



Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme

Monthly Waterbird Count Data
April 2003 – March 2004



The Hong Kong Bird
Watching Society Limited



Agriculture, Fisheries and
Conservation Department

Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Waterbird Count Coordinator

YU Yat Tung

Project Funding

Agriculture, Fisheries and Conservation Department

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Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

APRIL 2003



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Summer Count

April 2003

Summery Report – April 2003

Y.T. Yu

The April 2003 waterbird count took place on the 20th. The count completely covered the Ramsar Site and the Deep Bay area, except the Shenzhen River B (Ma Tso Lung).

A total of 9,019 waterbirds were counted in the Deep Bay area including the Fu Tian National Nature Reserve at Shenzhen, of which 7,595 (84%) were present in the Ramsar Site. The largest group in April comprised of waders, the peak of their occurrence in terms of numbers occurs in the latter half of the month. Up to 6,821 (76%) waders were counted. The next largest group is ardeids and a total of 1,910 (21%) were count in the Deep Bay area. No Great Cormorant was counted and Ducks and grebes have dropped to low number at this time of year, and only 107 (1%) were counted.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows that the number of waterbird in both the whole Deep Bay area and Ramsar site of this count were lower than the average figure.

Table 1. April Waterbird Counts 1999-2003.

April	1999	2000	2001	2002	2003	Average	Std. Dev.
Deep Bay area	11,686	8,049	12,858	10,399	9,019	10,402	1,945
Ramsar Site	11,148	7,826	11,683	8,319	7,595	9,314	1,945

summary of Waterbird Count, April 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	27	0						15		2	3	2	0	10	18	11	0	29	77		1
Great Crested Grebe															0			0	0		
Great Cormorant	0	0						0		0	0	0	0	0	0	0	0	0	0		3
Dalmatian Pelican															0			0	0		
Grey Heron	11	0	4				11	0	1	0	1	0	1	0	46	2	11	59	75		8
Purple Heron															0			0	0		
Great Egret	2	0	50	5	28		33	11	14	5	5	2	5	9	45	14	69	128	214	13	79
Intermediate Egret	1	0	1					0		0	0	0	0	0	1	0	0	1	3		
Little Egret	6	0	600	64	8	9	50	80	67	32	7	43	23	14	195	150	143	488	1198	7	13
Chinese Egret				1											0		1	1	1		
Pacific Reef Egret															0			0	0		
Cattle Egret	43	0					5	66	1	1	1	6	48	3	0	136	5	141	174	9	78
Chinese Pond Heron	3	0	3	3			3	15	4	24	13	8	5	14	1	45	7	53	96	10	5
Striated Heron	0	0						0		0	0	0	0	0	1	0	0	1	1		
B-c Night Heron	0	0	30	3				2	6	0	1	0	0	0	0	3	3	6	42	4	251
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															106			106	106		
Common Shelduck															0			0	0		
Eurasian Wigeon	0	0						0		0	0	0	0	0	10	0	0	10	10		
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															20			20	20		
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	0	0	16				1	1		2	1	0	0	1	2	2	1	5	24		
Watercock															0			0	0		
Common Moorhen	2	0	10	2			5	12		5	0	1	0	1	47	11	8	66	85		
Eurasian Coot															0			0	1		
Pheasant-tailed Jacana															0			0	0		

summary of Waterbird Count, April 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Black-winged Stilt	37		6												42			42	85		
Pied Avocet				860											0		860		860		
Oriental Pratincole															5			5	5		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															0			0	0	1	
Grey Plover															2			2	2		
Common Ringed Plover															0			0	0		
Little Ringed Plover	4	0	6					9	5	0	0	0	0	1	1	7	0	8	26	2	3
Kentish Plover															8			8	8		
Lesser Sand Plover															27			27	27		
Greater Sand Plover															76			76	76		
Black-tailed Godwit															421			421	421		
Bar-tailed Godwit															0			0	0		
Whimbrel															11			11	11		
Eurasian Curlew				1											0		1	1	1		
Far Eastern Curlew															0			0	0		
Spotted Redshank															1288			1288	1288		
Common Redshank			1												1671			1671	1672		
Marsh Sandpiper															118			118	118		
Common Greenshank			300												232			232	532		
Nordmann's Greenshank															0			0	0		
Green Sandpiper	4	0						0	3	2	0	0	0	2	0	2	0	2	11	1	
Wood Sandpiper	0	0	1					44	1	0	2	0	0	1	67	42	2	111	116	6	4
Terek Sandpiper															47			47	47		
Common Sandpiper	3	0	6	1				14	6	11	16	20	4	6	1	56	3	60	88	3	1
Grey-tailed Tattler															1			1	1		6
Ruddy Turnstone															4			4	4		
Red-necked Phalarope								24							0	24		24	24		45
Pintail Snipe															0			0	0		
Swinhoe's Snipe															0			0	0		
Common Snipe			5												0			0	5		
Long-billed Dowitcher															1			1	1		
Asian Dowitcher															8			8	8		
Red Knot															7			7	7		
Great Knot															17			17	17		
Sanderling															0			0	0		
Red-necked Stint				200											18		200	218	218	2	
Temminck's Stint								23							0	21		21	23	3	5
Long-toed Stint															11			11	11		
Sharp-tailed Sandpiper															6			6	6		
Dunlin															0			0	0		
Curlew Sandpiper															1099			1099	1099		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															3			3	3		
Ruff															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

Summary Report

MAY 2003



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Summer Count

May 2003

Summary Report – May 2003

Y.T. Yu

The May 2003 waterbird count took place on 18th. Coverage of the Ramsar site is complete, except Deep Bay B (Mai Po boardwalk). Given that this count was carried out when there was no mud exposed in front of the boardwalk, there was unlikely to have been large numbers of waterbirds at this site. In the whole Deep Bay, surveys were incomplete in areas of Tsim Bei Tsui fishponds 1-40, San Tin and Shenzhen River B (Ma Tso Lung).

A total of 3,925 waterbirds were recorded in the Deep Bay area, including Fu Tian National Nature Reserve, Shenzhen, of which 3,153 (80%) were present in the Ramsar Site. Waders comprised the largest group of birds, which numbered 2,019 (51%) and ardeids formed the second largest group, with 1,762 (45%) present.

A comparison with previous years' count and the average for the month is provided in Table 1. It shows the count at Deep Bay area and Ramsar Site this year return to 'normal' from the particularly high number in May 2002.

Table 1. May waterbird counts 1999-2003.

May	1999	2000	2001	2002	2003	Average	Std. Dev.
Deep Bay area	3,973	2,206	3,201	8,028	3,925	4,267	2,221
Ramsar Site	3,438	1,862	2,238	7,000	3,153	3,538	2,040

Summary of Waterbird Count, May 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	28	0	1					11		0	3	1	3	0	21	12	0	33	68		
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						3		0	0	1	0	0	3	2	2	7	8		
Purple Heron															0			0	0		
Great Egret	43	0	210		41	4	146	18	2	5	4	0	54	0	76	76	197	349	603	10	131
Intermediate Egret	2	0						1		0	0	0	1	0	6	2	0	8	10		3
Little Egret	8	0	190		51	20	249	35	46	51	5	2	59	0	135	120	337	592	851	21	48
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	25	0						6	7	1	0	1	4	0	6	14	0	20	50	18	68
Chinese Pond Heron	3	0	35			1	4	9	1	29	8	0	6	0	4	32	5	41	100	6	3
Striated Heron	0	0						2		0	0	0	0	0	4	2	0	6	6	1	
B-c Night Heron	20	0	18			1	4	3		7	6	0	18	0	52	28	5	85	129	4	247
Yellow Bittern	0	0						0		0	0	0	0	0	0	0	0	0	0	1	
Cinnamon Bittern															0			0	0		
Great Bittern															0			0	0		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill															0			0	0		
Black-faced Spoonbill															5			5	5		
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	2	0	0	2	2		
Mallard															0			0	0		
Spot-billed Duck															1			1	1		
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	0	4			2	15	6		6	3	0	1	0	6	11	18	35	49	4	2
Watercock															0			0	0		
Common Moorhen	2	0	1					3	1	0	0	0	1	0	15	1	3	19	23		
Eurasian Coot															0			0	0		
Pheasant-tailed Jacana															0			0	0		

Summary of Waterbird Count, May 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet	
Black-winged Stilt			5												67			67	72			
Pied Avocet															162				162	162		
Oriental Pratincole															1			1	1			
Northern Lapwing															0			0	0			
Grey-headed Lapwing															0			0	0			
Pacific Golden Plover															4			4	4			
Grey Plover															11			11	11			
Common Ringed Plover															0			0	0			
Little Ringed Plover	0	0	4				1	0		2	0	0	0	0	1	2	1	4	8			
Kentish Plover															0			0	0			
Lesser Sand Plover															15			15	15			
Greater Sand Plover															118			118	118	1		
Black-tailed Godwit															17			17	17			
Bar-tailed Godwit															1			1	1			
Whimbrel							2								7		2	9	9			
Eurasian Curlew															10			10	10			
Far Eastern Curlew															1			1	1			
Spotted Redshank															124			124	124			
Common Redshank			5			5	7								211		12	223	228			
Marsh Sandpiper							3								1		3	4	4			
Common Greenshank						5	6	2							102		11	113	115			
Nordmann's Greenshank															2			2	2			
Green Sandpiper	0	0						0		0	0	0	0	0	0	0	0	0	0			
Wood Sandpiper	0	0						0		0	0	0	0	0	2	0	0	2	2			
Terek Sandpiper															178			178	178			
Common Sandpiper	2	0	5			1	2	0		0	1	0	0	0	1	1	3	5	12	3		
Grey-tailed Tattler			47			61	13								16		74	90	137	16	1	
Ruddy Turnstone															23			23	23			
Red-necked Phalarope															1			1	1			
Pintail Snipe															0			0	0			
Swinhoe's Snipe															0			0	0			
Common Snipe															0			0	0			
Long-billed Dowitcher															0			0	0			
Asian Dowitcher															2			2	2			
Red Knot															16			16	16			
Great Knot															7			7	7			
Sanderling															0			0	0			
Red-necked Stint															507			507	507			
Little Stint															1			1	1			
Temminck's Stint															0			0	0			
Long-toed Stint															2			2	2			
Sharp-tailed Sandpiper															173			173	173			
Dunlin															0			0	0			
Curlew Sandpiper															53			53	53			
Spoon-billed Sandpiper															0			0	0			
Broad-billed Sandpiper															3			3	3			
Ruff															0			0	0			
Wader sp.															0			0	0			

Summary of Waterbird Count, May 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet	
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			
Brown-headed Gull															0			0	0			
Black-headed Gull	0	0						0		0	0	0	0	0	0	0	0	0	0			
Saunders's Gull															0			0	0			
Whiskered Tern															0			0	0			
White-winged Tern															0			0	0			
Gull-billed Tern															0			0	0			
Caspian Tern															0			0	0			
Total	140	0	525	0	92	100	455	97	56	101	30	5	147	0	2177	303	673	3153	3925	85	503	
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	0	0.00	0	0.00	0	0																
Ardeids etc	1762	44.89	1113	35.30	61	500																
Ducks, grebes, pelicans	72	1.83	37	1.17	0	0																
Rails, Coot etc	72	1.83	54	1.71	4	2																
Waders	2019	51.44	1949	61.81	20	1																
Gulls and terns	0	0.00	0	0.00	0	0																
TOTAL	3925		3153		85	503																
Date of count: 2002																						
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 areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet	
Osprey															0			0	0			
Black Kite	0	0						3	1	1	2	0	0	0	0	5	0	5	7	2	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	0					1	0		0	3	0	0	0	4	3	0	7	8		1	
Common Kingfisher	4	0				2	2	3		3	3	0	2	0	2	8	2	12	21	2		
White-throated Kingfisher	0	0	1				1	1		0	0	0	0	0	0	1	4	5	3	1	1	
Black-capped Kingfisher	0	0						0		0	0	0	0	0	0	0	1	1	0			
Red-billed Starling	0	0						0		0	0	0	0	0	0	0	0	0	0			
Collared Crow	0	0						25		0	3	0	2	0	0	30	0	30	30	3		

Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

JUNE 2003



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Summer Count

June 2003

Summary report – June 2003

Y.T. Yu

The June 2003 count was conducted on 15th. Coverage of the whole Deep Bay and the Ramsar Site were incomplete covered at Deep Bay B (Mai Po Boardwalk), Mai Po San Tsuen, intertidal area of Tsim Bei Tsui area (Deep Bay C, D and E) and Tsim Bei Tsui fishpond 41-80. Given that this count was carried out when there was no mud exposed in front of the Mai Po boardwalk and Tsim Bei Tsui intertidal areas, there was unlikely to have been large numbers of waterbirds at this site.

A total of 1,313 waterbirds were recorded in the Deep Bay area, including the Futian National Nature Reserve at Shenzhen. At the Ramsar Site, a total of 527 (40%) waterbirds were present. This is the minimum number recorded in summer 2003, for the reason of absence of passage waders, wintering ducks and cormorant. As usual, ardeids comprised by far the largest group of birds at this time of the year, 1,025 (78%) were recorded.

Table 1 shows the comparison between the previous year's counts and the average for the month. It indicated the numbers of birds in both Deep Bay area and Ramsar site in the June count were lower than the average, while that this year's Ramsar site count was the lowest since the monthly waterbird count has began.

Table.1. June waterbird counts 1998 - 2003 (Note: Count in year 2000 was incomplete due to thunderstorm.)

June	1998	1999	2001	2002	2003	Average	Std. Dev.
Deep Bay area	1,194	1,307	3,324	1,879	1,313	1,803	891
Ramsar Site	891	999	1,500	967	527	977	348

Summary of Waterbird Count, June 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	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	10	3					8		1	0	2	0	1	14	6	0	20	68		
Great Crested Grebe															2			2	2		
Great Cormorant	0	0						0		0	0	0	0	0	0	0	0	0	0		
Dalmatian Pelican															0			0	0		
Grey Heron	0	0						2	2	0	0	0	0	0	0	0	0	0	4		1
Purple Heron															0			0	0		
Great Egret	2	20	257					14	6	13	6	9	0	8	58	24	0	82	393	26	150
Intermediate Egret	0	0						0		0	0	0	0	0	0	0	0	0	0		1
Little Egret	5	16	208					28	11	40	3	18	0	3	52	64	1	117	384	42	65
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	5	1	3					2		1	5	3	0	0	5	10	0	15	25		83
Chinese Pond Heron	4	18	1					22		35	9	20	0	2	8	59	0	67	119	8	4
Striated Heron	0	0	1					0		0	0	0	0	0	2	0	0	2	3	1	
B-c Night Heron	2	6	20					11	2	3	5	5	0	3	28	15	1	44	85	6	287
Yellow Bittern	0	1	1					0		0	0	0	0	0	4	0	0	4	6		
Cinnamon Bittern															0			0	0		
Great Bittern															0			0	0		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill															0			0	0		
Black-faced Spoonbill															6			6	6		
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	1	6	3					7		3	0	4	0	0	2	8	0	10	26	5	3
Watercock															0			0	0		
Common Moorhen	0	1	7					0		0	0	0	0	0	0	0	0	0	8		
Eurasian Coot															0			0	0		
Pheasant-tailed Jacana															0			0	0		

Summary of Waterbird Count, June 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Black-winged Stilt	15		1												2	33	2		35	51	
Pied Avocet																12			12	12	
Oriental Pratincole																0			0	0	
Northern Lapwing																0			0	0	
Grey-headed Lapwing																0			0	0	
Pacific Golden Plover																0			0	0	
Grey Plover																0			0	0	
Common Ringed Plover																0			0	0	
Little Ringed Plover	0	0	7					4		0	0	1	0	0	0	5	0	5	12		
Kentish Plover																0			0	0	
Lesser Sand Plover																0			0	0	
Greater Sand Plover																0			0	0	
Black-tailed Godwit																2			2	2	
Bar-tailed Godwit																0			0	0	
Whimbrel																0			0	0	
Eurasian Curlew																64		64	64		
Far Eastern Curlew																0			0	0	
Spotted Redshank																0			0	0	
Common Redshank																16		16	16		
Marsh Sandpiper																0			0	0	
Common Greenshank																0			0	0	
Nordmann's Greenshank																0			0	0	
Green Sandpiper	0	0						0		0	0	0	0	0	0	0	0	0	0	0	
Wood Sandpiper	0	0						0		0	0	0	0	0	0	0	0	0	0	0	
Terek Sandpiper																1			1	1	
Common Sandpiper	0	0	2					0	1	4	0	0	0	0	0	4	0	4	7	1	
Grey-tailed Tattler																0			0	0	
Ruddy Turnstone																0			0	0	
Red-necked Phalarope																0			0	0	
Pintail Snipe																0			0	0	
Swinhoe's Snipe																0			0	0	
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	
Sharp-tailed Sandpiper																0			0	0	
Dunlin																0			0	0	
Curlew Sandpiper																0			0	0	
Spoon-billed Sandpiper																0			0	0	
Broad-billed Sandpiper																0			0	0	
Ruff																0			0	0	
Wader sp.																0			0	0	

Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

JULY 2003



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Summer Count

July 2003

Summary Report – July 2003

Y.T. Yu

The July 2003 waterbird count took place on 13th. The count completely covered the Ramsar Site and the Deep Bay area.

A total of 3,145 waterbirds were counted in the Deep Bay area, including Futian National Nature Reserve at Shenzhen. A total of 2,133 (68%) were recorded in Ramsar Site. As usual in other summer months, ardeids comprised by far the largest group birds with 2226 (71%) recorded.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows that the count at Deep Bay area and Ramsar Site this year is the highest since the monthly waterbird counts has begun.

Table 1. July Waterbird Counts 1998 - 2003. (Note: Count in year 2001 was incomplete due to heavy rain.)

July	1998	1999	2000	2002	2003	Average	Std. Dev.
Deep Bay area	2439	1941	3020	2135	3145	2,536	531
Ramsar Site	1976	1273	1173	1217	2133	1,554	461

Summary of Waterbird Count, July 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	28	6	1					1		4	0	4	2	30	16	9	0	25	92		
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	0	0						0		0	0	0	0	0	28	0	0	28	28		2
Purple Heron															2			2	2		
Great Egret	7	12	226	8	43	5	71	103	11	9	1	3	4	4	157	49	189	395	664		104
Intermediate Egret	5	2						1		0	0	0	0	0	2	0	0	2	10		5
Little Egret	28	19	261	10	1	33	106	343	51	51	13	23	13	10	108	371	195	674	1070		45
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	3	0	1			8		129		0	0	0	4	0	0	105	36	141	145		22
Chinese Pond Heron	22	10	23			5		33	9	36	9	22	4	21	14	61	21	96	208		3
Striated Heron	0	0	1					1		0	0	1	0	0	11	1	1	13	14		
B-c Night Heron	2	6	16					1	2	0	1	2	0	8	42	3	1	46	80		134
Yellow Bittern	0	1	1					0		1	0	0	0	0	2	0	0	2	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															0			0	0		
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															16			16	16		
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	11	1	2					2		4	1	6	1	8	8	13	0	21	44		2
Watercock															0			0	0		
Common Moorhen	3	1	3					0	1	1	0	0	1	1	0	2	0	2	11		
Eurasian Coot															0			0	0		
Pheasant-tailed Jacana															0			0	0		

Summary of Waterbird Count, July 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Greater Painted Snipe															1			1	1		
Black-winged Stilt	41							2							19	2		21	62		
Pied Avocet															0			0	0		
Oriental Pratincole															0			0	0		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															0			0	0		
Grey Plover															13			13	13		
Common Ringed Plover															0			0	0		
Little Ringed Plover	14	0						2	2	0	0	0	0	1	38	2	0	40	57		
Kentish Plover															0			0	0		
Lesser Sand Plover															0			0	0		
Greater Sand Plover															4			4	4		
Black-tailed Godwit															11			11	11		
Bar-tailed Godwit															0			0	0		
Whimbrel															27			27	27		
Eurasian Curlew															13			13	13		
Far Eastern Curlew															0			0	0		
Spotted Redshank															0			0	0		
Common Redshank															226			226	226		
Marsh Sandpiper															3			3	3		
Common Greenshank															83			83	83		
Nordmann's Greenshank															0			0	0		
Green Sandpiper	0	0						0		0	0	0	0	0	0	0	0	0	0		
Wood Sandpiper	1	0						0		0	0	0	0	0	0	0	0	0	1		
Terek Sandpiper															204			204	204		
Common Sandpiper	20	2						1	1	12	3	1	4	2	3	19	0	22	49		
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		
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															1			1	1		
Little Stint															0			0	0		
Temminck's Stint															0			0	0		
Long-toed Stint															0			0	0		
Sharp-tailed Sandpiper															0			0	0		
Dunlin															0			0	0		
Curlew Sandpiper															0			0	0		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff															0			0	0		

Summary of Waterbird Count, July 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Wader sp.															0			0	0		6
Black-tailed Gull				1											0		1	0	1		
Heuglin's Gull															0			0	0		
Yellow-legged Gull															0			0	0		
Slaty-backed Gull															0			0	0		
Pallas's Gull															0			0	0		
Brown-headed Gull															0			0	0		
Black-headed Gull	0	0						0		0	0	0	0	0	0	0	0	0	0		
Saunders's Gull															0			0	0		
Whiskered Tern															0			0	0		
White-winged Tern															0			0	0		
Gull-billed Tern															0			0	0		
Caspian Tern															0			0	0		
Total	185	60	535	19	44	51	177	619	77	118	28	62	33	85	1052	637	444	2133	3145	0	323
	Deep Bay Area	%	Ramsar Site	%	SW	SI															
Cormorants	0	0.00	0	0.00	0	0															
Ardeids etc	2226	70.78	1399	65.59	0	315															
Ducks, grebes, pelicans	108	3.43	41	1.92	0	0															
Rails, Coot etc	55	1.75	23	1.08	0	2															
Waders	755	24.01	669	31.36	0	6															
Gulls and terns	1	0.03	1	0.05	0	0															
TOTAL	3145		2133		0	323															
Date of count: 2002																					
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 areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Osprey															0			0	0		
Black Kite	0	3						3	2	0	1	0	1	0	0	2	2	4	10		
White-bellied Sea Eag															0			0	0		
Eastern Marsh Harrier															0			0	0		
Common Buzzard															0			0	0		
Greater Spotted Eagle	0	0						0		0	0	0	0	0	0	0	0	0	0		
Imperial Eagle	0	0						0		0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon															0			0	0		
Pied Kingfisher	1	1	1					2		0	0	0	0	0	1	0	0	1	6		1
Common Kingfisher	9	1	1					2		3	0	0	2	9	3	10	0	13	30		1
White-throated Kingfisher	2	0	1			1		4	13	1	2	0	0	4	5	7	0	12	33		3
Black-capped Kingfisher	0	0						0		0	0	0	0	0	0	0	1	1	0		
Red-billed Starling	0	0						0		0	0	0	0	0	0	0	0	0	0		
Collared Crow	2	0						6		0	0	6	0	0	0	4	3	7	14		

Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

AUGUST 2003



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Summer Count

August 2003

Summary Report – August 2003

Y.T. Yu

The August 2003 waterbird count took place on the 10th, and coverages of the Ramsar Site and the Deep Bay were complete, except the Deep Bay B (Mai Po Boardwalk) and at San Tin. For the former site, the count was carried out at a higher tidal level, no mud exposed in front of the boardwalk and it was unlikely to record large numbers of waterbirds.

A total of 3060 waterbirds were counted in the Deep Bay area, including Fu Tian National Nature Reserve, of which 1588 (52%) were present in the Ramsar Site. The largest group comprised of ardeids at 2197 (72%) and the second highest was migrant waders at 715 (23%).

A comparison with previous years' count and the average for the month is provided in Table 1. It shows that the result of this year's count was lower than the average, and it was the second lowest since summer counts have begun in 1998. This year's count in Ramsar site was the lowest among all the counts since 1998.

Table 1. August Waterbird Counts 1999-2003.

August	1999	2000	2001	2002	2003	Average	Std. Dev.
Deep Bay area	2784	3178	4124	4096	3060	3448	621
Ramsar Site	2287	2232	2858	2463	1588	2286	461

Summary of Waterbird Count, August 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	36	27						23		1	0	1	0	0	11	11	0	22	99		
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						0		0	0	0	0	0	5	0	0	5	6		6
Purple Heron															1			1	1		
Great Egret	68	19	250				5	20	117	9	16	2	4	9	0	122	42	125	289	641	154
Intermediate Egret	0	0						0		0	0	0	0	0	3	0	0	3	3		2
Little Egret	58	18	261				21	43	198	31	65	34	48	26	0	133	266	115	514	936	69
Swinhoe's Egret															0			0	0		
Pacific Reef Egret								1							0			0	1		
Cattle Egret	2	11						150		32	12	3	14	0	3	40	0	43	227		14
Chinese Pond Heron	18	48	70				3	4	20	3	45	15	16	25	0	28	93	7	128	295	9
Striated Heron	0	0	1					2		1	0	0	0	0	14	2	0	16	18		
B-c Night Heron	2	12	16					1	3	3	0	0	5	0	27	9	1	37	69		17
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															0			0	0		
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	4	6	8					2	1	7	1	2	0	0	10	10	0	20	41		
Watercock															0			0	0		
Common Moorhen	0	0	6					0		0	0	0	0	0	0	0	0	0	6		
Eurasian Coot															0			0	0		
Pheasant-tailed Jacana															0			0	0		

Summary of Waterbird Count, August 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Greater Painted Snipe															0			0	0		
Black-winged Stilt			1												0			0	1		
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															4			4	4		
Common Ringed Plover															0			0	0		
Little Ringed Plover	17	0						7	7	0	0	1	0	0	0	8	0	8	32		
Kentish Plover															0			0	0		
Lesser Sand Plover															0			0	0		
Greater Sand Plover								3							1	3		4	4		
Black-tailed Godwit															16			16	16		
Bar-tailed Godwit															0			0	0		
Whimbrel															0			0	0		
Eurasian Curlew															21			21	21		
Far Eastern Curlew															0			0	0		
Spotted Redshank															1			1	1		
Common Redshank													2		5	2		7	7		
Marsh Sandpiper															0			0	0		
Common Greenshank								1	8						266	1		267	275		
Nordmann's Greenshank															0			0	0		
Green Sandpiper	2	2						1		1	0	2	0	0	1	4	0	5	9		
Wood Sandpiper	137	0	2					6		0	0	1	0	0	49	7	0	56	195		
Terek Sandpiper															0			0	0		
Common Sandpiper	0	3						24	2	2	13	7	1	0	0	42	1	43	52		
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		
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								1							41	1		42	42		
Little Stint															0			0	0		
Temminck's Stint															0			0	0		
Long-toed Stint	21							3							0	3		3	24		
Sharp-tailed Sandpiper															0			0	0		
Dunlin															0			0	0		
Curlew Sandpiper	1														30			30	31		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff															0			0	0		

Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

SEPTEMBER 2003



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Summer Count

September 2003

Summary Report – September 2003

Y.T. Yu

The September waterbird count was scheduled on 14th. For the Ramsar Site, the intertidal area at Tsim Bei Tsui (Deep Bay C, D and E) was not surveyed. For the whole Deep Bay area, surveys were not conducted at Ma Tso Lung (Shenzhen River B) and coastline from Lau Fau Shan to Nim Wan.

A total of 5,032 waterbirds were recorded in the Deep Bay area, including Fu Tian National Nature Reserve at Shenzhen, of which 3,001 (60%) were present in the Ramsar Site. The largest group in September comprises ardeids, which numbered 2950 (59%) and waders formed the second largest group, with 1883 (37%) present.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows the number of waterbird of this count in the whole Deep Bay area was slightly higher than the average, but the number in Ramsar Site was lower than the average figure.

Table 1. September Waterbird Counts 1998 - 2003. (Note: Count in year 2002 was incomplete due to thunderstorm.)

April	1998	1999	2000	2001	2003	Average	Std. Dev.
Deep Bay area	5,303	3,499	5,689	4,566	5,032	4,818	843
Ramsar Site	4,705	2,994	3,580	3,087	3,001	3,743	730

Summary of Waterbird Count, September 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	39	0						17		12	0	5	5	12	14	32	0	46	104		
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	6	0	10					0		1	0	2	4	0	47	5	0	52	70	1	21
Purple Heron															0			0	0		
Great Egret	3	0	579	20				76		12	0	7	11	3	78	72	36	186	789	13	145
Intermediate Egret	1	0						0		1	0	0	0	0	6	0	0	6	8		2
Little Egret	21	0	871	152				199		78	4	91	32	31	163	281	183	627	1642	24	66
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	3	0						86		11	0	10	5	8	7	100	0	107	130		6
Chinese Pond Heron	22	0	60					9		53	2	28	23	31	20	81	2	103	248	23	2
Striated Heron	0	0						0		0	0	1	0	0	5	0	0	5	6		
B-c Night Heron	1	0	21					1		12	0	2	2	3	11	2	1	14	53	2	22
Yellow Bittern	0	0						0		1	0	0	1	0	1	2	0	3	3		
Cinnamon Bittern															0			0	0		
Black Bittern															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															0			0	0		
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	1	0	0	1	1		
Mallard															0			0	0		
Spot-billed Duck															1			1	1		
Chinese Spotbill															0			0	0		
Burmese Spotbill															0			0	0		
Northern Pintail															0			0	0		
Garganey															13			13	13		
Northern Shoveler			2												2			2	4		
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															1			1	1		
Water Rail															0			0	0		
White-breasted Waterhen	3	0	13					3		13	2	0	0	1	5	15	1	21	40	2	3
Watercock															0			0	0		
Common Moorhen	2	0	2					0		0	0	0	0	0	3	0	0	3	7		
Eurasian Coot															0			0	0		

Summary of Waterbird Count, September 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Pheasant-tailed Jacana															0			0	0		
Greater Painted Snipe															0			0	0		
Black-winged Stilt	8		11					10				4		3	79	14		93	115		2
Pied Avocet															0			0	0		
Oriental Pratincole															0			0	0		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															52			52	52		
Grey Plover															0			0	0		
Common Ringed Plover															0			0	0		
Little Ringed Plover	0	0	25					2		14	0	41	0	0	0	57	0	57	82		
Kentish Plover												2			0	2		2	2		6
Lesser Sand Plover															0			0	0		
Greater Sand Plover															44			44	44		
Black-tailed Godwit															174			174	174		1
Bar-tailed Godwit															14			14	14		
Whimbrel								2							76	2		78	78		
Eurasian Curlew															31			31	31		
Far Eastern Curlew															0			0	0		
Spotted Redshank															9			9	9		
Common Redshank			15												228			228	243		8
Marsh Sandpiper															159			159	159		
Common Greenshank								3							670	3		673	673		10
Nordmann's Greenshank															0			0	0		
Green Sandpiper	0	0	3					0		2	0	0	0	0	0	2	0	2	5		
Wood Sandpiper	4	0	12					3		0	0	0	0	2	74	1	2	77	95		
Terek Sandpiper															2			2	2		
Common Sandpiper	2	0	6					9		17	7	1	2	3	4	31	1	36	51	3	5
Grey-tailed Tattler															0			0	0		
Ruddy Turnstone															0			0	0		
Red-necked Phalarope															0			0	0		
Pintail Snipe											1				0	1		1	1		
Swinhoe's Snipe															0			0	0		
Common Snipe														1	0	1		1	1		
Long-billed Dowitcher															0			0	0		
Asian Dowitcher															0			0	0		
Red Knot															1			1	1		
Great Knot															3			3	3		
Sanderling															0			0	0		
Red-necked Stint												15			8	15		23	23		
Little Stint															0			0	0		
Temminck's Stint															0			0	0		
Long-toed Stint												3			1	3		4	4		
Sharp-tailed Sandpiper															2			2	2		
Dunlin															4			4	4		
Curlew Sandpiper															12			12	12		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															3			3	3		

Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

OCTOBER 2003



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Winter Count

October 2003

Summary Report – October 2003

Y.T. Yu¹

The October 2003 waterbird count took place on the 12th. The count covered the Ramsar Site and the Deep Bay area, where the intertidal area of Deep Bay (i.e. Deep Bay C, D and E) and Mai Po San Tsuen were not completely surveyed.

A total of 5,381 waterbirds was recorded in the Deep Bay area (including Futian National Nature Reserve, Shenzhen Special Economic Zone, China), of which 3,119 were present in Ramsar Site. This monthly total is the lowest count since this survey was first carried out in October (Table 1). The largest group comprised ardeids (2,571 in Deep Bay area) and waders (2,593). This low number was resulted by relatively fewer ducks present in this count. It indicated that most of the wintering waterbirds, in particular ducks, have not yet arrived Mai Po and Deep Bay in the first half of October.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows the number of waterbird of this count in both Deep Bay area is the lowest and number in Ramsar Site is the second lowest in last five years. This count is also lower than the average figure.

Table 1. October waterbird counts 1999-2003.

October	1999	2000	2001	2002	2003	Average	Std. Dev.
Deep Bay area	5,535	13,097	7,559	8,449	5,381	7,839	2,833
Ramsar Site	5,113	8,183	2,877	6,296	3,119	5,273	2,026

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Summary of Waterbird Count, October 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	20	37						5		5	3	11	0	12	6	19	0	25	99		
Great Crested Grebe															0			0	0		
Great Cormorant	0	6	4					1	10	1	0	0	0	0	0	2	0	2	22	1	15
Dalmatian Pelican															0			0	0		
Grey Heron	95	61	105					41		10	8	6	0	8	75	32	7	114	409	19	62
Purple Heron															1			1	1		
Great Egret	9	36	565					46	5	16	0	5	0	9	62	27	20	109	753	53	178
Intermediate Egret	5	4						1		0	0	0	0	0	5	1	0	6	15		3
Little Egret	10	229	380					133	3	113	10	25	0	23	21	212	34	267	947	57	75
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	0	17						54		95	1	6	0	0	2	60	0	62	175		11
Chinese Pond Heron	17	49	78					4		20	5	10	0	25	9	29	0	38	217	9	5
Striated Heron	0	0						0	0	0	0	0	0	0	0	0	0	0	0	1	
B-c Night Heron	0	7	25					1		15	0	0	0	0	3	0	1	4	51	2	4
Yellow Bittern	0	0						0		0	0	1	0	1	1	1	0	2	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															0			0	0		
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	29	0	0	29	29		
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															1			1	1		
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	4	11	2					5	1	2	1	0	0	2	4	5	0	9	32	2	4
Watercock															0			0	0		
Common Moorhen	2	17						6		2	2	1	0	0	4	4	0	8	34		
Eurasian Coot															0			0	0		
Pheasant-tailed Jacana															0			0	0		

Summary of Waterbird Count, October 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Greater Painted Snipe															0			0	0		
Black-winged Stilt	18	7	1					2		1					65	2		67	94		
Pied Avocet															0			0	0		
Oriental Pratincole															0			0	0		
Northern Lapwing															0			0	0		
Grey-headed Lapwing			6												0			0	6		
Pacific Golden Plover															22			22	22		
Grey Plover															20			20	20		
Common Ringed Plover															0			0	0		
Little Ringed Plover	13	4	6					0		8	1	0	0	2	0	11	0	11	34		
Kentish Plover			1												0			0	1		1
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		
Black-tailed Godwit															290			290	290		
Bar-tailed Godwit															3			3	3		
Whimbrel															21			21	21		
Eurasian Curlew															41			41	41		
Far Eastern Curlew															0			0	0		
Spotted Redshank															5			5	5		
Common Redshank															143			143	143		
Marsh Sandpiper															864			864	864		
Common Greenshank		1	17												865			865	883		
Nordmann's Greenshank															0			0	0		
Green Sandpiper	1	8						0		1	0	0	0	1	1	0	0	1	12		
Wood Sandpiper	6	16	5					0		0	0	0	0	1	46	0	0	46	74		
Terek Sandpiper															0			0	0		
Common Sandpiper	2	11	4					13	2	10	5	5	0	7	2	25	0	27	61	3	1
Grey-tailed Tattler															0			0	0		
Ruddy Turnstone															0			0	0		
Red-necked Phalarope															0			0	0		
Pintail Snipe								1							0	1		1	1		
Swinhoe's Snipe															0			0	0		
Common Snipe		1								2					2			2	5		
Long-billed Dowitcher															0			0	0		
Asian Dowitcher															0			0	0		
Red Knot															0			0	0		
Great Knot															12			12	12		
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		
Sharp-tailed Sandpiper															0			0	0		
Dunlin															0			0	0		
Curlew Sandpiper															1			1	1		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff															0			0	0		

Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

NOVEMBER 2003



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Winter Count

November 2003

Summary Report – November 2003

Y.T. Yu¹

The November 2003 waterbird count took place on the 9th. The count completely covered the Ramsar Site and the Deep Bay area.

A total of 21,303 waterbirds was counted in the Deep Bay area, including Futian National Nature Reserve, Shenzhen, of which 18,061 were present in Ramsar Site. The largest two groups comprised ducks and grebes (7,242), which constitutes 34% of waterbirds present and ardeids (5,231) which is 25% of waterbirds present. The number of wader is recorded as 4,296 (20%). The numbers of migratory waterbird species such as ducks and grebes, and waders are fewer than previous year (2002: ducks and grebes – 11,393, waders – 7,859).

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows that the number of birds in Deep Bay area is the lowest in past five years. The numbers of waterbird in Ramsar Site of this count were also lower than the average.

Table 1. November waterbird counts 1999-2003.

November	1999	2000	2001	2002	2003	Average	Std. Dev.
Deep Bay area	30,392	29,553	24,601	34,488	21,303	27,982	4,622
Ramsar Site	20,317	17,411	17,380	25,765	18,061	20,070	3,251

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Summary of Waterbird Count, November 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	32	23	3					19		20	0	12	5	40	28	39	0	67	182		
Great Crested Grebe															0			0	0		
Great Cormorant	84	56	73					16		0	3	14	31	5	2759	60	0	2819	3041	1	108
Dalmatian Pelican															0			0	0		
Grey Heron	141	9	167		17		238	41	3	7	8	17	8	6	484	46	276	806	1146	17	77
Purple Heron								1							4	1		5	5		
Great Egret	8	12	463	60	203	9	448	77	14	6	7	9	5	3	105	30	783	918	1429	53	212
Intermediate Egret	1	0		4				0		2	0	0	0	0	1	1	4	6	8		2
Little Egret	12	14	650	56	170	117	535	108	107	84	49	77	24	30	118	176	925	1219	2151	57	65
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	0	0						32		26	0	5	1	0	0	40	0	40	64		10
Chinese Pond Heron	7	10	84	3			2	4	6	23	0	25	9	53	14	29	5	48	240	9	16
Striated Heron	0	0						0		0	0	0	0	0	1	0	0	1	1	1	
B-c Night Heron	0	4	1					0		0	0	12	0	0	11	0	0	11	28	2	
Yellow Bittern	0	0						0		0	0	0	0	0	0	0	0	0	0		
Cinnamon Bittern															0			0	0		
Great Bittern															0			0	0		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill								1							0		1	1	1		
Black-faced Spoonbill	3			16	7		124				2				6	2	147	155	158		
Common Shelduck															0			0	0		
Eurasian Wigeon	116	38	32	3		3		0		13	0	0	0	13	694	0	6	700	912		
Falcated Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	39	7	5	950	3			8		0	5	15	0	0	554	21	953	1528	1586		12
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill															8			8	8		
Burmese Spotbill															0			0	0		
Northern Pintail	73	1	2	532	6									3	129		538	667	746		
Garganey	1							2							38			38	41		
Northern Shoveler			49	3280	36										22		3316	3338	3387		
Common Pochard															0			0	0		
Baer's Pochard															0			0	0		
Tufted Duck				5			295								2		300	302	302		
Greater Scaup															0			0	0		
Red-breasted Merganser															0			0	0		
Duck sp.			78			120**									0		120	120	78		
Slaty-breasted Rail															0			0	0		
Water Rail															0			0	0		
White-breasted Waterhen	0	1	2					6		1	0	1	2	1	4	9	0	13	18	2	3
Watercock															0			0	0		
Common Moorhen	5	8	9	7				18		13	0	0	0	6	44	26	7	77	110		
Eurasian Coot															20			20	20		
Pheasant-tailed Jacana															0			0	0		

Summary of Waterbird Count, November 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Greater Painted Snipe															0			0	0		
Black-winged Stilt	23	6						1		7	4	4			3	8	1	12	48		
Pied Avocet				1012											0		1012	1012	1012		
Oriental Pratincole															0			0	0		
Northern Lapwing															2			2	2		
Grey-headed Lapwing			6				1	1							0		7	7	8		
Pacific Golden Plover				130											16		130	146	146		
Grey Plover				47											1		47	48	48		2
Common Ringed Plover															0			0	0		
Little Ringed Plover	3	4						14		66	1	19	0	0	0	39	0	39	107		14
Kentish Plover															0			0	0		1
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		
Black-tailed Godwit				1											570		1	571	571		
Bar-tailed Godwit															0			0	0		
Whimbrel				1											0		1	1	1		
Eurasian Curlew				61											0		61	61	61		
Far Eastern Curlew															0			0	0		
Spotted Redshank			1							8					0			0	9		
Common Redshank				20											0		20	20	20		
Marsh Sandpiper				1570											0		1570	1570	1570		
Common Greenshank			44	270											13		270	283	327		
Nordmann's Greenshank				1											0		1	1	1		
Green Sandpiper	4	18	1					2		2	1	2	2	0	0	6	0	6	32		
Wood Sandpiper	6	3	157					10		21	0	1	0	2	0	4	0	4	200		
Terek Sandpiper															0			0	0		
Common Sandpiper	10	10	2			2		18		12	10	11	2	10	3	37	3	43	90	3	4
Grey-tailed Tattler															0			0	0		
Ruddy Turnstone															0			0	0		
Red-necked Phalarope															0			0	0		
Pintail Snipe														1	0			0	1		
Swinhoe's Snipe															0			0	0		
Common Snipe	2	4	5					1		6		1		2	0	1	1	2	21		
Long-billed Dowitcher															0			0	0		
Asian Dowitcher															0			0	0		
Red Knot															0			0	0		
Great Knot				10											0		10	10	10		
Sanderling															0			0	0		
Red-necked Stint															0			0	0		
Little Stint															0			0	0		
Temminck's Stint								1		8		1			0	2		2	10		
Long-toed Stint										1					0			0	1		
Sharp-tailed Sandpiper															0			0	0		
Dunlin															0			0	0		
Curlew Sandpiper															0			0	0		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff															0			0	0		

Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

DECEMBER 2003



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Winter Count

December 2003

Summary Report – December 2003

Y.T. Yu¹

The December 2003 waterbird count took place on the 7th. Except the Shenzhen River B (Ma Tso Lung) and Tam Kon Chau, the other sites in Ramsar Site and the Deep Bay area were surveyed.

A total of 37,578 waterbirds was recorded in the Deep Bay area, of which 31,753 were present in Ramsar Site. This monthly total is the lowest in the counts of past five years but only marginally fewer than previous lowest count (i.e. 38,457 birds) in year 2001. The largest group was duck and grebes at 17,059 individuals, comprising 44% of the total. The second largest group is gulls and terns which were counted to 8,469 (22%) individuals. The counts in December are usually in low number of waterbird because the overall low tidal level in the month and poor visibility at the count site affect the count in Mai Po boardwalk.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows the number of waterbird in the whole Deep Bay area was lower than the average, but the number in the Ramsar site was higher than the average and higher than two previous years.

Table 1. December waterbird counts 1999-2003.

December	1999	2000	2001	2002	2003	Average	Std. Dev.
Deep Bay area	40,854	53,137	38,457	39,036	37,578	43,391	6,940
Ramsar Site	25,094	36,750	25,129	26,580	31,753	30,835	6,294

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Summary of Waterbird Count, December 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	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	0	2				3	42		0	0	3	5	45	23	40	3	66	153	2	5
Great Crested Grebe			86			18									0		18	18	104		
Great Cormorant	366	0	290					102		0	0	8	31	3	3303	60	83	3446	4103	4	11
Dalmatian Pelican				2											0		2	2	2		
Grey Heron	140	0	130		2	14	13	77	13	0	1	8	11	7	380	47	75	502	796	17	82
Purple Heron															2			2	2		
Great Egret	37	0	555	132	22	15	30	80	22	0	1	12	2	5	151	70	225	446	1064	52	220
Intermediate Egret	1	0						0		0	0	0	0	0	4	0	0	4	5		2
Little Egret	27	0	703	87	16	18	103	123	102	0	5	81	22	14	225	210	238	673	1526	27	90
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	0	0						58		0	0	1	19	3	0	77	0	77	81		2
Chinese Pond Heron	23	0	53	8			6	13	6	0	0	2	11	64	13	25	14	52	199	12	14
Striated Heron	0	0						0		0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0						0	3	0	0	0	2	0	15	2	0	17	20	2	
Yellow Bittern	0	0						0		0	0	0	0	0	1	0	0	1	1		
Cinnamon Bittern															0			0	0		
Great Bittern															0			0	0		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill	1														2			2	3		
Black-faced Spoonbill	17		7					66	16**						172	16	66	254	266		
Common Shelduck															0			0	0		
Eurasian Wigeon	131	0	180			631	1	25		0	0	0	0	9	528	0	652	1180	1505		
Falcated Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	103	0	57			1	135	124		0	2	0	0	0	293	6	256	555	715		
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill															44			44	44		
Burmese Spotbill															0			0	0		
Northern Pintail	6		304		280	130	205	30							304		645	949	1259		2
Garganey	1														65			65	66		
Northern Shoveler			389		720		548	18							94		1286	1380	1769		
Common Pochard															0			0	0		
Baer's Pochard															0			0	0		
Tufted Duck						1030		22						1	42		1052	1094	1095		
Greater Scaup														2	0			0	2		
Red-breasted Merganser															0			0	0		
Duck sp.			1575	7930											0		7930	7930	9505		
Slaty-breasted Rail				1											0		1	1	1		
Water Rail															0			0	0		
White-breasted Waterhen	1	0	1					4		0	0	0	0	0	1	4	1	6	7	1	4
Watercock															0			0	0		
Common Moorhen	8	0	5				5	10		0	0	0	1	2	24	8	5	37	55		
Eurasian Coot								1							17			17	18		
Pheasant-tailed Jacana	1														0			0	1		

Summary of Waterbird Count, December 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet	
Greater Painted Snipe															0			0	0			
Black-winged Stilt	7		22					8				6			0	6	5	11	43			
Pied Avocet			16	320	30		6	30							21		374	395	423			
Oriental Pratincole															0			0	0			
Northern Lapwing															1			1	1			
Grey-headed Lapwing															0			0	0			
Pacific Golden Plover				120											0		120	120	120			
Grey Plover				297											0		297	297	297			
Common Ringed Plover															0			0	0			
Little Ringed Plover	0	0						35	12	0	0	0	28	0	2	52	0	54	77		6	
Kentish Plover				530											0		530	530	530		3	
Lesser Sand Plover															0			0	0			
Greater Sand Plover			2												0			0	2			
Black-tailed Godwit				130											0		130	130	130			
Bar-tailed Godwit															0			0	0			
Whimbrel															0			0	0			
Eurasian Curlew				109	5	6			22						0		120	120	142	3		
Far Eastern Curlew															0			0	0			
Spotted Redshank			1					27							0		27	27	28			
Common Redshank								3							0		3	3	3			
Marsh Sandpiper				2200				44	4	1					0		2244	2244	2249			
Common Greenshank				400		9	51	16	12						1		476	477	489			
Nordmann's Greenshank															0			0	0			
Green Sandpiper	2	0	8					6		0	2	2	0	2	0	7	0	7	22	1	3	
Wood Sandpiper	6	0	15					12	2	0	0	0	0	3	0	2	0	2	38			
Terek Sandpiper															0			0	0			
Common Sandpiper	4	0						5	20	3	0	7	7	0	6	3	29	8	40	55	2	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			
Common Snipe			2												0			0	2			
Long-billed Dowitcher								1							0			0	1			
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			
Sharp-tailed Sandpiper															0			0	0			
Dunlin				90											0		90	90	90			
Curlew Sandpiper															0			0	0			
Spoon-billed Sandpiper															0			0	0			
Broad-billed Sandpiper															0			0	0			
Ruff															0			0	0			

Summary of Waterbird Count, December 2003

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Wader sp.															0			0	0		71
Black-tailed Gull				1			1								0		2	2	2		
Heuglin's Gull				20											0		20	20	20		
Yellow-legged Gull															0			0	0		
Slaty-backed Gull															0			0	0		
Pallas's Gull															0			0	0		
Brown-headed Gull															0			0	0		
Black-headed Gull	0	0	83	2840	2890	2630		0	1	0	0	0	0	0	0	0	8360	8360	8444		
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				3											0		3	3	3		
Total	912	0	4486	15220	3965	4502	1253	860	199	0	18	130	132	166	5731	661	25361	31753	37578	123	517
	Deep Bay Area	%	Ramsar Site	%	SW	SI															
Cormorants	4103	10.9	3446	10.9	4	11															
Ardeids etc	3963	10.5	2030	6.4	110	410															
Ducks, grebes, pelicans	16219	43.2	13283	41.8	2	7															
Rails, Coot etc	81	0.2	61	0.2	1	4															
Waders	4743	12.6	4548	14.3	6	85															
Gulls and terns	8469	22.5	8385	26.4	0	0															
TOTAL	37578		31753		123	517															
Date of count: 7 Dec 2003																					
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 ** Twelve Black-faced Spoonbills were counted in flight at DBF which were excluded in the total number.																					
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 areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Osprey				2			1		2						0			0	5	1	1
Black Kite	0	0		1			3	23	3	0	0	2	4	0	14	21	4	39	50	8	3
White-bellied Sea Eag															0			0	0	2	
Eastern Marsh Harrier	1				1			1							0		1	1	3		
Common Buzzard	1								1						2	1		3	4	1	1
Greater Spotted Eagle	0	0						0		0	0	0	0	0	1	0	0	1	1		
Imperial Eagle	1	0						0		0	0	0	0	0	0	0	0	0	1		
Peregrine Falcon															1			1	1		
Pied Kingfisher	0	0	1			1	1	2		0	0	0	0	0	1	2	0	3	6	1	2
Common Kingfisher	10	0	2				3	3	5	0	2	0	2	7	4	9	3	16	38	2	6
White-throated Kingfisher	1	0	2	2	1		4	4	4	0	0	2	0	1	4	5	4	13	25	2	
Black-capped Kingfisher	0	0	2	2			1	3	2	0	1	0	0	0	1	4	7	12	12		2
Red-billed Starling	57	0				14		35	15	0	130	23	0	125	29	161	28	218	428		
Collared Crow	0	0					2	11		0	0	5	2	1	6	16	15	37	27	3	
Common Kestrel													1			1					

Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

JANUARY 2004



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Winter Count

January 2004

Summary Report – January 2004

Y.T. Yu¹

The January 2004 waterbird count took place on 25th and the coverage of both Ramsar site and Deep Bay area was complete.

Only a total of 27,927 waterbirds were counted in the Deep Bay area including Futian, of which 23,915 were recorded in the Ramsar site. The number of waterbird in Deep Bay area has an overwhelming decrease of 48% from January 2003, while the number in Ramsar site also shows a shocking decrease of 41% from last year.

The largest group waterbirds was waders, constituting 9,847 (35%) of birds present in the area. Great Cormorant comprised 8,964 (32%) individuals, which is the second largest group of waterbirds present in the area and this number is the highest record of this species in Hong Kong.

A comparison with previous years' counts and the average for the month is provided in Table 1. Both the numbers of waterbirds in the whole Deep Bay and the Ramsar site are the lowest in past five years and lower than the average.

Table 1. January waterbird counts 1999-2004.

January	1999	2000	2001	2002	2003	2004	Average	Std. Dev.
Deep Bay area	50,757	54,512	55,477	51,333	53,795	27,927	49,928	9,889
Ramsar Site	47,542	52,959	36,742	36,429	40,272	23,915	39,643	10,062

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SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	25	18						37		20	0	7	0	40	33	40	0	73	180	2	5
Great Crested Grebe			8			16			111						0		16	16	135		
Great Cormorant												1600			7364			7364	8964	4	43
Dalmatian Pelican						13									0		13	13	13		
Grey Heron	105	19	27		5	5	161	39	8	9	7	8	17	73	230	61	181	472	713	13	98
Purple Heron															3			3	3		
Great Egret	11	21	133	15	35	7	215	106	14	12	1	38	37	117	53	151	282	486	815	11	213
Intermediate Egret	1	0						0		3	0	1	0	0	3	3	0	6	8	1	1
Little Egret	10	59	102	76	56	11	171	273	146	144	17	179	26	25	84	567	329	980	1379	47	113
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	0	0						32		0	0	0	1	35	0	6	0	6	68		1
Chinese Pond Heron	17	42	3	7	2	2	8	24	17	19	5	2	7	22	10	51	19	80	187	8	9
Striated Heron	0	0						0		0	0	0	0	0	0	0	0	0	0	1	
B-c Night Heron	0	3						0		1	0	0	0	0	2	1	0	3	6	21	
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		
Oriental Stork	1														0			0	1		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill			1				1								0		1	1	2		
Black-faced Spoonbill	1		56				84*	100				14			69	114		183	240		
Common Shelduck				188											0		188	188	188		
Eurasian Wigeon	11	6	27				45	0		31	20	0	0	0	260	20	45	325	400		
Falcatid Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	23	23	34		15		560	600		18	0	0	0	0	44	0	1175	1219	1317		14
Mallard	1	1													0			0	2		
Spot-billed Duck															0			0	0		
Chinese Spotbill	5														9			9	14		
Burmese Spotbill	1														0			0	1		
Northern Pintail	5	1	31			1300				7					25		1300	1325	1369		
Garganey	4														3			3	7		
Northern Shoveler			59				95	30							7		125	132	191		
Common Pochard															0			0	0		
Baer's Pochard															0			0	0		
Tufted Duck							445								74		445	519	519		
Greater Scaup															0			0	0		
Red-breasted Merganser															0			0	0		
Duck sp.							200								0		200	200	200		
Slaty-breasted Rail															0			0	0		
Water Rail															0			0	0		
White-breasted Waterhen	1	2						3		0	0	0	0	3	0	3	0	3	9	3	1
Watercock															0			0	0		
Common Moorhen	9	18					2	12		14	0	0	2	3	33	20	2	55	93	4	1
Eurasian Coot		6	44				180	1							29	1	180	210	260		

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Pheasant-tailed Jacana															0			0	0		
Greater Painted Snipe															0			0	0		
Black-winged Stilt	1													7	0			0	8		
Pied Avocet				1250			17								0		1267	1267	1267		
Oriental Pratincole															0			0	0		
Northern Lapwing															1			1	1		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															0			0	0		
Grey Plover				200											0		200	200	200		1
Common Ringed Plover															0			0	0		
Little Ringed Plover	5	3	4					2	8	1	0	0	0	0	0	1	0	1	23		14
Kentish Plover				2210											0		2210	2210	2210	11	17
Lesser Sand Plover				5											0		5	5	5		
Greater Sand Plover															0			0	0		
Black-tailed Godwit							378								0		378	378	378		
Bar-tailed Godwit				1											0		1	1	1		
Whimbrel															0			0	0		
Eurasian Curlew				736					3						0		736	736	739	2	
Far Eastern Curlew															0			0	0		
Spotted Redshank															0			0	0		
Common Redshank															0			0	0		
Marsh Sandpiper													1		0	1		1	1		
Common Greenshank															0			0	0		
Nordmann's Greenshank															0			0	0		
Green Sandpiper	6	15						2		2	1	2	2	1	0	10	0	10	31		2
Wood Sandpiper	6	4						2		0	0	0	0	1	0	0	0	0	13		
Terek Sandpiper															0			0	0		
Common Sandpiper	7	12	1			1	1	8	2	6	3	10	1	6	1	26	2	29	59	5	
Grey-tailed Tattler															0			0	0		
Ruddy Turnstone															0			0	0		
Red-necked Phalarope															0			0	0		
Pintail Snipe															0			0	0		1
Swinhoe's Snipe															0			0	0		
Common Snipe	1	3						2							0	2		2	6		1
Long-billed Dowitcher															0			0	0		
Asian Dowitcher															0			0	0		
Red Knot															0			0	0		
Great Knot				24											0		24	24	24		
Sanderling															0			0	0		
Red-necked Stint				2											0		2	2	2		
Little Stint															0			0	0		
Temminck's Stint								4							0			0	4		
Long-toed Stint															0			0	0		
Sharp-tailed Sandpiper															0			0	0		
Dunlin				2430											0		2430	2430	2430		
Curlew Sandpiper															0			0	0		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		

Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

FEBRUARY 2004



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Winter Count

February 2004

Summary Report – February 2004

Y.T. Yu¹

The February 2004 waterbird count took place on 22nd and the coverage of the whole Deep Bay and the Ramsar site were complete.

A total of 25,466 waterbirds were counted in the Deep Bay area including Futian, of which only 13,892 were recorded in the Ramsar site. This February count has decreased drastically by 33% and 37% in the whole Deep Bay and in the Ramsar site respectively from February 2003.

The largest group waterbirds was ducks and grebes, constituting 11,288 (44%) of birds present in the area. Great Cormorants comprised 5,846 (23%) individuals, which is the second largest group of waterbirds.

A comparison with previous years' counts and the average for the month is provided in Table 1. Both numbers of waterbirds in the Deep Bay and the Ramsar site, same as the January count, showed the lowest number in last five years and it was lower than the average figure.

Table 1. February waterbird counts 1999-2004.

February	1999	2000	2001	2002	2003	2004	Average	Std. Dev.
Deep Bay area	57,285	46,508	35,477	30,780	38,491	25,466	39,756	10,631
Ramsar Site	49,459	45,700	24,127	23,753	26,237	13,892	29,847	14,970

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SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	46	11	8					21		19	0	7	7	34	29	47	0	76	182		
Great Crested Grebe			77				110		26						0		110	110	213		
Great Cormorant	140	1028	50					42	521	77	1	21	23	36	3907	124	19	4050	5846	1	171
Dalmatian Pelican				13											0		13	13	13		
Grey Heron	66	22	40	5	5	16	233	35	11	5	11	7	45	4	310	84	276	670	815	15	77
Purple Heron															2			2	2		
Great Egret	1	10	30	72	42	23	64	73	9	44	1	2	96	3	24	175	201	400	494	18	235
Intermediate Egret	0	0						0		1	0	1	0	0	9	2	0	11	11		
Little Egret	18	13	360	106	97	67	335	512	135	70	20	27	29	85	58	605	612	1275	1932	23	70
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	0	0						1	12	1	7	38	0	19	0	42	0	42	78		7
Chinese Pond Heron	1	20	6	10			3	11	16	30	3	9	8	36	1	37	14	52	154	8	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	2	68
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															2			2	2		
Black-faced Spoonbill	14		55					35							71		35	106	175		
Common Shelduck															0			0	0		
Eurasian Wigeon	183	0	1000		28	15	69	5		15	0	0	0	0	462	0	117	579	1777		
Falcated Duck	2														0			0	2		
Gadwall															1			1	1		
Baikal Teal															0			0	0		
Common Teal	68	0	250		50	62	413	1		15	0	6	0	0	1373	0	526	1899	2238		14
Mallard	4														0			0	4		
Spot-billed Duck															0			0	0		
Chinese Spotbill	4														19			19	23		
Burmese Spotbill															0			0	0		
Northern Pintail			1000		12	50	12								258		74	332	1332		
Garganey	9														45			45	54		
Northern Shoveler	4		2750		265	6		22							39		271	310	3086		
Common Pochard															0			0	0		
Baer's Pochard															0			0	0		
Tufted Duck	47		395			211									110		211	321	763		
Greater Scaup															0			0	0		
Red-breasted Merganser															0			0	0		
Duck sp.						1600									0		1600	1600	1600		
Slaty-breasted Rail															0			0	0		1
Water Rail															0			0	0		
White-breasted Waterhen	3	0					2	3	5	6	5	0	1	0	0	13	2	15	25	2	2
Watercock															0			0	0		
Common Moorhen	7	7						24		14	0	0	1	2	17	23	0	40	72		2
Eurasian Coot		5													26			26	31		
Pheasant-tailed Jacana															0			0	0		
Greater Painted Snipe															0			0	0		
Black-winged Stilt															0			0	0		
Pied Avocet			1650		4										0		4	4	1654		

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Oriental Pratincole															0			0	0		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															0			0	0		
Grey Plover															0			0	0		
Common Ringed Plover															0			0	0		
Little Ringed Plover	8	0	2					13	17	0	5	6	0	1	0	22	2	24	52		10
Kentish Plover															0			0	0		52
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		
Black-tailed Godwit							275								0		275	275	275		
Bar-tailed Godwit															0			0	0		
Whimbrel															0			0	0		
Eurasian Curlew			480						8						0			0	488		
Far Eastern Curlew															0			0	0		
Spotted Redshank															0			0	0		
Common Redshank															0			0	0		
Marsh Sandpiper								1							0		1	1	1		
Common Greenshank			320						6						0			0	326		
Nordmann's Greenshank															0			0	0		
Green Sandpiper	4	0						6		3	2	5	1	4	0	13	0	13	25		3
Wood Sandpiper	2	9						11		1	0	0	0	0	0	6	6	12	23		1
Terek Sandpiper															0			0	0		
Common Sandpiper	1	1	5			3		9	6	5	11	20	3	7	2	43	4	49	73	2	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		
Common Snipe		1							2	1				1	0	1		1	5		
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								1							0			0	1		
Long-toed Stint															0			0	0		
Sharp-tailed Sandpiper															0			0	0		
Dunlin															0			0	0		4
Curlew Sandpiper															0			0	0		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff															0			0	0		
Wader sp.						120	1230								0		1350	1350	1350		
Black-tailed Gull															0			0	0		
Heuglin's Gull				120				27	5						0		147	147	152		
Yellow-legged Gull															0			0	0		
Slaty-backed Gull															0			0	0		
Pallas's Gull															0			0	0		

Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site

Summary Report

MARCH 2004



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

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

Programme 2003/04

Winter Count

March 2004

Summary Report – March 2004

Y.T. Yu¹

The March 2004 waterbird count took place on 21st and the coverage of Ramsar site and Deep Bay area was complete.

A total of 12,400 waterbirds were counted in the Deep Bay area including Futian, of which 6,831 were recorded in the Ramsar site. The total count was lower than last year but the count in Ramsar site was higher than previous years. However, both the total numbers of Deep Bay and Ramsar Site showed certain fluctuation in the March count since the start of the count.

The largest group waterbirds was waders, constituting 6,016 (49%) of birds present in the area. Ardeids comprised 2,860 (23%) individuals, which is the second largest group of waterbirds.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows the number of waterbird of this count was lower than the average, while the number at Ramsar Site was far lower than the average.

Table 1. March waterbird counts 1999-2004.

March	1999	2000	2001	2002	2003	2004	Average	Std. Dev.
Deep Bay area	11,116	29,835	22,796	13,957	16,364	12,400	17,946	6,610
Ramsar Site	9,146	27,056	18,347	12,383	6,609	6,831	13,395	7,992

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Summary of Waterbird Count, March 2004

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	43	28	5					28		23	2	7	2	30	36	49	0	85	204		2
Great Crested Grebe			73	13											0		13	13	86		
Great Cormorant	326	178	181		7			11		0	25	5	64	139	417	117	10	544	1353	3	18
Dalmatian Pelican															0			0	0		
Grey Heron	67	11	69				48	10		0	14	0	2	23	238	18	57	313	482	2	9
Purple Heron	2														0			0	2		
Great Egret	36	18	193	42	16	1	138	98	10	4	3	1	26	49	47	123	203	373	682	16	170
Intermediate Egret	2	0		2			1	0		1	46	0	0	0	2	46	3	51	54		2
Little Egret	4	22	315	98	29	8	129	140	5	43	28	51	109	145	99	283	305	687	1225	17	87
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	0	0					2	22		0	4	6	16	0	0	31	18	49	50		6
Chinese Pond Heron	3	19	87	2		2	1	2		20	5	6	8	21	5	32	5	42	181	6	5
Striated Heron	0	0						0		0	1	0	0	0	0	1	0	1	1		
B-c Night Heron	0	0	9					0		0	1	0	0	0	0	0	0	0	10	2	233
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	19							2 18*		33*			37		115	37	2	154	173		
Common Shelduck				1											2		1	3	3		
Eurasian Wigeon	5	0	302					500		0	0	0	0	0	18	0	500	518	825		
Falcated Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	0	1	80				4	0		1	1	0	0	0	380	1	4	385	467		30
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill	2														11			11	13		
Burmese Spotbill															0			0	0		
Northern Pintail															0			0	0		
Garganey	3		30												60			60	93		
Northern Shoveler			300												0			0	300		
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	1	1	7	2				4		0	2	0	0	1	2	5	2	9	20		
Watercock															0			0	0		
Common Moorhen	6	14	21					17		13	0	0	3	2	49	20	0	69	125		1
Eurasian Coot															0			0	0		
Pheasant-tailed Jacana															0			0	0		
Greater Painted Snipe															0			0	0		
Black-winged Stilt			18												4			4	22		
Pied Avocet			1900	1											0		1	1	1901		

Summary of Waterbird Count, March 2004

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Oriental Pratincole												32			0	32		32	32		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															0			0	0		
Grey Plover				75											0		75	75	75		
Common Ringed Plover															0			0	0		
Little Ringed Plover	17	14	21					47	3	3	1	2	0	0	4	48	0	52	112		26
Kentish Plover				12											0		12	12	12		
Lesser Sand Plover				1											0		1	1	1		
Greater Sand Plover				65											0		65	65	65		
Black-tailed Godwit				37											0		37	37	37		
Bar-tailed Godwit				8											0		8	8	8		
Whimbrel				1											0		1	1	1		
Eurasian Curlew			8	128											0		128	128	136		
Far Eastern Curlew															0			0	0		
Spotted Redshank			200	364											320		364	684	884		
Common Redshank			10	360											25		360	385	395		
Marsh Sandpiper				1550											37		1550	1587	1587		
Common Greenshank			80	195											6		195	201	281		
Nordmann's Greenshank															0			0	0		
Green Sandpiper	6	19						18		3	2	4	3	1	1	29	0	30	57		1
Wood Sandpiper	9	12	16					18		12	10	1	0	2	0	20	0	20	80		1
Terek Sandpiper															0			0	0		
Common Sandpiper	0	9						13	1	7	2	5	4	5	2	24	0	26	48	2	2
Grey-tailed Tattler															0			0	0		
Ruddy Turnstone															0			0	0		
Red-necked Phalarope				2											0		2	2	2		
Pintail Snipe			4									1			0	1		1	5		
Swinhoe's Snipe															0			0	0		
Common Snipe		1						2		2					0	2		2	5		
Long-billed Dowitcher															0			0	0		
Asian Dowitcher															0			0	0		
Red Knot															0			0	0		
Great Knot				26											0		26	26	26		
Sanderling															0			0	0		
Red-necked Stint				4											0		4	4	4		
Little Stint															0			0	0		
Temminck's Stint								2							0	1		1	2		4
Long-toed Stint															0			0	0		
Sharp-tailed Sandpiper															0			0	0		
Dunlin															0			0	0		
Curlew Sandpiper				40											0		40	40	40		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff				4											0		4	4	4		
Wader sp.			194												0			0	194		
Black-tailed Gull															0			0	0		
Heuglin's Gull				22											0		22	22	22		
Yellow-legged Gull				2											0		2	2	2		
Slaty-backed Gull															0			0	0		
Pallas's Gull															0			0	0		

