



Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme

Monthly Waterbird Count Data
April 2008 – March 2009



Hong Kong Bird
Watching Society



Agriculture, Fisheries and
Conservation Department

Tender Reference No. AFCD/SQ/23/08/C

Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Waterbird Count Coordinator

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The Hong Kong Bird Watching Society Ltd.

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Report available for public information

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John and Jemi Holmes



**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09

Summer Count

April 2008

Summary Report - April 2008

Y.T. Yu¹

The 2007 April waterbird count took place on 19th and this count covered the whole Deep Bay area including the Mai Po Inner Deep Bay Ramsar site, and Futian National Nature Reserve, Shenzhen, China. The count in Hong Kong Wetland Park was conducted on 20th.

A total of 28,666 waterbirds were counted in the whole Deep Bay area, of which 17,458 (61%) was counted within the Ramsar site area. The largest waterbird group comprised the shorebirds at 26,723 (93%). Although the Ardeids is the second largest group (1,308 in 5% of the total number), the figure is far lower than the shorebird figure. Such large number of shorebirds present in the count was largely related to the approach of a tropical cyclone Neoguri on 18 and 19 April. It is thought that many passage shorebirds made a stop from their migration in this unfavourable condition. Several migrant shorebirds were recorded in unusual high numbers including 9,218 Curlew Sandpipers, 3,539 Common Redshanks and 2,516 Common Greenshanks. In addition, a total of 4,070 overwintering Pied Avocets were still present in this count. On the other hand, only 1,308 Ardeids counted in this count that is a low figure compared to the previous year's figure (2,164 in April 2007), indicating that the weather might give an adverse effect to the count of this group.

A comparison with previous year's count and the average for the month is provided in table 1. Both figures of the whole Deep Bay and Ramsar Site are exceptional and are the new high counts for this month since the commencement of this programme. The whole Deep Bay figure has an increase of 63% from the previous year's count and the increase of Ramsar Site's figure is almost doubled.

Table 1. April waterbird counts 2004-2008.

	2004	2005	2006	2007	2008	Average*	Std. Dev.*
Deep Bay area	13,681	10,067	10,388	17,545	28,666	13,236	6,058
Ramsar Site	11,748	8,823	7,301	8,953	17,458	10,081	3,086

* Figures of average and the SD are calculated from the count since 1998 to the latest count.

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Summary of Waterbird Count, April 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	17	6	11					20			23	2	7	2	2	15	25	0	40	105	7
Great Crested Grebe			20													0		0	0	20	
Great Cormorant	0	0						0			0	0	0	0	0	0	0	0	0	0	
Dalmatian Pelican																0			0	0	
Grey Heron	0	1	1					0	16		0	0	0	9	1	38	9	0	47	66	12
Purple Heron																0			0	0	
Great Egret	1	2	139		3			9	6	6	9	5	1	2	0	42	19	3	64	225	64
Intermediate Egret	4	0	1	1				0	2		1	0	2	0	0	4	3	1	8	15	5
Little Egret	49	37	326	8	17			15	9		60	15	78	14	7	44	165	25	234	679	19
Swinhoe's Egret																0			0	0	
Pacific Reef Egret																0			0	0	
Cattle Egret	48	1	6		5			4	1	21	3	3	4	3	7	0	11	5	16	106	70
Chinese Pond Heron	6	2	49		10			4			12	2	4	2	3	2	17	10	29	96	1
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0	
B-c Night Heron	0	1	53					0			1	0	2	1	0	0	4	0	4	58	50
Yellow Bittern	0	0						0	1		0	0	0	0	0	0	0	0	0	1	1
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill																0			0	0	
Black-faced Spoonbill	4	9	4								1	1		1		42	1		43	62	
Common Shelduck																0			0	0	
Eurasian Wigeon	0	0	10					0			0	0	0	0	0	1	0	0	1	11	
Falcated Duck																0			0	0	
Gadwall																0			0	0	
Baikal Teal																0			0	0	
Common Teal	0	0						0	4		0	0	0	0	0	0	0	0	0	4	2
Mallard																0			0	0	
Spot-billed Duck																0			0	0	
Chinese Spotbill																0			0	0	
Burmese Spotbill																0			0	0	
Northern Pintail																0			0	0	
Garganey			20													0			0	20	
Northern Shoveler			30													0			0	30	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck																0			0	0	
Greater Scaup																0			0	0	
Red-breasted Merganser																0			0	0	
Duck sp.																0			0	0	
Slaty-breasted Rail																0			0	0	
Water Rail																0			0	0	
White-breasted Waterhen	0	1	4					2	1		5	0	4	1	0	0	12	0	12	18	1
Watercock																0			0	0	
Common Moorhen	19	2	110	1				1	6		10	0	0	0	0	6	9	1	16	155	13
Eurasian Coot																0			0	0	
Pheasant-tailed Jacana	1															0			0	1	

Greater Painted Snipe																	0		0	0	
Black-winged Stilt			431														22		22	453	
Pied Avocet			2500	1570													0	1570	1570	4070	
Oriental Pratincole									23	9							0		0	32	
Northern Lapwing																	0		0	0	
Grey-headed Lapwing																	0		0	0	
Pacific Golden Plover			1														10		10	11	
Grey Plover																	38		38	38	
Common Ringed Plover																	0		0	0	
Little Ringed Plover	5	0	7				0		4	12	1	8	0	0	22	0	22	22	37		
Kentish Plover			4														1		1	5	
Lesser Sand Plover																	51		51	51	
Greater Sand Plover			1														62		62	63	
Black-tailed Godwit			94														696		696	790	
Bar-tailed Godwit			4														18		18	22	
Whimbrel																	6		6	6	
Eurasian Curlew																	28		28	28	
Far Eastern Curlew			1														12		12	13	
Spotted Redshank			554														819		819	1373	
Common Redshank			2832														707		707	3539	
Marsh Sandpiper			262														435		435	697	
Common Greenshank			580									18		18			1918	18	1936	2516	1
Nordmann's Greenshank																	2		2	2	
Green Sandpiper	0	0					1		3	2	1	0	0	0	7	0	7	7	7		
Wood Sandpiper	72	10	261				1		0	6	3	0	0	29	25	0	54	54	382	12	
Terek Sandpiper																	247		247	247	
Common Sandpiper	7	9	31				8	1	2	10	10	4	0	0	35	0	35	35	82		
Grey-tailed Tattler																	5		5	5	
Ruddy Turnstone																	10		10	10	
Red-necked Phalarope				1							6						2	6	8	9	25
Pintail Snipe																	0		0	0	
Swinhoe's Snipe																	0		0	0	
Pintail/Swinhoe's Snipe																	0		0	0	
Common Snipe		1	23														0		0	24	
Long-billed Dowitcher																	2		2	2	
Asian Dowitcher																	55		55	55	
Red Knot																	9		9	9	
Great Knot			1														16		16	17	1
Sanderling																	0		0	0	
Red-necked Stint			8														733		733	741	
Little Stint																	2		2	2	
Temminck's Stint			15									1		0	1		1	1	16		
Long-toed Stint	14		13											8			8	8	35		
Pectoral Sandpiper																	1		1	1	
Sharp-tailed Sandpiper			1														18		18	19	2
Dunlin																	1		1	1	
Curlew Sandpiper			206														9012		9012	9218	
Spoon-billed Sandpiper																	1		1	1	
Broad-billed Sandpiper																	137		137	137	
Ruff																	0		0	0	
Small wader spp.																	0		0	0	
Wader sp.			1956														0		0	1956	
Black-tailed Gull																	0		0	0	
Heuglin's Gull																	0		0	0	
Yellow-legged Gull																	0		0	0	

**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09	Summer Count	May 2008
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Summary Report - May 2008

The 2008 May waterbird count was conducted on 11th. Coverage of the count is complete to all area of the whole Deep Bay area, the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve at Shenzhen, China.

A total of 6,359 waterbirds were counted in the Deep Bay area, of which 4,884 (77%) were recorded within the Ramsar Site area. Waders comprised the largest group (66%) in the count with 4,175 individuals counted and Ardeids is the second largest with 1,920 (30%) individuals. Other groups, e.g. Ducks and Grebes, Gulls and Terns, were present in smaller numbers (< 100 individuals) in the Deep Bay area.

A comparison with previous years' counts and the average for the month is provided in Table 1. Both figures of the whole Deep Bay area and the Ramsar Site are lower than the same figures of the previous year and these figures have about 34% decrease from the previous year's figure, but these are still higher than the average figures. Fewer waterbirds recorded in the count show that many waterbirds have already returned to their breeding grounds in the north.

Table 1. Figures of the May waterbird counts 2004-2008.

April	2004	2005	2006	2007	2008	Average*	Std. Dev.*
Deep Bay area	3,133	8,455	4,227	9,630	6,359	5,314	2,598
Ramsar Site	2,302	7,482	3,069	7,443	4,884	4,287	2,246

* Figures of average and the SD are calculated from the count since 1998 to the latest count

Summary of Waterbird Count, May 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	25	13	1					12			7	0	9	2	9	13	17	0	30	91	5
Great Crested Grebe																0			0	0	
Great Cormorant	0	0						0			0	0	0	0	0	0	0	0	0	0	
Dalmatian Pelican																0			0	0	
Grey Heron	1	0	1					2	3	1	0	3	0	0	1	4	5	0	9	16	
Purple Heron																0			0	0	
Great Egret	4	15	250	66	4	5	47	106	1	8	13	8	44	6	2	73	166	124	363	652	98
Intermediate Egret	6	0		2				0	4		0	0	0	0	0	6	0	2	8	18	1
Little Egret	9	24	288	116	2	4	38	69	2		29	24	49	22	13	55	172	165	392	744	36
Swinhoe's Egret																0			0	0	
Pacific Reef Egret																0			0	0	
Cattle Egret	16	11	32					10	2		0	10	4	39	20	12	70	0	82	156	38
Chinese Pond Heron	10	5	61			1		5	1	3	9	7	5	5	7	4	26	1	31	123	4
Striated Heron	0	0						0			0	1	1	1	0	2	3	0	5	5	
B-c Night Heron	3	10	129	2				2	1	1	0	2	6	2	0	5	11	2	18	163	63
Yellow Bittern	3	0						0	2		0	0	0	0	0	1	0	0	1	6	
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill																0			0	0	
Black-faced Spoonbill			32*	2					2							33		2	35	37	
Common Shelduck																0			0	0	
Eurasian Wigeon	1	0						0			0	0	0	0	0	0	0	0	0	1	
Falcated Duck																0			0	0	
Gadwall																0			0	0	
Baikal Teal																0			0	0	
Common Teal	0	0						0			0	0	0	0	0	0	0	0	0	0	
Mallard																0			0	0	
Spot-billed Duck																0			0	0	
Chinese Spotbill																0			0	0	
Burmese Spotbill																0			0	0	
Northern Pintail																0			0	0	
Garganey																0			0	0	
Northern Shoveler																0			0	0	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck																0			0	0	
Greater Scaup																0			0	0	
Red-breasted Merganser																0			0	0	
Duck sp.																0			0	0	
Slaty-breasted Rail																0			0	0	
Water Rail																0			0	0	
White-breasted Waterhen	3	5	9		1			3	3	2	0	1	0	0	0	8	4	1	13	35	3
Watercock																0			0	0	
Common Moorhen	1	0	37					0	4		2	0	0	0	1	6	0	0	6	51	3
Eurasian Coot																0			0	0	

Pheasant-tailed Jacana																		0			0	1	1
Greater Painted Snipe																		1			1	1	
Black-winged Stilt			5															92			92	97	
Pied Avocet			4															984			984	988	
Oriental Pratincole																		0			0	0	
Northern Lapwing																		0			0	0	
Grey-headed Lapwing																		0			0	0	
Pacific Golden Plover																		0			0	0	
Grey Plover																		21			21	21	
Common Ringed Plover																		0			0	0	
Little Ringed Plover	4	1	8				0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	16	
Kentish Plover									1									1			1	2	
Lesser Sand Plover																		11			11	11	
Greater Sand Plover			3															86			86	89	
Black-tailed Godwit			51															45			45	96	
Bar-tailed Godwit																		7			7	7	
Whimbrel																		27			27	27	
Eurasian Curlew			6															40			40	46	
Far Eastern Curlew																		1			1	1	
Spotted Redshank			2															406			406	408	
Common Redshank			110															342			342	452	
Marsh Sandpiper																		5			5	5	
Common Greenshank			16					14										930			930	960	
Nordmann's Greenshank																		1			1	1	
Green Sandpiper	0	0					0			0	0	0	0	0	0	0	0	0	0	0	0	0	
Wood Sandpiper	4	0	9				0			0	0	1	0	0	19	1	0	20			20	33	
Terek Sandpiper			2															202			202	204	
Common Sandpiper	7	6	9				0	2	9	4	8	0	1	2	4	11	0	15			15	52	3
Grey-tailed Tattler									27									1			1	28	12
Ruddy Turnstone																		14			14	14	
Red-necked Phalarope																		0			0	0	
Pintail Snipe																		0			0	0	
Swinhoe's Snipe																		0			0	0	
Pintail/Swinhoe's Snipe																		0			0	0	
Common Snipe																		0			0	0	
Long-billed Dowitcher																		0			0	0	
Asian Dowitcher																		9			9	9	
Red Knot																		16			16	16	
Great Knot																		6			6	6	
Sanderling																		1			1	1	
Red-necked Stint			20															97			97	117	
Little Stint																		0			0	0	
Temminck's Stint																		0			0	0	
Long-toed Stint																		0			0	0	
Pectoral Sandpiper																		1			1	1	
Sharp-tailed Sandpiper																		29			29	29	
Dunlin																		0			0	0	
Curlew Sandpiper																		427			427	427	
Spoon-billed Sandpiper																		0			0	0	
Broad-billed Sandpiper																		9			9	9	
Ruff																		0			0	0	
Small wader spp.																		0			0	0	
Wader sp.																		0			0	0	

Black-tailed Gull																0			0	0	
Heuglin's Gull																0			0	0	
Yellow-legged Gull																0			0	0	
Slaty-backed Gull																0			0	0	
Pallas's Gull																0			0	0	
Large Gull spp.																0			0	0	
Brown-headed Gull																0			0	0	
Jack-headed Gull	0	0	17					0			0	0	0	0	0	0	0	0	0	17	
Saunders's Gull																1			1	1	
Whiskered Tern			14													0			0	14	1
White-winged Tern			11								17					24	17		41	52	150
Gull-billed Tern																2			2	2	
Caspian Tern																0			0	0	
Total	97	90	1095	188	7	10	85	209	44	53	64	81	119	78	55	4084	503	297	4884	6359	418
Grey Phalarope																					1
	Deep Bay Area	%	Ramsar Site	%	SW	SI															
Cormorants	0	0.0	0	0.0	0	0															
Ardeids etc	1920	30.2	944	19.3	0	240															
Ducks, grebes, pelicans	92	1.4	30	0.6	0	5															
Rails, Coot etc	86	1.4	19	0.4	0	6															
Waders	4175	65.7	3847	78.8	0	16															
Gulls and terns	86	1.4	44	0.9	0	151															
TOTAL	6359		4884		0	418															
Date of count: 11 May 2008																					
n/c = site not counted High tide measured at TBT:																					
# indicates count consists of or includes a count made up to one week either side of the count date																					
% = count made at evening roost																					
Wetland-dependant species																					
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Osprey																1			1	1	
Black Kite	0	0	1					0			2	9	4	0	1	4	13	0	17	21	1
White-bellied Sea Eag																0			0	0	
Eastern Marsh Harrier																0			0	0	
Common Buzzard																0			0	0	
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0	
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0	
Peregrine Falcon																1			1	1	
Pied Kingfisher	3	3	5					0	3		0	0	0	0	1	3	0	0	3	18	1
Common Kingfisher	4	1	4					1	1		0	1	1	1	1	0	3	0	3	15	
White-throated Kingfisher	0	2	1					1			0	0	0	0	0	0	1	0	1	4	1
Black-capped Kingfisher	0	0						0			0	0	0	0	0	0	0	0	0	0	
Red-billed Starling	0	0						2			0	0	0	0	0	0	2	0	2	2	
Collared Crow	0	0	5					4			1	28	2	1	0	6	32	2	40	47	

**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09	Summer Count	June 2008
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Summary Report - June 2008

The 2008 June waterbird count took place on 8th. Coverage of this waterbird count was complete to all areas of the whole Deep Bay area including the Mai Po Inner Deep Bay Ramsar site, the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve at Shenzhen, China.

A total of 2,500 waterbirds were counted in the whole Deep Bay area, of which 1,147 (46%) were recorded in the Ramsar Site area. The largest group of waterbird was the Ardeids in the count of 2,179 individuals (87%). The second largest group was the shorebirds counted in only 185 individuals (7%), indicating that many passage shorebirds had left Mai Po for the northward migration.

A comparison with previous years' counts and the average for the month is provided in Table 1. Both figures of the whole Deep Bay area and the Ramsar Site recovered from the low figures of the previous year. The figure of the Deep Bay area is 25% higher than the average figure, while the figure of the Ramsar site is similar to the average figure.

Table 1. Figures of the June waterbird counts 2004-2008.

April	2004	2005	2006	2007	2008	Average*	Std. Dev.*
Deep Bay area	2,697	1,445	3,065	1,657	2,500	2,008	833
Ramsar Site	2,092	859	1,748	501	1,147	1,153	508

* Figures of average and the SD are calculated from the count since 1998 to the latest count.

Summary of Waterbird Count, June 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	36	2	2					7			7	0	9	3	2	7	19	0	26	75	5
Great Crested Grebe																0			0	0	
Great Cormorant	0	0						0			0	0	0	0	0	0	0	0	0	0	
Dalmatian Pelican																0			0	0	
Grey Heron	4	0			2			0	2		0	0	0	1	0	1	1	2	4	10	
Purple Heron																0			0	0	
Great Egret	39	6	232	215	75			39	2	6	19	25	49	29	3	77	123	290	490	816	183
Intermediate Egret	1	0						0	1		3	0	0	0	0	17	3	0	20	22	
Little Egret	30	6	390	260	37			21	1	13	17	34	17	59	10	48	138	297	483	943	54
Swinhoe's Egret																0			0	0	
Pacific Reef Egret																0			0	0	
Cattle Egret	38	44	54		4			4			0	0	0	0	0	4	0	4	8	148	60
Chinese Pond Heron	9	4	21					3	6	2	7	4	9	7	11	11	24	0	35	94	3
Striated Heron	0	1	3					0			0	0	0	0	0	0	0	0	0	4	
B-c Night Heron	6	3	91					1	1	2	2	3	2	5	9	0	11	0	11	125	74
Yellow Bittern	3	0	2					1	5		0	0	0	0	1	1	0	0	1	13	1
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill																0			0	0	
Black-faced Spoonbill			3		1											0		1	1	4	
Common Shelduck																0			0	0	
Eurasian Wigeon	0	0						0			0	0	0	0	0	0	0	0	0	0	
Falcated Duck																0			0	0	
Gadwall																0			0	0	
Baikal Teal																0			0	0	
Common Teal	0	0						0			0	0	0	0	0	0	0	0	0	0	
Mallard																0			0	0	
Spot-billed Duck																0			0	0	
Chinese Spotbill																0			0	0	
Burmese Spotbill																0			0	0	
Northern Pintail																0			0	0	
Garganey																0			0	0	
Northern Shoveler																0			0	0	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck																0			0	0	
Greater Scaup																0			0	0	
Red-breasted Merganser																0			0	0	
Duck sp.																0			0	0	
Slaty-breasted Rail																0			0	0	
Water Rail																0			0	0	
White-breasted Waterhen	5	1	5		2			0	6	3	1	1	5	0	2	9	8	2	19	40	2
Watercock																0			0	0	
Common Moorhen	0	0	18					0			3	0	0	0	0	0	0	0	0	21	
Eurasian Coot																0			0	0	
Pheasant-tailed Jacana																0			0	0	

Greater Painted Snipe															0			0	0
Black-winged Stilt			4							3			1	14	3		17	22	
Pied Avocet			120											0			0	120	
Oriental Pratincole														0			0	0	
Northern Lapwing														0			0	0	
Grey-headed Lapwing														0			0	0	
Pacific Golden Plover														0			0	0	
Grey Plover														0			0	0	
Common Ringed Plover														0			0	0	
Little Ringed Plover	6	0	2				0			0	0	0	0	0	0	0	0	8	
Kentish Plover														0			0	0	
Lesser Sand Plover														0			0	0	
Greater Sand Plover														0			0	0	
Black-tailed Godwit														6			6	6	
Bar-tailed Godwit														0			0	0	
Whimbrel														0			0	0	
Eurasian Curlew					10									0		10	10	10	
Far Eastern Curlew														0			0	0	
Spotted Redshank														0			0	0	
Common Redshank														0			0	0	
Marsh Sandpiper														0			0	0	
Common Greenshank														0			0	0	
Nordmann's Greenshank														0			0	0	
Green Sandpiper	0	0					0			0	0	0	0	0	0	0	0	0	
Wood Sandpiper	0	0					0			0	0	0	0	0	0	0	0	0	
Terek Sandpiper														15			15	15	
Common Sandpiper	0	0	3				0			0	0	0	1	0	0	1	0	4	
Grey-tailed Tattler														0			0	0	
Ruddy Turnstone														0			0	0	
Red-necked Phalarope														0			0	0	
Pintail Snipe														0			0	0	
Swinhoe's Snipe														0			0	0	
Pintail/Swinhoe's Snipe														0			0	0	
Common Snipe														0			0	0	
Long-billed Dowitcher														0			0	0	
Asian Dowitcher														0			0	0	
Red Knot														0			0	0	
Great Knot														0			0	0	
Sanderling														0			0	0	
Red-necked Stint														0			0	0	
Little Stint														0			0	0	
Temminck's Stint														0			0	0	
Long-toed Stint														0			0	0	
Pectoral Sandpiper														0			0	0	
Sharp-tailed Sandpiper														0			0	0	
Dunlin														0			0	0	
Curlew Sandpiper														0			0	0	
Spoon-billed Sandpiper														0			0	0	
Broad-billed Sandpiper														0			0	0	
Ruff														0			0	0	
Small wader spp.														0			0	0	
Wader sp.														0			0	0	
Black-tailed Gull														0			0	0	

Heuglin's Gull																	0		0	0	
Yellow-legged Gull																	0		0	0	
Slaty-backed Gull																	0		0	0	
Pallas's Gull																	0		0	0	
Large Gull spp.																	0		0	0	
Brown-headed Gull																	0		0	0	
Black-headed Gull	0	0						0			0	0	0	0	0	0	0	0	0	0	
Saunders's Gull																	0		0	0	
Whiskered Tern																	0		0	0	15
White-winged Tern																	0		0	0	5
Gull-billed Tern																	0		0	0	
Caspian Tern																	0		0	0	
Total	177	67	950	475	131	Combined to DBC	Combined to DBC	76	24	26	59	70	91	105	39	210	331	606	1147	2500	402
	Deep Bay Area	%	Ramsar Site	%	SW	SI															
Cormorants	0	0.0	0	0.0	0	0															
Ardeids etc	2179	87.2	1053	91.8	94	375															
Ducks, grebes, pelicans	75	3.0	26	2.3	0	5															
Rails, Coot etc	61	2.4	19	1.7	0	2															
Waders	185	7.4	49	4.3	0	0															
Gulls and terns	0	0.0	0	0.0	0	20															
TOTAL	2500		1147		94	402															
Date of count: 8 June 2008																					
n/c = site not counted High tide measured at TBT:																					
# indicates count consists of or includes a count made up to one week either side of the count date																					
% = count made at evening roost																					
Wetland-dependant species																					
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Osprey															1	1			1	2	
Black Kite	0	0						3			1	1	0	0	2	3	2	0	5	10	
White-bellied Sea Eag																0			0	0	
Eastern Marsh Harrier																0			0	0	
Common Buzzard																0			0	0	
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0	
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0	
Peregrine Falcon																0			0	0	
Pied Kingfisher	0	1	9					0	3		0	0	0	0	0	3	0	0	3	16	
Common Kingfisher	0	2	3					0		1	1	0	0	0	1	1	0	0	1	9	
White-throated Kingfisher	0	0						1		1	0	0	0	0	0	0	0	0	0	2	1
Black-capped Kingfisher	0	0						0		0	0	0	0	0	0	0	0	0	0	0	
Red-billed Starling	0	0						0		0	0	0	0	0	0	0	0	0	0	0	
Collared Crow	3	0	8					0	1		1	14	0	0	1	6	14	0	20	34	

**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09 Summer Count July 2008

Summary Report - July 2008

The 2008 July waterbird count was scheduled on 20th. All the area in the whole Deep Bay area and the Ramsar site area were completely surveyed and the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve at Shenzhen were also covered in this count.

A total of 3,363 waterbirds were counted in the whole Deep Bay area, of which 2,001 (60%) were counted in the Ramsar Site area. Ardeids comprised the largest group of the waterbirds with 2,169 (65%) individuals counted and the second largest group is shorebirds with a figure of 1,049 (31%) individuals. A thousand of shorebird presented in the Deep Bay area indicates that the southward migration of shorebird has begun.

A comparison with previous years' counts and the average for the month is provided in Table 1. The whole Deep Bay area figure has a 34% increase and the Ramsar Site figure is doubled from the same figure of the previous year. Both of these figures are also higher than the average figure.

Table 1. Figures of the July waterbird counts 2004-2008.

April	2004	2005	2006	2007	2008	Average*	Std. Dev.*
Deep Bay area	3,945	4,179	2,835	2,518	3,363	2,952	734
Ramsar Site	2,237	2,748	1,255	980	2,001	1,699	592

* Figures of average and the SD are calculated from the count since 1998 to the latest count.

Summary of Waterbird Count, July 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW/LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	17	5						7		1	12	1	7	0	1	12	18	0	30	63	5
Great Crested Grebe																0			0	0	
Great Cormorant	0	0						0			0	0	0	0	0	0	0	0	0	0	
Dalmatian Pelican																0			0	0	
Grey Heron	18	0				5	1	0		1	0	0	0	9	0	4	9	6	19	38	
Purple Heron																0			0	0	
Great Egret	71	5	137	11	31	27	23	49	11	2	7	3	4	0	15	149	62	94	305	545	45
Intermediate Egret	0	0						0			0	0	0	20	0	14	20	0	34	34	
Little Egret	25	19	413	3	13	16	60	317	56		22	24	47	0	40	108	390	105	603	1163	13
Swinhoe's Egret																0			0	0	
Pacific Reef Egret																0			0	0	
Cattle Egret	7	1	22	2				0			1	0	0	15	0	37	15	2	54	85	30
Chinese Pond Heron	15	13	25					9	5		21	19	15	1	19	6	56	0	62	148	3
Striated Heron	0	0	2					0			0	2	0	1	0	6	3	0	9	11	
B-c Night Heron	8	10	98				3	1			2	1	4	0	4	7	9	3	19	138	20
Yellow Bittern	0	0						1		2	0	0	0	0	0	1	0	0	1	4	
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill																0			0	0	
Black-faced Spoonbill																3			3	3	
Common Shelduck																0			0	0	
Eurasian Wigeon	0	0						0			0	0	0	0	0	0	0	0	0	0	
Falcated Duck																0			0	0	
Gadwall																0			0	0	
Baikal Teal																0			0	0	
Common Teal	0	0						0			0	0	0	4	0	0	4	0	4	4	
Mallard																0			0	0	
Spot-billed Duck																0			0	0	
Chinese Spotbill																0			0	0	
Burmese Spotbill																0			0	0	
Northern Pintail																0			0	0	
Garganey																0			0	0	
Northern Shoveler																0			0	0	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck																0			0	0	
Greater Scaup																0			0	0	
Red-breasted Merganser																0			0	0	
Duck sp.																0			0	0	
Slaty-breasted Rail																0			0	0	
Water Rail																0			0	0	
White-breasted Waterhen	12	5	10				1	3	1	8	5	2	3	0	3	7	10	1	18	60	1
Watercock	1															0			0	1	
Common Moorhen	0	0	16					0			1	0	0	0	0	0	0	0	0	17	
Eurasian Coot																0			0	0	

Pheasant-tailed Jacana																	0			0	0
Greater Painted Snipe																	0			0	0
Black-winged Stilt	3		22									5	4				4			4	34
Pied Avocet			12										0				0			0	12
Oriental Pratincole													0				0			0	0
Northern Lapwing													0				0			0	0
Grey-headed Lapwing													0				0			0	0
Pacific Golden Plover													0				0			0	0
Grey Plover													10				10			10	10
Common Ringed Plover													0				0			0	0
Little Ringed Plover	30	0	56				0			0	0	0	0	0	0	0	0	0	0	0	86
Kentish Plover			5										0				0			0	5
Lesser Sand Plover													0				0			0	0
Greater Sand Plover			2										1				1			1	3
Black-tailed Godwit													6				6			6	6
Bar-tailed Godwit													1				1			1	1
Whimbrel													0				0			0	0
Eurasian Curlew													60				60			60	60
Far Eastern Curlew													0				0			0	0
Spotted Redshank													0				0			0	0
Common Redshank			8										416				416			416	424
Marsh Sandpiper													7				7			7	7
Common Greenshank													291				291			291	291
Nordmann's Greenshank													0				0			0	0
Green Sandpiper	1	0					0			0	0	0	0	0	0	0	0			0	1
Wood Sandpiper	7	2	24				0		9	0	0	0	1	0	20	7	0			27	63
Terek Sandpiper													8				8			8	8
Common Sandpiper	4	2	6				2	0	1		0	2	2	0	7	0	4	2		6	26
Grey-tailed Tattler													0				0			0	0
Ruddy Turnstone													0				0			0	0
Red-necked Phalarope													0				0			0	0
Pintail Snipe													0				0			0	0
Swinhoe's Snipe													0				0			0	0
Pintail/Swinhoe's Snipe													0				0			0	0
Common Snipe													0				0			0	0
Long-billed Dowitcher													0				0			0	0
Asian Dowitcher													2				2			2	2
Red Knot													0				0			0	0
Great Knot													1				1			1	1
Sanderling													0				0			0	0
Red-necked Stint													0				0			0	0
Little Stint													0				0			0	0
Temminck's Stint													0				0			0	0
Long-toed Stint													0				0			0	0
Pectoral Sandpiper													0				0			0	0
Sharp-tailed Sandpiper													0				0			0	0
Dunlin													0				0			0	0
Curlew Sandpiper													0				0			0	0
Spoon-billed Sandpiper													0				0			0	0
Broad-billed Sandpiper													0				0			0	0
Ruff													0				0			0	0
Small wader spp.													0				0			0	0
Wader sp.			9										0				0			0	9

Black-tailed Gull																	0			0	0	
Heuglin's Gull																	0			0	0	
Yellow-legged Gull																	0			0	0	
Slaty-backed Gull																	0			0	0	
Pallas's Gull																	0			0	0	
Large Gull spp.																	0			0	0	
Brown-headed Gull																	0			0	0	
Black-headed Gull	0	0						0		0	0	0	0	0	0	0	0	0	0	0	0	
Saunders's Gull																	0			0	0	
Whiskered Tern																	0			0	0	
White-winged Tern																	0			0	0	
Gull-billed Tern																	0			0	0	
Caspian Tern																	0			0	0	
Total	219	62	867	16	44	48	90	387	74	23	71	54	82	51	94	1181	607	213	2001	3363	117	
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	0	0.0	0	0.0	0	0																
Ardeids etc	2169	64.5	1109	55.4	0	111																
Ducks, grebes, pelicans	67	2.0	34	1.7	0	5																
Rails, Coot etc	78	2.3	18	0.9	0	1																
Waders	1049	31.2	840	42.0	0	0																
Gulls and terns	0	0.0	0	0.0	0	0																
TOTAL	3363		2001		0	117																
Date of count: 20 Jul 2008																						
n/c = site not counted																						
# indicates count consists of or includes a count made up to one week either side of the count date																						
% = count made at evening roost																						
Wetland-dependant species																						
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW/LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet	
Osprey										1						0			0	1		
Black Kite	3	2						0			0	1	0	0	4	0	1	0	1	10		
White-bellied Sea Eag																0			0	0		
Eastern Marsh Harrier																0			0	0		
Common Buzzard																0			0	0		
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon																0			0	0		
Pied Kingfisher	2	6	5					0	2		0	0	1	1	1	1	2	0	3	19		
Common Kingfisher	1	7	1					4		3	2	0	2	1	1	3	7	0	10	25		
White-throated Kingfisher	1	2	5	1		2	1	6	5	4	0	3	3	0	4	6	11	4	21	43	1	
Black-capped Kingfisher	0	0						0			0	0	0	0	0	0	0	0	0	0		
Red-billed Starling	0	0						0	12		0	0	0	0	0	0	0	0	0	12		
Collared Crow	0	0	5					0		2	0	18	4	0	0	0	22	0	22	29		

**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09 Summer Count August 2008

Summary Report - August 2008

The 2008 August waterbird count was conducted on 17th. The count successfully cover all areas of the whole Deep Bay area and the Ramsar site area including the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve at Shenzhen.

A total of 5,532 waterbirds were counted in the whole Deep Bay area, of which 3,493 (63%) were recorded in the Ramsar Site area. The largest waterbird group comprised the shorebirds at 2,795 (51%) individuals, which were followed by the Ardeids at 2,564 (46%) individuals. Large number of shorebird presented in the Deep Bay area indicated that the migrant shorebirds have started the southward migration.

A comparison with previous years' counts and the average for the month is provided in Table 1. Both figures are the new high figures since the commencement of this monitoring programme in 1998. There are 27% and 30% increases to the previous year's figure of the whole Deep Bay area and the Ramsar site respectively, while these figures are also higher than the average figures in 39% and 34% respectively.

Table 1. Figures of the August waterbird counts 2003-2008.

April	2003	2004	2006	2007	2008	Average*	Std. Dev.*
Deep Bay area	3,060	4,807	4,802	4,361	5,532	3,979	927
Ramsar Site	1,588	2,420	3,125	2,692	3,493	2,598	527

Note: Count in 2005 was incomplete due to thunderstorm.

* Figures of average and the SD are calculated from the count since 1998 to the latest count.

Summary of Waterbird Count, August 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	20	12						12	2		20	1	18	1	9	6	36	0	42	101	1
Great Crested Grebe																0			0	0	
Great Cormorant	0	0						0			0	0	0	0	0	0	0	0	0	0	
Dalmatian Pelican																0			0	0	
Grey Heron	1	0			1	3	7	6	1		0	0	0	0	0	10	0	11	21	29	
Purple Heron																0			0	0	
Great Egret	17	11	248	3	35	11	73	9	1	7	8	5	4	21	7	101	45	122	268	561	104
Intermediate Egret	3	0				23	3	0			0	0	0	0	0	3	0	26	29	32	
Little Egret	16	20	453	4	52	42	139	100	3	23	20	22	29	40	14	319	205	237	761	1296	37
Swinhoe's Egret																0			0	0	
Pacific Reef Egret																0			0	0	
Cattle Egret	5	4						40			3	0	1	0	0	5	43	0	48	58	
Chinese Pond Heron	43	8	29			7	3	7	3	3	21	12	33	13	24	12	81	10	103	218	2
Striated Heron	0	0						0			0	0	0	0	0	4	0	0	4	4	
B-c Night Heron	1	5	320					3			5	2	4	3	6	12	17	0	29	361	14
Yellow Bittern	0	0						1	2		0	0	0	0	0	0	1	0	1	3	
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill																0			0	0	
Black-faced Spoonbill																2			2	2	
Common Shelduck																0			0	0	
Eurasian Wigeon	0	0						0			0	0	0	0	0	0	0	0	0	0	
Falcated Duck																0			0	0	
Gadwall																0			0	0	
Baikal Teal																0			0	0	
Common Teal	0	0						0			0	0	0	0	0	0	0	0	0	0	
Mallard																0			0	0	
Spot-billed Duck																0			0	0	
Chinese Spotbill																0			0	0	
Burmese Spotbill																0			0	0	
Northern Pintail																0			0	0	
Garganey																0			0	0	
Northern Shoveler																0			0	0	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck																0			0	0	
Greater Scaup																0			0	0	
Red-breasted Merganser																0			0	0	
Duck sp.																0			0	0	
Slaty-breasted Rail																0			0	0	
Water Rail																0			0	0	
White-breasted Waterhen	10	9					1	3	5	1	4	0	2	4	4	6	15	1	22	49	2
Watercock																0			0	0	
Common Moorhen	0	0	12					1			8	0	0	0	0	0	6	0	6	21	
Eurasian Coot																0			0	0	

Pheasant-tailed Jacana																0			0	0		
Greater Painted Snipe																2			2	2		
Black-winged Stilt	1		24									6				23	6		29	54		
Pied Avocet			1													0			0	1		
Oriental Pratincole																0			0	0		
Northern Lapwing																0			0	0		
Grey-headed Lapwing																0			0	0		
Pacific Golden Plover																1			1	1		
Grey Plover																0			0	0		
Common Ringed Plover																0			0	0		
Little Ringed Plover	69	1	40				0	13		0	0	3	10	0	0	1	16	0	17	137		
Kentish Plover																0			0	0		
Lesser Sand Plover																2			2	2		
Greater Sand Plover																288			288	288		
Black-tailed Godwit																145			145	145		
Bar-tailed Godwit																0			0	0		
Whimbrel			3	1												129		1	130	133		
Eurasian Curlew																82			82	82		
Far Eastern Curlew																0			0	0		
Spotted Redshank																6			6	6		
Common Redshank	1		2													302			302	305		
Marsh Sandpiper																51			51	51		
Common Greenshank			65					5								830			830	900		
Nordmann's Greenshank																0			0	0		
Green Sandpiper	1	4	3				0	3		0	0	0	0	0	0	0		0	0	11		
Wood Sandpiper	126	1	160				0	68		0	0	0	3	0	105	4	0	109	463			
Terek Sandpiper																35			35	35		
Common Sandpiper	11	4	25				2	1	5	8		6	3	8	2	7	4	27	3	34	86	4
Grey-tailed Tattler																5			5	5		
Ruddy Turnstone																0			0	0		
Red-necked Phalarope																0			0	0		
Pintail Snipe																1			1	1		
Swinhoe's Snipe																0			0	0		
Pintail/Swinhoe's Snipe																0			0	0		
Common Snipe																0			0	0		
Long-billed Dowitcher																0			0	0		
Asian Dowitcher																25			25	25		
Red Knot																1			1	1		
Great Knot																3			3	3		
Sanderling																0			0	0		
Red-necked Stint																10			10	10		
Little Stint																0			0	0		
Temminck's Stint																0			0	0		
Long-toed Stint																4			4	4		
Pectoral Sandpiper																0			0	0		
Sharp-tailed Sandpiper																1			1	1		
Dunlin																0			0	0		
Curlew Sandpiper																38			38	38		
Spoon-billed Sandpiper																0			0	0		
Broad-billed Sandpiper																4			4	4		
Ruff																1			1	1		
Small wader spp.																0			0	0	25	
Wader sp.																0			0	0		

**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09	Summer Count	September 2008
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Summary Report - September 2008

The 2008 September waterbird count took place on 14th. Coverage of the count was complete and all areas including the whole Deep Bay area, the Mai Po Inner Deep Bay Ramsar Site area, the Hong Kong Wetland Park and Futian National Nature Reserve, Shenzhen were surveyed.

A total of 7,368 waterbirds were counted in the whole Deep Bay area, of which 4,534 (62%) were recorded in the Ramsar Site area. The Shorebirds (also known as Waders) counted at 4,740 (64%) comprised the largest group of waterbirds in this count, while it is seconded by the Ardeids at 2,291 individuals (31%). Small numbers of ducks were also recorded in this count, indicating that some wintering waterbirds have also returned to Deep Bay.

A comparison with previous year's counts and the average for the month is provided in table 1. Both figures of the whole Deep Bay area and the Ramsar Site are higher than the average figures. The figure of the whole Deep Bay area is actually the second highest count of this month since the commencement of this programme, while the figure of the Ramsar Site has an increase of 6% from the previous year and 18% from the average figure.

Table 1. Figures of the September waterbird counts 2004-2008.

April	2004	2005	2006	2007	2008	Average*	Std. Dev.*
Deep Bay area	4,916	6,695	5,899	8,170	7,368	5,714	1,385
Ramsar Site	3,450	4,920	3,816	4,262	4,534	3,835	729

* Figures of average and the SD are calculated from the count since 1998 to the latest count.

Summary of Waterbird Count, September 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	25	11	5					12	4		22	0	14	6	6	9	40	0	49	114	5
Great Crested Grebe																0			0	0	
Great Cormorant	0	0						0			0	0	0	0	0	0	0	0	0	0	
Dalmatian Pelican																0			0	0	
Grey Heron	31	4	37		5			27	1		3	10	1	6	0	46	33	5	84	171	1
Purple Heron																0			0	0	
Great Egret	68	9	267		32			45	6	5	15	24	37	3	7	36	93	57	186	554	128
Intermediate Egret	14	0						0	1		0	0	1	2	0	6	3	0	9	24	2
Little Egret	83	33	467		49			116	88	42	79	31	43	22	25	43	283	49	375	1121	70
Swinhoe's Egret																0			0	0	
Pacific Reef Egret																0			0	0	
Cattle Egret	0	1						9			0	3	0	1	9	0	13	0	13	23	5
Chinese Pond Heron	32	29	69					10	13		29	8	12	24	27	7	80	0	87	260	
Striated Heron	1	0						0			0	0	0	1	0	1	2	0	3	3	
B-c Night Heron	2	1	101					3			2	0	0	4	0	14	9	0	23	127	
Yellow Bittern	0	0	2					0	2		0	0	0	1	1	0	1	0	1	6	
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill																0			0	0	
Black-faced Spoonbill																2			2	2	
Common Shelduck																0			0	0	
Eurasian Wigeon	0	0						0			0	0	0	0	0	0	0	0	0	0	
Falcated Duck																0			0	0	
Gadwall																0			0	0	
Baikal Teal																0			0	0	
Common Teal	0	0						0			0	0	0	0	0	17	0	0	17	17	
Mallard																0			0	0	
Spot-billed Duck																0			0	0	
Chinese Spotbill																0			0	0	
Burmese Spotbill																0			0	0	
Northern Pintail																0			0	0	
Garganey																41			41	41	
Northern Shoveler																0			0	0	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck																0			0	0	
Greater Scaup																0			0	0	
Red-breasted Merganser																0			0	0	
Duck sp.			120													0			0	120	
Slaty-breasted Rail																0			0	0	
Water Rail																0			0	0	
White-breasted Waterhen	5	3	2					1	2	1	1	0	2	1	7	3	7	0	10	28	1
Watercock																0			0	0	
Common Moorhen	0	0	16					1			0	0	0	0	0	0	1	0	1	17	
Eurasian Coot																0			0	0	

Pheasant-tailed Jacana																0			0	0	
Greater Painted Snipe																0			0	0	
Black-winged Stilt	16		378				3	7		1	13		1	8	42	18		60	469	2	
Pied Avocet															0			0	0		
Oriental Pratincole												1			0	1		1	1		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															0			0	0		
Grey Plover															0			0	0		
Common Ringed Plover															0			0	0		
Little Ringed Plover	34	12	12				6		4	0	3	0	3	0	16	0	16	74			
Kentish Plover															0			0	0		
Lesser Sand Plover															0			0	0		
Greater Sand Plover			1												3		3	4			
Black-tailed Godwit															368		368	368			
Bar-tailed Godwit															0		0	0			
Whimbrel			7												91		91	98			
Eurasian Curlew			3												107		107	110			
Far Eastern Curlew															0		0	0			
Spotted Redshank															58		58	58			
Common Redshank			97												258		258	355			
Marsh Sandpiper	2		3												889		889	894			
Common Greenshank	2		53				156						1	1444		1444	1656				
Nordmann's Greenshank															0		0	0			
Green Sandpiper	7	2				0	2		0	0	1	2	0	0	3	0	3	14			
Wood Sandpiper	94	9	98			0	58		3	0	0	1	0	249	11	0	260	512			
Terek Sandpiper															6		6	6			
Common Sandpiper	7	5	13			2	5		7	6	5	4	19	1	24	0	25	74	4		
Grey-tailed Tattler															2		2	2			
Ruddy Turnstone															0		0	0			
Red-necked Phalarope															0		0	0			
Pintail Snipe															2		2	2			
Swinhoe's Snipe															0		0	0			
Pintail/Swinhoe's Snipe	1														0	1	1	1			
Common Snipe	2														0		0	2			
Long-billed Dowitcher															0		0	0			
Asian Dowitcher															0		0	0			
Red Knot															0		0	0			
Great Knot															35		35	35			
Sanderling															0		0	0			
Red-necked Stint															0		0	0			
Little Stint															0		0	0			
Temminck's Stint															0		0	0			
Long-toed Stint															0		0	0			
Pectoral Sandpiper															0		0	0			
Sharp-tailed Sandpiper															0		0	0			
Dunlin															0		0	0			
Curlew Sandpiper															3		3	3			
Spoon-billed Sandpiper															0		0	0			
Broad-billed Sandpiper															0		0	0			
Ruff															1		1	1			
Small wader spp.															0		0	0			
Wader sp.			1												0		0	1			

Summary of Waterbird Count, October 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	21	6	6					20	7		28	0	31	4	7	13	63	0	76	143	
Great Crested Grebe																0			0	0	
Great Cormorant	9	15	502					16			2	2	27	59	5	71	95	3	169	708	
Dalmatian Pelican																0			0	0	
Grey Heron	113	17	141	4	34	12	6	65	34	17	13	20	11	5	3	77	69	73	219	572	25
Purple Heron																0			0	0	
Great Egret	28	22	254	252	62	15	8	108	3	60	8	14	13	2	8	59	89	390	538	916	176
Intermediate Egret	6	0		3				0	2		1	3	0	0	0	8	4	3	15	23	
Little Egret	37	37	540	60	16	6	12	31		23	46	13	21	15	42	59	99	115	273	958	63
Swinhoe's Egret																0			0	0	
Pacific Reef Egret																0			0	0	
Cattle Egret	0	0						0	1		9	18	1	25	0	3	46	0	49	57	2
Chinese Pond Heron	35	15	63			3		2		5	24	14	10	15	11	21	62	3	86	218	7
Striated Heron	0	0						0			0	0	0	0	0	1	0	0	1	1	
B-c Night Heron	5	2	182					0			0	1	1	2	1	12	4	0	16	206	35
Yellow Bittern	0	0						0			0	0	0	1	0	1	1	0	2	2	1
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill																0			0	0	
Black-faced Spoonbill				2												0		2	2	2	
Common Shelduck																0			0	0	
Eurasian Wigeon	0	0						0			0	0	0	0	0	0	0	0	0	0	
Falcated Duck																0			0	0	
Gadwall																0			0	0	
Baikal Teal																0			0	0	
Common Teal	3	0		1				0			0	0	0	0	0	377	0	1	378	381	
Mallard																0			0	0	
Spot-billed Duck																0			0	0	
Chinese Spotbill																1			1	1	
Burmese Spotbill																0			0	0	
Northern Pintail				4												9		4	13	13	
Garganey																140			140	140	
Northern Shoveler				85												2		85	87	87	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck																0			0	0	
Greater Scaup																0			0	0	
Red-breasted Merganser																0			0	0	
Duck sp.			700													0			0	700	
Slaty-breasted Rail																0			0	0	
Water Rail																0			0	0	
White-breasted Waterhen	3	4	6					3	1		4	2	2	2	6	3	11	1	15	36	2
Watercock																0			0	0	1
Common Moorhen	1	0	9					5	2		3	0	0	0	0	3	3	0	6	23	
Eurasian Coot																0			0	0	

Pheasant-tailed Jacana																	0		0	0				
Greater Painted Snipe																	0		0	0				
Black-winged Stilt	36		560	188							31						0	5	188	193	820			
Pied Avocet				16													0		16	16	16			
Oriental Pratincole																	0			0	0			
Northern Lapwing																	0			0	0			
Grey-headed Lapwing																	1			1	1			
Pacific Golden Plover	1																4			4	5			
Grey Plover				19													0		19	19	19			
Common Ringed Plover																	0			0	0			
Little Ringed Plover	59	1	7								0	6	4	1	1	0	0	3	34	0	37	82		
Kentish Plover																	4			4	4			
Lesser Sand Plover																	2			2	2			
Greater Sand Plover																	14			14	14			
Black-tailed Godwit																	426			426	426			
Bar-tailed Godwit				1													0		1	1	1			
Whimbrel				10													0		10	10	10			
Eurasian Curlew			1														121			121	122			
Far Eastern Curlew				1													0		1	1	1			
Spotted Redshank																	42			42	42			
Common Redshank											4						323			323	327			
Marsh Sandpiper	2										3						1944			1944	1949			
Common Greenshank	8		79								103						871			871	1061			
Nordmann's Greenshank																	0			0	0			
Green Sandpiper	4	4									0	7	0	0	1	0	1	8	0	9	17			
Wood Sandpiper	40	0	73								0	68	3	2	7	0	1	159	21	0	180	353		
Terek Sandpiper																	6			6	6			
Common Sandpiper	8	4	9								1	2	1	11	7	11	2	12	4	32	0	36	72	4
Grey-tailed Tattler																	0			0	0			
Ruddy Turnstone																	0			0	0			
Red-necked Phalarope																	0			0	0			
Pintail Snipe																	0			0	0			
Swinhoe's Snipe																	0			0	0			
Pintail/Swinhoe's Snipe	1																3			3	4			
Common Snipe	12		8														1	8		9	21			
Long-billed Dowitcher																	0			0	0			
Asian Dowitcher																	0			0	0			
Red Knot																	3			3	3			
Great Knot				1													8		1	9	9			
Sanderling																	0			0	0			
Red-necked Stint																	0			0	0			
Little Stint																	0			0	0			
Temminck's Stint	3																0	3		3	3			
Long-toed Stint																	0			0	0			
Pectoral Sandpiper																	0			0	0			
Sharp-tailed Sandpiper																	2			2	2			
Dunlin																	0			0	0			
Curlew Sandpiper																	0			0	0			
Spoon-billed Sandpiper																	0			0	0			
Broad-billed Sandpiper																	0			0	0			
Ruff				1													0			0	1			
Small wader spp.																	0			0	0			
Wader sp.																	0			0	0			

**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09	Winter Count	November 2008
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Summary Report – November 2008

The 2008 November waterbird count took place on 16th. The coverage of this count is complete as all the areas of the whole Deep Bay area including the Hong Kong Wetland Park at Tin Shui Wan and the Ramsar site area, and the Futian National Nature Reserve at Shenzhen, China were surveyed.

A total of 34,071 waterbirds were recorded in the whole Deep Bay area, of which 16,463 (48%) were recorded in the Ramsar site. Ducks and grebes were counted at 17,389 individuals (51%), comprising to the largest waterbird group in this count. Shorebird was the second largest group in a figure of 6,131 (18%) and arrival of some wintering Great Cormorants in a figure of 4,975 (15%) that was the third largest waterbird group in this count.

Table 1 shows counts from last five consecutive years and the averages for comparison. The figure of the whole Deep Bay area is the third highest count since the commencement of this programme in 1998, although it has a decrease of 39% from the previous year's figure (which is the highest count in all November counts). However, the figure of Ramsar Site is a new low figure since 1998 and it has a decrease of 29% from the previous year. Also, the figure of the Deep Bay area is 10% higher and the Ramsar Site figure is 17% lower than the average figure.

Table 1. Figures of the November waterbird counts 2003-2007.

April	2004	2005	2006	2007	2008	Average*	Std. Dev.*
Deep Bay area	24,991	27,372	30,725	55,808	34,071	30,987	9,142
Ramsar Site	18,197	18,019	22,947	23,229	16,463	19,934	3,027

* Figures of average and the SD are calculated from the count since 1998 to the latest count.

Summary of Waterbird Count, November 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	15	5	2				2	32	2		14	0	24	5	4	21	57	2	80	126	6
Great Crested Grebe			33			2	1									0		3	3	36	
Great Cormorant	798	171	80	30	18		18	89	109	2	13	9	551	237	16	2834	868	66	3768	4975	
Dalmatian Pelican																0			0	0	
Grey Heron	268	20	154	15	3		33	29	93	11	12	17	9	6	5	147	46	53	246	822	44
Purple Heron																0			0	0	
Great Egret	20	16	313	346	139	16	82	15	3	42	4	59	9	20	15	68	85	588	741	1167	109
Intermediate Egret	14	0		2			1	0	6		0	25	6	0	0	12	31	3	46	66	
Little Egret	54	37	238	50	26	13	52	6	5	101	18	32	9	6	42	23	61	141	225	712	48
Swinhoe's Egret																0			0	0	
Pacific Reef Egret																0			0	0	
Cattle Egret	0	2						1			0	0	2	0	14	1	3	0	4	20	1
Chinese Pond Heron	14	9	12	2			1	5		3	17	4	7	16	16	10	42	3	55	116	4
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0	
B-e Night Heron	1	0	3					0			2	3	0	8	0	0	8	0	8	17	21
Yellow Bittern	0	0						0			0	0	0	1	0	0	1	0	1	1	
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill																1			1	1	
Black-faced Spoonbill			96	2												215		2	217	313	
Common Shelduck																0			0	0	
Eurasian Wigeon	41	0	325	380	15	167		0	38	34	0	0	2	0	0	112	2	562	676	1114	
Falcatid Duck																0			0	0	
Gadwall																0			0	0	
Baikal Teal																0			0	0	
Common Teal	1	5	556	20			50	0	132		0	0	0	0	0	26	0	70	96	790	
Mallard																0			0	0	
Spot-billed Duck																0			0	0	
Chinese Spotbill																0			0	0	
Burmese Spotbill																0			0	0	
Northern Pintail			4	190			3	25	5							113		193	306	340	
Garganey				2					8							0		2	2	10	
Northern Shoveler			2810	2230	466		198	30	2					1		11	1	2894	2906	5748	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck			840		6	9										0		15	15	855	
Greater Scaup																0			0	0	
Red-breasted Merganser																0			0	0	
Duck sp.			8000	370												0		370	370	8370	
Slaty-breasted Rail				1												0		1	1	1	
Water Rail																0			0	0	
White-breasted Waterhen	0	3	5				2	1	1		0	0	0	4	2	0	5	2	7	18	1
Watercock																0			0	0	
Common Moorhen	5	4	24				1	10	12		1	0	0	1	2	21	3	1	25	81	7

Eurasian Coot			50												1			1	51	
Pheasant-tailed Jacana															0			0	0	
Greater Painted Snipe															0			0	0	
Black-winged Stilt		1	158			4	2								1	2	4	7	166	
Pied Avocet			1103												0			0	1103	
Oriental Pratincole															0			0	0	
Northern Lapwing															1			1	1	
Grey-headed Lapwing			2												0			0	2	
Pacific Golden Plover			5	45											0		45	45	50	
Grey Plover					2										0		2	2	2	
Common Ringed Plover															0			0	0	
Little Ringed Plover	5	0	37				5	1	25	2	0	1	0	0	1	8	0	9	77	
Kentish Plover			2	2000					92						0		2000	2000	2094	20
Lesser Sand Plover															0			0	0	
Greater Sand Plover															0			0	0	
Black-tailed Godwit															0			0	0	
Bar-tailed Godwit															0			0	0	
Whimbrel					3				11						0		3	3	14	
Eurasian Curlew			2	106											0		106	106	108	
Far Eastern Curlew															0			0	0	
Spotted Redshank															0			0	0	
Common Redshank			3												0			0	3	
Marsh Sandpiper			11												0			0	11	
Common Greenshank			57		199	8	47		1	9					3		254	257	324	4
Nordmann's Greenshank															0			0	0	
Green Sandpiper	5	2				2	0	3	1	2	4	3	1	3	0	10	2	12	26	
Wood Sandpiper	6	18	40			6	0	2		1	1	0	1	4	0	3	6	9	79	
Terek Sandpiper															0			0	0	
Common Sandpiper	0	4	9			1	1	2	2	11	7	3	3	9	1	21	1	23	53	2
Grey-tailed Tattler															0			0	0	
Ruddy Turnstone															0			0	0	
Red-necked Phalarope															0			0	0	
Pintail Snipe															0			0	0	
Swinhoe's Snipe															0			0	0	
Pintail/Swinhoe's Snipe															1			1	1	
Common Snipe		1	1												1			1	3	
Long-billed Dowitcher															0			0	0	
Asian Dowitcher															0			0	0	
Red Knot															0			0	0	
Great Knot															0			0	0	
Sanderling															0			0	0	
Red-necked Stint				9											0		9	9	9	
Little Stint															0			0	0	
Temminck's Stint			2												0			0	2	
Long-toed Stint			2					1							0			0	3	
Pectoral Sandpiper															0			0	0	
Sharp-tailed Sandpiper															0			0	0	
Dunlin				2000											0		2000	2000	2000	
Curlew Sandpiper															0			0	0	
Spoon-billed Sandpiper															0			0	0	
Broad-billed Sandpiper															0			0	0	
Ruff															0			0	0	

**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09	Winter Count	December 2008
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Summary Report - December 2008

The 2008 December waterbird count took place on 21st. The whole Deep Bay area, including the Mai Po Inner Deep Bay Ramsar site, the Hong Kong Wetland Park at Tin Shui Wai and Futian National Nature Reserve, Shenzhen, China were completely surveyed. In addition, a low-tide count was also conducted on the same day at Tsim Bei Tsui police jetty and the Futian National Nature Reserve in order to provide some supplementary data to the regular high tide count.

During the high tide count a total of 64,902 waterbirds were counted, of which 27,435(42%) were recorded in the Ramsar site area. In fact, the number of waterbirds in the Futian National Nature Reserve, Shenzhen was recorded as 34,959 (54% of the total) individuals. Ducks and grebes counted at 28,633 individuals (44%) comprised the largest group of the waterbird in this count, while the shorebirds counted at 15,510 individuals was the second largest waterbird group. The low tide count recorded a total of 42,191 individuals of waterbirds but it only covered two parts of the whole Deep Bay area. Details are shown in table 1 below.

A comparison with previous year's count and the average for the month is provided in table 2. The figure of the whole Deep Bay area is the highest since the commencement of the monitoring programme and this figure is higher than the previous year's figure and the average figure in 42% and 40% respectively. The Ramsar site figure has a marginal increase of 6% from the previous year's figure but it is still in 12% shorter than the average figure.

Table 1. Numbers of waterbirds in high-tide and low-tide Waterbird Count in the whole Deep Bay area, December 2008. Numbers in the parenthesis are the figures of the Ramsar site, December 2008.

Groups	High-tide count	Low-tide count	Maximum figure
Cormorants	5,496 (4,901)	6 (0)	5,496 (4,901)
Ardeids	3,924 (1,714)	262 (0)	3,924 (1,714)
Ducks, grebes and pelicans	28,633 (9,065)	25,267 (15,500)	28,633 (9,065)
Rails and Coots	127 (73)	0 (0)	127 (73)
Waders	15,510 (7,165)	13,118 (5,900)	15,510 (7,165)
Gulls and terns	11,212 (4,517)	3,538 (3,338)	11,212 (4,517)
Total	64,902 (27,435)	42,191 (24,738)	64,902 (27,435)

Table 2. December waterbird counts 2004-2008.

	2004	2005	2006	2007	2008	Average	Std. Dev.*
						*	
Deep Bay area	42,329	39,894	55,983	45,859	64,902	46,301	8,879
Ramsar Site	33,770	26,813	45,596	25,827	27,435	31,313	6,891

* Figures of average and the SD are calculated from the count since 1998 to the latest count.

Summary of Waterbird Count, December 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet	
Little Grebe	29	16	10					54	5		29	0	36	5	11	29	102	0	131	224	7	
Great Crested Grebe			245		8	35				23						0		43	43	311		
Great Cormorant	229	196	62					49	72	1	40	0	19	23	31	4774	122	5	4901	5496	7	
Dalmatian Pelican																0			0	0		
Grey Heron	161	7	61	27	67			42	21	151	2	13	7	2	8	3	221	39	136	396	793	25
Purple Heron																0			0	0		
Great Egret	51	3	311	63	110			28	49	7	39	16	7	12	13	107	64	205	376	828	103	
Intermediate Egret	2	0						2	0	1		2	0	1	0	0	10	2	2	14	18	1
Little Egret	103	20	807	14	27			94	82	23	107	191	40	24	24	27	92	301	143	536	1675	46
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	1	0						0			3	2	0	0	0	27	2	0	29	33		
Chinese Pond Heron	12	13	29					2	0	3	3	24	2	9	18	13	10	41	2	53	138	5
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	2	2	10					0			1	0	0	0	0	0	0	0	0	0	15	4
Yellow Bittern	0	0	1					0			0	0	0	0	0	0	0	0	0	0	1	
Cinnamon Bittern																0			0	0		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																2			2	2		
Black-faced Spoonbill	32		32	1	37			6	23		13				17	260	10	38	308	421		
Common Shelduck			9													0			0	9		
Eurasian Wigeon	124	0	568					0	31	4	5	8	0	0	3	149	8	0	157	892		
Falcated Duck																0			0	0		
Gadwall																2			2	2		
Baikal Teal																0			0	0		
Common Teal	117	0	1958					140	0	104		0	0	0	0	13	0	140	153	2332	3	
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail	17		30							130						206			206	383		
Garganey																0			0	0		
Northern Shoveler	1		9720							44						201			201	9966		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	8		630					29	4							30			30	701		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.			5620	4562	200	3380			51							0		8142	8142	13813		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	2	4	6					1	7		1	0	1	2	0	2	11	1	14	26	2	
Watercock																0			0	0		
Common Moorhen	14	5	5					11	1	15		17	0	0	2	3	21	11	53	94	20	
Eurasian Coot		1														6			6	7		

Pheasant-tailed Jacana																	0		0	0
Greater Painted Snipe																	0		0	0
Black-winged Stilt			260														0		0	260
Pied Avocet			4695	5720												5720		5720	10415	
Oriental Pratincole																	0		0	0
Northern Lapwing																	0		0	0
Grey-headed Lapwing																	0		0	0
Pacific Golden Plover																	0		0	0
Grey Plover																	0		0	0
Common Ringed Plover																	0		0	0
Little Ringed Plover	3	0		13				0	6	41	2	0	1	0	6	34	4	13	51	106
Kentish Plover										19							0		0	19
Lesser Sand Plover																	0		0	0
Greater Sand Plover																	0		0	0
Black-tailed Godwit			370														0		0	370
Bar-tailed Godwit																	0		0	0
Whimbrel				1						6							0	1	1	7
Eurasian Curlew			132	713						2							0	713	713	847
Far Eastern Curlew				1													0	1	1	1
Spotted Redshank							1										0	1	1	1
Common Redshank			29	130													0	130	130	159
Marsh Sandpiper																	0		0	0
Common Greenshank			1215	497			1			2						2		498	500	1717
Nordmann's Greenshank																	0		0	0
Green Sandpiper	3	8					1			0	7	5	0	3	1	14	0	15	28	
Wood Sandpiper	13	8	160				0			2	0	0	0	11	0	2	0	2	194	
Terek Sandpiper																	0		0	0
Common Sandpiper	4	9	9				1	1	2	5	5	6	3	16	0	19	0	19	61	
Grey-tailed Tattler																	0		0	0
Ruddy Turnstone																	0		0	0
Red-necked Phalarope																	0		0	0
Pintail Snipe																	0		0	0
Swinhoe's Snipe																	0		0	0
Pintail/Swinhoe's Snipe							1				1				1	1		2	3	
Common Snipe	2															1		1	3	
Long-billed Dowitcher																	0		0	0
Asian Dowitcher																	0		0	0
Red Knot																	0		0	0
Great Knot																	0		0	0
Sanderling																	0		0	0
Red-necked Stint																	0		0	0
Little Stint																	0		0	0
Temminck's Stint				8													0	8	8	8
Long-toed Stint																	0		0	0
Pectoral Sandpiper																	0		0	0
Sharp-tailed Sandpiper																	0		0	0
Dunlin				1													0	1	1	1
Curlew Sandpiper																	0		0	0
Spoon-billed Sandpiper																	0		0	0
Broad-billed Sandpiper																	0		0	0
Ruff																	0		0	0
Small wader spp.																	0		0	0
Wader sp.			1310														0		0	1310

Black-tailed Gull																		0		0	0	
Heuglin's Gull				32														0	32	32	32	
Yellow-legged Gull																		0		0	0	
Slaty-backed Gull																		0		0	0	
Pallas's Gull																		0		0	0	
Large Gull spp.																		0		0	0	
Brown-headed Gull																		0		0	0	
Black-headed Gull	0	0	6665	480	100	3870	20	0	0	30	0	13	0	0	0	0	13	4470	4483	11178		
Saunders's Gull																		0		0	0	
Whiskered Tern																		0		0	0	
White-winged Tern																		0		0	0	
Gull-billed Tern																		0		0	0	
Caspian Tern				2														0	2	2	2	
Total	930	292	34959	12265	549	7285	342	300	672	281	364	92	116	97	157	6201	776	20458	27435	64902	223	
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	5496	8.5	4901	17.9	0	7																
Ardeids etc	3924	6.0	1714	6.2	0	184																
Ducks, grebes, pelicans	28633	44.1	9065	33.0	0	10																
Rails, Coot etc	127	0.2	73	0.3	0	22																
Waders	15510	23.9	7165	26.1	0	0																
Gulls and terns	11212	17.3	4517	16.5	0	0																
TOTAL	64902		27435		0	223																
Date of count: 21 Dec 2008																						
n/c = site not counted High tide measured at TBT:																						
# indicates count consists of or includes a count made up to one week either side of the count date																						
% = count made at evening roost																						
Wetland-dependant species																						
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet	
Osprey			2	5	6											1			1	14		
Black Kite	1	8	19					15			2	12	53	1	4	10	81	0	91	125		
White-bellied Sea Eag																0			0	0		
Eastern Marsh Harrier	1		2													0			0	3		
Common Buzzard			2						1							4			4	7		
Greater Spotted Eagle	0	0	1					0			0	0	0	0	0	1	0	0	1	2		
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon	1		1													0			0	2		
Pied Kingfisher	0	8			1			0	4		1	0	0	0	0	1	1	1	3	15	4	
Common Kingfisher	5	2	1					0	1		7	1	1	2	0	5	11	0	16	25	3	
White-throated Kingfisher	2	1	1		1			2	1		0	0	1	2	2	3	5	1	9	16	5	
Black-capped Kingfisher	0	0	1					0			0	0	0	0	0	0	0	0	1	1		
Red-billed Starling	2	69	60					0			62	812	2	5	68	20	44	0	64	1100		
Collared Crow	0	0	4		2			1	2		2	48	1	0	0	8	26	2	36	68		

**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09

Winter Count

January 2009

Summary Report - January 2009

The 2009 January waterbird count took place on 18th and the count completely covered all the Deep Bay area, including the Mai Po Inner Deep Bay Ramsar site, the Hong Kong Wetland Park at Tin Shui Wai and Futian National Nature Reserve, Shenzhen, China. A supplementary low-tide count was also conducted in the same day during the low tide period in order to providing additional information of the numbers of waterbird presented in the area. The low-tide count covered the intertidal mudflat of the Deep Bay and made at Tsim Bei Tsui jetty and Futian National Nature Reserve.

A total of 71,264 waterbirds were counted in the high tide count and the cormorant roosting count, of which 30,539 (43%) waterbirds were presented in the Ramsar area. The largest group of waterbird was Ducks and grebes comprised a total of 34,283 (48%) individuals and numbers of shorebirds was counted at 17,988 (25%) individuals, being the second largest group. During the low-tide count, only a total of 22,167 waterbirds were counted in the intertidal mudflat area, of which 9,304 (42%) individuals were recorded in the Ramsar area. Details of both high and low tide counts are listed in table 1. The actual number of waterbird presented in the area might be higher than these presented figures because some waterbirds were seen loafing in the middle of the bay but poor visibility increased difficulty on counting their numbers.

A comparison with previous year's count and the average for the month is provided in table 2. Both figures of the whole Deep Bay area and the Ramsar site are lower than the previous year, but the previous year's count was exceptionally high. The figure of the whole Deep Bay area is actually the second largest one since the commencement of this monitoring programme in 1999. However, the count of the Ramsar site at 30,539 individuals is the third lowest figure since 1999; the two lowest figures are 23,915 in 2004 and 24,740 in 2006.

Table 1. Numbers of waterbirds in high-tide and low-tide Waterbird Count in the whole Deep Bay area, January 2009. Numbers in the parenthesis are the figures of the Ramsar site.

Groups	High-tide count	Low-tide count	Maximum figure
Cormorants	8,736 (3,479)	32 (0)	8,736 (3,479)
Ardeids	3,856 (1,888)	137 (0)	3,856 (1,888)
Ducks, grebes and pelicans	34,283 (7,324)	10,938 (4,711)	34,283 (7,324)
Rails and Coots	460 (67)	283 (0)	460 (67)
Waders	17,988 (12,368)	8,291 (2,191)	17,988 (12,368)
Gulls and terns	5,941 (5,413)	2,486 (2,402)	5,941 (5,413)
Total	71,264 (30,539)	22,167 (9,304)	71,264 (30,539)

Table 2. January waterbird counts 2005-2009.

	2005	2006	2007	2008	2009	Average *	Std. Dev.*
Deep Bay area	54,454	47,627	65,909	90,132	71,264	57,585	12,966
Ramsar Site	34,623	24,740	46,372	56,823	30,539	39,178	10,837

* Figures of average and the SD are calculated from the count since 1998 to the latest count.

Summary of Waterbird Count, January 2009

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet	
Little Grebe	19	15	8					31	5		46	4	16	6	10	50	74	0	124	210	6	
Great Crested Grebe			1			9	2			16						0		11	11	28		
Great Cormorant%	0	331*	279*	32*				88*	62*	6*	128*	1121*	5257	233*	31*	3479	1509*	0	3479	8736	10	
Dalmatian Pelican																0			0	0		
Grey Heron	225	23	91	31	10	2	28	20	170	9	14	25	6	15	5	206	76	71	353	880	22	
Purple Heron																0			0	0		
Great Egret	221	13	158	79	60	7	33	90	15	4	15	42	110	15	7	109	234	182	525	978	116	
Intermediate Egret	6	3		26				0			3	1	8	0	0	3	12	26	41	50		
Little Egret	189	7	237	8	4	17	37	323	1	169	25	85	48	110	63	105	497	72	674	1428	54	
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	0						0			0	1	7	4	0	0	12	0	12	12	1	
Chinese Pond Heron	4	9	10	6		2	5	1	1	4	30	3	14	25	13	4	59	13	76	131	5	
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0						0			0	0	0	0	0	8	0	0	8	8	14	
Yellow Bittern	0	0						0			0	0	0	0	0	0	0	0	0	0		
Cinnamon Bittern																0			0	0		
Great Bittern									1							2			2	3		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill	1															0			0	1		
Black-faced Spoonbill	52		41	18	1		7	26	73	1	1					145	26	26	197	365		
Common Shelduck																0			0	0		
Eurasian Wigeon	0	0	1086	1143	19	445		1	52	745	0	0	0	0	0	210	0	1607	1817	3701		
Falcated Duck																3			3	3		
Gadwall																4			4	4		
Baikal Teal																0			0	0		
Common Teal	46	0	104	42	7	264		0	28		8	0	0	0	0	31	0	313	344	530	10	
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail	1			267				50	57							22		317	339	397		
Garganey									28							3			3	31		
Northern Shoveler	1		4705	128			18									0		146	146	4852		
Common Pochard#																1			1	1		
Baer's Pochard																0			0	0		
Tufted Duck	1		2630					70			3					112		10	122	2816		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.			17300	4410												0		4410	4410	21710		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	2	1	4	1			4	0			2	0	0	5	1	2	5	5	12	22	2	
Watercock																0			0	0		
Common Moorhen	0	28	10					8	4	17	1	12	0	0	3	3	27	16	8	51	113	9
Eurasian Coot		1	320													4			4	325		

Pheasant-tailed Jacana																		0			0	0
Greater Painted Snipe																		0			0	0
Black-winged Stilt			2															0			0	2
Pied Avocet			2900	5290					1									1		5290	5291	8192
Oriental Pratincole																		0			0	0
Northern Lapwing																		0			0	0
Grey-headed Lapwing																		0			0	0
Pacific Golden Plover#				400														0		400	400	400
Grey Plover#				203														0		203	203	203
Common Ringed Plover																		0			0	0
Little Ringed Plover	16	2	47	41			0	43	45	1	0	0	0	5	0	0			41	41	200	
Kentish Plover			6	953					16									0		953	953	975
Lesser Sand Plover#				1														0		1	1	1
Greater Sand Plover																		0			0	0
Black-tailed Godwit#																		476			476	476
Bar-tailed Godwit																		0			0	0
Whimbrel				1					21									0		1	1	22
Eurasian Curlew			30	1028			5		2									0		1033	1033	1065
Far Eastern Curlew																		0			0	0
Spotted Redshank							70	3										0		70	70	73
Common Redshank																		0			0	0
Marsh Sandpiper#				1920			1											0		1921	1921	1921
Common Greenshank			548	612			66		35									11		678	689	1272
Nordmann's Greenshank#				1														0		1	1	1
Green Sandpiper	3	5					2	1	1	6	7	2	0	2	1	14			0	15	30	
Wood Sandpiper	13	10	112				0			14	3	3	0	3	0	13			0	13	158	
Terek Sandpiper																		0			0	0
Common Sandpiper	3	7	5			1	1	2	3	10	10	5	6	6	0	28			1	29	59	1
Grey-tailed Tattler																		0			0	0
Ruddy Turnstone																		0			0	0
Red-necked Phalarope																		0			0	0
Pintail Snipe																		0			0	0
Swinhoe's Snipe																		0			0	0
Pintail/Swinhoe's Snipe																		0			0	0
Common Snipe	3	1																0			0	4
Long-billed Dowitcher																		0			0	0
Asian Dowitcher																		0			0	0
Red Knot																		0			0	0
Great Knot#				21														0		21	21	21
Sanderling																		0			0	0
Red-necked Stint				10														0		10	10	10
Little Stint																		0			0	0
Temminck's Stint#	1			24														0		24	24	25
Long-toed Stint			2	1														0		1	1	3
Pectoral Sandpiper																		0			0	0
Sharp-tailed Sandpiper																		0			0	0
Dunlin#				1175														0		1175	1175	1175
Curlew Sandpiper																		0			0	0
Spoon-billed Sandpiper																		0			0	0
Broad-billed Sandpiper																		0			0	0
Ruff																		0			0	0
Small wader spp.																		0			0	0
Wader sp.				1700														0			0	1700

**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09

Winter Count

February 2009

Summary Report - February 2009

The 2009 February waterbird count was conducted on 15th. This count completely covered the whole Deep Bay area, including the Mai Po Inner Deep Bay Ramsar site, the Hong Kong Wetland Park at Tin Shui Wai and Futian National Nature Reserve, Shenzhen, China. A supplementary low-tide count took place on the same day and counting was conducted at Tsim Bei Tsui police jetty and the Futian National Nature Reserve during the low-tide period.

A total of 78,155 waterbirds were counted in the whole Deep Bay area, of which only 27,526 (35%) were recorded in the Ramsar site area. The largest waterbird group was the ducks and grebes recorded at 38,099 individuals (49%) and shorebirds were the second largest group at 24,069 individuals (31%). The low-tide count could only provide a total figure of 22,847 waterbirds in the inter-tidal mudflat area in the Deep Bay and this could not make supplementary information to the high-tide count. Details are provided in table 1. In this winter, many waterbirds were recorded in the area of the Futian National Nature Reserve and a maximum of 54,382 individuals (70%) were counted in the area, including some birds which were presented in both Hong Kong and Shenzhen side during the count

A comparison with previous year's count and the average for the month is provided in table 2. The figure of the whole Deep Bay area is not only in 61% higher than the average figure, but also a new high figure for this month since the commencement of this programme in 1999. However, the figure of the Ramsar site area has an 32% and 16% decrease from the previous year's figure and the average figure respectively. This figure is also the lowest in the recent five consecutive years.

Table 1. Numbers of waterbirds in high-tide and low-tide Waterbird Count in the whole Deep Bay area, February 2009. Numbers in the parenthesis are the figures of the Ramsar site.

Groups	High-tide count	Low-tide count	Maximum figure
Cormorants	6,249 (5,435)	5 (0)	6,249 (5,435)
Ardeids	4,384 (1,785)	333 (27)	4,384 (1,785)
Ducks, grebes and pelicans	38,099 (3,606)	11,598 (4,525)	38,099 (3,606)
Rails and Coots	415 (54)	306 (0)	415 (54)
Waders	24,069 (12,185)	6,165 (0)	24,069 (12,185)
Gulls and terns	4,939 (4,461)	4,440 (4,230)	4,939 (4,461)
Total	78,155(27,526)	22,847 (8,782)	78,155(27,526)

Table 2. February waterbird counts 2005-2009.

	2005	2006	2007	2008	2009	Average*	Std. Dev.*
Deep Bay area	41,722	56,889	70,303	55,439	78,155	48,400	15,761
Ramsar Site	30,754	42,943	33,782	40,248	27,526	32,584	10,920

* Figures of average and the SD are calculated from the count since 1998 to the latest count.

Summary of Waterbird Count, February 2009

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	25	19	8					44	3		40	0	12	8	12	28	78	0	106	199	5
Great Crested Grebe			48	61	21	34	5			41						0		121	121	210	
Great Cormorant	0	378	80	5				165	172		79	201	41	195	66	4867	563	5	5435	6249	340
Dalmatian Pelican																0			0	0	
Grey Heron	143	24	271	5		15	91	9	172	5	10	17	1	4	5	313	29	112	454	1085	40
Purple Heron																2			2	2	
Great Egret	9	17	190	43	28	16	51	5	17	4	29	9	2	2	19	123	16	139	278	564	98
Intermediate Egret	2	0		18				0			0	0	0	0	1	1	0	18	19	22	1
Little Egret	89	4	964	75	13	45	161	20	16	50	276	38	55	11	82	177	140	294	611	2076	45
Swinhoe's Egret																0			0	0	
Pacific Reef Egret																0			0	0	
Cattle Egret	0	0						2			21	7	17	24	10	0	50	0	50	81	
Chinese Pond Heron	3	19	38					1	2		25	3	0	8	34	15	20	0	35	148	8
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0	
B-c Night Heron	0	0						0			0	0	0	0	0	0	0	0	0	0	45
Yellow Bittern	0	0						0			0	0	0	0	0	0	0	0	0	0	
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill									1							0			0	1	
Black-faced Spoonbill	3		40				10		24	1	1					326		10	336	405	
Common Shelduck				7												0		7	7	7	
Eurasian Wigeon	55	0	2164	1080		480	80	0	59	400	8	0	0	0	0	113	0	1640	1753	4439	
Falcated Duck																0			0	0	
Gadwall																2			2	2	
Baikal Teal																0			0	0	
Common Teal	60	0	1080	361		16		0	2		0	0	0	0	0	62	0	377	439	1581	25
Mallard																1			1	1	
Spot-billed Duck																8			8	8	
Chinese Spotbill																0			0	0	
Burmese Spotbill																0			0	0	
Northern Pintail			106	214		6										0		220	220	326	
Garganey									12							0			0	12	
Northern Shoveler	1		5001	882												29		882	911	5913	
Common Pochard			2													0			0	2	
Baer's Pochard																0			0	0	
Tufted Duck			6680			30		24								8		30	38	6742	
Greater Scaup			7													0			0	7	
Red-breasted Merganser																0			0	0	
Duck sp.			18650													0			0	18650	
Slaty-breasted Rail																0			0	0	
Water Rail																0			0	0	
Ruddy-breasted Crake										1						0			0	1	
White-breasted Waterhen	7	3	6	2				0	1	1	5	0	2	0	3	0	3	2	5	30	5
Watercock																0			0	0	
Common Moorhen	4	11	6					13	25		10	0	0	6	4	26	15	0	41	105	18

Eurasian Coot		1	270														8		8	279	
Pheasant-tailed Jacana																	0		0	0	
Greater Painted Snipe																	0		0	0	
Black-winged Stilt			355														0		0	355	
Pied Avocet			13061	6280*													0	6280	6280	13061	
Oriental Pratincole																	0		0	0	
Northern Lapwing																	0		0	0	
Grey-headed Lapwing																	0		0	0	
Pacific Golden Plover																	0		0	0	
Grey Plover#				582													0	582	582	582	
Common Ringed Plover																	0		0	0	
Little Ringed Plover	2	0	200	60		17	1	16	9	8	0	0	2	0	25	60	85	85	315	3	
Kentish Plover			120					1									0		0	121	
Lesser Sand Plover																	0		0	0	
Greater Sand Plover																	0		0	0	
Black-tailed Godwit#			780	496*													0	496	496	780	
Bar-tailed Godwit#				1													0	1	1	1	
Whimbrel				1				30									0	1	1	31	
Eurasian Curlew#			142*	835				2									0	835	835	837	1
Far Eastern Curlew#				2													0	2	2	2	
Spotted Redshank			300*				61										620		620	681	
Common Redshank#				305													0	305	305	305	
Marsh Sandpiper			765*	2310													0	2310	2310	2310	
Common Greenshank#			555*	570			45	20									14	570	584	649	
Nordmann's Greenshank				1													0	1	1	1	
Green Sandpiper	5	2				3	1		3	3	3	0	3	0	12	0	12	12	23		
Wood Sandpiper	2	10	29			4			8	1	0	1	0	0	12	0	12	12	55	1	
Terek Sandpiper																	0		0	0	
Common Sandpiper	2	5	8			5		4	8	3	1	3	7	0	17	0	17	17	46		
Grey-tailed Tattler																	0		0	0	
Ruddy Turnstone																	0		0	0	
Red-necked Phalarope																	0		0	0	
Pintail Snipe																	0		0	0	
Swinhoe's Snipe																	0		0	0	
Pintail/Swinhoe's Snipe																	1		1	1	
Common Snipe	1											1		1	1		1	1	3	4	
Long-billed Dowitcher				2													3	2	5	5	
Asian Dowitcher																	0		0	0	
Red Knot																	0		0	0	
Great Knot				32													0	32	32	32	
Sanderling																	0		0	0	
Red-necked Stint																	0		0	0	
Little Stint																	0		0	0	
Temminck's Stint	1			1													0	1	1	2	
Long-toed Stint																	0		0	0	
Pectoral Sandpiper																	0		0	0	
Sharp-tailed Sandpiper																	0		0	0	
Dunlin																	0		0	0	
Curlew Sandpiper																	0		0	0	
Spoon-billed Sandpiper																	0		0	0	
Broad-billed Sandpiper																	0		0	0	
Ruff				1													0	1	1	1	
Small wader spp.																	0		0	0	

Wader sp.			3870													0		0	3870		
Black-tailed Gull				1												0		1	1	1	
Mew Gull#				1												0		1	1	1	
Heuglin's Gull				212												0		212	212	212	
Yellow-legged Gull																0			0	0	
Slaty-backed Gull				1												0		1	1	1	
Pallas's Gull																0			0	0	
Large Gull spp.																0			0	0	
Brown-headed Gull																0			0	0	
Black-headed Gull	0	0	348	3819			200		130	1	175	0	0	0	0	0	176	4019	4195	4673	
Saunders's Gull				47												0		47	47	47	
Whiskered Tern																0			0	0	
White-winged Tern																0			0	0	
Gull-billed Tern																0			0	0	
Caspian Tern				4												0		4	4	4	
Total	414	493	54382	11541	62	642	398	512	614	706	533	465	134	263	248	6748	1157	19621	27526	78155	639
	Deep Bay Area	%	Ramsar Site	%	SW	SI															
Cormorants	6249	8.0	5435	19.7	0	340															
Ardeids etc	4384	5.6	1785	6.5	0	237															
Ducks, grebes, pelicans	38099	48.7	3606	13.1	0	30															
Rails, Coot etc	415	0.5	54	0.2	0	23															
Waders	24069	30.8	12185	44.3	0	9															
Gulls and terns	4939	6.3	4461	16.2	0	0															
TOTAL	78155		27526		0	639															
Date of count: 15 Feb 2009																					
n/c = site not counted																					
# indicates count consists of or includes a count made up to one week either side of the count date																					
% = count made at evening roost																					
* indicates count that is not included in the total because of possibly being involved in other counts.																					
Wetland-dependant species																					
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Osprey			5	6	1	2	1	1								1	1		2	17	1
Black Kite	1	3	16	1		1		3			2	2	1	2	6	1	10	2	13	39	
White-bellied Sea Eag																0			0	0	
Eastern Marsh Harrier			2	2												0			0	4	
Common Buzzard								1	1			1				1	1		2	4	1
Greater Spotted Eagle	1	0						0			0	1	0	0	0	1	1	0	2	3	
Imperial Eagle	0	0		1				0			0	0	0	0	0	1	0	1	2	2	
Peregrine Falcon																0			0	0	
Pied Kingfisher	0	0	1				1	1			1	0	0	0	1	1	1	1	3	6	2
Common Kingfisher	1	3	2			1		3	1		3	0	3	6	3	0	13	1	14	26	2
White-throated Kingfisher	1	3	7					2			1	0	1	1	1	1	4	0	5	18	2
Black-capped Kingfisher	0	0	2					0			0	0	0	0	0	0	0	0	0	2	1
Red-billed Starling	80	35	5					0			1	185	2	18	0	0	206	0	206	326	
Collared Crow	0	0						1			0	2	1	0	0	4	4	0	8	8	

**WATERBIRD MONITORING PROGRAMME AT THE
MAI PO INNER DEEP BAY RAMSAR SITE**

Programme 2008/09	Winter Count	March 2009
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Summary Report - March 2009

The 2009 March waterbird count took place on 15th. This count completely covered the whole Deep Bay area, including the Mai Po Inner Deep Bay Ramsar site, the Hong Kong Wetland Park at Tin Shui Wai and Futian National Nature Reserve, Shenzhen, China.

A total of 32,515 waterbirds were counted in the whole Deep Bay area, of which 21,764 (67%) waterbirds were counted in the Ramsar site area. The largest waterbird group in this count was comprised by shorebirds in a total of 12,219 (38%) individuals and Ducks and grebes were the second largest group in a figure 7,825 (24%) individuals. Comparing to figures of these groups in the 2009 February count (38,099 ducks and grebes, and 24,069 shorebirds), many waterbirds have started their northward migration back to their breeding grounds.

A comparison with previous year's count and the average for the month is provided in table 1. The figures of the whole Deep Bay and the Ramsar site in 2008 were the new high for the March count. Therefore, it is not surprising that this year figures could have a decrease of 41% and 28% respectively. However, both figures are still higher than the average figures in 28% and 26% higher than the average figures.

Table 1. March waterbird counts 2005-2009.

	2005	2006	2007	2008	2009	Average*	Std. Dev.*
Deep Bay area	30,259	25,207	36,606	55,156	32,515	25,447	12,564
Ramsar Site	15,391	18,963	23,711	30,324	21,764	17,320	8,049

* Figures of average and the SD are calculated from the count since 1998 to the latest count.

Summary of Waterbird Count, March 2009

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	21	20	7					42	5		26	1	11	7	12	37	58	0	95	189	
Great Crested Grebe			63			2	2									0		4	4	67	
Great Cormorant	122	143	1122	100				102	98	30	47	213	16	59	16	2323	400	100	2823	4391	
Dalmatian Pelican																0			0	0	
Grey Heron	23	2	81	7				8	6	57	13	6	8	1	5	0	232	25	16	273	449
Purple Heron																1			1	1	
Great Egret	41	26	79	77	18	6	22	10	2	60	29	9	13	2	8	31	40	125	196	433	
Intermediate Egret	2	0		19				1	1		2	0	5	0	0	7	8	19	34	37	
Little Egret	125	50	227	70	37	2	135	52	6	40	83	12	27	35	34	75	157	258	490	1010	
Swinhoe's Egret																0			0	0	
Pacific Reef Egret																0			0	0	
Cattle Egret	4	0	3					1			1	5	25	18	10	0	49	0	49	67	
Chinese Pond Heron	11	9	12	5			2	3	1		25	5	13	14	12	8	54	7	69	120	
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0	
B-c Night Heron	0	0	1					0			0	0	0	0	0	0	0	0	0	1	
Yellow Bittern	0	0						0			0	0	0	0	0	0	0	0	0	0	
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill							1									0			0	1	
Black-faced Spoonbill	25		55	2			14		23		25*				15*	126		16	142	245	
Common Shelduck																0			0	0	
Eurasian Wigeon	0	0	906	1068	2	11	33	0	69		0	0	0	0	0	239	0	1114	1353	2328	
Falcated Duck																0			0	0	
Gadwall																0			0	0	
Baikal Teal				1												0		1	1	1	
Common Teal	0	1	520	75			2	0	4		0	0	0	0	0	5	0	77	82	607	
Mallard																0			0	0	
Spot-billed Duck																0			0	0	
Chinese Spotbill																14			14	14	
Burmese Spotbill																0			0	0	
Northern Pintail			18	39												1		39	40	58	
Garganey			6	33					36							0		33	33	75	
Northern Shoveler			1826	630	12		2									181		644	825	2651	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck			1800					15								20			20	1835	
Greater Scaup																0			0	0	
Red-breasted Merganser																0			0	0	
Duck sp.																0			0	0	
Slaty-breasted Rail																0			0	0	
Water Rail																0			0	0	
White-breasted Waterhen	2	2	2					2			1	1	2	0	3	0	2	0	2	15	
Watercock																0			0	0	
Common Moorhen	3	13	10					3	15		5	0	0	2	2	11	7	0	18	64	
Eurasian Coot			11													1			1	12	
Pheasant-tailed Jacana																0			0	0	

Greater Painted Snipe																	0			0	0
Black-winged Stilt			697	14													0		14	14	711
Pied Avocet			3	6951													0		6951	6951	6954
Oriental Pratincole		2		1							2						0	2	1	3	5
Northern Lapwing																	0			0	0
Grey-headed Lapwing																	0			0	0
Pacific Golden Plover																	0			0	0
Grey Plover				51													0		51	51	51
Common Ringed Plover																	0			0	0
Little Ringed Plover	1	14	3				16	4		17	0	0	0	0		0	20	0	20	20	55
Kentish Plover			22														0			0	22
Lesser Sand Plover																	0			0	0
Greater Sand Plover				2													0		2	2	2
Black-tailed Godwit				627													0		627	627	627
Bar-tailed Godwit				1													0		1	1	1
Whimbrel				1													0		1	1	1
Eurasian Curlew				441													0		441	441	441
Far Eastern Curlew				1													0		1	1	1
Spotted Redshank				396													4		396	400	400
Common Redshank			147	70													0		70	70	217
Marsh Sandpiper			1	2062													7		2062	2069	2070
Common Greenshank			119					73									231			231	423
Nordmann's Greenshank				3													0		3	3	3
Green Sandpiper	7	10					1	2		3	1	3	1	1		0	9	0	9	9	29
Wood Sandpiper	1	19	10				1	5		9	2	0	1	2		0	4	0	4	4	50
Terek Sandpiper																	0			0	0
Common Sandpiper	2	12	4			1	3	2		12	7	5	2	6	1	26	1	28	28	57	57
Grey-tailed Tattler																	0			0	0
Ruddy Turnstone																	0			0	0
Red-necked Phalarope																	0			0	0
Pintail Snipe																	0			0	0
Swinhoe's Snipe																	0			0	0
Pintail/Swinhoe's Snipe																	0			0	0
Common Snipe		3								1							0			0	4
Long-billed Dowitcher																	0			0	0
Asian Dowitcher																	0			0	0
Red Knot																	0			0	0
Great Knot				35													0		35	35	35
Sanderling																	0			0	0
Red-necked Stint				10													0			0	10
Little Stint																	0			0	0
Temminck's Stint#				30													0		30	30	30
Long-toed Stint																	0			0	0
Pectoral Sandpiper																	0			0	0
Sharp-tailed Sandpiper																	0			0	0
Dunlin																	0			0	0
Curlew Sandpiper				20													0		20	20	20
Spoon-billed Sandpiper																	0			0	0
Broad-billed Sandpiper																	0			0	0
Ruff																	0			0	0
Small wader spp.																	0			0	0
Wader sp.																	0			0	0
Black-tailed Gull				1													0		1	1	1

Mew Gull				1												0		1	1	1		
Heuglin's Gull				128												0		128	128	128		
Yellow-legged Gull				3												0		3	3	3		
Slaty-backed Gull				1												0		1	1	1		
Pallas's Gull																0			0	0		
Large Gull spp.																0			0	0		
Brown-headed Gull																0			0	0		
Black-headed Gull	0	0	1435	3300	660	60		0			0	15	0	0	0	0	13	4020	4033	5470		
Saunders's Gull				16												0		16	16	16		
Whiskered Tern																0			0	0		
White-winged Tern																0			0	0		
Gull-billed Tern																0			0	0		
Caspian Tern				5												0		5	5	5		
Total	390	326	9200	16287	729	82	221	258	403	143	267	279	123	146	106	3555	874	17335	21764	32515	0	
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	4391	13.5	2823	13.0	0	0																
Ardeids etc	2364	7.3	1254	5.8	0	0																
Ducks, grebes, pelicans	7825	24.1	2467	11.3	0	0																
Rails, Coot etc	91	0.3	21	0.1	0	0																
Waders	12219	37.6	11011	50.6	0	0																
Gulls and terns	5625	17.3	4188	19.2	0	0																
TOTAL	32515		21764		0	0																
Date of count: 15 Mar 2009																						
n/c = site not counted																						
High tide measured at TBT:																						
# indicates count consists of or includes a count made up to one week either side of the count date																						
% = count made at evening roost																						
Wetland-dependant species																						
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet	
Osprey			2	4				1								0	1		1	7		
Black Kite	15	7	2	3				5			4	2	0	2	8	14	13	3	30	62		
White-bellied Sea Eag																0			0	0		
Eastern Marsh Harrier		1		1												1			1	3		
Common Buzzard		1					1	1	1							4	1		5	8		
Greater Spotted Eagle	1	1						0			0	0	0	0	0	0	0	0	0	2		
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon																0			0	0		
Pied Kingfisher	0	2	3					0			0	0	0	2	1	0	2	0	2	8		
Common Kingfisher	0	6	1				1	2	1	1	6	1	3	1	0	1	10	1	12	24		
White-throated Kingfisher	2	2	2				1	0			2	0	2	1	2	0	3	1	4	14		
Black-capped Kingfisher	0	0	1	1				0			0	0	0	0	0	0	0	1	1	2		
Red-billed Starling	19	0						0			83	224	103	30	0	0	420	0	420	459		
Collared Crow	1	0						2			2	20	0	0	0	2	24	0	26	27		