



Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme

Monthly Water Bird Count Data

April 2002 – March 2003



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 2002



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 2002/03

Summer Count

April 2002

Summary Report – April 2002

Y.T. Yu¹

The April 2002 waterbird count took place on the 14th. The count completely covered the Ramsar Site and the Deep Bay area.

A total of 10,399 waterbirds were counted in the Deep Bay area including the Fu Tian National Nature Reserve at Shenzhen, of which 8,319 (80%) 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 8,318 (80%) waders were counted. The next largest group is ardeids and a total of 1,745 (17%) 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 130 (1%) were counted.

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

Table 1. April Waterbird Counts 1998-2002.

April	1998	1999	2000	2001	2002	Average	Std. Dev.
Deep Bay area	n/c	11,686	8,049	12,858	10,399	10,748	2,061
Ramsar Site	n/c	11,148	7,826	11,683	8,319	97,44	1,953

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Counts of waterbird in April 2002

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	42	28						20		3	4	7	4	0	0	36	0	36	108		3
Great Crested Grebe								1							0	1		1	1		
Great Cormorant	0	0						0		0	0	0	0	0	0	0	0	0	0		
Dalmatian Pelican															0			0	0		
Grey Heron	1	2	4				11	1	1	0	0	0	0	5	110	1	11	122	135	2	8
Purple Heron	1														2			2	3		
Great Egret	14	9	70		28		33	48	14	0	2	0	2	31	125	50	61	236	376	20	167
Intermediate Egret	0	0						1		0	0	1	1	0	0	3	0	3	3		2
Little Egret	22	25	266		8	9	50	121	67	5	6	29	11	24	156	153	67	376	799	8	95
Swinhoe's Egret				1											0		1	1	1		
Cattle Egret	51	7					5	76	1	28	12	4	4	2	16	110	5	131	206	10	17
Chinese Pond Heron	9	31	36				3	5	4	9	8	19	10	13	1	49	3	53	148	6	3
Striated Heron	0	0						0		0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0	2					0	6	6	0	0	0	0	4	3	0	7	18	3	385
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		
Unidentified Ardeids														21	0			0	21		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill															0			0	0		
Black-faced Spoonbill	1														34			34	35		
Common Shelduck															0			0	0		
Eurasian Wigeon	0	0						0		0	0	0	0	0	17	0	0	17	17		
Falcated Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	0	0						0		0	0	0	0	0	4	0	0	4	4		
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill															0			0	0		
Burmese Spotbill															0			0	0		
Northern Pintail															0			0	0		
Garganey															0			0	0		
Northern Shoveler															0			0	0		
Common Pochard															0			0	0		
Baer's Pochard															0			0	0		
Tufted Duck															0			0	0		
Greater Scaup															0			0	0		
Red-breasted Merganser															0			0	0		
Duck sp.															0			0	0		
Slaty-breasted Rail															0			0	0		
Water Rail															0			0	0		
White-breasted Waterhen	4	7	1					4		5	0	0	0	4	5	6	0	11	30		3
Watercock															0			0	0		
Common Moorhen	20	17	6					1		5	0	1	12	3	32	22	0	54	97		8
Eurasian Coot															0			0	0		
Pheasant-tailed Jacana															0			0	0		
Black-winged Stilt	17													2	0			0	19		

Counts of waterbird in April 2002

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
Pied Avocet				289											0		289	289	289		
Oriental Pratincole	1														0			0	1		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															0			0	0		
Grey Plover															0			0	0		
Common Ringed Plover															0			0	0		
Little Ringed Plover	10	0	2					26	5	1	0	1	1	1	0	28	0	28	47	5	
Kentish Plover															0			0	0		
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		
Black-tailed Godwit															290			290	290		
Bar-tailed Godwit															16			16	16		
Little Curlew															13			13	13		
Whimbrel															5			5	5		
Eurasian Curlew															21			21	21		
Far Eastern Curlew															3			3	3		
Spotted Redshank															1108			1108	1108		
Common Redshank	6		832												823	6		829	1661		
Marsh Sandpiper	1											1			1224	1		1225	1226	3	
Common Greenshank								2							203	2		205	205		
Nordmann's Greenshank															4			4	4		
Green Sandpiper	1	13						2	3	2	0	1	0	14	0	5	0	5	36		1
Wood Sandpiper	160	4						51	1	9	19	14	53	1	450	168	0	618	762	1	
Tringa sp.															0			0	4		
Terek Sandpiper															19			19	19		
Common Sandpiper	13	20	2					27	6	14	18	15	8	29	2	77	0	79	154	2	5
Grey-tailed Tattler															0			0	0	1	
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													1	0			0	2	2	
Snipe sp.															0			0	10		
Long-billed Dowitcher															2			2	2		
Asian Dowitcher															7			7	7		
Red Knot															2			2	2		
Great Knot															35			35	35		
Sanderling															0			0	0		
Red-necked Stint	2													21	0	2		2	23		
Temminck's Stint	3							11							0	11		11	14		
Long-toed Stint	2										5				0	7		7	7	2	
Sharp-tailed Sandpiper								1						4	42	1		43	47		
Dunlin															0			0	0		
Curlew Sandpiper															2284			2284	2284		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper								1		1					0	2		2	2		
Ruff															0			0	0		
Wader sp.															0			0	0		

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

Summary Report

MAY 2002



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 2002/03

Summer Count

May 2002

Summary Report – May 2002

Y.T. Yu¹

The May 2002 waterbird count took place on 12th, and all sites within the Ramsar Site and Deep Bay area were surveyed.

A total of 8,028 waterbirds were recorded in the Deep Bay area, including Fu Tian National Nature Reserve, Shenzhen, of which 7,000 (87%) were present in the Ramsar Site. Waders comprised the largest group of birds, which numbered 6,276 (78%) and ardeids formed the second largest group, with 1,657 (21%) present. This reflects some migrant waders were still present in Deep Bay area during this time of the year.

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 far higher than previous years, and the highest since monthly waterbird counts has began.

Table 1. May waterbird counts 1998-2002.

May	1998	1999	2000	2001	2002	Average	Std. Dev.
Deep Bay area	n/c	3,973	2,206	3,201	8,028	4,352	2,555
Ramsar Site	n/c	3,438	1,862	2,238	7,000	3,635	2,342

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Counts of Waterbird in May 2002

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	5	1					2		1	1	7	5	0	10	15	1	26	52		
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	1					4	0		1	0	0	0	0	19	1	4	24	25		
Purple Heron															0			0	0		
Great Egret	0	27	66	1	22	2	160	58	12	13	4	4	4	9	75	67	192	334	457	11	239
Intermediate Egret	0	0						0		0	0	0	0	0	4	0	0	4	4		7
Little Egret	10	19	128	11	14	13	207	81	91	30	6	16	29	17	78	141	249	468	750	14	89
Swinhoe's Egret				1					1						0		1	1	2		
Cattle Egret	4	8	2				56	82	2	1	3	2	10	21	0	94	59	153	191	8	80
Chinese Pond Heron	7	21	26	1				14	15	22	3	12	12	22	8	55	4	67	163		1
Striated Heron	0	0						0		0	0	0	2	0	4	2	0	6	6		
B-c Night Heron	1	4	4	2			1	5		2	2	2	0	5	3	8	5	16	31	4	381
Yellow Bittern	0	0						0		0	0	0	0	1	0	0	0	0	1		
Cinnamon Bittern															0			0	0		
Great Bittern															0			0	0		
Unidentified Ardeids														18	0			0	18		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill															0			0	0		
Black-faced Spoonbill															9			9	9		
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															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 Waterhen	1	3	1			1		4	2	2	0	1	0	4	4	2	2	8	23	1	2
Watercock															0			0	0		
Common Moorhen	4	0	1					0		0	0	0	2	0	3	2	0	5	10		
Eurasian Coot															4			4	4		
Pheasant-tailed Jacana															0			0	0		
Greater Painted-snipe															2			2	2		

Counts of Waterbird in May 2002

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	14													10	37			37	61		5
Pied Avocet				31											0		31	31	31		
Oriental Pratincole															0			0	0		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															0			0	0		
Grey Plover															5			5	5		
Common Ringed Plover															0			0	0		
Little Ringed Plover	3	0						2	2	1	6	0	0	0	2	9	0	11	16		
Kentish Plover			1												0			0	1		
Lesser Sand Plover															25			25	25		
Greater Sand Plover															133			133	133		
Black-tailed Godwit															6			6	6		
Bar-tailed Godwit															1			1	1		
Whimbrel															8			8	8		
Eurasian Curlew															3			3	3		
Far Eastern Curlew															0			0	0		
Spotted Redshank															1086			1086	1086		
Common Redshank			5						1						262			262	268		
Marsh Sandpiper			9												13			13	22		
Common Greenshank		6													816			816	822	2	
Nordmann's Greenshank															11			11	11		
Green Sandpiper	1	0	1					0		1	0	0	0	0	0	1	0	1	3		
Wood Sandpiper	0	0	2					0		0	0	0	1	0	2	1	0	3	5		
Terek Sandpiper			1												214			214	215		
Common Sandpiper	9	3	2				1	4	3	6	7	6	0	6	7	28	1	36	54	2	
Grey-tailed Tattler			5						5						47			47	57	5	3
Ruddy Turnstone								1							64	1		65	65		
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															1			1	1		
Asian Dowitcher															7			7	7		
Red Knot															15			15	15		
Great Knot															5			5	5		
Sanderling															2			2	2		
Red-necked Stint			318					23							2551	23		2574	2892		
Little Stint															2			2	2		
Temminck's Stint															0			0	0		
Long-toed Stint															7			7	7		
Sharp-tailed Sandpiper			4												192			192	196		
Dunlin															0			0	0		
Curlew Sandpiper			1					2							215	2		217	218		
Spoon-billed Sandpiper															1			1	1		
Broad-billed Sandpiper															30			30	30		
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

JUNE 2002



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 2002/03

Summer Count

June 2002

Summary Report – June 2002

Y.T. Yu¹

The June 2002 count was conducted on 16th. The count completely covered the Ramsar Site and the whole Deep Bay area, except the Deep Bay area 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.

A total of 1,880 waterbirds were recorded in the Deep Bay area, including the Futian National Nature Reserve at Shenzhen. At the Ramsar Site, a total of 968 (51%) waterbirds were present. This is the minimum number recorded in summer 2002, 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, 1,719 (91%) were recorded.

Table 1 shows the comparison between the previous year's counts and the average for the month. It indicated the number of birds in Deep Bay area in the June count marginally higher the average, while that at Ramsar Site far lower than the average and was also the lowest since monthly waterbird counts has began.

Table 1. June waterbird counts 1998-2002

June	1998	1999	2000	2001	2002	Average	Std. Dev.
Deep Bay area	891	1,307	n/c	3,324	1,880	1,850	1,063
Ramsar Site	1,194	999	n/c	1,500	968	1,165	245

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Counts of Waterbird in June 2002

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	22	9	1					22		1	0	3	1	0	10	22	0	32	69		
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	4	0	0	4	4		
Purple Heron																0		0	0		
Great Egret	25	13	63		12	7	290	97	10	17	3	7	3	78	4	37	336	377	629	3	138
Intermediate Egret	0	0						0		0	0	0	0	0	0	0	0	0	0		
Little Egret	34	20	238		11	9	195	41	77	74	9	16	10	13	34	97	225	356	781	21	75
Swinhoe's Egret															2			2	2		
Cattle Egret	0	2					2	12	1	1	5	3	2	16	1	18	4	23	45		42
Chinese Pond Heron	8	11	48		2			28	13	11	18	19	13	18	7	72	9	88	196	6	3
Striated Heron	0	1	1					1		0	3	0	0	0	5	3	0	8	11		
B-c Night Heron	0	7	25					6		5	0	1	1	1	2	2	0	4	48	6	123
Yellow Bittern	0	0	1					0		0	0	0	1	0	0	1	0	1	2		
Cinnamon 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															0			0	0		
Lesser Whitsting Duck															1			1	1		
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	2	3					6	2	2	0	3	1	2	6	8	1	15	31		1
Watercock															0			0	0		
Common Moorhen	0	0	1					0		0	0	0	0	1	0	0	0	0	2		
Eurasian Coot															2			2	2		
Pheasant-tailed Jacana															0			0	0		
Black-winged Stilt										2					3	2		5	5		

Counts of Waterbird in June 2002

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
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															2			2	2		
Common Ringed Plover															0			0	0		
Little Ringed Plover	0	0	2					0		0	11	0	0	0	0	11	0	11	13		
Kentish Plover															0			0	0		
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		
Black-tailed Godwit															1			1	1		
Bar-tailed Godwit															0			0	0		
Whimbrel															0			0	0		
Eurasian Curlew															12			12	12		
Far Eastern Curlew															0			0	0		
Spotted Redshank															0			0	0		
Common Redshank															0			0	0		
Marsh Sandpiper															0			0	0		
Common Greenshank															15			15	15		
Nordmann's Greenshank															0			0	0		
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	1	0	0	1	1		
Terek Sandpiper															0			0	0		
Common Sandpiper	0	0						4		0	2	1	0	0	0	3	4	7	7		
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		
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		
Black-tailed Gull															0			0	0		
Heuglin's Gull															0			0	0		
Yellow-legged Gull															0			0	0		

Counts of Waterbird in June 2002

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
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	93	65	383	n/c	25	16	487	217	103	113	51	53	33	129	112	277	579	968	1880	36	382
	Deep Bay Area	%	Ramsar Site	%	SW	SI															
Cormorants	0	0.0	0	0.0	0	0															
Ardeids etc	1719	91.4	864	89.3	36	381															
Ducks, grebes, pelicans	69	3.7	32	3.3	0	0															
Rails, Coot etc	35	1.9	17	1.8	0	1															
Waders	56	3.0	54	5.6	0	0															
Gulls and terns	0	0.0	0	0.0	0	0															
TOTAL	1880	100	968	100	36	382															
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	1	
Black Kite	0	0						11		2	1	1	4	1	0	15	0	15	20	2	
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		
Bonelli's Eagle		2																	2		
Peregrine Falcon															0			0	0		
Pied Kingfisher	2	2	2				1	2	1	0	0	0	0	0	2	1	1	4	12	1	
Common Kingfisher	0	3						4	1	1	2	4	2	3	0	9	2	11	20		
White-throated Kingfisher	0	4	1					2	3	2	0	0	0	0	0	2	0	2	12		
Black-capped Kingfisher	0	0	1					0		0	0	0	0	0	0	0	2	2	1		
Red-billed Starling	0	0						0		0	0	0	0	0	0	0	0	0	0		
Collared Crow	0	0						13		0	0	1	0	0	0	9	0	9	14	3	

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

Summary Report

JULY 2002



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 2002/03

Summer Count

July 2002

Summary Report – July 2002

Y.T. Yu¹

The July 2002 waterbird count took place on 14th. It completely covered the Ramsar Site. With regard to the Deep Bay area as a whole, except San Tin for which the survey was incomplete, all other sites were surveyed completely.

A total of 2,135 waterbirds were counted in the Deep Bay area, including Futian National Nature Reserve at Shenzhen. A total of 1,217 (57%) were recorded in Ramsar Site. As usual in other summer months, ardeids comprised by far the largest group birds with 1,603 (75%) recorded.

A comparison with previous years' counts and the average for the month is provided in Table 1. It indicates this year's count was lower the average.

Table 1. July Waterbird Counts 1998-2002.

July	1998	1999	2000	2001	2002	Average	Std. Dev.
Deep Bay area	2,439	1,941	3,020	n/c	2,135	2,384	471
Ramsar Site	1,976	1,273	1,173	n/c	1,217	1,410	380

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Counts of Waterbird in July 2002

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	11	15	1					4		1	0	3	2	0	12	10	0	22	49		
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		1	0	0	0	0	1	0	0	1	2	1	1
Purple Heron																0		0	0		
Great Egret	4	16	209	5	62	2	74	41	1	16	5	3	3	1	54	25	168	247	496	25	192
Intermediate Egret	0	0						0		0	0	0	0	0	0	0	0	0	0		2
Little Egret	9	26	301	20	2	1	5	93	4	34	19	34	9	4	114	131	47	292	675	13	116
Pacific Reef Egret																0		0	0		
Cattle Egret	1	12	6					83		21	4	2	0	0	4	86	0	90	133		90
Chinese Pond Heron	7	30	50					25	1	21	27	31	8	6	10	91	3	104	216	6	3
Striated Heron	0	1	1					4		0	0	0	0	0	9	4	0	13	15		
B-c Night Heron	0	3	42					13		0	0	1	6	0	0	12	0	12	65	3	131
Yellow Bittern	0	0	1					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																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	2	2	1					6		0	1	1	3	1	1	5	1	7	18	2	
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		
Black-winged Stilt			1								12				2			2	15		
Pied Avocet																0		0	0		

Counts of Waterbird in July 2002

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	0	0						1		0	11	0	0	0	2	11	0	13	14		
Kentish Plover															0			0	0		
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		
Black-tailed Godwit															36			36	36		
Bar-tailed Godwit															2			2	2		
Whimbrel															0			0	0		
Eurasian Curlew															24			24	24		
Far Eastern Curlew															0			0	0		
Spotted Redshank															0			0	0		
Common Redshank															291			291	291		
Marsh Sandpiper															0			0	0		
Common Greenshank															40			40	40		
Nordmann's Greenshank															0			0	0		
Green Sandpiper	0	0						0		1	3	0	0	0	0	4	0	4	4		
Wood Sandpiper	0	0						0		0	6	0	0	0	0	6	0	6	6		
Terek Sandpiper															0			0	0		
Common Sandpiper	0	0	7					4		2	4	1	1	2	0	9	2	11	21	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		
Temminck's Stint															0			0	0		
Long-toed Stint											6				0			0	6		
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		
Black-tailed Gull															0			0	0		
Heuglin's Gull															0			0	0		
Yellow-legged Gull															0			0	0		
Slaty-backed Gull															0			0	0		

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

Summary Report

AUGUST 2002



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 2002/03

Summer Count

August 2002

Summary Report – August 2002

Y.T. Yu¹

The August 2002 waterbird count took place on the 11th, and coverage of the Ramsar Site was complete, except the sites at Deep Bay B (Mai Po Boardwalk) and Deep Bay F. 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. For the latter site, only part of Deep Bay F (Tsim Bei Tsui fishponds 1-40) was counted.

A total of 4,096 waterbirds were counted in the Deep Bay area, including Fu Tian National Nature Reserve, of which 2,463 (60%) were present in the Ramsar Site. The largest group comprised of ardeids at 2,575 (63%) and the second highest was migrant waders at 1,401 (34%).

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 higher than the average, and it was the second highest since summer counts has begun in 1998.

Table 1. August Waterbird Counts 1998-2002.

August	1998	1999	2000	2001	2002	Average	Std. Dev.
Deep Bay area	3,047	2,784	3,178	4,124	4,096	3,446	623
Ramsar Site	2,817	2,287	2,232	2,858	2,463	2,531	293

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Counts of Waterbird in August 2002

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	26	10	2					9		2	0	3	6	11	3	17	0	20	72		
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	13	0	0	13	13		4
Purple Heron															3			3	3		
Great Egret	13	41	410		24	74	58	11	19	9	5	4	18	11	58	38	158	254	755	41	209
Intermediate Egret	0	0						0		0	0	0	0	0	1	0	0	1	1		
Little Egret	20	40	452		32	244	88	17	125	23	17	45	10	25	81	90	367	538	1219	27	114
Swinhoe's Egret															0			0	0		
Cattle Egret	5	4						44		1	5	0	43	0	91	92	0	183	193	1	35
Chinese Pond Heron	29	13	69			2		5	12	23	16	37	22	50	4	91	2	97	282	8	3
Striated Heron	0	0	2					0		0	0	1	0	0	3	0	0	3	6	1	
B-c Night Heron	3	6	60					0		0	0	0	7	7	14	8	0	22	97	4	44
Yellow Bittern	0	0	2					0		0	0	0	0	0	3	0	0	3	5		
Cinnamon Bittern															0			0	0		
Great Bittern															0			0	0		
Ardeids sp.														1	0			0	1		
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	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 Waterhen	11	6	8			1		0		5	1	0	1	3	0	7	1	8	36	1	1
Watercock															0			0	0		
Common Moorhen	0	0	11					0		0	0	0	0	0	0	0	0	0	11		
Eurasian Coot															0			0	0		
Pheasant-tailed Jacana															0			0	0		
Black-winged Stilt			17											17	7			7	41		

Counts of Waterbird in August 2002

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
Pied Avocet															2			2	2		
Oriental Pratincole															0			0	0		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															0			0	0		
Grey Plover															1			1	1		
Common Ringed Plover															0			0	0		
Little Ringed Plover	2	0						0	14	0	0	0	0	0	16	0	0	16	32		
Kentish Plover															0			0	0		2
Lesser Sand Plover															0			0	0		
Greater Sand Plover															3			3	3	1	51
Black-tailed Godwit															10			10	10		
Bar-tailed Godwit															4			4	4		
Whimbrel															33			33	33		
Eurasian Curlew															23			23	23		
Far Eastern Curlew															0			0	0		
Spotted Redshank															0			0	0		
Common Redshank															391			391	391		
Marsh Sandpiper															1			1	1		
Common Greenshank															678			678	678		
Nordmann's Greenshank															0			0	0		
Green Sandpiper	0	0						0		1	0	0	0	0	0	1	0	1	1		
Wood Sandpiper	0	0						0		0	0	0	0	0	34	0	0	34	34		
Tringa sp.														5	0			0	5		
Terek Sandpiper															6			6	6		
Common Sandpiper	10	1	3				1	6	5	6	15	3	2	5	2	32	1	35	59		1
Grey-tailed Tattler									5						1			1	6	5	
Ruddy Turnstone															1			1	1		
Red-necked Phalarope															0			0	0		
Pintail Snipe															0			0	0		
Swinhoe's Snipe															0			0	0		
Common Snipe															0			0	0	1	
Long-billed Dowitcher															0			0	0		
Asian Dowitcher															7			7	7		
Red Knot															0			0	0		
Great Knot															0			0	0		
Sanderling															0			0	0		
Red-necked Stint															33			33	33		
Temminck's Stint															0			0	0		
Long-toed Stint															0			0	0		
Sharp-tailed Sandpiper															0			0	0		
Dunlin															0			0	0		
Curlew Sandpiper															30			30	30		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff															0			0	0		
Wader sp.															0			0	0		
Black-tailed Gull															0			0	0		
Heuglin's Gull															0			0	0		

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

Summary Report

SEPTEMBER 2002



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 2002/03

Summer Count

September 2002

Summary Report – September 2002

Y.T. Yu¹

The September waterbird count was scheduled on 22nd, but the count was incomplete for the reason of unstable weather condition. Unfortunately, it was not possible to reschedule this count.

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

Summary Report

OCTOBER 2002



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 2002/03

Winter Count

October 2002

Summary Report – October 2002

Y.T. Yu¹

The October 2002 waterbird count took place on the 20th. The count completely covered the Ramsar Site and the Deep Bay area.

A total of 8,449 waterbirds was recorded in the Deep Bay area (including Futian, which is now being surveyed regularly), of which 6,269 were present in Ramsar Site. This monthly total is second highest since 1998 when a survey was first carried out in October. The largest group comprised ardeids (3,139 in Deep Bay area), duck and grebes (2,447) and waders (2,133). This reflects the presence of wintering ducks and ardeids, and a still healthy number of migrant waders. The other notable count on the counting date is that the first individual of a globally threatened Black-faced Spoonbill *Platalea minor* arrived to Mai Po Nature Reserve in winter 2002-03.

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

Table 1. October waterbird counts 1998-2002.

October	1998	1999	2000	2001	2002	Average	Std. Dev.
Deep Bay area	7,012	5,535	13,097	7,559	8,449	8,330	2,867
Ramsar Site	6,048	5,113	8,183	2,877	6,296	5,703	1,934

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Counts of waterbird in October 2002

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	9	10	2					33		8	0	0	10	0	21	46	0	67	93		
Great Crested Grebe															0			0	0		
Great Cormorant	42	26	114					7		0	3	22	33	37	349	68	0	417	633		26
Dalmatian Pelican															0			0	0		
Grey Heron	34	73	199		8	2	43	60	1	13	6	5	5	36	206	43	89	338	691	8	57
Purple Heron		1													3			3	4		
Great Egret	6	61	431	31	6	15	62	91		0	0	7	11	11	111	35	181	327	843	47	312
Intermediate Egret	0	0						0		0	0	0	0	0	14	0	0	14	14	5	2
Little Egret	13	96	388		12	29	70	197	14	1	5	18	14	16	205	197	130	532	1078	42	114
Pacific Reef Egret															0			0	0		
Cattle Egret	6	1						11		22	0	15	1	7	8	35	0	43	71		5
Chinese Pond Heron	15	51	116		1	1	2	9	3	48	3	24	12	22	34	82	6	122	341	8	14
Striated Heron	0	0						0		2	0	0	0	0	2	2	0	4	4	1	
B-c Night Heron	1	8	48					1		2	0	2	16	1	5	19	0	24	84	2	9
Yellow Bittern	2	1	1					0		0	0	0	0	0	0	0	0	0	4		
Cinnamon Bittern															0			0	0		
Great Bittern															0			0	0		
Unidentified ardeids													4		0	4		4	4		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill															0			0	0		
Black-faced Spoonbill															1			1	1		
Common Shelduck															0			0	0		
Eurasian Wigeon	0	0	8					0		0	0	0	0	0	137	0	0	137	145		
Falcated Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	10	0		41	16		22	0		0	0	1	0	0	113	2	79	194	203		
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill															5			5	5		
Burmese Spotbill															0			0	0		
Northern Pintail				100											139		100	239	239		
Garganey							4								63		4	67	67		
Northern Shoveler				450											11		450	461	461		
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.															1234			1234	1234		
Slaty-breasted Rail															0			0	0		
Water Rail															0			0	0		
Ruddy-breasted Crane										1					0			0	1		
White-breasted Waterhen	2	6	3					5	1	3	0	2	0	1	2	10	0	12	25		5
Watercock															0			0	0		
Common Moorhen	7	9	1					16		5	0	0	0	2	29	14	0	43	69		1
Eurasian Coot													2		0	2		2	2		
Pheasant-tailed Jacana	2														0			0	2		

Counts of waterbird in October 2002

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	18		4					3		1				1	173	3		176	200		
Pied Avocet															67			67	67		
Oriental Pratincole															0			0	0		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															28			28	28		
Grey Plover															34			34	34		
Common Ringed Plover															0			0	0		
Little Ringed Plover	0	6	12					23		1	0	17	33	5	4	74	0	78	101		
Kentish Plover	5														0			0	5		
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		20
Black-tailed Godwit															385			385	385		
Bar-tailed Godwit															0			0	0		
Whimbrel															0			0	0		
Eurasian Curlew			1												50			50	51		
Far Eastern Curlew															0			0	0		
Spotted Redshank															12			12	12		
Common Redshank	3														48			48	51		
Marsh Sandpiper								14							633		14	647	647		
Common Greenshank	2							5							344		5	349	351	2	
Nordmann's Greenshank															0			0	0		
Green Sandpiper	5	7						1	4	4	0	5	3	2	6	15	1	22	37		
Wood Sandpiper	11	0						6		11	1	1	0	0	18	15	0	33	48		
Terek Sandpiper															0			0	0		
Common Sandpiper	5	14	4					20		12	7	8	6	11	11	50	0	61	98		1
Grey-tailed Tattler								5							0	5		5	5		
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				3	2		5	5		
Long-billed Dowitcher															0			0	0		
Asian Dowitcher															0			0	0		
Red Knot															0			0	0		
Great Knot															3			3	3		
Sanderling															0			0	0		
Red-necked Stint															0			0	0		
Temminck's Stint															0			0	0		
Long-toed Stint															0			0	0		
Sharp-tailed Sandpiper															1			1	1		
Dunlin															0			0	0		
Curlew Sandpiper															1			1	1		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff															1			1	1		
Wader sp.															0			0	0		
Black-tailed Gull															0			0	0		
Heuglin's Gull															0			0	0		

Counts of waterbird in October 2002

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
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	198	370	1332	622	43	47	223	491	19	134	27	127	150	152	4514	723	1059	6296	8449	115	566
	Deep Bay Area	%	Ramsar Site	%	SW	SI															
Cormorants	633	7.5	417	6.6	0	26															
Ardeids etc	3139	37.2	1412	22.4	113	513															
Ducks, grebes, pelicans	2447	29.0	2404	38.2	0	0															
Rails, Coot etc	97	1.1	57	0.9	0	6															
Waders	2133	25.2	2006	31.9	2	21															
Gulls and terns	0	0.0	0	0.0	0	0															
TOTAL	8449	100	6296	100	115	566															
Date of count: 20 Oct 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	1														4			4	5		1
Black Kite	2	8						28		0	0	2	5	5	13	35	0	48	63	5	
White-bellied Sea Eag								1							0	1		1	1		
Eastern Marsh Harrier	1														2			2	3		
Common Buzzard															0			0	0	1	
Greater Spotted Eagle	0	0						0		0	0	0	1	0	0	1	0	1	1		
Imperial Eagle	0	0						0		0	0	0	0	0	0	0	0	0	0		
Common Kestrel															1			1	1		
Peregrine Falcon															1			1	1		
Unidentified Falcon													1		0	1		1	1		
Pied Kingfisher	0	5						2		0	0	0	2	5	2	4	0	6	16	1	2
Common Kingfisher	0	11	2					11		11	1	7	7	5	4	32	0	36	59		8
White-throated Kingfisher	2	5	7				2	13		1	0	2	3	2	7	14	3	24	44	1	1
Black-capped Kingfisher	0	0	3				2	1		0	2	0	0	0	9	3	2	14	17	2	2
Red-billed Starling	14	0						0		0	0	0	0	0	2	0	2	2	16		
Collared Crow	2	0						9		0	0	0	0	0	1	9	0	10	12	16	

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

Summary Report

NOVEMBER 2002



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 2002/03

Winter Count

November 2002

Summary Report – November 2002

Y.T. Yu¹

The November 2002 waterbird count took place on the 17th. The count completely covered the Ramsar Site and the Deep Bay area.

A total of 34,488 waterbirds was recorded in the Deep Bay area (including Futian, which is now being surveyed regularly), of which 25,765 were present in Ramsar Site. Both numbers are the highest since 1998 when a survey was first carried out in November. The largest group comprised duck and grebes (11,393), which constitute 33% of waterbirds present and the second largest group is waders (7,859), which is 23% of waterbirds present. This reflects the presence of good numbers of wintering ducks and other waterbird species, and a still good number of migrant waders. Great Cormorant number reached to 6,534 (19%) in this count.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows that both numbers of waterbird in Deep Bay and in Ramsar Site of this count were higher than the average.

Table 1. November waterbird counts 1998-2002.

November	1998	1999	2000	2001	2002	Average	Std. Dev.
Deep Bay area	27,552	30,392	29,553	24,601	34,488	29,317	3,651
Ramsar Site	21,484	20,317	17,411	17,380	25,765	20,471	3,464

¹ Yu Yat Tung (Coordinator, Waterbird Monitoring Programme)
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Counts of waterbird in November 2002

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	7	15	5					27		10	0	7	7	5	24	38	0	62	107	1	5
Great Crested Grebe															0			0	0		
Great Cormorant	224	265	2385				21	155		0	6	13	86	53	3326	162	114	3602	6534	1	181
Dalmatian Pelican															0			0	0		
Grey Heron	155	51	140	1	36	1	122	98		15	10	8	4	56	390	46	222	658	1087	19	94
Purple Heron															0			0	0		
Great Egret	23	13	464	1	85	3	124	159		29	4	4	3	31	108	59	296	463	1051	28	286
Intermediate Egret	2	0						1		7	1	0	0	0	7	9	0	16	18		1
Little Egret	4	21	433	16	61	10	127	558	31	137	6	23	1	148	69	583	245	897	1645	7	151
Pacific Reef Egret															0			0	0		
Cattle Egret	0	0					3	47		0	1	0	0	1	0	40	9	49	52		13
Chinese Pond Heron	12	31	114				7	34		29	2	13	4	23	15	48	26	89	284	8	7
Striated Heron	0	0						0		0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	18						0		0	0	0	0	0	56	0	0	56	74	3	1
Yellow Bittern	2	0						0		0	0	0	0	0	0	0	0	0	2		
Cinnamon Bittern															0			0	0		
Great Bittern							1								0		1	1	1		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill															2			2	2		
Black-faced Spoonbill			17	1	53		27			29				14	55		81	136	196		
Common Shelduck				6											0		6	6	6		
Eurasian Wigeon	109	0	483	50	20	2	76	8		1	0	1	0	32	1685	1	156	1842	2467		
Falcated Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	0	0	42	5			102	4		26	0	0	0	11	946	0	107	1053	1136		11
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill	5														32			32	37		
Burmese Spotbill															0			0	0		
Northern Pintail	18		424	370	110		31								599		511	1110	1552		
Garganey				1											26		1	27	27		
Northern Shoveler	62		718	1706	40		17	12							21		1763	1784	2576		
Common Pochard															0		0	0	0		
Baer's Pochard															0		0	0	0		
Tufted Duck			242			17		1							0		18	18	260		
Greater Scaup															0			0	0		
Red-breasted Merganser															0			0	0		
Duck sp.			1025		2200										0		2200	2200	3225		
Slaty-breasted Rail															1			1	1		
Water Rail															0			0	0		
White-breasted Waterhen	1	1	2					1	1	1	1	2	1	0	1	5	0	6	12		
Watercock															0			0	0		
Common Moorhen	2	13	5					4		4	0	0	4	0	37	9	0	46	69		4
Eurasian Coot															15			15	15		
Pheasant-tailed Jacana															0			0	0		
Black-winged Stilt			3												1			1	4		
Pied Avocet				2143				4		8					1		2147	2148	2156		1

Counts of waterbird in November 2002

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								1							0	1		1	1		
Pacific Golden Plover				186											0		186	186	186		
Grey Plover				150											0		150	150	150		4
Common Ringed Plover															0			0	0		
Little Ringed Plover	1	4	3					7		20	0	21	0	0	0	40	0	40	56		
Kentish Plover				378											0		378	378	378	5	2
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		
Black-tailed Godwit				440											0		440	440	440		
Bar-tailed Godwit				1											0		1	1	1		
Whimbrel				1											0		1	1	1		
Eurasian Curlew				126					2						0		126	126	128		1
Far Eastern Curlew															0			0	0		
Spotted Redshank				478				42		75					6		520	526	601		
Common Redshank			3	56				4							0		60	60	63		
Marsh Sandpiper				1430				36		1					0		1466	1466	1467		
Common Greenshank			63	455				2		15					13		457	470	548		1
Nordmann's Greenshank															0			0	0		
Green Sandpiper	0	8						1		10	3	4	3	3	2	17	0	19	34		1
Wood Sandpiper	0	1	89					0		10	1	0	0	0	5	2	0	7	106		
Terek Sandpiper															0			0	0		
Common Sandpiper	0	6	4			8		18		13	19	12	4	7	1	61	8	70	92	1	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		1													0			0	1		
Long-billed Dowitcher															0			0	0		
Asian Dowitcher															0			0	0		
Red Knot															0			0	0		
Great Knot				7											0		7	7	7		
Sanderling															0			0	0		
Red-necked Stint					8										0		8	8	8		
Temminck's Stint															0			0	0		
Long-toed Stint											1				0			0	1		
Sharp-tailed Sandpiper															0			0	0		
Dunlin				1430											0		1430	1430	1430		
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		34
Black-tailed Gull															0			0	0		
Heuglin's Gull				8											0		8	8	8		
Yellow-legged Gull															0			0	0		
Slaty-backed Gull															0			0	0		

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

Summary Report

DECEMBER 2002



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 2002/03

Winter Count

December 2002

Summary Report – December 2002

Y.T. Yu¹

The December 2002 waterbird count took place on the 21st. The count completely covered the Ramsar Site and the Deep Bay area.

A total of 39,036 waterbirds was recorded in the Deep Bay area (including Futian, which is now being surveyed regularly), of which 26,580 were present in Ramsar Site. This monthly total is the second lowest since 1998 when a survey was first carried out in December. The largest group was duck and grebes at 14,827 individuals, comprising 38% of the total. Numbers of other groups of waterbirds are 9,503 (24%) Gulls and terns, 5,767 (15%) Great Cormorants, 4,406 (11%) ardeids and 4,314 (11%) waders. Low number of waterbird at Mai Po boardwalk was recorded this month. It is because the overall low tidal level in the month and poor visibility at the count site.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows the numbers of waterbird in both Deep Bay area and Ramsar site of this count were lower than the average, but both were higher than last winter.

Table 1. December waterbird counts 1998-2002.

December	1998	1999	2000	2001	2002	Average	Std. Dev.
Deep Bay area	51,283	40,854	53,137	38,457	39,036	44,553	7,076
Ramsar Site	39,701	25,094	36,750	25,129	26,580	30,651	7,019

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Counts of waterbird in December 2002

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	48	13	10					26		13	1	9	6	1	28	38	1	67	155		
Great Crested Grebe			12						107						44			44	163		
Great Cormorant	32	337	291				70	25		68	3	29	60	48	4804	146	71	5021	5767	3	
Dalmatian Pelican															0			0	0		
Grey Heron	15	44	243	6		1	180	45	17	13	9	14	3	16	231	55	197	483	837	17	
Purple Heron															5			5	5		
Great Egret	5	16	346	221	60	4	153	15	25	17	1	16	3	13	262	32	442	736	1157	23	
Intermediate Egret	0	0						0		0	0	0	0	0	1	0	0	1	1		
Little Egret	79	129	498	174	120	8	236	76	118	7	6	35	17	13	137	167	542	846	1653	18	
Pacific Reef Egret															0			0	0		
Cattle Egret	6	0						5		46	20	9	28	0	4	107	0	111	118		
Chinese Pond Heron	12	19	72	6		3	1	11	14	35	3	9	2	16	23	40	13	76	226	6	
Striated Heron	0	0						0		0	0	0	0	0	0	0	0	0	0	1	
B-c Night Heron	0	14	5					1		0	0	0	1	0	51	2	0	53	72	3	
Yellow Bittern	0	0						0		0	0	0	0	0	0	0	0	0	0		
Cinnamon Bittern															0			0	0	1	
Great Bittern															0			0	0		
Unidentified Ardeids													103		0	103		103	103		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill															0			0	0		
Black-faced Spoonbill			25				55		2				3		149			149	234		
Common Shelduck				9											0		9	9	9		
Eurasian Wigeon	180	51	345		20			43		115	0	0	0	0	586	64	50	700	1340		
Falcated Duck	2														0			0	2		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	16	79	38				140	33		23	0	0	7	0	915	3	172	1090	1251		
Mallard															0			0	0		
Spot-billed Duck														2	2			2	4		
Chinese Spotbill	6														35			35	41		
Burmese Spotbill															0			0	0		
Northern Pintail	30	14	620		20		673	20		45					787	2	20	809	2209		
Garganey										3					34			34	37		
Northern Shoveler	21	1	1763		80		20	10		7					34		10	44	1936		
Common Pochard															0			0	0		
Baer's Pochard										2					2			2	2		
Tufted Duck	25								1040	7					84			84	1156		
Greater Scaup										0					0			0	0		
Red-breasted Merganser										0					0			0	0		
Duck sp.	80		3210	3232											0		3232	3232	6522		
Slaty-breasted Rail				1											0		1	1	1		
Water Rail															0			0	0		
White-breasted Waterhen	0	0	1					2	1	2	0	0	0	0	2	3	0	5	8		
Watercock															0			0	0		
Common Moorhen	14	43	8	4		1		23		40	0	0	3	0	20	55	5	80	156	2	
Eurasian Coot	3	6										1			44			44	54		
Pheasant-tailed Jacana															0			0	0		
Black-winged Stilt	4	2													0			0	6		

Counts of waterbird in December 2002

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
Pied Avocet	1		629	1240	190		18			1					0		1448	1448	2079		
Oriental Pratincole															0			0	0		
Northern Lapwing															0			0	0		
Grey-headed Lapwing								1							0		1	1	1		
Pacific Golden Plover				230											0		230	230	230		
Grey Plover				134	30										0		164	164	164		
Common Ringed Plover															0			0	0		
Little Ringed Plover	0	7					20	31	10	26	0	0	0	4	0	27	22	49	98		
Kentish Plover															0			0	0		
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		
Black-tailed Godwit				150											0		150	150	150		
Bar-tailed Godwit															0			0	0		
Whimbrel															0			0	0		
Eurasian Curlew				260	60		110		3						0		430	430	433		
Far Eastern Curlew															0			0	0		
Spotted Redshank			4												0			0	4		
Common Redshank			105												0			0	105		
Marsh Sandpiper										3			1		0	2		2	4		
Common Greenshank			23					3	5						0	1	2	3	31		
Nordmann's Greenshank															0			0	0		
Green Sandpiper	3	4				1		1		10	2	1	8	2	0	17	1	18	32		
Wood Sandpiper	4	0					1	4		3	1	0	0	0	0	3	5	8	13		
Terek Sandpiper															0			0	0		
Common Sandpiper	2	3	1			1		16	3	16	13	8	14	3	2	53	3	58	82	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								4		4			5	1	0	5	1	6	14		
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		
Temminck's Stint								14							0	2		2	14		
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.				674	180										0		854	854	854		
Black-tailed Gull															0			0	0		
Heuglin's Gull				65			3								0		68	68	68		
Yellow-legged Gull				1											0		1	1	1		

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

Summary Report

JANUARY 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 2002/03

Winter Count

January 2003

Summary Report – January 2003

Y.T. Yu¹

The January 2003 waterbird count took place on 19th and the coverage of both Ramsar site and Deep Bay area was complete.

A total of 53,795 waterbirds were counted in the Deep Bay area including Futian, of which 40,272 were recorded in the Ramsar site. Number of waterbirds in January count has become stable in range of 50,000 to 55,000 birds since 1998. The number in January 2003 is still within this range.

The largest group waterbirds was ducks and grebes, constituting 20,203 (37%) of birds present in the area. Gulls and terns comprised 13,191 (24%) individuals, which is the second largest group of waterbirds. A total of 7,959 (15%) Great Cormorants were counted and 7,527 (14%) waders were recorded in the area.

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

Table 1. January waterbird counts 1998-2003.

January	1998	1999	2000	2001	2002	2003	Average	Std. Dev.
Deep Bay area	55,694	50,757	54,512	55,477	51,333	53,795	53,645	2,107
Ramsar Site	n/a	47,542	52,959	36,742	36,429	40,272	42,813	7,250

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Counts of waterbird in January 2003

Appendix 1

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	41	17	6					33		4	4	0	5	0	44	31	0	75	154		8
Great Crested Grebe			1												0			0	1		
Great Cormorant												1979			5980			5980	7959	6	82
Dalmatian Pelican				14											0			0	14		
Grey Heron	103	44	74	3	1	18	80	38	10	3	0	5	9	27	515	50	102	667	930	25	84
Purple Heron											1				6			6	7		
Great Egret	28	42	527	200	32	55	41	129	41	3	0	2	1	63	257	126	334	717	1421	57	169
Intermediate Egret	4	1						0		0	0	0	0	4	1	0	0	1	10		1
Little Egret	43	87	297	220	23	23	74	297	147	58	3	11	18	23	296	354	347	997	1620	21	84
Pacific Reef Egret															0			0	0		
Cattle Egret	1	8						17		0	0	2	2	4	0	18	0	18	34		11
Chinese Pond Heron	9	35	86	21		3	10	12	40	22	1	0	13	37	18	43	34	95	307	9	8
Striated Heron	0	0						0		0	0	0	0	0	0	0	0	0	0	1	
B-c Night Heron	0	1	22					0		0	0	0	3	0	115	3	0	118	141	4	1
Yellow Bittern	0	0						0		0	0	0	0	0	0	0	0	0	0		
Cinnamon Bittern															0			0	0		
Great Bittern															0			0	0		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill															2			2	2		
Black-faced Spoonbill			3					12	8						207			207	230		
Common Shelduck				192											0		192	192	192		
Eurasian Wigeon	85	15	952		0	676	1150	35	10	23	0	0	0	0	1134	0	1852	2986	4080		
Falcated Duck	5														0			0	5		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	4	108	181		54		658	30		5	0	0	21	0	2765	2	742	3509	3826		16
Mallard															1			1	1		
Spot-billed Duck										6					0	6		6	6		
Chinese Spotbill															18			18	18		
Burmese Spotbill															0			0	0		
Northern Pintail	19	5	1836			2341	85								95		2426	2521	4381		
Garganey	2	1													13		0	13	16		
Northern Shoveler	4		1136		6	4	168								10		178	188	1328		
Common Pochard															0		0	0	0		
Baer's Pochard															0		0	0	0		
Tufted Duck			270			93				10					66		93	159	439		
Greater Scaup						17									0		17	17	17		
Red-breasted Merganser															0		0	0	0		
Duck sp.			4200				225								1300		225	1525	5725		
Slaty-breasted Rail				3											0		3	3	3		
Water Rail															0			0	0		
White-breasted Waterhen	2	1	2				2	5		2	2	0	0	3	0	6	2	8	19	4	1
Watercock															0			0	0		
Common Moorhen	9	14	18	4		1	10	41	1	20	0	0	4	2	25	49	15	89	149		1
Eurasian Coot	3	2													37			37	42		
Pheasant-tailed Jacana															0			0	0		
Black-winged Stilt			1							1				3	0	1		1	5		
Pied Avocet			191	1800		524	470								0		2794	2794	2985		

Counts of waterbird in January 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
Oriental Pratincole															0		0	0	0		
Northern Lapwing															0		0	0	0		
Grey-headed Lapwing															0		0	0	0		
Pacific Golden Plover				171											0		171	171	171		
Grey Plover				295											0		295	295	295		
Common Ringed Plover															0		0	0	0		
Little Ringed Plover	12	9	58					37	6	60	0	1	0	8	0	81	0	81	191	4	4
Kentish Plover				9						11					0	11	9	20	20	11	
Lesser Sand Plover								1							0		0	0	1		
Greater Sand Plover															0		0	0	0		
Black-tailed Godwit#				337											0		337	337	337		
Bar-tailed Godwit															0		0	0	0		
Whimbrel															0		0	0	0		
Eurasian Curlew				794	90	10	65		10						7		959	966	976	15	15
Far Eastern Curlew															0		0	0	0		
Spotted Redshank								3							0		3	3	3		
Common Redshank			1	20		13	1								0		34	34	35		
Marsh Sandpiper				890		6	232			2					0	2	1128	1130	1130		
Common Greenshank						42	3		2	6					6	6	45	57	59		
Nordmann's Greenshank															0		0	0	0		
Green Sandpiper	6	16						9		3	1	1	3	5	0	13	0	13	44	2	3
Wood Sandpiper	7	0	25					8		5	0	0	0	8	0	5	1	6	53		
Terek Sandpiper															0			0	0		
Common Sandpiper	8	11	2			1	4	20	3	10	6	0	12	8	2	43	5	50	87	3	1
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						1		1					1			1	4		
Long-billed Dowitcher				1											0		1	1	1		
Asian Dowitcher															0			0	0		
Red Knot															0			0	0		
Great Knot				2											0		2	2	2		
Sanderling															0			0	0		
Red-necked Stint															0			0	0		
Temminck's Stint								12		12					0	14	0	14	24		
Long-toed Stint															0			0	0		
Sharp-tailed Sandpiper															0			0	0		
Dunlin				11											0		11	11	11		
Curlew Sandpiper															0			0	0		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff															0			0	0		
Wader sp.				1093											0		1093	1093	1093		
Black-tailed Gull				6											0		6	6	6		
Heuglin's Gull			1	467			75								0		542	542	543		
Yellow-legged Gull				2											0		2	2	2		
Slaty-backed Gull				2											0		2	2	2		

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

Summary Report

FEBRUARY 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 2002/03

Winter Count

February 2003

Summary Report – February 2003

Y.T. Yu¹

The February 2003 waterbird count took place on 23rd and the coverage of Ramsar site was complete. Elsewhere, Nim Wan/Lau Fau Shan was not counted.

A total of 38,491 waterbirds were counted in the Deep Bay area including Futian, of which 26,237 were recorded in the Ramsar site. The total count is increased from the low numbers in February 2001 and 2002 but still lower than high counts in 1998 to 2000.

The largest group waterbirds was ducks and grebes, constituting 19,541 (51%) of birds present in the area. Waders comprised 9,849 (26%) 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 both numbers of waterbird in the Deep Bay area and in Ramsar Site of this count were lower than the average.

Table 1. February waterbird counts 1998-2003.

February	1998	1999	2000	2001	2002	2003	Average	Std. Dev.
Deep Bay area	44,286	57,285	46,508	35,477	30,780	38,491	42,138	9,379
Ramsar Site	n/a	49,459	45,700	24,127	23,753	26,237	33,855	12,634

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Counts of waterbird in February 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	35	6					22		6	2	6	8	0	40	32	4	76	164		
Great Crested Grebe			1	9											0			0	10		
Great Cormorant	45	601	95		0	84	1	66		85	5	25	24	72	2150	140	85	2375	3253	2	
Dalmatian Pelican				14											0			0	14		
Grey Heron	136	17	74	3	0	11	227	68		23	12	8	5	15	324	75	249	648	923	26	
Purple Heron															3			3	3		
Great Egret	60	56	527	63	15	7	46	72		24	2	0	11	3	220	51	165	436	1106	36	
Intermediate Egret	5	0		1				1		0	0	0	0	3	4	1	1	6	14	1	
Little Egret	29	65	297	229	84	21	157	264		115	8	19	86	15	217	275	570	1062	1606	22	
Pacific Reef Egret															0			0	0		
Cattle Egret	0	1						77		0	0	0	9	57	0	85	1	86	144		
Chinese Pond Heron	12	13	86					3		25	2	4	3	20	11	21	0	32	179	8	
Striated Heron	0	0						0		0	0	0	0	0	0	0	0	0	0	1	
B-c Night Heron	0	0	22					0		0	0	0	0	0	63	0	0	63	85	3	
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			1	1		
Black-faced Spoonbill			3	5			47	42							96		52	148	193		
Common Shelduck															0			0	0		
Eurasian Wigeon	93	0	952	364	463	1260	186	39		4	0	0	0	0	603	0	2312	2915	3964		
Falcated Duck				1											0		1	1	1		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	27	52	181	150	32	610	8	23		22	0	0	0	0	2169	0	823	2992	3274		
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill															17			17	17		
Burmese Spotbill															0			0	0		
Northern Pintail			1836	230	28	494	15								0		767	767	2603		
Garganey				3		4									105		7	112	112		
Northern Shoveler			1136	2450	352	172	117	18							26		3091	3117	4271		
Common Pochard															0		0	0	0		
Baer's Pochard															0		0	0	0		
Tufted Duck	3		270			635									0		635	635	908		
Greater Scaup						2									0		2	2	2		
Red-breasted Merganser															0		0	0	0		
Duck sp.	1		4200												0			0	4201		
Slaty-breasted Rail				1											0			0	1		
Water Rail															0			0	0		
White-breasted Waterhen	3	1	2	3		1	5	1		2	0	0	0	3	1	1	9	11	22	1	
Watercock															0			0	0		
Common Moorhen	17	16	18					13		17	0	2	2	5	1	27	0	28	91		
Eurasian Coot	3					10		1							22			22	36		
Pheasant-tailed Jacana															0			0	0		
Black-winged Stilt	1		1												0			0	2		
Pied Avocet			191	4970	599		104								0		5673	5673	5864		

Counts of waterbird in February 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
Oriental Pratincole															0			0	0		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover															0			0	0		
Grey Plover				47											0		47	47	47		
Common Ringed Plover															0			0	0		
Little Ringed Plover	12	4	58					5		0	11	2	1	11	2	16	0	18	106		
Kentish Plover															0			0	0		
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		
Black-tailed Godwit				340											0		340	340	340		
Bar-tailed Godwit															0		0	0	0		
Whimbrel															0		0	0	0		
Eurasian Curlew				1010											4		1010	1014	1014	13	
Far Eastern Curlew															0		0	0	0		
Spotted Redshank				450											0		450	450	450		
Common Redshank			1	1											0		1	1	2		
Marsh Sandpiper				1760											0		1760	1760	1760		
Common Greenshank				10			38								19		48	67	67		
Nordmann's Greenshank				1											0		1	1	1		
Green Sandpiper	4	4						6		3	3	5	1	7	0	15	0	15	33		
Wood Sandpiper	17	1	25					12		0	0	2	0	7	0	6	0	6	64		
Terek Sandpiper															0			0	0		
Common Sandpiper	3	9	2			1		6		11	16	10	6	4	0	43	1	44	68	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													0			0	1		
Long-billed Dowitcher															0			0	0		
Asian Dowitcher															0			0	0		
Red Knot															0			0	0		
Great Knot				2											0		2	2	2		
Sanderling															0			0	0		
Red-necked Stint															0			0	0		
Temminck's Stint								27							0			0	27		
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				1											0		1	1	1		
Wader sp.															0			0	0		
Black-tailed Gull				70											0		70	70	70		
Heuglin's Gull			1			185									0		185	185	186		
Yellow-legged Gull							2								0		2	2	2		
Slaty-backed Gull															0		0	0	0		

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

Summary Report

MARCH 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 2002/03

Winter Count

March 2003

Summary Report – March 2003

Y.T. Yu¹

The March 2003 waterbird count took place on 23rd and the coverage of Ramsar site and Deep Bay area was complete.

A total of 16,364 waterbirds were counted in the Deep Bay area including Futian, of which 6,609 were recorded in the Ramsar site. The total count is higher than last year but the count in Ramsar site is lower than previous years. However, both the total numbers of Deep Bay and Ramsar Site are fluctuated in the March count since the start of the count.

The largest group waterbirds was waders, constituting 8,172 (50%) of birds present in the area. Ardeids comprised 2,505 (15%) 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 1998-2003.

March	1998	1999	2000	2001	2002	2003	Average	Std. Dev.
Deep Bay area	19,152	11,116	29,835	22,796	13,957	16,364	18,870	6,727
Ramsar Site	n/a	9,146	27,056	18,347	12,383	6,609	14,708	8,180

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Counts of waterbird in March 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	34	25	1					27		3	3	1	5	5	59	24	0	83	163		2
Great Crested Grebe			31							1					0	1		1	32		
Great Cormorant	33	415	343		42		3	1	7	11	5	15	42	20	1068	67	45	1180	2005	3	55
Dalmatian Pelican															0			0	0		
Grey Heron	43	16	71	12			107	7	4	0	1	2	18	0	274	23	120	417	555	12	26
Purple Heron															3			3	3		
Great Egret	0	57	118	51	21		38	40	19	0	2	3	11	25	51	45	115	211	436	17	158
Intermediate Egret	1	0		1				0		0	0	0	0	0	16	0	1	17	18		3
Little Egret	35	134	127	86	65		100	110	61	45	18	22	37	10	146	204	273	623	996	21	81
Pacific Reef Egret															0			0	0		
Cattle Egret	0	0						23		0	0	1	59	4	1	82	0	83	88		2
Chinese Pond Heron	1	21	38	9				2	9	34	3	9	11	19	18	44	9	71	174	6	2
Striated Heron	0	0	18					0		0	0	0	0	0	0	0	0	0	18		
B-c Night Heron	0	2						0		0	0	0	0	0	30	0	0	30	32	3	78
Yellow Bittern	0	0						0		0	0	0	1	0	0	1	0	1	1		
Cinnamon Bittern															0			0	0		
Great Bittern															0			0	0		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill															3			3	3		
Black-faced Spoonbill							54	5							122			122	181		
Common Shelduck															0			0	0		
Eurasian Wigeon	57	0	200	26		142		500		1	0	0	0	0	12	1	668	681	938		
Falcated Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	0	3					8	810		0	0	0	0	0	14	0	818	832	835		4
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill															0			0	0		
Burmese Spotbill															0			0	0		
Northern Pintail						2									0		2	2	2		
Garganey															109			109	109		
Northern Shoveler			5	32		142									0		142	142	179		
Common Pochard															0			0	0		
Baer's Pochard															0			0	0		
Tufted Duck	1		80												1			1	82		
Greater Scaup															0			0	0		
Red-breasted Merganser															0			0	0		
Duck sp.															0			0	0		
Slaty-breasted Rail				1											0			0	1		1
Water Rail															0			0	0		
White-breasted Waterhen	4	11		1			2	5		1	3	2	3	1	7	12	3	22	40		3
Watercock															0			0	0		
Common Moorhen	20	6	1	2				19		8	7	0	8	1	31	28	3	62	103		6
Eurasian Coot															3			3	3		
Pheasant-tailed Jacana															0			0	0		
Black-winged Stilt	16		10												0			0	26		
Pied Avocet				3700											3			3	3703		

Counts of waterbird in March 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
Oriental Pratincole												3			3	3		6	6		
Northern Lapwing															0			0	0		
Grey-headed Lapwing															0			0	0		
Pacific Golden Plover				118											0			0	118		
Grey Plover				67											0			0	67		
Common Ringed Plover															0			0	0		
Little Ringed Plover	17	1	5					5		0	20	0	4	6	6	44	0	50	64	2	3
Kentish Plover				12											0			0	12		
Lesser Sand Plover															0			0	0		
Greater Sand Plover				11											0			0	11		
Black-tailed Godwit															116			116	116		
Bar-tailed Godwit															0			0	0		
Whimbrel															1			1	1		
Eurasian Curlew															268			268	268		
Far Eastern Curlew															1			1	1		
Spotted Redshank															941			941	941		
Common Redshank			107												134			134	241		
Marsh Sandpiper	1			1878											0			0	1879		
Common Greenshank			400												61			61	461		
Nordmann's Greenshank				1											0			0	1		
Green Sandpiper	5	7						1		15	3	2	2	5	2	13	0	15	42		3
Wood Sandpiper	15	1	1					12		0	0	2	22	5	1	25	0	26	59		
Terek Sandpiper															0			0	0		
Common Sandpiper	2	10	12	1				20		15	8	5	5	7	3	41	2	46	88	2	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		2													0			0	2		
Long-billed Dowitcher															3			3	3		
Asian Dowitcher															0			0	0		
Red Knot															0			0	0		
Great Knot				34											0		34	34	34		
Sanderling				1											0		1	1	1		
Red-necked Stint				8											0		8	8	8		
Temminck's Stint															0			0	0		
Long-toed Stint															0			0	0		
Sharp-tailed Sandpiper															0			0	0		
Dunlin				8											0		8	8	8		
Curlew Sandpiper				8											0		8	8	8		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff															3			3	3		
Wader sp.															0			0	0		
Black-tailed Gull				3											1		3	4	4		
Mew Gull				1											0		1	1	1		
Heuglin's Gull				155											0		155	155	155		
Yellow-legged Gull				8											0		8	8	8		

