</i>	0	0	0	0	0	0	0	0	0	0	3	0
Collared Crow <i>Corvus torquatus</i>	0	0	0	1	0	0	0	0	0	0	0	0
Eastern Yellow Wagtail <i>Motacilla tschutschensis</i>	0	0	0	1	0	0	0	0	0	0	0	0
Grey Wagtail <i>Motacilla cinerea</i>	0	0	0	1	0	0	1	0	1	0	0	0
White Wagtail <i>Motacilla alba</i>	0	5	3	18	23	0	13	1	8	2	0	2

**Appendix 13.3.8.** Peak monthly counts of wetland-associated bird species recorded in the tidal section of Ng Tung River/Shek Sheung River in Kwu Tung North during July 2008 to June 2009.

Species	2008						2009					
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Black-crowned Night Heron <i>Nycticorax nycticorax</i>	0	0	1	1	0	0	0	0	0	0	0	0
Chinese Pond Heron <i>Ardeola bacchus</i>	6	0	1	0	0	0	0	0	0	0	0	0
Grey Heron <i>Ardea cinerea</i>	0	0	0	0	0	1	0	0	0	0	0	0
Little Egret <i>Egretta garzetta</i>	3	0	5	0	0	2	0	0	0	0	0	0
Common Moorhen <i>Gallinula chloropus</i>	0	0	0	0	0	0	0	1	0	0	0	0
Little Ringed Plover <i>Charadrius dubius</i>	0	0	0	0	0	4	0	0	0	0	0	0
Green Sandpiper <i>Tringa ochropus</i>	0	0	0	0	0	5	0	0	0	0	0	0
Wood Sandpiper <i>Tringa glareola</i>	0	0	0	0	0	0	1	0	0	0	0	0
Black-capped Kingfisher <i>Halcyon pileata</i>	0	0	1	0	0	0	0	0	0	0	0	0
Eastern Yellow Wagtail <i>Motacilla tschutschensis</i>	0	0	0	0	0	0	1	0	0	0	0	0
White Wagtail <i>Motacilla alba</i>	0	0	0	0	0	4	0	0	0	0	0	0