



Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme

Monthly Waterbird Count Data
April 2007 – March 2008



Hong Kong Bird
Watching Society



Agriculture, Fisheries and
Conservation Department

Tender Reference No. AFCD/SQ/19/07

Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Waterbird Count Coordinator

YU Yat Tung

The Hong Kong Bird Watching Society Ltd.

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Report available for public information

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

Programme 2007/08

Summer Count

April 2007

Summary Report - April 2007

Y.T. Yu¹

The 2007 April waterbird count took place on 8th. 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 17,545 waterbirds was counted in the whole Deep Bay area, of which 8,952 (51%) was counted within the Ramsar site area. The largest waterbird group comprised the shorebirds at 14,174 (81%) and the Ardeids is the second largest group at 2,164 (12%). Only 829 (5%) ducks and grebes were present in this count, indicating that many have left the Deep Bay area. A total of 4,500 Pied Avocet *Recurvirostra avosetta* was still present in the Deep Bay area that boosted up the total number of the waterbird in this count. High proportion of shorebirds recorded in this count also indicates that the northward migration of some migratory shorebirds has started.

A comparison with previous year's count and the average for the month is provided in table 1. The figure of the whole Deep Bay is the new high count for this month since the commencement of this programme. It has an increase of 68% from the previous year's count. This increase mainly relates to the increase of waterbird in the Futian area, where is reported that some previously private-owned fishponds in the reserve area have been taken over by the Futian National Nature Reserve office for nature conservation purpose. The figure in the Ramsar site area also has an increase of 23% from the previous year's figure.

Table 1. April waterbird counts 2003-2007.

	2003	2004	2005	2006	2007	Average*	Std. Dev.*
Deep Bay area	9,019	13,681	10,067	10,388	17,545	11,521	2,867
Ramsar Site	7,595	11,748	8,823	7,301	8,953	9,261	1,776

* 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 2007

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW/ LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	33	9	9					25		3	4	0	5	1	10	38	28	1	67	137		10
Great Crested Grebe			62	4												0		4	4	66		
Great Cormorant	0	0	2					0			0	0	0	0	0	0	0	0	0	2		
Dalmatian Pelican																0			0	0		
Grey Heron	57	1	23	4	3	1	1	4		75	0	0	4	0	37	129	5	12	146	339		8
Purple Heron																2			2	2		
Great Egret	21	9	137	81	23	2	29	54	2	2	12	8	7	9	2	82	83	141	306	480		172
Intermediate Egret	4	0	3	22				2		1	0	0	0	0	0	7	2	22	31	39		1
Little Egret	30	56	155	86	38	7	48	59	28	14	41	18	63	19	38	94	179	181	454	794		51
Swinhoe's Egret#				2												0		2	2	2		
Pacific Reef Egret																0			0	0		
Cattle Egret	43	0	2					1	1	4	17	8	5	21	3	3	53	0	56	108		26
Chinese Pond Heron	12	9	26	8		1		2	8		26	3	7	5	39	2	42	9	53	148		2
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0	139					0	1		0	0	0	1	0	3	1	0	4	144		57
Yellow Bittern	0	0						1			0	0	0	0	0	0	0	0	0	1		
Cinnamon Bittern										1						0			0	1		
Great Bittern																1			1	1		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																1			1	1		
Black-faced Spoonbill	18		17							7						62	29*		62	104		
Common Shelduck																0			0	0		
Eurasian Wigeon	0	0	59	129		18		0	5		0	0	0	0	0	16	0	147	163	227		
Falcatated Duck#				8												0		8	8	8		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	0	0						0			0	0	0	0	0	0	0	0	0	0		15
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill	2															0			0	2		
Burmese Spotbill																0			0	0		
Northern Pintail			4	5												3		5	8	12		
Garganey			67								2					25	2		27	94		
Northern Shoveler			263	1												2		1	3	266		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck																17			17	17		
Greater Scaup																0			0	0		
Red-breasted																0			0	0		
Duck sp.																0			0	0		
Slaty-breasted Rail																0			0	0		
Water Rail										1						0			0	1		
White-breasted	5	1	12	2				0		1	5	0	1	2	2	1	10	2	13	32		
Watercock																0			0	0		
Common Moorhen	21	17	56					13		24	14	2	0	5	0	67	26	0	93	219		7
Eurasian Coot																1			1	1		
Pheasant-tailed Jacana																0			0	0		

Greater Painted Snipe														0			0	0		
Black-winged Stilt	16		624						2					5	145		145	792		
Pied Avocet			931*	4500											0	4500	4500	4500		
Oriental Pratincole		10													5		5	15		
Northern Lapwing															0		0	0		
Grey-headed Lapwing															1		1	1		
Pacific Golden Plover	2	1	29					14							0	14	29	46		
Grey Plover															20		20	20		
Common Ringed Plover															0		0	0		
Little Ringed Plover	26	10	4			35	1	4	12	0	0	0	0		3	56	0	95		
Kentish Plover		2													8		8	10		
Lesser Sand Plover			3	11											0	11	11	14		
Greater Sand Plover		1		32											0	32	32	33		
Black-tailed Godwit			1662												1247*		0	1662		
Bar-tailed Godwit															114		114	114		
Whimbrel			1												0	1	1	1		
Eurasian Curlew															50		50	50		
Far Eastern Curlew															5		5	5		
Spotted Redshank			648					79							718*		0	727		
Common Redshank			1057					2							47		47	1106		
Marsh Sandpiper	1	2	1173					25							636		636	1837		
Common Greenshank			967					147							903*		0	1114		
Nordmann's															46		46	46		
Green Sandpiper	6	5				2		7	1	1	0	0			1	9	0	23		
Wood Sandpiper	170	69	27			110		11	42	1	3	0	9		51	186	0	493		
Terek Sandpiper				64											0		64	64		
Common Sandpiper	11	21	11				4	5	7	3	16	6	1	6	4	0	25	4	95	2
Grey-tailed Tattler															0		0	0		
Ruddy Turnstone															2		2	2		
Red-necked Phalarope															0		0	0		3
Pintail Snipe															0		0	0		
Swinhoe's Snipe															0		0	0		
Pintail/Swinhoe's Snipe	1	9													0		0	10		
Common Snipe		3							4						0		0	7		
Long-billed Dowitcher			1												1		1	2		
Asian Dowitcher															1		1	1		
Red Knot															3		3	3		
Great Knot				340											0		340	340		
Sanderling															0		0	0		
Red-necked Stint		10													34		34	44		
Little Stint															0		0	0		
Temminck's Stint	12	1				9		9							0	18	18	31		
Long-toed Stint						6									0	6	6	6		
Pectoral Sandpiper															0		0	0		
Sharp-tailed Sandpiper				7											0		7	7		
Dunlin															0		0	0		
Curlew Sandpiper			3	840											0		840	843		
Spoon-billed Sandpiper															0		0	0		
Broad-billed Sandpiper			3												8		8	11		
Ruff			2												2		2	4		
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	4		4	3		0	8		0	0	1	0	0	3	1	7	11	23		
Saunders's Gull																0			0	0		
Whiskered Tern													1			0	1		1	1		
White-winged Tern																0			0	0		
Gull-billed Tern							6									79			79	85		
Caspian Tern																14			14	14		
Total	489	247	7226	6176	68	32	88	328	75	413	204	47	98	70	149	1835	747	6370	8952	17545	0	354
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	2	0.0	0	0.0	0	0																
Ardeids etc	2164	12.3	1118	12.5	0	317																
Ducks, grebes,	829	4.7	297	3.3	0	25																
Rails, Coot etc	253	1.4	107	1.2	0	7																
Waders	14174	80.8	7325	81.8	0	5																
Gulls and terns	123	0.7	105	1.2	0	0																
TOTAL	17545		8952		0	354																
Date of count: 8 Apr																						
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																						
Counts with asterisks would possibly be involved to the same flock in other																						
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	Shuen Wan	Starling Inlet
Osprey	1		2						1							5			5	9		
Black Kite	1	3						3	1		0	1	1	2	0	3	7	0	10	15		
White-bellied Sea Eag																0			0	0		
Eastern Marsh Harrier	1														1*	0			0	1		
Common Buzzard			2													0			0	2		
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	1	5	4					1	5	3	0	2	0	0	0	4	3	0	7	25		3
Common Kingfisher	1	7	4					2	3	1	1	1	2	1	1	5	6	0	11	29		4
White-throated	1	3	3				1	4	4		0	0	0	0	0	2	4	1	7	18		
Black-capped	0	0						0	4		0	0	0	0	0	1	0	0	1	5		
Red-billed Starling	6	1						0			0	0	0	0	0	12	6	0	18	19		
Collared Crow	2	0	3					0			0	47	0	0	0	12	47	0	59	64		2
Grey-faced Buzzard		28																				
Japanese Sparrowhawk	1																					

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

Programme 2007/08

Summer Count

May 2007

Summary Report – May 2007

Y.T. Yu

The 2007 May waterbird count was conducted on 6th. Coverage of the count is complete to include 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 9,630 waterbirds were counted in the Deep Bay area, of which 7,443 (77%) were recorded within the Ramsar Site area. Waders comprised the largest group (83%) in the count with 7,956 individuals counted and Ardeids is the second largest with 1,468 (15%) individuals. Small numbers (i.e. 95 individuals) of wintering ducks and a single Great Cormorant still remained in the Deep Bay area.

A comparison with previous years' counts and the average for the month is provided in Table 1. The waterbird number in the whole Deep Bay area is the new high figure for this month and the number of the Ramsar site is also the second highest. Both figures have more than 100% increases compared to the previous year's count. This count was scheduled on the early part of this month and it was still the peak period with large number of waders passing through Hong Ko ng.

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

April	2003	2004	2005	2006	2007	Average*	Std. Dev.*
Deep Bay area	3,925	3,133	8,455	4,227	9,630	5,198	2,728
Ramsar Site	3,153	2,302	7,482	3,069	7,443	4,221	2,372

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

Summary of Waterbird Count, May 2007

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	25	6						34	1		13	0	5	3	4	4	32	0	36	95		7
Great Crested Grebe																0			0	0		
Great Cormorant	0	0						0			0	0	0	0	0	1	0	0	1	1		
Dalmatian Pelican																0			0	0		
Grey Heron	8	0	1					0	2		0	1	0	0	0	34	1	0	35	46	1	2
Purple Heron																0			0	0		
Great Egret	5	12	62	4	58	16	14	70	3	10	7	2	21	3	8	80	100	92	272	375	120	123
Intermediate Egret	0	0		2				0	1		1	1	0	0	0	9	2	2	13	14		
Little Egret	10	12	141	76	74	12	5	22	2	18	34	14	19	12	26	44	85	167	296	521	36	18
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	13	8	6					1			2	5	35	6	0	0	21	0	21	76		42
Chinese Pond Heron	10	21	36	10		1		4	3	3	38	3	1	3	4	5	36	11	52	142	1	2
Striated Heron	0	1	4					0			0	0	0	0	0	0	0	0	0	5		
B-c Night Heron	3	1	196					2	3	1	0	0	1	1	0	15	5	0	20	223	11	36
Yellow Bittern	0	0						0	2		0	0	0	1	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									4							59			59	63		
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	8	2	11			2		1	1		3	1	0	2	0	0	7	2	9	31	1	2
Watercock																0			0	0		
Common Moorhen	19	2	21					2	5		2	0	0	2	0	9	8	0	17	62		1
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana																0			0	0		

Greater Painted Snipe																	0			0	0		
Black-winged Stilt			38					12		26				4			74			74	154		
Pied Avocet			200							58		1					745			745	1004		
Oriental Pratincole			1														0			0	1		
Northern Lapwing																	0			0	0		
Grey-headed Lapwing																	0			0	0		
Pacific Golden Plover			26														3			3	29		
Grey Plover																	4			4	4		
Common Ringed Plover																	0			0	0		
Little Ringed Plover	5	1	4					0	2	1	6	0	0	0	1	1	3	0		4	21		
Kentish Plover																	6			6	6		
Lesser Sand Plover																	113			113	113		
Greater Sand Plover																	110			110	110		
Black-tailed Godwit																	43			43	43		
Bar-tailed Godwit																	2			2	2		
Whimbrel			13														72			72	85	1	
Eurasian Curlew																	17			17	17		
Far Eastern Curlew																	2			2	2		
Spotted Redshank			20							10							813			813	843		
Common Redshank			484							14							554			554	1052		
Marsh Sandpiper	7													3			12			12	22		
Common Greenshank	1									250*							1142			1142	1143		
Nordmann's Greenshank																	2			2	2		
Green Sandpiper	0	0						0			0	1	0	0	0	0	1	0		1	1		
Wood Sandpiper	17	1	80					0			4	0	0	0	2	4	0	0		4	108		
Terek Sandpiper			5						1	1							353			353	360		
Common Sandpiper	11	16	9					5	8	4	5	10	1	3	1	2	24	0		26	75		2
Grey-tailed Tattler			6							1							5			5	12	3	9
Ruddy Turnstone																	100			100	100		
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																	116			116	116		
Red Knot																	144			144	144		
Great Knot																	9			9	9		
Sanderling									4								3			3	7		
Red-necked Stint	119	24	13												32	1186			1186	1374			
Little Stint																	1			1	1		
Temminck's Stint																	0			0	0		
Long-toed Stint	2	12											20				5	20		25	39		
Pectoral Sandpiper																	0			0	0		
Sharp-tailed Sandpiper																	175			175	175		
Dunlin																	0			0	0		
Curlew Sandpiper			44							2							699			699	745		
Spoon-billed Sandpiper																	0			0	0		
Broad-billed Sandpiper																	35			35	35		
Ruff			1														1			1	2		
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	1		0	0	0	0	0	0	3	0	0	3	4		
Saunders's Gull																0			0	0		
Whiskered Tern	1	5														0			0	6		
White-winged Tern																0			0	0		
Gull-billed Tern													1			6	1		7	7		
Caspian Tern																0			0	0		
Total	264	124	1422	92	132	31	19	141	77	43	199	38	104	37	85	6822	347	274	7443	9630	174	244
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	1	0.0	1	0.0	0	0																
Ardeids etc	1468	15.2	769	10.3	169	223																
Ducks, grebes, pelicans	95	1.0	36	0.5	0	7																
Rails, Coot etc	93	1.0	26	0.3	1	3																
Waders	7956	82.6	6601	88.7	4	11																
Gulls and terns	17	0.2	10	0.1	0	0																
TOTAL	9630		7443		174	244																
Date of count: 6 May 2007																						
n/c = site not counted																						
# indicates count consists of or includes a count made up to one week either side of the count																						
% = 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	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Osprey			1													0			0	1		
Black Kite	0	0	3					4			1	4	1	0	2	2	8	0	10	17	3	
White-bellied Sea Eag																0			0	0	3	
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	4	7					0	3		2	0	0	2	0	2	4	0	6	20		
Common Kingfisher	1	2	2					4	1		3	0	0	1	0	0	5	0	5	14	2	
White-throated Kingfisher	1	0						0			0	0	0	0	0	0	0	0	0	1		
Black-capped Kingfisher	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		
Collared Crow	0	0	6					7	1		0	20	2	0	0	4	29	0	33	40	2	
Bonelli's Eagle												1										
Crested Serpent Eagle																						2

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

Programme 2007/08

Summer Count

June 2007

Summary Report – June 2007

Y.T. Yu

The 2007 June waterbird count took place on 17th. Coverage of the count was incomplete. Areas of Deep Bay C, D, E and the coastal area between Nim Wan to Lau Fau Shan in outer Deep Bay could not be surveyed in this count because the counter's vehicle broke down in the beginning of the count. The other areas including the Hong Kong Wetland Park, Futian National Nature Reserve at Shenzhen were covered in this count.

A total of 1,657 waterbirds were counted in the Deep Bay area, of which only 501 (30%) were recorded within the Ramsar Site area. Ardeids comprised the largest group in the count of 1,362 individuals (82%). Other notable record was a flock of 15 Black-faced Spoonbills still present in the count.

A comparison with previous years' counts and the average for the month is provided in Table 1. The waterbird number in the whole Deep Bay area has a 45% decrease from the count of the previous year, while the decrease in the Ramsar site area is over 70%. However, this count was incomplete and the actual numbers of the waterbirds present in the whole Deep Bay area and the Ramsar site are likely to be higher than these presented figures.

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

April	2003	2004	2005	2006	2007	Average*	Std. Dev.*
Deep Bay area	1,313	2,697	1,445	3,065	1,657	1,953	864
Ramsar Site	527	2,092	859	1,748	501	1,154	538

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

Summary of Waterbird Count, June 2007

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW/LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	27	3						15			1	0	0	5	7	11	15	0	26	69		4
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	10	0						0		1	0	0	0	0	1	8	0	0	8	20	2	
Purple Heron																2			2	2		
Great Egret	12	12	85					16		4	4	9	15	21	4	19	59	2	80	201	90	85
Intermediate Egret	3	0						0		2	0	0	0	0	0	1	0	0	1	6		
Little Egret	5	14	363					73		2	15	12	8	6	7	9	100	4	113	514	31	12
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	24	5	22					0			4	6	5	0	2	24	11	0	35	92		79
Chinese Pond Heron	12	14	19					4		2	10	8	3	8	17	0	23	1	24	97	3	
Striated Heron	0	0	3					0			0	0	1	0	0	21	0	0	21	25		
B-c Night Heron	1	7	327					10			4	1	8	6	1	20	29	0	49	385	3	32
Yellow Bittern	0	0	3					0		2	0	0	0	0	0	0	0	0	0	5		
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																15			15	15		
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	3	0	0	3	3		
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																1			1	1		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck																1			1	1		
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	9	13	10					1		3	6	0	2	0	0	5	8	0	13	49	3	
Watercock																0			0	0		
Common Moorhen	0	0	22					0			0	0	0	0	0	0	0	0	0	22		
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana																0			0	0		

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

Programme 2007/08

Summer Count

July 2007

Summary Report - July 2007

Y.T. Yu

The 2007 July waterbird count was conducted on 15th. Coverage of the count was complete in both the whole Deep Bay area and the Ramsar site area. The area of 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 2,518 waterbirds were counted in the Deep Bay area, of which only 980 (39%) were recorded within the Ramsar Site area. The largest group was comprised by Ardeids with the count of 1,877 individuals (75%). The second largest group in this count was Shorebirds counted at 491 individuals (20%), indicating that the autumn migration has started. Other notable record was a flock of 12 Black-faced Spoonbills still present in the count, a new high figure of this species in summer.

A comparison with previous years' counts and the average for the month is provided in Table 1. Both figures of the waterbird in the whole Deep Bay area and the Ramsar site area are lower than the previous year's figure and the average figure. The figure of the Ramsar site is also a new low count since the commencement of this monitoring programme in 1998.

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

April	2003	2004	2005	2006	2007	Average*	Std. Dev.*
Deep Bay area	3,145	3,945	4,179	2,835	2,518	2,906	764
Ramsar Site	2,133	2,237	2,748	1,255	980	1,666	617

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

Summary of Waterbird Count, July 2007

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	20	12						10		5	0	9	1	5	25	16	0	41	87		9
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		0	0	1	0	0	6	2	0	8	9		
Purple Heron	1														0			0	1		
Great Egret	28	14	132	40	75			6	108	7	15	7	11	6	98	31	115	244	547		45
Intermediate Egret	0	0						0		0	1	0	0	0	2	1	0	3	3		1
Little Egret	33	20	323	19	13			42	2	18	18	30	18	13	127	115	32	274	676		7
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	37	1	48	3				0		2	0	0	0	0	28	1	3	32	119		8
Chinese Pond Heron	49	18	32	1				8		21	19	5	12	23	14	83	1	98	202		2
Striated Heron	0	0						0		0	0	0	0	0	8	0	0	8	8		
B-c Night Heron	1	5	264		3			1		1	0	2	2	1	16	6	3	25	296		24
Yellow Bittern	0	0	1					1		0	0	0	1	0	1	1	0	2	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															12			12	12		
Common Shelduck															0			0	0		
Eurasian Wigeon	0	0						0		0	0	0	0	0	0	0	0	0	0		
Falcatid Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	0	0						0		0	0	0	0	0	3	0	0	3	3		
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															1			1	1		
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	6	2	7	6				0	3	5	1	2	3	2	9	13	6	28	46		1
Watercock															0			0	0		
Common Moorhen	0	0	10	2				0		0	0	0	0	0	0	0	2	2	12		
Eurasian Coot															0			0	0		
Pheasant-tailed Jacana															0			0	0		

Greater Painted Snipe			1													0		0	1		
Black-winged Stilt			38													2		2	40		
Pied Avocet																0		0	0		
Oriental Pratincole																0		0	0		
Northern Lapwing																0		0	0		
Grey-headed Lapwing																1		1	1		
Pacific Golden Plover																0		0	0		
Grey Plover																0		0	0		
Common Ringed Plover																0		0	0		
Little Ringed Plover	7	6	5				5		0	0	0	0	13		0	5	0	5	36		
Kentish Plover																0		0	0		
Lesser Sand Plover																0		0	0		
Greater Sand Plover				1												0		0	1		
Black-tailed Godwit																10		10	10		
Bar-tailed Godwit																0		0	0		
Whimbrel																0		0	0		
Eurasian Curlew																27		27	27		
Far Eastern Curlew																2		2	2		
Spotted Redshank																0		0	0		
Common Redshank			46													8		8	54		
Marsh Sandpiper			2													0		0	2		
Common Greenshank			6													97		97	103		
Nordmann's Greenshank																0		0	0		
Green Sandpiper	0	0		1			0	0	1	0	0	0	0	1	1	0	1	2	2		
Wood Sandpiper	8	0	130				0	0	0	1	0	8	31	1	0	32		178			
Terek Sandpiper																0		0	0		
Common Sandpiper	3	7	10	2	3		2	1	1	1	1	1	0	5	5	10		32		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																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																2		2	2		
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	1	0	0	1	1			
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	194	85	1055	74	95	Combined in DBC	Combined in OBC	76	113	60	56	58	49	72	531	281	168	980	2518	0	99	
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	0	0.0	0	0.0	0	0																
Ardeids etc	1877	74.5	706	72.0	0	87																
Ducks, grebes, pelicans	91	3.6	45	4.6	0	9																
Rails, Coot etc	58	2.3	30	3.1	0	1																
Waders	491	19.5	198	20.2	0	2																
Gulls and terns	1	0.0	1	0.1	0	0																
TOTAL	2518		980		0	99																
Date of count: 15 July																						
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)	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet	
Osprey															0			0	0			
Black Kite	0	0						0		1	3	1	0	3	0	5	0	5	8		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															0			0	0			
Pied Kingfisher	0	6						0		0	1	0	0	0	0	1	0	1	7			
Common Kingfisher	4	4	2					2		2	1	0	1	4	0	6	0	6	20		2	
White-throated Kingfisher	6	4	2					2		1	0	0	0	2	0	6	0	6	17		1	
Black-capped Kingfisher	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			
Collared Crow	0	0	2					0		0	30	0	1	1	0	31	0	31	34			
Bonelli's Eagle		2																				

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

Programme 2007/08

Summer Count

August 2007

Summary Report - August 2007

Y.T. Yu

The 2007 August waterbird count took place on 12th. Coverage of the count was complete in both the whole Deep Bay area and the Ramsar site area and also include the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve at Shenzhen.

In this count a total of 4,361 waterbirds were count in the Deep Bay area, of which 2,692 (62%) were recorded in Ramsar Site area. Shorebirds (or called waders) comprised the largest group at the figure of 2,322 (53%) individuals, while Ardeids was the second largest group at 1,866 (43%). Large number of shorebirds present in the count indicated that the southward migration of the shorebirds has undergone. Twelve immature Black-faced Spoonbills still remained in the Mai Po Nature Reserve in this count.

A comparison with previous years' counts and the average for the month is provided in Table 1. Both figures are lower than the previous year's figure but the previous year's figure is relatively high comparing to the average and other years' counts. The figures of the Deep Bay area and Ramsar Site are higher than the average figure in 14% and 7 % respectively.

Table 1. Figures of the July waterbird counts 2002-2007.

April	2002	2003	2004	2006	2007	Average*	Std. Dev.*
Deep Bay area	4,096	3,060	4,807	4,802	4,361	3,807	795
Ramsar Site	2,463	1,588	2,420	3,125	2,692	2,498	449

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 2007

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	25	8						23			12	0	15	2	5	12	43	0	55	102		13
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	0		
Grey Heron	5	0						0	1		0	0	0	0	0	23	1	0	24	29		
Purple Heron																0		0	0			
Great Egret	35	10	110		30	23	2	40	4	10	19	5	4	23	6	29	74	63	166	350		62
Intermediate Egret	4	0						0	1		0	0	0	0	0	0	0	0	0	5		3
Little Egret	42	29	410		100	32	33	37	4	43	62	39	14	5	17	21	110	171	302	888		35
Swinhoe's Egret																0		0	0			
Pacific Reef Egret																0		0	0			
Cattle Egret	29	3	7				35	1	4		4	0	3	9	0	0	13	35	48	95		51
Chinese Pond Heron	43	16	31					12	8	8	19	10	2	18	33	10	66	0	76	210		6
Striated Heron	0	0						0			0	0	0	0	1	5	0	0	5	6		1
B-c Night Heron	9	18	181		1	1	1	0		1	5	1	0	8	2	41	15	3	59	269		42
Yellow Bittern	0	0						0	2		0	0	0	0	0	0	0	0	0	2		
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																12		12	12			
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	1	0	0	1	1		
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	8	6	1					5	5	3	6	0	1	1	5	13	12	0	25	54		3
Watercock																0		0	0			
Common Moorhen	0	0	11					2			0	0	0	0	0	3	1	1	5	16		
Eurasian Coot																0		0	0			
Pheasant-tailed Jacana																0		0	0			

Greater Painted Snipe																	0			0	0		
Black-winged Stilt		1	17										7	13						13	38		
Pied Avocet														0						0	0		
Oriental Pratincole														0						0	0		
Northern Lapwing														0						0	0		
Grey-headed Lapwing														0						0	0		
Pacific Golden Plover														3						3	3		
Grey Plover														2						2	2		
Common Ringed Plover														0						0	0		
Little Ringed Plover	0	18	1				0	17	6	0	0	0	0	19	0	0	0			0	61		
Kentish Plover														0						0	0		
Lesser Sand Plover														0						0	0		
Greater Sand Plover								2					4	41						41	47		
Black-tailed Godwit														45						45	45		
Bar-tailed Godwit														0						0	0		
Whimbrel														17						17	17		
Eurasian Curlew														70						70	70		
Far Eastern Curlew														1						1	1		
Spotted Redshank														2						2	2		
Common Redshank			120											946						946	1066		
Marsh Sandpiper			2											17						17	19		
Common Greenshank			4					33						601						601	638		
Nordmann's														0						0	0		
Green Sandpiper	1	2					0		0	0	0	0	1	0	0	0	0			0	4		
Wood Sandpiper	64	12	23				0	14		16	0	0	0	2	36	16	0			52	167		
Terek Sandpiper														26						26	26		
Common Sandpiper	7	13	3		3		5		5	7	4	4	9	5	2	26	4			32	67		1
Grey-tailed Tattler														6						6	6		
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														1						1	1		
Red Knot														0						0	0		
Great Knot														0						0	0		
Sanderling														0						0	0		
Red-necked Stint														18						18	18		
Little Stint														0						0	0		
Temminck's Stint														0						0	0		
Long-toed Stint		2												1						1	3		
Pectoral Sandpiper														0						0	0		
Sharp-tailed Sandpiper														1						1	1		
Dunlin														0						0	0		
Curlew Sandpiper														18						18	18		
Spoon-billed Sandpiper														0						0	0		
Broad-billed Sandpiper														1						1	1		
Ruff		1												0						0	1		
Small wader spp.														0						0	0		
Wader sp.														0						0	0		
Black-tailed Gull														0						0	0		

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

Programme 2007/08

Summer Count

September 2007

Summary Report – September 2007

Y.T. Yu

The 2007 September waterbird count was conducted on 9th. Coverage of the count was complete in both the whole Deep Bay area and the Ramsar site area including both the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve at Shenzhen.

This count recorded a total of 8,170 waterbirds in the whole Deep Bay area, of which 4,262 (52%) were recorded in the Ramsar Site area. Shorebirds comprised the largest group at a figure of 5,803 (71%) and Ardeids were the second largest 2,159 (26%). The figure indicated that the passage of shorebirds still continued in this count Besides, the oversummering twelve immature Black-faced Spoonbills still remained in Mai Po during this count.

Table 1 shows counts from last five consecutive years and the averages for comparison. This September figure of the whole Deep Bay area is new high count since the commencement of this programme in 1998, while the figure of the Ramsar Site is 12% higher than the previous year's figure. Both figures in this count are also higher than the average figure.

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

April	2003	2004	2005	2006	2007	Average*	Std. Dev.*
Deep Bay area	5,032	4,916	6,695	5,899	8,170	5,530	1,333
Ramsar Site	3,001	3,450	4,920	3,816	4,262	3,757	728

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

Summary of Waterbird Count, September 2007

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	13	26						8	1		12	0	13	0	4	9	19	0	28	86		
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	3	2			12			9		2	1	6	1	1	0	26	12	12	50	63	3	5
Purple Heron																0			0	0		
Great Egret	6	8	187	1	68	8	1	49	3	16	6	0	37	11	9	55	71	101	227	465	52	17
Intermediate Egret	1	0						0	1		0	0	0	0	0	7	0	0	7	9		3
Little Egret	14	66	309	3	143	37	9	272	5	78	56	34	31	15	49	73	339	239	651	1194	56	24
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	0	1					58			9	0	0	1	0	0	59	0	59	69		
Chinese Pond Heron	37	40	17		1		2	24	3	11	20	10	21	13	27	18	72	3	93	244	3	7
Striated Heron	0	1	2					0			0	1	0	0	0	2	1	0	3	6		
B-c Night Heron	1	7	50	1				2	6		2	0	6	4	1	3	12	1	16	83	1	3
Yellow Bittern	5	1	1					1	2		1	0	0	0	1	1	2	0	3	13		
Cinnamon Bittern																0			0	0		
Black Bittern								1								0	1		1	1		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill																12			12	12		
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	12	0	0	12	12		
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			20	20		
Northern Shoveler			6													8			8	14		
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	6	4	6					3	4	3	3	1	2	0	3	8	7	0	15	43		1
Watercock																0			0	0		
Common Moorhen	0	0	24					0			3	0	0	0	0	1	1	0	2	28		
Eurasian Coot																0			0	0		

Pheasant-tailed Jacana																	0			0	0		
Greater Painted Snipe												1					0	1		1	1		
Black-winged Stilt		3	157				29	2		4	2			11	257	33			290	465			
Pied Avocet															0				0	0			
Oriental Pratincole															0				0	0			
Northern Lapwing															0				0	0			
Grey-headed Lapwing															0				0	0			
Pacific Golden Plover															1				1	1			
Grey Plover															7				7	7			
Common Ringed Plover															0				0	0			
Little Ringed Plover	7	17	20				2	20	4	29	0	0	0	19	2	31	0		33	120			
Kentish Plover									1						0				0	1			
Lesser Sand Plover															0				0	0			
Greater Sand Plover									1						1				1	2			
Black-tailed Godwit			20												257				257	277			
Bar-tailed Godwit			1												53				53	54			
Whimbrel			3												154				154	157			
Eurasian Curlew															95				95	95			
Far Eastern Curlew															0				0	0			
Spotted Redshank			60												16				16	76			
Common Redshank			260					2							228				228	490			
Marsh Sandpiper			1051												760				760	1811			
Common Greenshank			190					214							874				874	1278			
Nordmann's															0				0	0			
Green Sandpiper	1	8					27			15	0	0	0	4	0	42	0		42	55			
Wood Sandpiper	23	7	483				1	56		6	0	0	0	6	117	7	0		124	699			
Terek Sandpiper															7				7	7			
Common Sandpiper	2	19	9	1	1		9	7	12	10	2	3	2	7	0	21	2		23	84	3	1	
Grey-tailed Tattler															2				2	2			
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	4	1					1	1						5	0	1			1	12			
Common Snipe	5		7				2								0	2			2	14			
Long-billed Dowitcher															0				0	0			
Asian Dowitcher															1				1	1			
Red Knot															5				5	5			
Great Knot															47				47	47			
Sanderling															0				0	0			
Red-necked Stint			2												6				6	8			
Little Stint															0				0	0			
Temminck's Stint															0				0	0			
Long-toed Stint									6						1	6			7	7			
Pectoral Sandpiper															0				0	0			
Sharp-tailed Sandpiper															2				2	2			
Dunlin															0				0	0			
Curlew Sandpiper															9				9	9			
Spoon-billed Sandpiper															0				0	0			
Broad-billed Sandpiper															0				0	0			
Ruff			1												2				2	3			
Small wader spp.															0				0	0			
Wader sp.			13												0				0	13			

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		
Saunders's Gull																0			0	0		
Whiskered Tern												1	4			0	5		5	5		
White-winged Tern																0			0	0		
Gull-billed Tern																0			0	0		
Caspian Tern																0			0	0		
Total	128	210	2880	6	225	45	12	498	327	128	183	56	115	52	146	3159	745	358	4262	8170	118	61
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	0	0.0	0	0.0	0	0																
Ardeids etc	2159	26.4	1122	26.3	115	59																
Ducks, grebes,	132	1.6	68	1.6	0	0																
Rails, Coot etc	71	0.9	17	0.4	0	1																
Waders	5803	71.0	3050	71.6	3	1																
Gulls and terns	5	0.1	5	0.1	0	0																
TOTAL	8170		4262		118	61																
Date of count: 9 Sep																						
n/c = site not counted																						
# indicates count consists of or includes a count made up to one week either side of the																						
% = 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	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Osprey																0			0	0		
Black Kite	0	3						1			0	1	0	0	0	2	2	0	4	7	70	
White-bellied Sea Eag																0			0	0	2	
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	3	5	6					7			2	0	0	0	3	2	5	0	7	28		
Common Kingfisher	7	14	4					6	3		12	2	2	0	2	8	17	0	25	60	1	2
White-throated	5	1	8					6	1		0	2	0	0	2	8	9	0	17	33		
Black-capped	0	0						0			0	0	0	0	0	0	0	0	0	0		1
Red-billed Starling	0	0						4			0	0	0	0	0	0	4	0	4	4		
Collared Crow	0	2	1					3			0	7	3	2	2	2	11	0	13	22	18	
Black-winged Kite								1														
* Black Kites from Shuen Wan were counted at a roost site at Yim																						

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

Programme 2007/08

Winter Count

October 2007

Summary Report – October 2007

Y.T. Yu

The 2007 October waterbird count was undertaken on 7th. Coverage of the count was complete including the whole Deep Bay area, the Ramsar site area, the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve at Shenzhen.

A total of 10,164 waterbirds were recorded in the whole Deep Bay area in this count, of which 4,946 (49%) were recorded in the Ramsar Site. The largest group was Shorebird comprised at 5,079 (50%) individuals and the Ardeids was the second at 3,093 individuals (30%). Small numbers of Great Cormorants and Ducks were present in the count, indicating that these winter visitors have arrived the Deep Bay area.

Table 1 shows counts from last five consecutive years and the averages for comparison. The figure of the whole Deep Bay area is the highest count in past five years and actually it is also the second highest October count since 1998 (cf. 13,097 in October 2000). However, the figure of the Ramsar site is 15% and 8% lower than the previous year's figure and the average respectively.

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

April	2003	2004	2005	2006	2007	Average*	Std. Dev.*
Deep Bay area	5,381	7,052	9,307	9,360	10,164	8,292	2,323
Ramsar Site	3,119	5,146	6,389	5,808	4,946	5,393	1,565

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

Summary of Waterbird Count, October 2007

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	Shuen Wan	Starling Inlet
Little Grebe	9	25	2				7	16			26	0	18	0	2	10	47	7	64	115		7
Great Crested Grebe																0			0	0		
Great Cormorant	0	2	10					5			6	1	2	0	1	64	11	0	75	91	23	
Dalmatian Pelican																0			0	0		
Grey Heron	98	23	161	2	35	19	1	51	15	8	20	8	11	12	5	88	59	64	211	557	17	22
Purple Heron																4			4	4		
Great Egret	8	36	404	17	41	12	7	42	3	25	7	5	3	11	28	29	45	97	171	678	73	138
Intermediate Egret	8	0						0	5		0	0	0	0	0	3	0	0	3	16	1	1
Little Egret	17	104	785	33	47	19	5	60	2	116	38	15	92	20	59	21	199	116	336	1433	118	61
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	3	11						0	6	4	16	7	0	0	0	0	11	0	11	47	1	7
Chinese Pond Heron	35	30	29		1			7	3	16	56	13	20	16	33	0	97	1	98	259	2	4
Striated Heron	0	0						1			0	0	0	0	0	16	1	0	17	17		
B-c Night Heron	2	21	29					0	2		0	0	2	3	0	0	4	0	4	59	7	1
Yellow Bittern	1	1						0			0	0	0	1	0	18	1	0	19	21		2
Cinnamon Bittern		1														1			1	2		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill																0			0	0		
Common Shelduck																0			0	0		
Eurasian Wigeon	0	0	275					0			0	0	0	0	0	0	0	0	0	275		
Falcated Duck																0			0	0		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	0	0						0	6		0	0	0	0	0	0	0	0	0	6		20
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail			127	13												0		13	13	140		
Garganey			208	24												0		24	24	232		1
Northern Shoveler			843	104												0		104	104	947		
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	4	5	10				1	6	2	2	8	0	1	1	1	7	14	1	22	48	1	1
Watercock			1													0			0	1		
Common Moorhen	8	5	9					6	11		3	1	0	0	0	3	2	0	5	46		
Eurasian Coot																0			0	0		

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

Programme 2007/08

Winter Count

November 2007

Summary Report - November 2007

Y.T. Yu

The 2007 November waterbird count was conducted on 11th. This count completely covered all the areas of the whole Deep Bay area including the Hong Kong Wetland Park at Tin Shui Wan and the Ramar site area, and also the Futian National Nature Reserve at Shenzhen, China.

In the whole Deep Bay area a total of 55,808 waterbirds were recorded, of which 23,229 (42%) were recorded in the Ramsar site. The largest waterbird group was comprised by Ducks at 30,013 (54%) individuals and shorebirds (also known as waders) were the second largest at 14,805 (27%) individuals. Other notable count included the arrival of wintering globally threatened Black-faced Spoonbills which were recorded at 255 individuals in the whole Deep Bay area.

Table 1 shows counts from last five consecutive years and the averages for comparison. The figure of the whole Deep Bay area is the highest count since the commencement of this programme in 1998. The previous highest figure is only 34,488 and this has an increase of 62%. The figure of the Ramsar site is the second largest figure of this month and the highest is 25,765 in November 2002. Hence, it is clear that both figures of this month are higher than the average.

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

April	2003	2004	2005	2006	2007	Average*	Std. Dev.*
Deep Bay area	21,303	24,991	27,372	30,725	55,808	30,679	9,576
Ramsar Site	18,061	18,197	18,019	22,947	23,229	20,281	2,951

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

Summary of Waterbird Count, November 2007

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	Shuen Wan	Starling Inlet	
Little Grebe	14	13	2					22			40	2	29	8	0	23	82	0	105	153	1	10	
Great Crested Grebe			36		1											0		1	1	37			
Great Cormorant	382	139	1160					108	4	30	92	5	36	94	52	5252	269	0	5521	7354			
Dalmatian Pelican																0			0	0			
Grey Heron	157	24	135	18				20	19	55	2	12	12	8	7	174	49	39	262	651	12	39	
Purple Heron																2			2	2			
Great Egret	9	44	238	143	17	19	35	13	3	13	14	6	56	8	7	83	30	217	330	708	19	140	
Intermediate Egret	6	0						0	7		0	0	0	0	0	10	0	0	10	23		3	
Little Egret	11	158	136	23	11	3	23	18	7	10	34	75	136	16	37	65	167	60	292	763	55	56	
Swinhoe's Egret																0			0	0			
Pacific Reef Egret																0			0	0			
Cattle Egret	5	0						0	1		11	0	1	3	7	0	7	0	7	28			
Chinese Pond Heron	22	14	39	1				2	5	4	2	54	11	28	7	32	4	90	3	97	225	2	10
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0			
B-c Night Heron	0	11	11					0			0	0	0	1	0	3	1	0	4	26	3	2	
Yellow Bittern	0	0	2					0	1		0	0	0	0	0	0	0	0	0	3			
Cinnamon Bittern																0			0	0			
Great Bittern																1			1	1			
Black Stork																0			0	0			
Black-headed Ibis																0			0	0			
Eurasian Spoonbill																0			0	0			
Black-faced Spoonbill	3		33				1							1*		218		1	219	255			
Common Shelduck																0			0	0			
Eurasian Wigeon	13	0	745	452				0			0	0	0	0	0	35	0	452	487	1245			
Falcated Duck																0			0	0			
Gadwall																0			0	0			
Baikal Teal																0			0	0			
Common Teal	162	15	807	172				40	0	163					4	5	0	212	217	1368		4	
Mallard																0			0	0			
Spot-billed Duck																0			0	0			
Chinese Spotbill																0			0	0			
Burmese Spotbill																0			0	0			
Northern Pintail	5		154	190	6		6		11							49		202	251	421			
Garganey			50	9					21							0		9	9	80			
Northern Shoveler	6		1322	6020	187		68	35			2					0	2	6310	6312	7640			
Common Pochard																4			4	4			
Baer's Pochard																0			0	0			
Tufted Duck			5				1310									0		1310	1310	1315			
Greater Scaup																0			0	0			
Red-breasted Merganser																0			0	0			
Duck sp.			16730		1020											0		1020	1020	17750			
Slaty-breasted Rail				2												0		2	2	2		1	
Water Rail																0			0	0			
White-breasted Waterhen	0	1	7					1			2	0	3	0	4	4	5	0	9	22	1	3	
Watercock																0			0	0			
Common Moorhen	12	10	4				4	6	9		15	0	1	0	0	24	18	4	46	85		5	
Eurasian Coot			182													0			0	182			

Pheasant-tailed Jacana																	0			0	0		
Greater Painted Snipe								14									0			0	14		
Black-winged Stilt	11		221	10								1				2	1	10	13	245			
Pied Avocet			2120	2570												25		2570	2595	4715			
Oriental Pratincole																0			0	0			
Northern Lapwing																0			0	0			
Grey-headed Lapwing																0			0	0			
Pacific Golden Plover				4												0	4	4	4	4			
Grey Plover				93												1	93	94	94			1	
Common Ringed Plover																0			0	0			
Little Ringed Plover	12	5	84				0	5	32	11	0	0	3	13	0	12	0	12	165				
Kentish Plover			31	405												0	405	405	436			2	
Lesser Sand Plover				3												0	3	3	3				
Greater Sand Plover																0		0	0			27	
Black-tailed Godwit			280	685												0	685	685	965				
Bar-tailed Godwit				1												0	1	1	1				
Whimbrel				1												0	1	1	1				
Eurasian Curlew			11	110												0	110	110	121				
Far Eastern Curlew				1												0	1	1	1				
Spotted Redshank			1	486			4									0	490	490	491				
Common Redshank			60	109												0	109	109	169				
Marsh Sandpiper	3		506	840												0	840	840	1349				
Common Greenshank	2		178	684			25	4				1				15	1	709	725	909		1	
Nordmann's Greenshank																0		0	0				
Green Sandpiper	2	5	15				1	6		4	2	2	1	2	1	10	0	11	41				
Wood Sandpiper	27	11	240	2			0			2	1	0	1	3	0	2	2	4	287				
Terek Sandpiper																0		0	0				
Common Sandpiper	1	7	34	1			2	4	2		8	10	6	1	10	0	25	3	28	86	3	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																0		0	0				
Common Snipe	9	3	7					6								0		0	25				
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				6												0	6	6	6				
Little Stint																0		0	0				
Temminck's Stint								3								0		0	3				
Long-toed Stint																0		0	0				
Pectoral Sandpiper																0		0	0				
Sharp-tailed Sandpiper																0		0	0				
Dunlin				174												0	174	174	174				
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.			4500													0		0	4500				

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	260	377				0			0	0	0	0	0	0	0	0	377	377	637		
Saunders's Gull				22														0	22	22	22		
Whiskered Tern								1									0	1	1	1			
White-winged Tern																		0		0	0		
Gull-billed Tern																		0		0	0		
Caspian Tern																		0		0	0		
Total	874	460	30346	13614	1242	22	1540	233	326	89	301	124	308	151	178	6000	772	16457	23229	55808	96	306	
	Deep	%	Ramsar	%	SW	SI																	
Cormorants	7354	13.2	5521	23.8	0	0																	
Ardeids etc	2685	4.8	1224	5.3	91	250																	
Ducks, grebes, pelicans	30013	53.8	9716	41.8	1	14																	
Rails, Coot etc	291	0.5	57	0.2	1	9																	
Waders	14805	26.5	6311	27.2	3	33																	
Gulls and terns	660	1.2	400	1.7	0	0																	
TOTAL	55808		23229		96	306																	
Date of count: 11 Nov 2007																							
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	Shuen Wan	Starling Inlet	
Osprey			6	3		1	3				1					1	1		2	15	1		
Black Kite	7	1	5	4				4	1		2	21	0	3	11	7	28	4	39	66	8		
White-bellied Sea Eag			1													0			0	1	2		
Eastern Marsh Harrier	1		2	1											1	0			0	5			
Common Buzzard	1	4	2					1	2			1		2		3	4		7	16			
Greater Spotted Eagle	0	0	1					0			0	0	0	0	0	0	0	0	0	1			
Imperial Eagle	0	0						0			0	0	0	0	1	0	0	0	0	1			
Peregrine Falcon			1													2			2	3			
Pied Kingfisher	0	3	2					0	1		0	0	0	0	1	3	0	0	3	10			
Common Kingfisher	3	6	5					3	3	1	15	0	7	2	3	4	20	0	24	52	2	5	
White-throated Kingfisher	4	3	6	3	1			0	3	1	1	2	2	2	1	3	8	4	15	32		2	
Black-capped Kingfisher	0	0	5	2			1	0	1	1	0	0	0	0	0	0	0	3	3	10	1	4	
Red-billed Starling	39	28	14					0			16	0	0	27	50	0	45	0	45	174	15	30	
Collared Crow	0	0	3					0		1	1	13	0	0	0	2	13	0	15	20	13		
Black-winged Kite								1									1			1			

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

Programme 2007/08

Winter Count

December 2007

Summary Report - December 2007

Y.T. Yu

The 2007 December waterbird count took place on the 9th. 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 was also conducted on the same day and counting was done from Tsim Bei Tsui police jetty, Mai Po Nature Reserve, Mai Po boardwalk bird watching hide and the Futian National Nature Reserve.

In the high tide count a total of 45,859 waterbirds was count, of which 25,827 (56%) individuals were recorded in the Ramsar site area. Ducks and grebes comprised the large flock of waterbirds at 21,943 (48%) and the second was the waders at 8,136 (18%). However, it was a hazy day and the low tide count could only be conducted under poor visibility. The actual number of waterbirds in the Deep Bay area would be higher than these presented figures. Details are referred to table 1.

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 marginally higher than the average figure, but it has an 18% decrease from the previous year's figure. The figure of Ramsar site even has a considerable decrease of 43% from the previous year's figure and 19% lower than the average figure.

Table 1. Numbers of waterbirds in high-tide and low-tide Waterbird Count in the whole Deep Bay area, December 2007. Numbers in the parenthesis are the figures of the Ramsar site.

Groups	High-tide count	Low-tide count	Maximum figure
Cormorants	6,692 (5,760)	3,099 (3,091)	6,692 (5,760)
Ardeids	2,952 (1,418)	433 (330)	2,952 (1,418)
Ducks, grebes and pelicans	21,943 (9,684)	13,890 (9,890)	21,943 (9,684)
Rails and Coots	706 (68)	37 (31)	706 (68)
Waders	8,136 (4,484)	3,541 (3,505)	8,136 (4,484)
Gulls and terns	5,430 (4,413)	4,900 (4,900)	5,430 (4,413)
Total	45,859 (25,827)	25,900 (21,747)	45,859 (25,827)

Table 2. December waterbird counts 2003-2007.

	2003	2004	2005	2006	2007	Average*	Std. Dev.*
Deep Bay area	37,578	42,329	39,894	55,983	45,859	44,441	6,731
Ramsar Site	31,753	33,770	26,813	45,596	25,827	31,701	7,136

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

Summary of Waterbird Count, December 2007

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	Shuen Wan	Starling Inlet
Little Grebe	33	19	2					38	3		64	0	23	1	7	31	89	0	120	221	1	19
Great Crested Grebe	1		4			89				5			1			0	1	89	90	100		
Great Cormorant	239	351	127	90				149	115	4	39	29	0	129	10	5410	260	90	5760	6692		23
Dalmatian Pelican																0			0	0		
Grey Heron	173	33	129	5	38	13	14	139	90	4	21	2	1	20	5	175	91	70	336	862	11	34
Purple Heron																2			2	2		
Great Egret	11	28	103	96	18	4	47	15	1	8	9	3	4	14	185	105	42	165	312	651	25	102
Intermediate Egret	4	0						0	2		1	3	0	0	2	10	4	0	14	22		
Little Egret	10	76	166	67	12	2	29	16	3	24	26	11	29	11	220	279	79	110	468	981	61	46
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	2	3						0			2	4	0	2	8	0	8	0	8	21		
Chinese Pond Heron	11	13	36					7	1	8	41	5	6	6	15	9	65	0	74	158	1	7
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0	8					0			0	0	0	8	0	8	8	0	16	24	3	12
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																0			0	0		
Black-faced Spoonbill	2		41				6	1								181	1	6	188	231		1
Common Shelduck																0			0	0		
Eurasian Wigeon	55	21	4206	365		320		0	31	4	0	1	0	0	0	25	1	685	711	5028		
Falcated Duck	2															0			0	2		
Gadwall									17							0			0	17		
Baikal Teal																0			0	0		
Common Teal	401	23	1800	460	25			0	51		0	2	0	0	2	21	2	485	508	2785		11
Mallard																0			0	0		
Spot-billed Duck		2														0			0	2		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail	46		2036	220			1200	1	20							90	1	1420	1511	3613		5
Garganey	1		5	1					22							55		1	56	84		
Northern Shoveler	65		3265	2570	210		286				1					131	1	3066	3198	6528		2
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	8	4		1			680	61								483		681	1164	1237		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.				2326												0		2326	2326	2326		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	1	2	5					0		2	0	1	0	0	1	2	2	0	4	14	2	3
Watercock																0			0	0		
Common Moorhen	22	27	48					11	23		22	0	0	0	0	38	26	0	64	191		8
Eurasian Coot	1		500													0			0	501		

Pheasant-tailed Jacana	2																0			0	2		
Greater Painted Snipe							2										0			0	2		
Black-winged Stilt	6	1	421														0			0	428		
Pied Avocet	35		2361	2170									1			0			2170	2170	4567		
Oriental Pratincole																	0			0	0		
Northern Lapwing																	0			0	0		
Grey-headed Lapwing																	0			0	0		
Pacific Golden Plover																	0			0	0		
Grey Plover				82													0		82	82	82		1
Common Ringed Plover																	0			0	0		
Little Ringed Plover	41	11	110				0		37	2	1	3	0	13		0		46	0	46	218		
Kentish Plover									34								0			0	34		
Lesser Sand Plover																	0			0	0		
Greater Sand Plover																	0			0	0		1
Black-tailed Godwit				400													0		400	400	400		
Bar-tailed Godwit																	0			0	0		
Whimbrel																	0			0	0		
Eurasian Curlew			11	200				4									0		200	200	215		
Far Eastern Curlew				6													0		6	6	6		
Spotted Redshank				240													0		240	240	240		
Common Redshank			202														0			0	202		
Marsh Sandpiper			6	241													0		241	241	247		
Common Greenshank			98	85				1	4								5		85	90	193		
Nordmann's Greenshank																	0			0	0		
Green Sandpiper	2	6					1	1	3	5	3	2	3	1	13		0		14	14	27		1
Wood Sandpiper	13	18	145				0		7	1	2	7	17	0	15		0		15	15	210		
Terek Sandpiper																	0			0	0		
Common Sandpiper	6	6	20				1	8	5	12	9	1	4	6	0	32		1	33	78		2	3
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	9		13					2	2	1				1	0	1			1	1	28		
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	7		5													0	7		7	7	12		
Long-toed Stint			3														0			0	3		
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			3														0			0	3		
Small wader spp.																	0			0	0		
Wader sp.				890	49												0		939	939	939		

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

Programme 2007/08

Winter Count

January 2008

Summary Report – January 2008

Y.T. Yu

The 2008 January waterbird count was conducted on 13th. The 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. Low-tide count also took place at Mai Po Nature Reserve and boardwalk bird watching hide, Tsim Bei Tsui police jetty and Futian National Nature Reserve, which is aimed to provide further information of waterbird numbers present in the intertidal mudflat area of Deep Bay. Besides, an additional count at Great Cormorant's roosting site (in Mai Po Nature Reserve and Nam Sang Wai) was also conducted during this month to provide the most comprehensive figure of this species in the Deep Bay area.

A total of 88,457 waterbirds were counted in the high tide count and the cormorant roosting count, of which 55,110 (62%) waterbirds were counted in the Ramsar site area. The most numerous group was the ducks and grebes at 35,066 (40%) individuals and waders (or called shorebirds) were the second largest group of waterbird at 27,720 (31%) individuals. Together with the higher count of gulls and terns at 11,600 individuals during the supplementary low-tide count, a total of 89,763 individuals of waterbirds were recorded in the whole Deep Bay area, a new high figure in this area. Details are referred to table 1. Two waterbird species were recorded in the new high figures of Hong Kong: Great Cormorant (11,144 individuals) and Pied Avocet (16,123 individuals).

A comparison with previous year's count and the average for the month is provided in table 2. As mentioned above, the figure of the whole Deep Bay area is a new high figure since the winter waterbird count firstly conducted in mid-1980s, while the Ramsar site's figure is also a new high figure since the commencement of this monitoring programme. The figure of the whole Deep Bay area has an increase of 36% from the previous year's figure and there is also a 22% increase of the Ramsar site's figure.

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

Groups	High-tide count	Low-tide count	Maximum figure
Cormorants	11,144 (7,945)	2,508 (2,480)	11,144 (7,945)
Ardeids	3,367 (1,482)	1,876 (1,577)	3,367 (1,482)
Ducks, grebes and pelicans	35,066 (13,096)	17,161 (14,655)	35,066 (13,096)
Rails and Coots	866 (73)	43 (43)	866 (73)
Waders	27,720 (22,267)	6,037 (200)	27,720 (22,267)
Gulls and terns	10,294 (10,247)	11,600 (11,600)	11,600 (11,600)
Total	88,457 (55,110)	39,225 (30,555)	89,763 (56,463)

Table 2. January waterbird counts 2004-2008.

	2004	2005	2006	2007	2008	Average*	Std. Dev.*
Deep Bay area	27,927	54,454	47,627	65,909	89,763	55,204	14,658
Ramsar Site	23,915	34,623	24,740	46,372	56,463	40,006	10,956

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

Summary of Waterbird Count, January 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	Shuen Wan	Starling Inlet
Little Grebe	29	16	2					35	2		48	2	22	3	8	11	79	0	90	178	3	11
Great Crested Grebe			16	1						24						0			0	41		
Great Cormorant%	399*	387*	154*					158*	39*	2000*	97*	27*	3199	91*	37*	7945			7945	11144	111	61
Dalmatian Pelican																0			0	0		
Grey Heron	217	17	58	6	5	12	95	40	169	18	10	17	8	12	9	237	49	118	404	930	12	38
Purple Heron																0			0	0		
Great Egret	34	22	211	30	49	2	27	10	39	7	14	0	5	7	64	191	20	108	319	712	24	150
Intermediate Egret	1	0		1				0	2		0	0	0	0	0	10	0	1	11	14	1	1
Little Egret	27	28	208	40	76		41	152	101	133	312	14	39	26	50	119	249	157	525	1366	42	115
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	9	1						0			0	13	0	1	0	0	14	0	14	24		5
Chinese Pond Heron	6	5	31	3			2	1		5	46	7	8	13	5	1	66	5	72	133		10
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	3	51
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																0			0	0		
Black-faced Spoonbill	3		31	1			40	6	11	4						91	5	41	137	187		
Common Shelduck																0			0	0		
Eurasian Wigeon	355	0	1692	1270		1355	5	0	51	119	0	0	0	0	0	203	0	2630	2833	5050		
Falcated Duck	1			4												0		4	4	5		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	312	0	286	10		30	234	13	25		0	2	1	0	0	186	2	287	475	1099		9
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail	24		570	1010		65	15	20	19							134		1110	1244	1857		3
Garganey									16							1			1	17		
Northern Shoveler	16		12520	710		315	385	28								279		1438	1717	14253		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	97	12	480					145								62			62	796		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.			5100	5540	1130											0		6670	6670	11770		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	0	0	6					0		2	1	0	0	0	0	0	0	0	0	9	3	1
Watercock																0			0	0		
Common Moorhen	29	18	18					4	3		17	2	0	2	0	36	22	0	58	129		6
Eurasian Coot	1		710					2								15			15	728		

Pheasant-tailed Jacana	2																0		0	2		
Greater Painted Snipe																	0		0	0		
Black-winged Stilt	24		624														0		0	648		
Pied Avocet	2		6982*	15920	200											1		0	16120	16120	16123	
Oriental Pratincole																	0		0	0		
Northern Lapwing																	0		0	0		
Grey-headed Lapwing			2														0		0	2		
Pacific Golden Plover			13	520													0	520	520	533		
Grey Plover				623													0	623	623	623		3
Common Ringed Plover																	0		0	0		
Little Ringed Plover	13	9	50					17		71	11	2	8	0	0	0	44	0	44	181		
Kentish Plover			1800	1520*						57							0		0	1857		
Lesser Sand Plover				2													0	2	2	2		
Greater Sand Plover			1														0		0	1		
Black-tailed Godwit				441													0	441	441	441		
Bar-tailed Godwit				2													0	2	2	2		
Whimbrel				1													0	1	1	1		
Eurasian Curlew			32	1073						11							0	1073	1073	1116		
Far Eastern Curlew				1													0	1	1	1		
Spotted Redshank			380	160			63										0	160	160	603		
Common Redshank			100	18													0	18	18	118		
Marsh Sandpiper			124	1715													0	1715	1715	1839		
Common Greenshank			20	1480			4			5							0	1480	1480	1509		10
Nordmann's Greenshank																	0		0	0		
Green Sandpiper	3	6	5				1	1	2	6	2	0	7	1	12	0	13	13	34			
Wood Sandpiper	10	15	90				10		0	0	0	0	9	0	14	0	14	14	134			
Terek Sandpiper			1														0		0	1		
Common Sandpiper	3	4	26			1	1	4	11	8	3	4	3	5	1	20	2	23	74	3	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																	0		0	0		
Common Snipe	5		8														0		0	13		
Long-billed Dowitcher																	0		0	0		
Asian Dowitcher																	0		0	0		
Red Knot				4													0	4	4	4		
Great Knot				12													0	12	12	12		
Sanderling																	0		0	0		
Red-necked Stint			40														0		0	40		
Little Stint																	0		0	0		
Temminck's Stint			5														0		0	5		
Long-toed Stint																	0		0	0		
Pectoral Sandpiper																	0		0	0		
Sharp-tailed Sandpiper																	0		0	0		
Dunlin			1800	876*													0		0	1800		
Curlew Sandpiper																	0		0	0		
Spoon-billed Sandpiper																	0		0	0		
Broad-billed Sandpiper				1													0	1	1	1		
Ruff																	0		0	0		
Small wader spp.																	0		0	0		
Wader sp.			1900*														0		0	0		

Black-tailed Gull				1													0		1	1	1		
Heuglin's Gull	1			157													0		157	157	158		
Yellow-legged Gull				2													0		2	2	2		
Slaty-backed Gull																	0			0	0		
Glaucous Gull				1													0		1	1	1		
Pallas's Gull																	0			0	0		
Large Gull spp.																	0			0	0		
Relict Gull				1													0		1	1	1		
Brown-headed Gull																	0			0	0		
Black-headed Gull	0	0	46	10000							0	61	0	0	0	0	61	10000	10061	10107			
Saunders's Gull				22													0		22	22	22		
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	1224	153	27107	40785	1460	1780	912	488	438	469	469	129	3296	67	157	9523	657	44930	55110	88457	202	476	
	Deep	%	Ramsar	%	SW	SI																	
Cormorants	11144	12.6	7945	14.4	111	61																	
Ardeids etc	3367	3.8	1482	2.7	82	370																	
Ducks, grebes, pelicans	35066	39.6	13096	23.8	3	23																	
Rails, Coot etc	866	1.0	73	0.1	3	7																	
Waders	27720	31.3	22267	40.4	3	15																	
Gulls and terns	10294	11.6	10247	18.6	0	0																	
TOTAL	88457		55110		202	476																	
Date of count: 13 Jan 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																							
* = counts not included in the total number because these might involve the same flock in other areas.																							
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	Shuen Wan	Starling Inlet	
Osprey			4		1	1	4									1			1	11		1	
Black Kite	9	29	10	3			1	4			2	19	3	3	12	18	28	6	52	113	22		
White-bellied Sea Eag			1													0			0	1	2		
Eastern Marsh Harrier	1		3	1				1								1	1		2	7			
Common Buzzard	1	1	1													1	1		2	4			
Greater Spotted Eagle	0	0						0			0	0	0	0	0	2	0	0	2	2			
Imperial Eagle	0	0	1					0			0	0	0	0	0	1	0	0	1	2			
Peregrine Falcon			2													0			0	2			
Pied Kingfisher	2	0	5					0			0	2	0	0	1	0	2	0	2	10		2	
Common Kingfisher	2	3	4				1	2	1		9	0	2	2	4	0	14	1	15	30	2	6	
White-throated Kingfisher	1	1	7				1	1	2		0	1	2	0	2	3	3	1	7	21	1	2	
Black-capped Kingfisher	0	0	3		1			0			0	0	0	0	0	0	0	1	1	4	2	3	
Red-billed Starling	76	156	11					19			73	0	1010	75	149	6	562	0	568	1575	50		
Collared Crow	0	0	6					1			1	16	0	2	0	4	19	0	23	30	3		
Common Kestrel												1		1			2		2				

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

Programme 2007/08

Winter Count

February 2008

Summary Report - February 2008

Y.T. Yu

The 2008 February waterbird count took place on 17th. 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 was also conducted on the same day and counting was conducted at Tsim Bei Tsui police jetty, Mai Po Nature Reserve, Mai Po boardwalk bird watching hide and the Futian National Nature Reserve.

A total of 55,439 waterbirds were counted in the whole Deep Bay area during the high-tide period, of which 40,248 (73%) were recorded in the Ramsar site area. The largest group was comprised by the ducks and grebes at 23,603 (42%) and the waders were the second largest group at 11,941 (22%). During the low-tide period a total of 28,078 waterbirds were counted in the whole Deep Bay area, of which 18,401 (66%) were recorded in the Ramsar site area. Details are shown in table 1. Figures from the low-tide count were lower than the high-tide one in this count. Hence, no supplementary information could be provided to modify the high-tide count in this month. The notable record is a single Dalmatian Pelican *Pelicanus crispus* recorded on 20 February and this species was absent in the previous winter. This is also included to this count because it was present within 7 days of 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 is lower than the previous year's figure in 21%. On the contrary, the figure of the Ramsar site area has an 19% increase from the previous year's figure.

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

Groups	High-tide count	Low-tide count	Maximum figure
Cormorants	8,976 (8,231)	5,496 (5,446)	8,976 (8,231)
Ardeids	2,777 (1,335)	665 (628)	2,777 (1,335)
Ducks, grebes and pelicans	23,603 (13,312)	15,549 (6,834)	23,602 (13,311)
Rails and Coots	576 (146)	320 (300)	576 (146)
Waders	11,941 (9,810)	2,886 (2,041)	11,941 (9,810)
Gulls and terns	7,566 (7,414)	3,162 (3,152)	7,566 (7,414)
Total	55,439 (40,248)	28,078 (18,401)	55,438 (40,247)

Table 2. February waterbird counts 2004-2008.

	2004	2005	2006	2007	2008	Average*	Std. Dev.*
Deep Bay area	25,466	41,722	56,889	70,303	55,439	45,695	13,291
Ramsar Site	13,892	30,754	42,943	33,782	40,248	33,089	11,374

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

Summary of Waterbird Count, February 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	Shuen Wan	Starling Inlet
Little Grebe	54	17						25			30	3	14	6	5	53	72	0	125	207		20
Great Crested Grebe			43		1	34										0		0	0	78		
Great Cormorant	142	225	156				18	172	87	2	36	927	119	254	38	6800	1413	18	8231	8976	1	131
Dalmatian Pelican				1												0		1	1	1		
Grey Heron	12	110	59	7	2	20	57	34	194	5	14	1	0	8	1	296	25	86	407	820	11	53
Purple Heron																0			0	0		
Great Egret	0	42	113	84		1	7	52	5	8	25	84	60	53	10	62	143	92	297	606	86	123
Intermediate Egret	16	0	1	6				0	1		3	0	0	0	0	6	4	6	16	33	1	
Little Egret	2	14	90	22	1		8	49	14	25	110	50	120	47	304	61	304	31	396	917	47	68
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	0						0		1	0	0	0	1	0	0	1	0	1	2		
Chinese Pond Heron	0	12	10	6				1		7	23	1	3	1	14	5	13	6	24	83	1	7
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		105
Yellow Bittern	7	0						0			0	0	0	0	0	0	0	0	0	7		
Cinnamon Bittern																0			0	0		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill				1												2		1	3	3		
Black-faced Spoonbill	20		75				31		16		15				1	148	12	31	191	306		
Common Shelduck				18												0		18	18	18		
Eurasian Wigeon	31	0	166	50		1364	4	0	87	5	24	0	0	0	0	432	0	1418	1850	2163		
Falcatid Duck																0			0	0		
Gadwall																10			10	10		
Baikal Teal																0			0	0		
Common Teal	12	25	70	200			6	11	14		0	0	0	0	40	23	0	217	240	401		17
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																2			2	2		
Burmese Spotbill																0			0	0		
Northern Pintail	2		24	200	20	18			6		65					255	65	245	565	590		9
Garganey			5						54							15			15	74		
Northern Shoveler	3		1016	3070	303	55	45		16							411		3496	3907	4919		1
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	1	11	919		1	5	1									330		7	337	1268		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.			7630		6230		12									0		6242	6242	13872		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
Ruddy-breasted Crake									1							0			0	1		
White-breasted Waterhen	4	2	3	1				0			6	2	0	1	2	3	8	1	12	24	3	3
Watercock																0			0	0		
Common Moorhen	6	16	22					11	15		39	0	0	0	0	79	31	0	110	188		10

Eurasian Coot		1	314			24											24			24	363		
Pheasant-tailed Jacana																	0			0	0		
Greater Painted Snipe																	0			0	0		
Black-winged Stilt	1		669														0			0	670		
Pied Avocet	13		17	6370													1360		6370	7730	7760		
Oriental Pratincole																	0			0	0		
Northern Lapwing																	0			0	0		
Grey-headed Lapwing								1									0			0	1		
Pacific Golden Plover								3									0			0	3		
Grey Plover																	0			0	0		1
Common Ringed Plover																	0			0	0		
Little Ringed Plover	0	56	17	6			3	42	20	37	9	0	13	0	0	59	6	65		203			
Kentish Plover									2								0			0	2		
Lesser Sand Plover																	0			0	0		
Greater Sand Plover																	0			0	0		
Black-tailed Godwit				571													0		571	571	571		
Bar-tailed Godwit																	0			0	0		
Whimbrel				1													0		1	1	1		
Eurasian Curlew				605					1								0		605	605	606		
Far Eastern Curlew																	0			0	0		
Spotted Redshank			47					35									32			32	114		
Common Redshank																	0			0	0		
Marsh Sandpiper								2									1			1	3		
Common Greenshank			447				60	115	1								684		60	744	1307		
Nordmann's Greenshank																	0			0	0		
Green Sandpiper	0	3					0	1	7	4	1	2	8	1	10	0			11		27		
Wood Sandpiper	9	21	173				1	12		3	2	0	1	8	0	7	0		7		230		
Terek Sandpiper																	0			0	0		
Common Sandpiper	2	9	7				3	5		4	11	17	1	5	6	0	37	3	40		70	3	
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														0			0	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			3	3				1									0		3	3	7		
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			3														0			0	3		
Small wader spp.																	0			0	0		

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

Programme 2007/08

Winter Count

March 2008

Summary Report - March 2008

Y.T. Yu

The 2008 March waterbird count was conducted on 9th. The coverage of this count is complete to include 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 55,156 waterbirds were counted in the whole Deep Bay area, of which 30,324 (55%) waterbirds were counted in the Ramsar site area. Shorebirds or called waders are the largest waterbird group in this counted with a total of 22,739 (41%) individuals and Pied Avocets *Recurvirostra avosetta* in 15,617 individuals are the most numerous shorebirds species. Ducks and grebes were the second largest group in 19,887 (36%) individuals. The globally vulnerable Dalmatian Pelican recorded in the February count was not recorded in this count, indicating that it might leave the Deep Bay area.

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 are the new high for the March count since the commencement of this programme. The figure of the whole Deep Bay area has a significant increase of 60% to the 2007 March count, while the Ramsar site figure also have an increase of 28% from the previous year.

Table 1. March waterbird counts 2004-2008.

	2004	2005	2006	2007	2008	Average*	Std. Dev.*
Deep Bay area	12,400	30,259	25,207	36,606	55,156	24,804	12,969
Ramsar Site	6,831	15,391	18,963	23,711	30,324	16,876	8,341

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

Summary of Waterbird Count, March 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	Shuen Wan	Starling Inlet
Little Grebe	30	19	14					31	2		34	2	16	0	7	15	44	0	59	170		7
Great Crested Grebe			135	5	12	72	5			4						0		94	94	233		
Great Cormorant	99	366	1667					192	68		66	16	7	80	67	2844	164	0	3008	5472		68
Dalmatian Pelican																0			0	0		
Grey Heron	152	7	26	9			38	21	128	10	4	3	0	8	0	117	11	47	175	523	15	43
Purple Heron									1							2			2	3		
Great Egret	62	6	81	26	19	4	19	29	1	39	13	7	16	9	26	23	49	68	140	380	82	197
Intermediate Egret	2	0		1				1	2		1	0	0	0	0	7	2	1	10	14		
Little Egret	163	16	288	12	68	8	87	98	8	19	42	4	82	11	29	67	202	175	444	1002	16	17
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	2						2			3	1	3	0	33	0	6	0	6	44		4
Chinese Pond Heron	1	4	18			1	1	0	2	1	47	1	14	1	11	4	41	2	47	106	1	17
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0	20					0			0	0	0	0	0	0	0	0	0	20	1	4
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																0			0	0		
Black-faced Spoonbill	129		63				24	6	55	6			1			33	7		40	317		
Common Shelduck																0			0	0		
Eurasian Wigeon	0	0	803	600		1560	105	0			16	2	0	0	0	173	2	2265	2440	3259		
Falcatid Duck																0			0	0		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	4	9	267	50			57	7	21		0	0	0	0	0	8	0	114	122	423		10
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																6			6	6		
Burmese Spotbill																0			0	0		
Northern Pintail			150	2250			18		13							13		2268	2281	2444		2
Garganey			4						54							3			3	61		4
Northern Shoveler			3939	3300			46	11	13							426		3357	3783	7735		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	1	2	1796					5								42			42	1846		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.			3710													0			0	3710		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	2	1	2				3	2	6	2	6	0	3	0	3	6	7	3	16	36	1	2
Watercock																0			0	0		
Common Moorhen	11	18	37				1	12	15	6	29	0	0	0	4	47	28	1	76	180		14
Eurasian Coot			119													1			1	120		

Pheasant-tailed Jacana																		0			0	0
Greater Painted Snipe								1										0			0	1
Black-winged Stilt			701	22														2		22	24	725
Pied Avocet			4817	10800														0		10800	10800	15617
Oriental Pratincole											6							0		6	6	6
Northern Lapwing																		0			0	0
Grey-headed Lapwing			1															0			0	1
Pacific Golden Plover			22															0			0	22
Grey Plover				480														0		480	480	480
Common Ringed Plover																		0			0	0
Little Ringed Plover	5	24	51				5	14	25	45	20	1	0	1	1	29	0	1	30			192
Kentish Plover			1450															0			0	1463
Lesser Sand Plover																		0			0	0
Greater Sand Plover																		0			0	0
Black-tailed Godwit			1	250														0		250	250	251
Bar-tailed Godwit				1														0		1	1	1
Whimbrel				1														0		1	1	1
Eurasian Curlew				450			1											0		451	451	451
Far Eastern Curlew																		0			0	0
Spotted Redshank			70	150														0		150	150	220
Common Redshank			58															0			0	58
Marsh Sandpiper			217	950			1											0		951	951	1168
Common Greenshank			302	220			18											0		238	238	540
Nordmann's Greenshank				1														0		1	1	1
Green Sandpiper	2	4					0	3	5	5	5	0	3	1	13	0	14					28
Wood Sandpiper	6	11	67				2		0	3	4	0	2	0	9	0	9					95
Terek Sandpiper																		0			0	0
Common Sandpiper	1	6	10				1	6	3	21	9	7	0	9	0	26	1	27				73
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																	0			0	1
Common Snipe	5							3	1									0			0	9
Long-billed Dowitcher																		0			0	0
Asian Dowitcher																		0			0	0
Red Knot				1														0		1	1	1
Great Knot				12														0		12	12	12
Sanderling																		0			0	0
Red-necked Stint																		0			0	0
Little Stint																		0			0	0
Temminck's Stint	2		5	6				2										0		6	6	15
Long-toed Stint																		0			0	0
Pectoral Sandpiper																		0			0	0
Sharp-tailed Sandpiper																		0			0	0
Dunlin			450															0			0	450
Curlew Sandpiper				14														0		14	14	14
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.			842															0			0	842

