

APPENDIX 7 ECOLOGY FIELD DATA

Site 1 – Ngau Hom Shek Shoreline (Point Count)

Site 1 – Low Tide	2000			
Date	14 Jan	15 Jan	11 Apr	12 Apr
	No.	No.	No.	No.
Species				
Great Crested Grebe	11	1		
Great Cormorant	6	10		
Chinese Pond Heron	2	1	1	3
Little Egret	25	27	14	18
Great Egret	5	13	1	2
Grey Heron	1	2		
Osprey	1	1	1	
Great Knot				1
Bar-tailed Godwit				3
Common Redshank				2
Green Sandpiper	1		2	2
Common Sandpiper				1
Gull-billed Tern			9	
Greater Coucal	1			
White-throated Kingfisher	1	1		
Black-capped Kingfisher	2	1		2
Common Kingfisher	1	1		
Collared Crow	2			

January 14th 2000/1015-1100 hours/warm, cloudy, poor visibility/Low Tide at Tsim Bei Tsui at 1007 hours (0.5m).

January 15th 2000/1100-1145 hours/hot, sunny, northeasterly breeze, good visibility/Low Tide at Tsim Bei Tsui at 1053 (0.7m).

April 11th 2000/1000-1045 hours/hot, sunny, easterly breeze, fairly good visibility/Low Tide at Tsim Bei Tsui at 0850 (1.3m). Very little mud exposed (c 3m here and there).

April 12th 2000/1000-1045 hours/hot, sunny, easterly breeze, fairly good visibility/Low Tide at Tsim Bei Tsui at 1012 (1.4m). 3-4 m mid exposed at edge of mangroves.

Site 1 – High Tide				
Date	19 Jan	20 Jan	4 Apr	5 Apr
	No.	No.	No.	No.
Species				
Great Crested Grebe	16	26		
Great Cormorant	2	1		
Chinese Pond Heron	4		3	1
Little Egret	4	10	3	3
Great Egret	2	4		
Grey Heron		2		
Black Kite	1		1	
Osprey		1	1	1
Eurasian Curlew	6	4		
Common Redshank			1	
Green Sandpiper		1		
Common Sandpiper			2	1
Oriental Turtle Dove				1
White-throated Kingfisher	1	4	2	2
Black-capped Kingfisher			1	1
Common Kingfisher		1	2	2
Pied Kingfisher			2	
Barn Swallow	1		c100	3
Red-rumped Swallow			2	
Chinese Bulbul		2	5	2
Oriental Magpie Robin			2	1
Yellow-bellied Prinia			1	
Dusky Warbler		1		1
Japanese White-eye	2	2	2	2
Large-billed Crow	2			
Collared Crow	2			
Red-billed Starling	2	21		
White-cheeked Starling	3			
Crested Myna			2	

January 19th 2000/1000-1045 hours/cool, sunny, northerly breeze, good visibility/High Tide at Tsim Bei Tsui at 1002 (1.5m/5-25m of mud still exposed at edge of mangroves at high tide).

January 20th 2000/1000-1045 hours/cool, sunny, east-northeast breeze, good visibility/High Tide at Tsim Bei Tsui at 1054 (1.6m/a few m of mud still exposed in places at edge of mangroves at high tide).

April 4th 2000/1000-1045 hours/warm, dry, calm, poor visibility/High Tide at Tsim Bei Tsui at 1043 (2.0m/no mud exposed at edge of mangroves at high tide).

April 5th 2000/1000-1045 hours/warm, dry, northeasterly breeze, good visibility/High Tide at Tsim Bei Tsui at 1103 (2.2m/no mud exposed at edge of mangroves at high tide).

Note: the northward passage of Barn Swallows along the Deep Bay coastline of the Tsim Bei Tsui peninsula on the morning of April 4th accounted for the high count made that day.

Transect 1 – Ngau Hom Shek Hillside and Shoreline Farm

Transect 1				
Date	19 Jan	20 Jan	4 Apr	5 Apr
	No.	No.	No.	No.
<i>Species</i>				
Chinese Pond Heron	1	1	3	2
Cattle Egret	1		4	1
Little Egret			29	25
Great Egret	1			
Grey Heron	1	1		
Black Kite		4	2	
Common Buzzard	2			
Common Kestrel	1			
Peregrine Falcon	1			
Chinese Francolin			1	
White-breasted Waterhen	1		2	1
Common Moorhen	1		1	
Green Sandpiper		1		
Oriental Turtle Dove				1
Spotted Dove	5	4	6	7
Large Hawk Cuckoo			1	1
Plaintive Cuckoo				1
Common Koel			1	1
Lesser Coucal			2	
White-throated Kingfisher			2	
Barn Swallow		1	3	7
Olive-backed Pipit	1		2	
White Wagtail	1	2		
Red-whiskered Bulbul	4	4	4	3
Chinese Bulbul	2	2	5	4
Sooty-headed Bulbul		2		6
Oriental Magpie Robin		1	2	1
Yellow-bellied Prinia	2	3	2	2
Common Tailorbird	2	2	1	1
Yellow-browed Warbler		1	1	
Dusky Warbler		1		
Masked Laughing-thrush		3+	4	5+
Great Tit	1	1		
Japanese White-eye	7	10	2	
Long-tailed Shrike	2			1
Common Magpie	1	2	1	2
Large-billed Crow	2	1		
Black-collared Starling	2		2	
Crested Myna	2	2	2	4
Eurasian Tree Sparrow		5+	2	8
Black-faced Bunting		1	2	

January 19th 2000/0915-1000 hours/cool, sunny, northerly breeze.
 January 20th 2000/0915-1000 hours/cool, sunny, east-northeast breeze.
 April 4th 2000/0830-0915 hours/warm, dry, cloudy, calm.
 April 5th 2000/0830-0915 hours/warm, dry, cloudy, northeasterly breeze.

On non-survey days the following additional species were observed while recording birds along the shoreline:

Jan 14th – Common Buzzard (1 in tree along shore), Barn Swallow (1 flying past), Red-billed Starling (2 in tree along shore).
Jan 15th – Crested Serpent Eagle (1 over hillsides inland), Red-billed Starling (1 in tree along shore), White-cheeked Starling (1 in tree along shore).

Transect 2 – Ling To Monastery Valley

Transect 2				
Date	14 Jan	15 Jan	11 Apr	12 Apr
	No.	No.	No.	No.
Species				
Chinese Pond Heron			1	
Black Kite	1	1	1	
Crested Serpent Eagle			1	2
Crested Goshawk			3	1
Chinese Goshawk				31
Common Kestrel		1		
Chinese Francolin			1	1
White-breasted Waterhen			1	1
Oriental Turtle Dove	1		1	
Spotted Dove	2	1	1	2
Emerald Dove			1	
Chestnut-winged Cuckoo			1	1
Lesser Coucal			1	1
Little Swift			2	10
White-throated Kingfisher			1	
Barn Swallow				2
Olive-backed Pipit	4			
Grey Wagtail	1			
White Wagtail	1	1		
Red-whiskered Bulbul	11	5	30+	20+
Chinese Bulbul		6	3	2
Oriental Magpie Robin			1	2
Common Stonechat		1		
Yellow-bellied Prinia	3		5	4
Japanese Bush-Warbler	1			
Common Tailorbird	4	6	5	5
Yellow-browed Warbler	2	2	1	1
Dusky Warbler	2			
Masked Laughing-thrush	2		7+	2+
Great Tit	2	2		
Fork-tailed Sunbird		2	1	
Scarlet-backed Flowerpecker				1
Japanese White-eye	4	4		1
Brown Shrike			1	
Long-tailed Shrike		1		
Hair-crested Drongo			2	
Blue Magpie	1			
Large-billed Crow			2	1
Scaly-breasted Munia		8		
Black-faced Bunting	2		1	

January 14th 2000/0840-0925 hours/warm, cloudy.

January 15th 2000/0900-0945 hours/hot, sunny, northeasterly breeze.

April 11th 2000/0830-0915 hours/hot, sunny, easterly breeze.

April 12th 2000/0830-0915 hours/hot, sunny spells, easterly breeze.

Transect 3 – Ling To Monastery Road

Transect 3				
Date	14 Jan	15 Jan	11 Apr	12 Apr
	No.	No.	No.	No.
Species				
Little Grebe			2	2
Black-crowned Night-Heron			1	
Chinese Pond Heron	3	6	2	1
Black Kite	2			
Chinese Goshawk				1
Chinese Francolin				1
White-breasted Waterhen	3			
Common Moorhen	2	1	1	1
Green Sandpiper	1	1		
Oriental Turtle Dove			1	
Spotted Dove	9	5	1	2
Large Hawk Cuckoo			1	1
Plaintive Cuckoo			1	1
Common Koel			2	3
Greater Coucal	1		1	1
Lesser Coucal			1	1
Common Kingfisher	1			1
Olive-backed Pipit	4	5	1	5
Grey Wagtail	2			
White Wagtail	1	5		
Red-whiskered Bulbul	2	9	4	2
Chinese Bulbul	8	6		2
Sooty-headed Bulbul			2	
Oriental Magpie Robin	2	8	2	7
Common Stonechat		2		
Grey-backed Thrush		1		
Yellow-bellied Prinia	2		1	3
Common Tailorbird	2	5	3	4
Yellow-browed Warbler	2	1	1	1
Dusky Warbler	4	2		1
Masked Laughing-thrush	4	3+	4+	4+
Black-throated Tit	2			
Great Tit	1		2	2
Fork-tailed Sunbird		1		
Scarlet-backed Flowerpecker		2		
Japanese White-eye	4	7	2	1
Long-tailed Shrike	1	2	1	1
Common Magpie	2			2
Large-billed Crow	2			
Red-billed Starling		1		
Black-collared Starling	1	2	2	2
Crested Myna	2	6	2	

January 14th 2000/0745-0830 hours/warm, cloudy.

January 15th 2000/0800-0845 hours/hot, sunny, northeasterly breeze.

April 11th 2000/0745-0830 hours/hot, sunny, easterly breeze.

April 12th 2000/0745-0830 hours/hot, sunny spells, easterly breeze.

Transect 4 – San Sang San Tsuen

Transect 4				
Date	14 Jan	15 Jan	11 Apr	12 Apr
	No.	No.	No.	No.
Species				
Chinese Pond Heron	2	2	1	2
Little Egret	1			
Black Kite			1	1
Crested Goshawk	1			
Chinese Francolin			1	1
White-breasted Waterhen	1	2		1
Oriental Turtle Dove			4	1
Spotted Dove	1	3	4	2
Large Hawk-Cuckoo			1	1
Common Koel			2	1
Greater Coucal				1
Lesser Coucal			1	1
White-throated Kingfisher				1
Barn Swallow			3	3
Olive-backed Pipit	2	3	2	1
Grey Wagtail		1		
White Wagtail	3			
Red-whiskered Bulbul			4	4
Chinese Bulbul	2	2	6	2
Sooty-headed Bulbul		1		2
Oriental Magpie Robin	2	2	3	4
Common Stonechat			2	
Grey-backed Thrush	1	1-2		
Yellow-bellied Prinia	1	3	1	1
Japanese Bush-Warbler		2		
Common Tailorbird	1	2	2	2
Yellow-browed Warbler	1	2	1	1
Dusky Warbler	3	3	1	1
Asian Brown Flycatcher				1
Masked Laughing-thrush	10+	2+	4	2+
Great Tit			1	
Japanese White-eye	2		2	2
Long-tailed Shrike		1		
Common Magpie			2	1
Large-billed Crow			2	
Black-collared Starling			1	
Eurasian Tree Sparrow	12+	8	32	38
Scaly-breasted Munia			2	

January 14th 2000/0645-0730 hours/Warm, cloudy.

January 15th 2000/0700-0745 hours/Hot, sunny, northeasterly breeze.

April 11th 2000/0645-0730 hours/hot, sunny, easterly breeze. Willows cut.

April 12th 2000/0645-0730 hours/hot, sunny spells, easterly breeze.

Transect 5 – Yick Yuen Tsuen

Transect 5				
Date	19 Jan	20 Jan	4 Apr	5 Apr
	No.	No.	No.	No.
Species				
Chinese Pond Heron	2	7	1	3
Common Buzzard		1		
Chinese Francolin			1	
White-breasted Waterhen	5	5	5	2
Spotted Dove	4	4	8	7
Large Hawk Cuckoo			1	
Common Koel			1	
Greater Coucal		1	1	2
Asian Barred Owlet			1	1
White-throated Kingfisher			1	
Barn Swallow			3	2
Olive-backed Pipit	16	8	4	5
Grey Wagtail	1	2		1
White Wagtail	3	1	2	1
Red-whiskered Bulbul	2	4	3	3
Chinese Bulbul	4	3	2	5
Oriental Magpie Robin	1	2	5	6
Common Blackbird		1		
Yellow-bellied Prinia		1	3	2
Brownish-flanked Bush Warbler	2	2		
Common Tailorbird	1	2	2	1
Dusky Warbler	2	2	2	3
Scarlet-backed Flowerpecker	1			
Japanese White-eye	8	10		
Long-tailed Shrike	2	2		
Large-billed Crow				1
Collared Crow	1			
Red-billed Starling	7	24		
Black-collared Starling	10	17		3
Crested Myna	10	16		
Eurasian Tree Sparrow	9	17	10	12
Scaly-breasted Munia	7		12	

January 19th 2000/0745-0830 hours/cool, sunny, northerly breeze.

January 20th 2000/0800-0845 hours/cool, sunny, east-northeast breeze.

April 4th 2000/0715-0800 hours/warm, dry, cloudy, calm.

April 5th 2000/0715-0800 hours/warm, dry, cloudy, northeasterly breeze.

Transect 6 – Woodland Near Lo Fu Hang

Transect 6				
Date	10 Jan	20 Jan	4 Apr	5 Apr
	No.	No.	No.	No.
Species				
Emerald Dove			2	
Plaintive Cuckoo				1
Common Koel				1
Red-whiskered Bulbul	20+	4	2	1
Chinese Bulbul	5+			
Oriental Magpie Robin			3	5
Grey-backed Thrush	1-2	1		
Common Tailorbird	2	1	1	1
Yellow-browed Warbler	1	1	1	1
Masked Laughing-thrush	2+	3+	4	2+
Great Tit	2			1
Japanese White-eye	6	3	2	2
Large-billed Crow				2

January 19th 2000/0645-0730 hours/cool, sunny, northerly breeze.

January 20th 2000/0645-0730hours/cool, sunny, east-northeast breeze.

April 4th 2000/0615-0700 hours/warm, dry, cloudy, calm.

April 5th 2000/0615-0700 hours/warm, dry, cloudy, northeasterly breeze.

Additional Bird Species Recorded in the Study Area During the General Habitat Survey

Date	Species	Location	Number
1.5.00	Indian Cuckoo	Hills south of Ngau Hom Shek	2+
13.11.99	Asian Barred Owlet	Hills south of Ngau Hom Shek	1
1.5.00	Dollarbird	Hills south of Ngau Hom Shek	3
13.11.99, 1.5.00	Black Drongo	Hills south of Ngau Hom Shek	2+
5.5.00	Grey-streaked Flycatcher	Hills above Lam Tei Reservoir	1

Table 7.5. Data sheet of epi-faun collected on mudflat at Ngau Hom Shek.																											
(February and April 2000)																											
Taxa / observation		(Quadrat sampling)																				(Plot sampling)					
		/Quadrat		1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	1	1	2	2
/Month		Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr		
Mollusc																											
Batillaria sp.					1	2			5					2	3		1										
Cerithidea cingulata		1	2			3																					
Cerithidea rhizophorarum		2						1	1																		
Clithon oualaniensis			2	1																							
Nerita yoldii		4	1			1			3						1												
Nerita lineata				2							1										1						
Nerita undata		1				1																					
Neritina violacea							1																				
Potamididare cerithiden					1																						
Thais carinifera		1																									
Terebralia sulcata		1			2					1																	
Saccostrea cucullata		2		1	1	1						1															
Crustacean																											
Clibanarius spp.		2	1					3		1											1						
Clistocoeloma merguense						1																					
Chiromanthes sp.		1																									
Pinnotheres sinense				1			1					1															
Fish and crab counting																											
Periophthalmus sp.																											
crab																											
Animal hole		7	10	5	7	2	5	5	6	11	7	3	3	2	3	7	5	4	8	2	3	56	58	42	51	30	32
Number of individuals		15	6	5	5	9	2	4	9	2	1	1	1	0	2	4	0	1	0	2	0	11	24	3	32	2	20
Number of species		9	4	4	4	6	2	2	3	2	1	1	1	0	1	2	0	1	0	2	0	-	-	-	-	-	-
Density (no. of indiv./sq.m.)		15	6	5	5	9	2	4	9	2	1	1	1	0	2	4	0	1	0	2	0	0.4	1	0.1	1.3	0.1	0.8
File: d:/0chec/11/111-t7-5-epibenthos-2.xls																											

Table 7.11. Results of Stream Fauna Survey in February and April 2000.

	Stream code	S1	S1	S1	S1	S3	S3	S3	S3	S3	S3	S4	S4	S5	S5		
	Sampling month	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Feb	Apr	Row	
Faunal Group	Taxa \ Sampling site	I	I	R	R	la	la	lb	lb	R	R	R	R	R	R	Total	
Mollusk	Melanoides tuberculata															2	2
	Physella acuta					8	2	16	8								34
	Radix plicatulus							4	3								7
	Biomphalaria straminea					13	4	6	1								24
	Pomacea lineata					1		2	2								5
	Brotia hainanensis									8	2	2		5	7		24
Crustacea	Macrobrachium hainanense									1							1
	Caridina contonensis	85	101	16	92	3	5	5	19	37	24	14	2	33	5		441
	Cryptopotamon anacoluthon									12	6			2	4		24
	Somaniathelphusa zanklon		2														2
Insecta																	
Ephemeroptera	Paegniodes cupulatum															12	12
	Choroerpes sp.									1		1		4			6
	Baetis sp.			1						2		2				5	10
	Indobaetis sp.													2			2
	Electrogena sp.									2		5		3	1		11
	Caenis sp.							2		3		2					7
Plecoptera	Perla sp.											1					1
Odonata	Euphaea decorata													1			1
	c.f. Prodasineura autumnalis			1													1
	c.f. Anax imaculifrons													1			1
	Zygonyx iris			6										1			7
Trichoptera	Cheumatopsyche sp.													1			1
Hemiptera	Gerris sp.			2				1				4		2	1		10
	c.f. Beunoa sp.							7				1					8
	c.f. Microvelia sp.			1								1					2
Coleoptera	Psephenoides sp.									1		2		1			4
Diptera	Orthorcladinae			5		3		2		4		4		2	3		23
	Tanipodinae			2						1							3
	Chironomus sp.			1				3							2		6
	Tipula sp.					2											2
	Simulium sp.							1									1
Fish	Poecilia reticulata	32		11		6											49
	No of individuals	117	103	46	92	36	11	49	33	72	39	32	2	58	42		732
	No of taxa	2	2	10	1	7	3	11	5	11	7	8	1	13	10		32

Appendix
Preliminary Survey Data
from SWC EIA

APPENDIX B

**Bird species and their
abundance in
Systematic Point
Counts in Ngau Hom
Shek Shrublands**

Common name	Latin name	Late breeding season	Autumn migration season	Winter season	Spring migration season	Commonness and distribution
Crested Serpent Eagle	<i>Spilornis cheela</i>	1				R
Black-eared Kite	<i>Milvus lineatus</i>			1		CW
White-breasted Waterhen	<i>Amauromis phoenicurus</i>	1				CW
Spotted Dove	<i>Streptopelia chinensis</i>	4	3		2	CW
Barn Swallow	<i>Hirundo rustica</i>	1				CW
Olive-backed Pipit	<i>Anthus hodgsoni</i>		2			CW
Chinese Bulbul	<i>Pycnonotus sinensis</i>	4	4	13	10	CW
Crested Bulbul	<i>Pycnonotus jocosus</i>	6	4	6	9	CW
Red-vented Bulbul	<i>Pycnonotus aurigaster</i>			1		CW
Siberian Rubythroat	<i>Luscinia calliope</i>			1		CL
Daurian Redstart	<i>Phoenicurus aureus</i>			1		CL
Magpie Robin	<i>Copsychus saularis</i>	1			1	CW
Grey-backed Thrush	<i>Turdus hortulorum</i>			2		CL
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	3		2		CW
Common Tailorbird	<i>Orthotomus sutorius</i>	7	1	2	1	CW
Pallas's Warbler	<i>Phylloscopus proregulus</i>			1		CL
Yellow-browed Warbler	<i>Phylloscopus inornata</i>			1		CW
Arctic Warbler	<i>Phylloscopus borealis</i>	3				CL
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	2				CL
Black-faced Laughingthrush	<i>Garrulax perspicillatus</i>			5	9	CW
Fork-tailed Sunbird	<i>Aethopyga christinae</i>				1	CL
Japanese White-eye	<i>Zosterops japonica</i>	14	11	6	2	CW
Rufous-backed Shrike	<i>Lanius schach</i>			1		CW
Hair-crested Drongo	<i>Dicrurus macrocercus</i>	1				CL
Black Drongo	<i>Dicrurus hottentottus</i>	1				CW
Black-necked Starling	<i>Sturnus nigricollis</i>			2	1	CW
Crested Myna	<i>Acridotheres cristatellus</i>			2		CW
Tree Sparrow	<i>Passer montanus</i>	1				CW
Spotted Munia	<i>Lonchura punctulata</i>			1		CL
Masked Bunting	<i>Emberiza spodocephala</i>			1	2	CW
Total birds		50	25	49	38	
Total species		15	6	18	10	

Commonness and distribution:

CW = common and widespread; CL = uncommon or common but localized; R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)

APPENDIX C

**Bird species and their
abundance in
Systematic Point
Counts in Ngau Hom
Shek stream valley**

Common name	Latin name	Late breeding season	Autumn migration season	Winter season	Spring migration season	Commonness and distribution
Crested Serpent Eagle	<i>Spilornis cheela</i>		1	1		R
Chinese Pond Heron	<i>Ardeola bacchus</i>			1		CW
Black-eared Kite	<i>Milvus lineatus</i>			1		CW
Crested Goshawk	<i>Accipiter trivirgatus</i>			1		R
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>		1			CW
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	1				CW
Broad-billed Roller	<i>Eurystomus orientalis</i>				1	R
Spotted Dove	<i>Streptopelia chinensis</i>			1	2	CW
Grey Wagtail	<i>Motacilla cinerea</i>			1		CW
Scarlet Minivet	<i>Pericrocotus flammeus</i>			1		CL
Crested Bulbul	<i>Pycnonotus jocosus</i>			6	7	CW
Chinese Bulbul	<i>Pycnonotus sinensis</i>	2		4	1	CW
Red-vented Bulbul	<i>Pycnonotus aurigaster</i>				1	CW
Siberian Rubythroat	<i>Luscinia calliope</i>		1	1		CL
Common Tailorbird	<i>Orthotomus sutorius</i>	6	2		1	CW
Yellow-browed Warbler	<i>Phylloscopus inornata</i>			1		CW
Pallas's Warbler	<i>Phylloscopus proregulus</i>			1	1	CL
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	3			2	CW
Black-faced Laughingthrush	<i>Garrulax perspicillatus</i>			2		CW
Great Tit	<i>Parus major</i>	2			1	CW
Japanese White-eye	<i>Zosterops japonica</i>			2		CW
Spotted Munia	<i>Lonchura punctulata</i>	1				CL
Total birds		15	5	24	17	
Total species		9	4	14	9	

Commonness and distribution:

CW = common and widespread; CL = uncommon or common but localized; R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)

APPENDIX D (1)

**Bird species and their
abundance in
Systematic Point
Counts at Ngau Hom
Shek fishponds**

Common name	Latin name	Late breeding season	Autumn migration season	Winter season	Spring migration season	Commonness and distribution
Little Grebe	<i>Tachybaptus ruficollis</i>	2	1	2		CW
Little Egret	<i>Egretta garzetta</i>	22	10	8	4	CW
Chinese Pond Heron	<i>Ardeola bacchus</i>	16	16	7		CL
Great Egret	<i>Casmerodius alba</i>	3	2			CW
Grey Heron	<i>Ardea cinerea</i>		5	2		CL
Common Sandpiper	<i>Actitis hypoleucos</i>	1	6	6	2	CW
Little Ringed Plover	<i>Charadrius dubius</i>			89		CW
Green Sandpiper	<i>Tringa ochropus</i>			1	1	CW
Spotted Dove	<i>Streptopelia chinensis</i>	4	7	10	1	CW
Moorhen	<i>Gallinula chloropus</i>		1		1	CL
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>		2	4		CW
Barn Swallow	<i>Hirundo rustica</i>				3	CW
Common Kingfisher	<i>Alcedo atthis</i>	1		2		CW
White-breasted Kingfisher	<i>Halcyon smyrnensis</i>	3	1	2	1	CW
Yellow Wagtail	<i>Motacilla flava</i>			3		CL
White Wagtail	<i>Motacilla alba</i>	2	8	5	2	CW
Crested Bulbul	<i>Pycnonotus jocosus</i>	2				CW
Chinese Bulbul	<i>Pycnonotus sinensis</i>	26		2	1	CW
Magpie Robin	<i>Copsychus saularis</i>	1		3	1	CW
Red-throated Flycatcher	<i>Muscicapa parva</i>	2				R
Fantail Warbler	<i>Cisticola juncidis</i>	1		1		CL
Yellow-bellied Prinia	<i>Prinia flaviventris</i>			3	1	CW
Common Tailorbird	<i>Orthotomus sutorius</i>		1	1		CW
Arctic Warbler	<i>Phylloscopus borealis</i>	1				CL
Yellow-browed Warbler	<i>Phylloscopus inornata</i>		2	1		CW
Dusky Warbler	<i>Phylloscopus fuscatus</i>		3	2		CL
Japanese White-eye	<i>Zosterops japonica</i>	6		1		CW
Rufous-backed Shrike	<i>Lanius schach</i>	2		6		CW
Crested Myna	<i>Acridotheres cristatellus</i>	8	9		1	CW
Black-necked Starling	<i>Sturnus nigricollis</i>	2		2	3	CW
Tree Sparrow	<i>Passer montanus</i>			5	1	CW
Spotted Munia	<i>Lonchura punctulata</i>			45		CL
Total birds		105	74	213	24	
Total species		19	15	25	14	

Commonness and distribution:

CW = common and widespread; CL = uncommon or common but localized; R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)

APPENDIX D (2)

**Bird Species and Their
Abundance in
Systematic Counts at
Two Fishponds Near the
Landing Location at
Ngau Hom Shek**

Common name	Latin name	Winter season	Spring migration season	Commonness and distribution
Little Egret	<i>Egretta garzetta</i>	2	3	CW
Common Sandpiper	<i>Actitis hypoleucos</i>	4	1	CW
Spotted Dove	<i>Streptopelia chinensis</i>	1	2	CW
Moorhen	<i>Gallinula chloropus</i>	3		CL
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1	1	CW
Common Kingfisher	<i>Alcedo atthis</i>	2	1	CW
White-breasted Kingfisher	<i>Halcyon smyrnensis</i>	1	1	CW
White Wagtail	<i>Motacilla alba</i>	1		CW
Crested Bulbul	<i>Pycnonotus jocosus</i>	1		CW
Chinese Bulbul	<i>Pycnonotus sinensis</i>	2		CW
Siberian Rubythroat	<i>Luscinia calliope</i>	1		CL
Yellow-browed Warbler	<i>Phylloscopus inornata</i>	1	1	CW
Dusky Warbler	<i>Phylloscopus fuscatus</i>	1		CL
Japanese White-eye	<i>Zosterops japonica</i>	1	1	CW
Red-billed Starling	<i>Sturnus sericeus</i>	1		CL
Total birds		23	11	
Total species		15	8	

Commonness and distribution: CW = common and widespread; CL = uncommon or common but localized;
 R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)

Note that ponds contain fish, but there is little evidence of intensive management. Bunds were overgrown with vegetation, and water levels were low in January 2002.

APPENDIX E

**Bird Species and Their
Abundance in
Systematic Point
Counts at Ngau Hom
Sha Fishponds**

Common name	Latin name	Late breeding season	Autumn migration season	Winter season	Spring migration season	Commonness and distribution
Little Grebe	<i>Tachybaptus ruficollis</i>			1		CL
Little Egret	<i>Egretta garzetta</i>	12	39	5	1	CW
Chinese Pond Heron	<i>Ardeola bacchus</i>	10	5	3	3	CW
Great Egret	<i>Casmerodius alba</i>	1				CL
Grey Heron	<i>Ardea cinerea</i>		1	3		CL
Black-eared Kite	<i>Milvus lineatus</i>		2	4		CW
Moorhen	<i>Gallinula chloropus</i>		1			CL
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	1				CW
Common Sandpiper	<i>Actitis hypoleucos</i>	6	2	2	1	CW
Wood Sandpiper	<i>Tringa ochropus</i>		3			CL
Green Sandpiper	<i>Tringa glareola</i>	4	4	1		CL
Little Ringed Plover	<i>Charadrius dubius</i>	32		12		CW
Spotted Dove	<i>Streptopelia chinensis</i>		1	11	2	CW
Barn Swallow	<i>Hirundo rustica</i>				3	CW
Common Kingfisher	<i>Alcedo atthis</i>	2	1	4	4	CW
White-breasted Kingfisher	<i>Halcyon smyrnensis</i>		1	1	1	CW
Olive-backed Pipit	<i>Anthus hodgsoni</i>		1			CW
Yellow Wagtail	<i>Motacilla flava</i>	6	1	2		CL
White Wagtail	<i>Motacilla alba</i>	4	2	6	3	CW
Grey Wagtail	<i>Motacilla cinerea</i>	2				CW
Chinese Bulbul	<i>Pycnonotus sinensis</i>	2		6	2	CW
Magpie Robin	<i>Copsychus saularis</i>			1	2	CW
Violet Whistling Thrush	<i>Myiophonus caeruleus</i>	1				CW
Yellow-browed Warbler	<i>Phylloscopus inornata</i>			1		CW
Dusky Warbler	<i>Phylloscopus fuscatus</i>		3			CL
Great Tit	<i>Parus major</i>	1				CW
Fork-tailed Sunbird	<i>Aethopyga christinae</i>		1			CL
Japanese White-eye	<i>Zosterops japonica</i>		5	10	1	CW
Rufous-backed Shrike	<i>Lanius schach</i>			2		CW
Black-necked Starling	<i>Sturnus nigricollis</i>			4		CW
Red-billed Starling	<i>Sturnus sericeus</i>			2		CL
Crested Myna	<i>Acridotheres cristatellus</i>			8	3	CW
Spotted Munia	<i>Lonchura punctulata</i>			11		CL
Tree Sparrow	<i>Passer montanus</i>				1	CW
Little Bunting	<i>Emberiza pusilla</i>			2		CL
Total birds		84	73	102	27	
Total species		14	17	24	13	

Commonness and distribution:

CW = common and widespread; CL = uncommon or common but localized; R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)

APPENDIX F

**Bird Species and Their
Abundance in
Systematic Point
Counts at Sheung Pak
Nai Fishponds**

Common name	Latin name	Late breeding season	Autumn migration season	Winter season	Spring migration season	Commonness and distribution
Little Grebe	<i>Tachybaptus ruficollis</i>			2		CL
Little Egret	<i>Egretta garzetta</i>	5	2	4	2	CW
Chinese Pond Heron	<i>Ardeola bacchus</i>	12	20	9	8	CW
Grey Heron	<i>Ardea cinerea</i>		1	1		CL
Common Sandpiper	<i>Actitis hypoleucos</i>	9	5	5		CW
Little Ringed Plover	<i>Charadrius dubius</i>	2				CW
Spotted Dove	<i>Streptopelia chinensis</i>	2		1		CW
Feral Pigeon	<i>Columba livia</i>		1			CL
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	3	2	1	1	CW
Barn Swallow	<i>Hirundo rustica</i>				4	CW
Common Kingfisher	<i>Alcedo atthis</i>	1	3			CW
Black-capped Kingfisher	<i>Halcyon pileata</i>		1			CL
White-breasted Kingfisher	<i>Halcyon smyrnensis</i>	3	1	2		CW
Yellow Wagtail	<i>Motacilla flava</i>	1		1		CL
White Wagtail	<i>Motacilla alba</i>	1	4	6		CW
Grey Wagtail	<i>Motacilla cinerea</i>	1				CW
Magpie Robin	<i>Copsychus saularis</i>			1		CW
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	1	3	3	1	CW
Plain Prinia	<i>Prinia inornata</i>	2	1	1		CL
Great Reed Warbler	<i>Acrocephalus orientalis</i>	2				CL
Dusky Warbler	<i>Phylloscopus fuscatus</i>			1		CL
Black Drongo	<i>Dicrurus macrocercus</i>	2			1	CW
Crested Myna	<i>Acridotheres cristatellus</i>	1	1			CW
Black-necked Starling	<i>Sturnus nigricollis</i>	5	1	1	1	CW
Tree Sparrow	<i>Passer montanus</i>	12	1	11		CW
Spotted Munia	<i>Lonchura punctulata</i>	1				CL
Total birds		66	47	50	18	
Total species		19	15	16	7	

Commonness and distribution: CW = common and widespread; CL = uncommon or common but localized; R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)

APPENDIX K

**Bird Species and Their
Abundance in
Systematic Counts on
Inter-tidal Mudflats at
Ngau Hom Shek**

Common name	Latin name	Late breeding season	Autumn migration season	Winter season	Spring migration season	Commonness and distribution
Little Egret	<i>Egretta garzetta</i>	18		11	1	CW
Chinese Pond Heron	<i>Ardeola bacchus</i>	2	7			CW
Great Egret	<i>Casmerodius albus</i>			1		CL
Grey Heron	<i>Ardea cinerea</i>			1		CL
Little Ringed Plover	<i>Charadrius dubius</i>	2				CW
Curlew	<i>Numenius arquata</i>	1				R
Common Sandpiper	<i>Actitis hypoleucos</i>	1				CW
White-breasted Kingfisher	<i>Halcyon smyrnensis</i>				1	CW
Total birds		24	7	13	2	
Total species		5	1	3	2	

Commonness and distribution:

CW = common and widespread; CL = uncommon or common but localized; R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)

APPENDIX L

**Bird Species and Their
Abundance in
Systematic Counts on
Inter-tidal Mudflats at
Ngau Hom Sha**

Common name	Latin name	Late breeding season	Autumn migration season	Winter season	Spring migration season	Commonness and distribution
Little Egret	<i>Egretta garzetta</i>	45	24	14	3	CW
Chinese Pond Heron	<i>Ardeola bacchus</i>	15	8	6	3	CW
Great Egret	<i>Casmerodius albus</i>		1			CL
Grey Heron	<i>Ardea cinerea</i>			2		CL
Little Ringed Plover	<i>Charadrius dubius</i>		14			CW
Curlew	<i>Numenius arquata</i>	1				R
Wood Sandpiper	<i>Tringa glareola</i>	1				CL
Common Sandpiper	<i>Actitis hypoleucos</i>	2				CW
Total birds		64	47	22	6	
Total species		5	4	3	2	

Commonness and distribution: CW = common and widespread; CL = uncommon or common but localized;

R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)

APPENDIX M

**Bird Species and Their
Abundance in
Systematic Counts on
Inter-tidal Mudflats at
Sheung Pak Nai**

Common name	Latin name	Late breeding season	Autumn migration season	Winter season	Spring migration season	Commonness and distribution
Little Egret	<i>Egretta garzetta</i>	14	14	14	2	CW
Chinese Pond Heron	<i>Ardeola bacchus</i>	4	4	18	5	CW
Great Egret	<i>Casmerodius albus</i>			1		CL
Black-eared Kite	<i>Milvus lineatus</i>	1				CW
Little Ringed Plover	<i>Charadrius dubius</i>	1				CW
Curlew	<i>Numenius arquata</i>	2				R
Redshank	<i>Tringa totanus</i>	1				CL
Common Sandpiper	<i>Actitis hypoleucos</i>	2				CW
Common Kingfisher	<i>Alcedo atthis</i>	1				CW
Total birds		26	18	33	7	
Total species		8	2	3	2	

Commonness and distribution: CW = common and widespread; CL = uncommon or common but localized;
 R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)

APPENDIX N

**Bird Species and Their
Abundance in
Systematic Counts
Along Tidelines at Ngau
Hom Shek**

Common name	Latin name	Late breeding season	Autumn migration season	Winter season	Spring migration season	Commonness and distribution
Little Egret	<i>Egretta garzetta</i>	46	74	57	9	CW
Chinese Pond Heron	<i>Ardeola bacchus</i>		6			CW
Great Egret	<i>Casmerodius alba</i>	3		21	1	CL
Grey Heron	<i>Ardea cinerea</i>	1		1		CL
Black-faced Spoonbill	<i>Platalea minor</i>			9		R
Osprey	<i>Pandion haliaetus</i>			1		CL
White-breasted Kingfisher	<i>Halcyon smyrnensis</i>	3		2		CW
Total birds		56	80	91	10	
Total species		4	2	6	2	

Commonness and distribution: CW = common and widespread; CL = uncommon or common but localized;
 R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)

APPENDIX O

**Bird Species and Their
Abundance in
Systematic Counts
Along Tidelines at Ngau
Hom Sha**

Common name	Latin name	Late breeding season	Autumn migration season	Winter season	Spring migration season	Commonness and distribution
Little Egret	<i>Egretta garzetta</i>	38	81	46	12	CW
Chinese Pond Heron	<i>Ardeola bacchus</i>	3	2	4	1	CW
Great Egret	<i>Casmerodius alba</i>	3	22	7	1	CL
Grey Heron	<i>Ardea cinerea</i>		3		1	CL
Osprey	<i>Pandion haliaetus</i>		1	4		CL
Little Ringed Plover	<i>Charadrius dubius</i>	1				CW
Common Sandpiper	<i>Actitis hypoleucos</i>	5				CW
Redshank	<i>Tringa totanus</i>	1				CL
White-breasted Kingfisher	<i>Halcyon smyrnensis</i>	2	1			CW
Black-capped Kingfisher	<i>Halcyon pileata</i>		1			CL
Total birds		53	111	61	15	
Total species		7	7	4	4	

Commonness and distribution: CW = common and widespread; CL = uncommon or common but localized;
 R = very local or rare

Late breeding season (September 2001), autumn migration season (October and November 2001), winter season (December 2001 to February 2002)