



Mai Po Inner Deep Bay Ramsar Site

Waterbird Monitoring Programme

Monthly Waterbird Count Data
April 2005 – March 2006



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

Copyright

The Hong Kong Bird Watching Society Limited

(Approved Charitable Institution of a Public Character)

The publisher hereby gives permission to teachers, students, educational institutions, research institutions, conservation organizations and the media to make use of short extracts of the text and also charts in this publication for non-commercial educational, scientific and conservation purpose, provided always that due acknowledgement is given and that a copy of the work containing such extracts and charts is sent to the publisher for record.

Published by

The Hong Kong Bird Watching Society Limited

Available from

The Hong Kong Bird Watching Society Limited

Room 1612, Beverley Commercial Centre, 87-105 Chatham Road

Tsim Sha Tsui, Kowloon, Hong Kong

E-mail: hkbws@hkbws.org.hk Website: www.hkbws.org.hk

And

Agriculture, Fisheries and Conservation Department

Hong Kong SAR Government

7/F, Cheung Sha Wan Government Offices

303 Cheung Sha Wan Road

Kowloon, Hong Kong

E-mail: afcdenv@afcd.gcn.gov.hk Website: www.info.gov.hk/afcd

This publication should be cited as

HKBWS 2006. Monthly Waterbird Counts Data April 2005 - March 2006: Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site. The Hong Kong Bird Watching Society Limited. Hong Kong.

Cover photo: Waders at Mai Po (Photo by: Marcus HO)



Printed on recycled paper

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

Summary Report

APRIL 2005



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 2005/06

Summer Count

April 2005

Summary Report – April 2005

Y.T. Yu

The April 2004 waterbird count was conducted on the 10th. The count completely covered the whole Deep Bay area and the Ramsar Site, including the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve at Shenzhen, China.

A total of 10,067 waterbirds were counted in the Deep Bay area, of which 8,823 (88%) were recorded in the Ramsar Site. The waders were counted at 7,546 (75%) individuals comprising the largest group of waterbirds in April, which is in the main passage month of spring. The next largest group is ardeids which was counted of 1,934 (19%) in the Deep Bay area. There were also small numbers of wintering ducks and cormorants recorded in the count.

A comparison with previous years' counts and the average for the month is provided in Table 1. Both figures of waterbird numbers of the Deep Bay area and the Ramsar site were lower than those in previous year and also the average figures.

Table 1. April Waterbird Counts 2001-2005.

April	2001	2002	2003	2004	2005	Average*	Std. Dev.*
Deep Bay area	12,858	10,399	9,019	13,681	10,067	10,823	2,031
Ramsar Site	11,683	8,319	7,595	11,748	8,823	9,585	1,852

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

Summary of Waterbird Count, April 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	30	58	3					36		1	9	1	4	0	40	26	26	3	55	208		3
Great Crested Grebe			2													0			0	2		
Great Cormorant	7	0	2					0			0	0	0	0	0	5	0	0	5	14		
Dalmatian Pelican																0			0	0		
Grey Heron	56	0	4	1		7	6	5	1	7	0	0	0	0	7	62	3	14	79	156		21
Purple Heron																0			0	0		
Great Egret	54	6	48	30	13	33	43	38	8	4	3	7	7	182	12	92	218	123	433	580	3	296
Intermediate Egret	7	0						2		2	0	0	0	0	2	12	1	0	13	25		
Little Egret	12	6	200		28	45	55	95	13	25	29	28	39	62	4	150	176	151	477	791	7	130
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	0						3			5	47	0	20	0	13	69	0	82	88		23
Chinese Pond Heron	7	34	28			13	8	21	2	1	33	3	22	12	17	15	81	23	119	216	6	4
Striated Heron	0	0						0			0	1	0	0	0	1	1	0	2	2		
B-c Night Heron	0	1	5					0			0	0	1	0	1	7	1	0	8	15	3	175
Yellow Bittern	0	0	1					0			0	0	0	0	0	0	0	0	0	1		
Cinnamon Bittern		1														0			0	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	30		28											1		0	1		1	59		
Common Shelduck																0			0	0		
Eurasian Wigeon	4	0				1		0			0	0	0	0	0	20	0	1	21	25		
Falcatid Duck																0			0	0		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	0	0						0			0	0	0	0	0	10	0	0	10	10		8
Mallard																0			0	0		
Spot-billed Duck										2						0			0	2		
Chinese Spotbill																1			1	1		
Burmese Spotbill																1			1	1		
Northern Pintail																2			2	2		
Garganey	2		1													14			14	17		
Northern Shoveler	1		15													0			0	16		
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	10	8				2	2			0	2	1	1	4	13	7	2	22	54	1	2
Watercock																0			0	0		
Common Moorhen	14	49	13				1	20		3	20	0	3	3	22	33	14	1	48	181		2
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana																0			0	0		
Greater Painted Snipe																0			0	0		
Black-winged Stilt								2						4		54	6		60	60		

Pied Avocet				2100										0		2100	2100	2100		
Oriental Pratincole														0	6		6	6		
Northern Lapwing														0			0	0		
Grey-headed Lapwing														0			0	0		
Pacific Golden Plover														5			5	5		
Grey Plover														16			16	16		
Common Ringed Plover														0			0	0		
Little Ringed Plover	13	7												2	14	0	16	46		
Kentish Plover														4			4	4		
Lesser Sand Plover														18			18	18		
Greater Sand Plover														1			306	307		
Black-tailed Godwit																	532	532		
Bar-tailed Godwit																	9	9		
Whimbrel																	0	0		
Eurasian Curlew																	13	13		
Far Eastern Curlew																	1	1		
Spotted Redshank																	993	993		
Common Redshank																	215	215		
Marsh Sandpiper		1															2163	2164		
Common Greenshank	9																158	170		
Nordmann's Greenshank																	7	7		
Green Sandpiper	5	13															0	32		1
Wood Sandpiper	37	13															0	109		
Terek Sandpiper																	26	50		
Common Sandpiper	4	10															17	72	1	1
Grey-tailed Tattler																	0	0		
Ruddy Turnstone																	5	5		
Red-necked Phalarope																	8	8		
Pintail Snipe																	0	0		
Swinhoe's Snipe																	0	0		
Pintail/Swinhoe's Snipe		4															0	4		
Common Snipe	1	1															0	2		
Long-billed Dowitcher																	1	1		
Asian Dowitcher																	3	3		
Red Knot																	2	2		
Great Knot																	209	209		
Sanderling																	2	2		
Red-necked Stint																	136	136		
Little Stint																	0	0		
Temminck's Stint															2		0	2		
Long-toed Stint																	0	0		
Pectoral Sandpiper																	1	1		
Sharp-tailed Sandpiper																	21	21		
Dunlin																	1	1		
Curlew Sandpiper																	213	213		
Spoon-billed Sandpiper																	2	2		
Broad-billed Sandpiper																	3	3		
Ruff																	2	2		
Small wader spp.																	0	0		
Wader sp.																	0	0		
Black-tailed Gull																	0	0		
Heuglin's Gull																	0	0		
Yellow-legged Gull																	0	0		
Slaty-backed Gull																	0	0		
Pallas's Gull																	0	0		
Large Gull spp.																	0	0		
Brown-headed Gull																	0	0		
Black-headed Gull	0	0															0	2	0	2

Saunders's Gull																	2		2	2		
Whiskered Tern																	0		0	0		
White-winged Tern																	0		0	0		
Gull-billed Tern																	49		49	49		
Caspian Tern																	1		1	1		
Total	304	214	358	2131	41	99	115	250	24	62	129	103	100	291	133	5713	692	2418	8823	10067	21	666
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	14	0.1	5	0.1	0	0																
Ardeids etc	1934	19.2	1214	13.8	19	649																
Ducks, grebes, pelicans	284	2.8	104	1.2	0	11																
Rails, Coot etc	235	2.3	70	0.8	1	4																
Waders	7546	75.0	7376	83.6	1	2																
Gulls and terns	54	0.5	54	0.6	0	0																
TOTAL	10067		8823		21	666																
Date of count: 10 Apr 2004																						

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	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											0			0	1		
Black Kite	0	0		1				4		1	1	0	1	0	3	5	3	11	11	3	
White-bellied Sea Eag															0			0	0		
Eastern Marsh Harrier												1			1			1	2		
Common Buzzard								1							0			0	1		
Greater Spotted Eagle	0	0						0		0	0	0	0	0	0	0	0	0	0		
Imperial Eagle	0	0						0		0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon															0			0	0		
Pied Kingfisher	2	2						3		0	0	3	0	0	6	5	0	11	16		4
Common Kingfisher	1	8						2		1	3	5	3	7	5	14	0	19	35	2	6
White-throated Kingfisher	0	2						0		6	0	0	0	0	0	4	0	4	8	1	
Black-capped Kingfisher	0	0						0		0	0	1	0	0	2	1	0	3	3		1
Red-billed Starling	1	0						0		0	0	0	0	0	0	1	0	1	1		
Collared Crow	0	0						5		4	10	0	0	0	2	15	0	17	21	4	

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

Summary Report

MAY 2005



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 2005/06

Summer Count

May 2005

Summary Report – May 2005

Y.T. Yu

The May 2005 waterbird count took place on 8th. The coverage in the Ramsar site and the whole Deep Bay (including Futian National Nature Reserve) was complete, except the Hong Kong Wetland Park where the survey was not conducted due to the thunderstorm warning.

A total of 8,455 waterbirds were counted in the Deep Bay area, of which 7,482 (88%) were recorded in the Ramsar site. Waders comprised the largest group of birds in this count which 6,347 (75%) birds were counted. The second largest group was ardeids which was counted at 1,747 (21%) birds. Small numbers of wintering cormorant and ducks were also present in this count.

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows that the counts of waterbird in both the whole Deep Bay area and the Ramsar site were the highest counts in last five years. The presence of passage shorebirds boosted up these numbers in this count.

Table 1. May waterbird counts 2001-2005.

March	2001	2002	2003	2004	2005	Average*	Std. Dev.*
Deep Bay area	3,201	8,028	3,925	3,133	8,455	4,703	2,491
Ramsar Site	2,238	7,000	3,153	2,302	7,482	3,925	2,334

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

Summary of Waterbird Count, May 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	30	55	3					27			0	4	1	1	22	36	14	0	50	179		1
Great Crested Grebe																0			0	0		
Great Cormorant	0	0						0			1	0	0	0	0	1	1	0	2	2		
Dalmatian Pelican																0			0	0		
Grey Heron	6	0	1					1			0	0	0	2	0	6	2	0	8	16	1	1
Purple Heron	1															0			0	1		
Great Egret	8	14	43				38	23	15		6	12	1	7	18	368	44	38	450	553	13	176
Intermediate Egret	0	1						0			0	0	0	0	0	5	0	0	5	6		2
Little Egret	8	20	223				15	63	11		6	21	24	23	19	379	126	15	520	812	11	75
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	34	18						14			8	3	17	1	2	11	40	0	51	108		107
Chinese Pond Heron	16	19	31					9	2		8	14	8	7	9	13	40	0	53	136	6	5
Striated Heron	0	0						0			0	1	0	0	0	1	1	0	2	2		
B-c Night Heron	3	14	15					15			1	1	2	0	0	11	18	0	29	62	3	169
Yellow Bittern	0	0						0			0	0	0	0	0	0	0	0	0	0		
Cinnamon Bittern			1													0			0	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																50			50	50		
Common Shelduck																0			0	0		
Eurasian Wigeon	0	0						0			0	0	0	0	0	1	0	0	1	1		
Falcatid 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																1			1	1		
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	9	5	8					1			1	0	1	1	2	11	4	0	15	39	2	3
Watercock																0			0	0		
Common Moorhen	13	13	23					9			0	0	0	4	1	32	6	0	38	95		
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana	2															0			0	2		
Greater Painted Snipe																0			0	0		

Black-winged Stilt	19		21												53		53	93			
Pied Avocet				270											0	270	270	270			
Oriental Pratincole	1														1		1	2			
Northern Lapwing															0		0	0			
Grey-headed Lapwing															0		0	0			
Pacific Golden Plover															1		1	1			
Grey Plover															9		9	9			
Common Ringed Plover															0		0	0			
Little Ringed Plover	12	3	7			0			0	3	4	0	0		2	7	0	9	31		3
Kentish Plover															3		3	3			
Lesser Sand Plover															17		17	17			
Greater Sand Plover															192		192	192	1	1	
Black-tailed Godwit															7		7	7			
Bar-tailed Godwit															1		1	1			
Whimbrel															15		15	15			
Eurasian Curlew															13		13	13			
Far Eastern Curlew															1		1	1			
Spotted Redshank															799		799	799			
Common Redshank															563		563	563			
Marsh Sandpiper															7		7	7			
Common Greenshank	1														1112		1112	1113			
Nordmann's Greenshank															4		4	4			
Green Sandpiper	1	1				11			0	0	0	0	0		0	11	0	11	13		
Wood Sandpiper	11	1				0			120	0	3	0	0		4	83	0	87	139		
Terek Sandpiper															106		106	106			
Common Sandpiper	6	7	3			5			1	5	5	1	2		1	16	0	17	36	2	2
Grey-tailed Tattler			1												28		28	29	8	2	
Ruddy Turnstone															39		39	39			
Red-necked Phalarope															0		0	0		2	
Pintail Snipe															0		0	0			
Swinhoe's Snipe															0		0	0			
Pintail/Swinhoe's Snipe															1		1	1			
Common Snipe															0		0	0			
Long-billed Dowitcher															0		0	0			
Asian Dowitcher															2		2	2			
Red Knot															5		5	5			
Great Knot															12		12	12			
Sanderling															11		11	11			
Red-necked Stint	43														1600		1600	1643			
Little Stint															1		1	1			
Temminck's Stint															0		0	0			
Long-toed Stint															5		5	5			
Pectoral Sandpiper															0		0	0			
Sharp-tailed Sandpiper															9		9	9			
Dunlin															1		1	1			
Curlew Sandpiper	1														1064		1064	1065			
Spoon-billed Sandpiper															0		0	0			
Broad-billed Sandpiper															87		87	87			
Ruff															0		0	0			
Small wader spp.															0		0	0			
Wader sp.															0		0	0			
Black-tailed Gull															0		0	0			
Heuglin's Gull															0		0	0			
Yellow-legged Gull															0		0	0			
Slaty-backed Gull															0		0	0			
Pallas's Gull															0		0	0			

Large Gull spp.																0			0	0		
Brown-headed Gull																0			0	0		
Black-headed Gull	0	0						0			0	0	0	0	0	0	0	0	0	0		
Saunders's Gull																0			0	0		
Whiskered Tern																0			0	0		
White-winged Tern																44			44	44		
Gull-billed Tern																0			0	0		
Caspian Tern																0			0	0		
Total	225	171	380	270	0	0	53	178	28	n/c	152	64	66	47	75	6746	413	323	7482	8455	47	549
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	2	0.0	2	0.0	0	0																
Ardeids etc	1747	20.7	1168	15.6	34	535																
Ducks, grebes, pelicans	181	2.1	52	0.0	0	1																
Rails, Coot etc	134	1.6	53	0.7	2	3																
Waders	6347	75.1	6163	82.4	11	10																
Gulls and terns	44	0.5	44	0.6	0	0																
TOTAL	8455		7482		47	549																
Date of count:	8 May 2005																					

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														0			0	1		
Black Kite	0	0						4			0	0	0	2	10	0	6	0	6	16	3	
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	3	9						0			0	0	0	0	0	1	0	0	1	13		5
Common Kingfisher	0	5	2					0	1		1	1	2	1	2	1	5	0	6	16		2
White-throated Kingfisher	0	1	1					4			0	0	0	0	0	1	2	0	3	7		1
Black-capped Kingfisher	0	0						0			0	0	0	0	0	0	0	0	0	0		
Red-billed Starling	0	0						0			0	0	0	0	0	0	0	0	0	0		
Collared Crow	0	0	1					11			0	16	2	0	0	1	27	0	28	31	3	

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

Summary Report

JUNE 2005



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 2005/06

Summer Count

June 2005

Summary Report – June 2005

Y.T. Yu

The 2005 June waterbird count was conducted on 19th. Complete coverage was achieved of the whole Deep Bay area, including the Hong Kong Wetland Park, and the Futian National Nature Reserve in Shenzhen.

A total of 1,440 waterbirds were recorded in the Deep Bay area, of which 859 (59%) waterbirds were present in the Ramsar Site. The largest group of waterbirds was Ardeids, of which 1,128 (78%) birds were counted. The second highest was waders, but only 197 (14%) birds were recorded. This indicates that spring shorebird migration is at an end.

Table 1 shows the comparison of the count with that of the previous year's counts and the average for the month. Numbers of waterbirds in both the whole Deep Bay area and the Ramsar site were far lower than previous years' figures, and were the second lowest of the past five years' counts.

Table.1. June waterbird counts 2001 - 2005

June	2001	2002	2003	2004	2005	Average*	Std. Dev.*
Deep Bay area	3,324	1,879	1,313	2,697	1,445	1,837	871
Ramsar Site	1,500	967	527	2,092	859	1,163	507

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

Summary of Waterbird Count, June 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	5	17	1					22		3	2	0	0	2	16	9	14	0	23	77		
Great Crested Grebe																0			0	0		
Great Cormorant	0	0						0			0	0	0	1	0	1	1	0	2	2		
Dalmatian Pelican																0			0	0		
Grey Heron	2	0						0			0	1	0	0	0	5	1	0	6	8		
Purple Heron																0			0	0		
Great Egret	11	13	19	1	16			16		7	10	8	14	11	12	84	48	17	149	222	14	90
Intermediate Egret	0	0						1			0	0	0	0	0	2	1	0	3	3		
Little Egret	6	10	221	14	43			30		6	32	39	46	21	16	44	127	57	228	528	25	37
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	5	1	3					3			1	1	1	2	1	155	6	0	161	173	20	33
Chinese Pond Heron	4	19	31		1			7		4	21	14	15	8	19	8	54	1	63	151	5	
Striated Heron	0	0	1					0			0	0	0	0	0	6	0	0	6	7		
B-c Night Heron	0	5	3					3		1	3	4	0	1	1	11	10	0	21	32	2	19
Yellow Bittern	0	0						1			0	0	0	0	0	1	1	0	2	2		
Cinnamon Bittern																0			0	0		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill																2			2	2		
Common Shelduck																0			0	0		
Eurasian Wigeon	0	0						0			0	0	0	0	0	0	0	0	0	0		
Falcated Duck																0			0	0		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	0	0						0			0	0	0	0	0	0	0	0	0	0		
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail																0			0	0		
Garganey																0			0	0		
Northern Shoveler																0			0	0		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck																0			0	0		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.																0			0	0		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	1	0	2					4			6	0	0	1	0	7	5	0	12	21	1	
Watercock																0			0	0		
Common Moorhen	0	0	9					1			2	0	0	0	3	0	0	0	0	15		
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana																0			0	0		

Greater Painted Snipe															0			0	0		
Black-winged Stilt															63			63	63		
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	12	0				0		2	0	0	0	2	1	0	2	0		2	17		
Kentish Plover															0			0	0		
Lesser Sand Plover															0			0	0		
Greater Sand Plover															1			1	1		
Black-tailed Godwit															0			0	0		
Bar-tailed Godwit															0			0	0		
Whimbrel															8			8	8		
Eurasian Curlew															14			14	14		
Far Eastern Curlew															0			0	0		
Spotted Redshank															0			0	0		
Common Redshank															12			12	12		
Marsh Sandpiper															0			0	0		
Common Greenshank															44			44	44		
Nordmann's Greenshank															1			1	1		
Green Sandpiper	0	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	0		
Terek Sandpiper															27			27	27		
Common Sandpiper	0	0	6			0		0	0	0	0	0	0	0	0	0	0	0	6		
Grey-tailed Tattler															0			0	0		
Ruddy Turnstone															0			0	0		
Red-necked Phalarope															0			0	0		
Pintail Snipe															0			0	0		
Swinhoe's Snipe															0			0	0		
Pintail/Swinhoe's Snipe															0			0	0		
Common Snipe															0			0	0		
Long-billed Dowitcher															0			0	0		
Asian Dowitcher															0			0	0		
Red Knot															0			0	0		
Great Knot															0			0	0		
Sanderling															0			0	0		
Red-necked Stint															0			0	0		
Little Stint															0			0	0		
Temminck's Stint															0			0	0		
Long-toed Stint															0			0	0		
Pectoral Sandpiper															0			0	0		
Sharp-tailed Sandpiper															0			0	0		
Dunlin															0			0	0		
Curlew Sandpiper															2			2	2		
Spoon-billed Sandpiper															0			0	0		
Broad-billed Sandpiper															0			0	0		
Ruff															0			0	0		
Small wader spp.															0			0	0		
Wader sp.															0			0	0		
Black-tailed Gull															0			0	0		
Heuglin's Gull															0			0	0		
Yellow-legged Gull															0			0	0		
Slaty-backed Gull															0			0	0		

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

Summary Report

JULY 2005



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 2005/06

Summer Count

July 2005

Summary Report – July 2005

Y.T. Yu

The 2005 July waterbird count was conducted on 24th. Coverage was completed in the Ramsar Site, but the San Tin area for the whole Deep Bay area was not covered in this month. In addition, the Hong Kong Wetland Park and the Futian National Nature Reserve in Shenzhen were also covered.

A total of 4,179 waterbirds were recorded in the Deep Bay area, of which 2,748 (66%) waterbirds were present in the Ramsar Site. The largest group of waterbirds was Ardeids, of which 2,523 (60%) birds were counted. The second highest was waders with a total of 1,504 (36%) birds counted. This indicates that shorebird migration has begun.

Table 1 shows the comparison of the count with that of the previous year's counts and the average for the month. Numbers of waterbirds in both the whole Deep Bay area and the Ramsar site are the new high numbers since the same count had been begun in 1998. The waterbird number in the Ramsar site area has increased by 20% compared to the highest number in July 2004.

Table.1. June waterbird counts 2000 - 2005

June	2000	2002	2003	2004	2005	Average*	Std. Dev.*
Deep Bay area	3,020	2,135	3,145	3,945	4,179	2,972	864
Ramsar Site	1,173	2,217	2,133	2,237	2,748	1,822	611

Note: Count in year 2001 was incomplete due to thunderstorm

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

Summary of Waterbird Count, July 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	33	14						38		4	1	0	0	2	0	14	24	0	38	106		
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	2	0					1	1		1	0	0	0	0	0	0	0	1	1	5		1
Purple Heron																3			3	3		
Great Egret	4	11	168	5	47	162	198	9	58	3	8	8	3	4	0	67	26	412	505	755		130
Intermediate Egret	0	0						0			0	0	0	0	0	3	0	0	3	3		1
Little Egret	9	10	534	12	45	35	303	21	29	14	63	30	19	9	0	97	121	395	613	1230		49
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	1	12					13	2		4	0	1	0	0	176	2	13	191	209		7
Chinese Pond Heron	15	14	56		8	3	4	12	6	11	39	26	25	16	0	11	104	15	130	246		4
Striated Heron	0	0		1				0			0	1	0	0	0	9	0	1	10	11		
B-c Night Heron	3	10	13	1		3	1	9		2	6	2	0	1	0	9	16	5	30	60		29
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																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	5	5				3	3	2	2	2	1	2	0	0	3	6	3	12	32		
Watercock																0			0	0		
Common Moorhen	1	0	12					0			0	0	0	0	0	0	0	0	0	13		
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana																0			0	0		
Greater Painted Snipe																2			2	2		

Black-winged Stilt			30								6					47	6		53	83		
Pied Avocet																0			0	0		
Oriental Pratincole																0			0	0		
Northern Lapwing																0			0	0		
Grey-headed Lapwing													1			0			0	1		
Pacific Golden Plover																0			0	0		
Grey Plover																0			0	0		
Common Ringed Plover																0			0	0		
Little Ringed Plover	1	0	61					0			4	0	0	0	0	0	4	0	4	66		
Kentish Plover																0			0	0		
Lesser Sand Plover																0			0	0		
Greater Sand Plover																5			5	5		
Black-tailed Godwit																3			3	3		
Bar-tailed Godwit																0			0	0		
Whimbrel				1												5	1		6	6		
Eurasian Curlew																46			46	46		
Far Eastern Curlew																0			0	0		
Spotted Redshank																0			0	0		
Common Redshank			80													534			534	614		
Marsh Sandpiper			2													9			9	11		
Common Greenshank																431			431	431		
Nordmann's Greenshank																0			0	0		
Green Sandpiper	0	1						0			2	0	2	0	0	0	4	0	4	5		
Wood Sandpiper	1	0	106					0			0	0	1	0	0	26	1	0	27	134		
Terek Sandpiper																0			0	0		
Common Sandpiper	2	1	8	1	3	1	2	0			1	2	3	0	0	2	6	7	15	26		
Grey-tailed Tattler																0			0	0		
Ruddy Turnstone																0			0	0		
Red-necked Phalarope																0			0	0		
Pintail Snipe																0			0	0		
Swinhoe's Snipe																0			0	0		
Pintail/Swinhoe's Snipe																0			0	0		
Common Snipe																0			0	0		
Long-billed Dowitcher																0			0	0		
Asian Dowitcher																0			0	0		
Red Knot																0			0	0		
Great Knot																0			0	0		
Sanderling																0			0	0		
Red-necked Stint																0			0	0		
Little Stint																0			0	0		
Temminck's Stint																0			0	0		
Long-toed Stint																0			0	0		
Pectoral Sandpiper																0			0	0		
Sharp-tailed Sandpiper																0			0	0		
Dunlin																0			0	0		
Curlew Sandpiper																71			71	71		
Spoon-billed Sandpiper																0			0	0		
Broad-billed Sandpiper																0			0	0		
Ruff																0			0	0		
Small wader spp.																0			0	0		
Wader sp.																0			0	0		24
Black-tailed Gull																0			0	0		
Heuglin's Gull																0			0	0		
Yellow-legged Gull																0			0	0		
Slaty-backed Gull																0			0	0		
Pallas's Gull																0			0	0		

Large Gull spp.																0			0	0		
Brown-headed Gull																0			0	0		
Black-headed Gull	0	0					0				0	0	0	0	0	1	0	0	1	1		
Saunders's Gull																0			0	0		
Whiskered Tern																0			0	0		
White-winged Tern																0			0	0		
Gull-billed Tern																0			0	0		
Caspian Tern																0			0	0		
Total	75	67	1087	21	103	204	525	95	95	37	136	70	57	33	n/c	1574	322	852	2748	4179	n/c	245
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	0	0.0	0	0.0	0	0																
Ardeids etc	2523	60.4	1487	54.1	0	221																
Ducks, grebes, pelicans	106	2.5	38	1.4	0	0																
Rails, Coot etc	45	1.1	12	0.4	0	0																
Waders	1504	36.0	1210	44.0	0	24																
Gulls and terns	1	0.0	1	0.0	0	0																
TOTAL	4179		2748		0	245																

Date of count: 24 Jul 2005

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	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Osprey										1	1				0			0	2		1	
Black Kite	0	1					1	1	1		0	0	3	0	0	1	4	0	5	8		
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	3	2					2	1	1	0	0	0	0	0	1	1	0	2	10		2
Common Kingfisher	4	10	1					3			6	3	3	2	0	1	13	0	14	33		1
White-throated Kingfisher	3	2	8	1	2	3		5	6	1	8	4	0	1	0	2	18	0	20	46		
Black-capped Kingfisher	0	0						0			0	0	0	0	0	0	0	6	6	0		
Red-billed Starling	0	0						25			0	0	0	0	0	0	20	0	20	25		
Collared Crow	0	0					2	0			1	17	0	0	0	0	18	0	18	20		

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

Summary Report

SEPTEMBER 2005



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 2005/06

Summer Count

September 2005

Summary Report –September 2005

Y.T. Yu

The September Waterbird Count was conducted on the 18th. Coverage of the Ramsar Site and the whole Deep Bay area, including Futian National Nature Reserve at Shenzhen and the Hong Kong Wetland Park were completed.

A total of 6,695 waterbirds were counted, of which 4,920 (73%) were recorded in the Ramsar Site. The largest group comprised of waders at 3,779 (56%) and the second largest group was ardeids at 2,757 (41%). The high number of waders in this count was resulted from the arrival of migrants from their southward migration. It is noteworthy that such high number of waterbirds congregated in the Mai Po area might relate to the appearance of tropical storm Vicente in the South China Sea from 16 to 19 September.

Table 1 shows the comparison of the counts for the month over the last 5 years. Both figures for waterbirds in the whole Deep Bay area and the Ramsar site are the highest since the commencement of the Waterbird Monitoring Programme in 1998. The new figures are more than 30% higher than the average.

Table 1. September waterbird counts 2000-2005.

June	2000	2001	2003	2004	2005	Average*	Std. Dev.*
Deep Bay area	5,689	4,566	5,032	4,916	6,695	5,100	985
Ramsar Site	3,580	3,087	3,001	3,450	4,920	3,677	810

Note: Count in year 2002 was incomplete due to thunderstorm

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

Summary of Waterbird Count, September 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW/LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	24	20						34		2	10	0	1	1	0	5	38	0	43	97		
Great Crested Grebe																0			0	0		
Great Cormorant	0	0						0			0	0	0	1	3	0	1	0	1	4		
Dalmatian Pelican																0			0	0		
Grey Heron	14	4	7		35	1	4	9	1	2	0	1	0	3	0	176	4	40	220	257	1	5
Purple Heron																1			1	1		
Great Egret	10	7	178	9	100	2	61	41	19	3	15	5	1	11	2	116	33	202	351	580	9	132
Intermediate Egret	0	0						2			1	0	0	0	1	1	2	0	3	7		3
Little Egret	8	31	433	17	450	20	197	163	17	13	83	42	11	16	0	67	138	794	999	1568	34	43
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	3	2	6					1		1	8	0	4	0	24	14	4	0	18	63	23	16
Chinese Pond Heron	23	18	28				2	10		9	30	2	10	9	26	21	48	2	71	188	25	7
Striated Heron	1	0	12					0			0	0	0	0	9	0	0	0	0	22		
B-c Night Heron	3	5	30			1	1	0			0	0	0	0	0	30	0	2	32	70	3	7
Yellow Bittern	0	0						1			0	0	0	0	0	0	1	0	1	1		1
Cinnamon Bittern																0			0	0		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill																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																6			6	6		
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	5	4					5		3	2	0	0	0	0	3	5	0	8	22		
Watercock	1															0			0	1		
Common Moorhen	0	0	7					0		1	2	0	0	0	1	0	2	0	2	11		
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana																0			0	0		
Greater Painted Snipe																0			0	0		

Black-winged Stilt	3		27							6				1			139	1		140	176		
Pied Avocet																	0			0	0		
Oriental Pratincole																	0			0	0		
Northern Lapwing																	0			0	0		
Grey-headed Lapwing																	0			0	0		
Pacific Golden Plover																	1			1	1		1
Grey Plover																	4			4	4		
Common Ringed Plover																	0			0	0		
Little Ringed Plover	22	0	5				0		1	5	0	0	19	0			3	19	0	22	55		
Kentish Plover																	2			2	2		
Lesser Sand Plover																	6			6	6		
Greater Sand Plover																	55			55	55		
Black-tailed Godwit																	237			237	237		
Bar-tailed Godwit																	43			43	43		
Whimbrel			7						1								149			149	157	8	
Eurasian Curlew			2														84			84	86		
Far Eastern Curlew																	2			2	2		
Spotted Redshank			4														17			17	21		
Common Redshank																	405			405	405		
Marsh Sandpiper	14		12						1				8				842	8		850	877		
Common Greenshank			2						7								895			895	904		
Nordmann's Greenshank																	0			0	0		
Green Sandpiper	0	3					0	4	0	0	0	2	5				0	2	0	2	14		
Wood Sandpiper	76	5	360				0	16	5	0	0	6	0				6	18	0	24	474		
Terek Sandpiper																	38			38	38		
Common Sandpiper	4	4	26				6	4	3	4	5	4	2	1			2	19	0	21	65	3	
Grey-tailed Tattler																	3			3	3		
Ruddy Turnstone																	2			2	2		
Red-necked Phalarope													1				0	1		1	1		
Pintail Snipe																	0			0	0		
Swinhoe's Snipe																	0			0	0		
Pintail/Swinhoe's Snipe	2	2															1			1	5		
Common Snipe																	0			0	0		
Long-billed Dowitcher																	0			0	0		
Asian Dowitcher																	5			5	5		
Red Knot																	5			5	5		
Great Knot																	24			24	24		
Sanderling																	0			0	0		
Red-necked Stint																	39			39	39		
Little Stint																	0			0	0		
Temminck's Stint																	0			0	0		
Long-toed Stint	2																1			1	3		
Pectoral Sandpiper																	0			0	0		
Sharp-tailed Sandpiper																	31			31	31		
Dunlin																	6			6	6		
Curlew Sandpiper																	20			20	20		
Spoon-billed Sandpiper																	0			0	0		
Broad-billed Sandpiper																	11			11	11		
Ruff																	2			2	2		
Small wader spp.																	0			0	0		
Wader sp.																	0			0	0		
Black-tailed Gull																	0			0	0		
Heuglin's Gull																	0			0	0		
Yellow-legged Gull																	0			0	0		
Slaty-backed Gull																	0			0	0		
Pallas's Gull																	0			0	0		

Large Gull spp.																0			0	0		
Brown-headed Gull																0			0	0		
Black-headed Gull	0	0					0			0	0	0	0	2		0	0	0	0	2		
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	210	106	1150	26	585	24	265	272	41	75	165	55	31	80	74	3536	344	1040	4920	6695	106	215
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	4	0.06	1	0.02	0	0																
Ardeids etc	2757	41.18	1696	34.47	95	214																
Ducks, grebes, pelicans	119	1.78	65	1.32	0	0																
Rails, Coot etc	34	0.51	10	0.20	0	0																
Waders	3779	56.45	3148	63.98	11	1																
Gulls and terns	2	0.03	0	0.00	0	0																
TOTAL	6695		4920		106	215																

Date of count: 18 Sep 2005

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	WEP	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		
Black Kite	0	0	1					2	5		0	3	1	0	0	3	6	1	10	15	3	
White-bellied Sea Eag																0			0	0		
Eastern Marsh Harrier																0			0	0		
Common Buzzard																0			0	0		
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon																0			0	0		
Pied Kingfisher	2	0	5					1			0	2	0	0	0	2	3	0	5	12		2
Common Kingfisher	5	9	1					5		4	7	4	4	1	1	3	17	0	20	44	2	
White-throated Kingfisher	4	2	3	2				0		2	1	0	0	0	2	3	2	0	5	19	1	
Black-capped Kingfisher	0	0	2					0			1	0	0	0	0	0	0	2	2	3	1	
Red-billed Starling	0	0						0			0	0	0	0	0	0	0	0	0	0		
Collared Crow	0	0						2			0	16	1	0	0	2	19	0	21	21	3	

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

Summary Report

OCTOBER 2005



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 2005/06

Winter Count

October 2005

Summary Report – October 2005

Y.T. Yu

The October 2005 waterbird count took place on the 16th. The count covered all areas in the Mai Po Inner Deep Bay Ramsar site and the whole Deep Bay area, including Futian National Nature Reserve, Shenzhen and the Hong Kong Wetland Park, Tin Shui Wai, Hong Kong.

The total number of waterbird was 9,307 in the Deep Bay area, of which 6,389 counted in the Ramsar site. The largest group comprised the waders at 5,134 (55%) counted in the Deep Bay area and the second largest was the ardeids at 2,735 (29%) in the Deep Bay. The high number of waders in Deep Bay reflected the arrival of some wintering species such as Marsh Sandpiper *Tringa stagnatilis* (1,863 individuals) and Common Greenshank *Tringa nebularia* (1,307 individuals).

A comparison with previous years' counts and the average for the month is provided in Table 1. It shows both numbers of waterbird of this count in Deep Bay area and in Ramsar site are the second highest counts since commencement of this monitoring in 1998. Both figures are also higher than the average figure in Deep Bay area and Ramsar site in 17% and 18% respectively.

Table 1. October waterbird counts 2001-2005.

October	2001	2002	2003	2004	2005	Average*	Std. Dev.*
Deep Bay area	7,559	8,449	5,381	7,052	9,307	7,924	2,474
Ramsar Site	5,113	8,183	3,119	5,146	6,389	5,396	1,759

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

Summary of Waterbird Count, October 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	13	32	4					54	4		6	0	25	0	6	19	67	0	86	163		
Great Crested Grebe																0			0	0		
Great Cormorant	33	8	380					9			3	0	0	17	145	542	24	0	566	1137		
Dalmatian Pelican																0			0	0		
Grey Heron	45	42	109		3		21	53	4	5	8	0	15	12	2	160	29	39	228	479	3	19
Purple Heron		1														5			5	6		
Great Egret	7	7	253	150	13	2	3	53	4	11	8	1	7	32	7	70	48	208	326	628	29	123
Intermediate Egret	3	0		6				1	2		2	1	0	1	0	13	5	6	24	29		5
Little Egret	7	46	491	47	3	26	19	233	5	143	42	1	29	38	22	74	118	295	487	1226	9	60
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	1						0			0	13	4	0	1	0	17	0	17	19		2
Chinese Pond Heron	9	39	94		1			36	1	1	60	1	10	19	30	23	71	31	125	324	7	1
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	1	4	10					0			0	0	0	0	0	8	0	0	8	23	2	
Yellow Bittern	0	0						1			0	0	0	0	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																0			0	0		
Black-faced Spoonbill																0			0	0		
Common Shelduck																0			0	0		
Eurasian Wigeon	0	0	2	1				0			0	0	0	0	0	0	0	1	1	3		
Falcatid Duck																0			0	0		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	0	0	5					0	8		1	0	0	0	0	9	1	0	10	23	30	15
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																1			1	1		
Burmese Spotbill																4			4	4		
Northern Pintail																11			11	11		
Garganey																7			7	7		
Northern Shoveler			1													1			1	2		
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	10	3					3			3	0	7	1	3	6	7	0	13	38		
Watercock																0			0	0		
Common Moorhen	4	11	11					7	5		5	0	0	2	0	3	11	0	14	48		
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana									2							0			0	2		
Greater Painted Snipe																0			0	0		

Black-winged Stilt			47										8	321			321	381		
Pied Avocet														1			1	1		
Oriental Pratincole														0			0	0		
Northern Lapwing														0			0	0		
Grey-headed Lapwing		1	3											1			1	7		
Pacific Golden Plover														0			0	0		
Grey Plover														26			26	26		
Common Ringed Plover														0			0	0		
Little Ringed Plover	0	17	6					5	38					0	43	0	43	173		15
Kentish Plover				30										0		30	30	30		
Lesser Sand Plover														0			0	0		
Greater Sand Plover				2										0		2	2	2		
Black-tailed Godwit														376			376	376		
Bar-tailed Godwit				2										0		2	2	2		
Whimbrel			3	32										1		32	33	36		
Eurasian Curlew														83			83	83		
Far Eastern Curlew				2										0		2	2	2		
Spotted Redshank														64			64	64		
Common Redshank				5	1									347		1	348	353		
Marsh Sandpiper				26					72					1765			1765	1863		
Common Greenshank				71					26					1210			1210	1307		
Nordmann's Greenshank														0			0	0		
Green Sandpiper	4	6						0		10	0	1	0	2	0	7	0	7	23	
Wood Sandpiper	17	9	171					2	37	0	0	1	5	0	1	10	0	11	243	
Terek Sandpiper														2			2	2		
Common Sandpiper	5	7	7					6	1	14	12	8	0	6	2	41	0	43	68	2
Grey-tailed Tattler														0			0	0		
Ruddy Turnstone														0			0	0		
Red-necked Phalarope														0			0	0		1
Pintail Snipe														0			0	0		
Swinhoe's Snipe														0			0	0		
Pintail/Swinhoe's Snipe														0			0	0		
Common Snipe		1							5					1	0		0	7		
Long-billed Dowitcher														0			0	0		
Asian Dowitcher														0			0	0		
Red Knot														11			11	11		
Great Knot				1										11		1	12	12		
Sanderling														0			0	0		
Red-necked Stint				25										0		25	25	25		
Little Stint														0			0	0		
Temminck's Stint														0			0	0		
Long-toed Stint														0			0	0		
Pectoral Sandpiper														0			0	0		
Sharp-tailed Sandpiper														1			1	1		
Dunlin				30										0		30	30	30		
Curlew Sandpiper														3			3	3		
Spoon-billed Sandpiper														0			0	0		
Broad-billed Sandpiper				1										0		1	1	1		
Ruff														0			0	0		
Small wader spp.														0			0	0		
Wader sp.														0			0	0		
Black-tailed Gull														0			0	0		
Heuglin's Gull														0			0	0		
Yellow-legged Gull														0			0	0		
Slaty-backed Gull														0			0	0		
Pallas's Gull														0			0	0		

Large Gull spp.																	0			0	0		
Brown-headed Gull																	0			0	0		
Black-headed Gull	0	0					0				0	0	0	0	0	0	0	0	0	0	0		
Saunders's Gull																	0			0	0		
Whiskered Tern																	0			0	0		
White-winged Tern																	0			0	0		
Gull-billed Tern																	1			1	1		
Caspian Tern																	0			0	0		
Total	150	242	1702	330	20	28	43	463	221	160	228	64	108	127	238	5183	500	706	6389	9307	82	241	
	Deep Bay Area	%	Ramsar Site	%	SW	SI																	
Cormorants	1137	12.2	566	8.9	0	0																	
Ardeids etc	2735	29.4	1221	19.1	50	210																	
Ducks, grebes, pelicans	214	2.3	121	1.9	30	15																	
Rails, Coot etc	86	0.9	27	0.4	0	0																	
Waders	5134	55.2	4453	69.7	2	16																	
Gulls and terns	1	0.0	1	0.0	0	0																	
TOTAL	9307		6389		82	241																	

Date of count: 16 Oct 2005

n/c = site not counted High tide measured at TBT:

indicates count consists of or includes a count made up to one week either side of the count date

% = count made at evening roost

Wetland-dependant species																						
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Osprey															2	4			4	6		
Black Kite	1	1						1			1	3	1	3	1	13	9	0	22	25	6	
White-bellied Sea Eag																0			0	0	2	
Eastern Marsh Harrier									2							0			0	2		
Common Buzzard			1													1			1	2		
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon																0			0	0		
Pied Kingfisher	3	6	6					3	2		0	0	0	0	5	0	5	0	5	25		
Common Kingfisher	7	12	6					10	1		10	1	4	1	7	5	28	0	33	64	1	
White-throated Kingfisher	4	4	5				1	7	4	1	5	0	4	0	3	1	16	0	17	39	1	1
Black-capped Kingfisher	0	0	2					0			0	0	0	0	0	0	0	1	1	2	1	
Red-billed Starling	0	0	13					3			0	0	0	0	0	0	0	0	0	16		
Collared Crow	0	0	1					1	1	1	0	38	0	0	0	0	38	0	38	42	3	
Common Kestrel		1																		1		
Pied Harrier		1																		1		
Bonelli's Eagle												1								1		

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

Summary Report

NOVEMBER 2005



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 2005/06

Winter Count

November 2005

Summary Report – November 2005

Y.T. Yu

The November 2005 waterbird count was scheduled on the 13th. The count covered all areas in the Mai Po Inner Deep Bay Ramsar site and the whole Deep Bay area, including Futian National Nature Reserve, Shenzhen and the Hong Kong Wetland Park, Tin Shui Wai, Hong Kong.

A total of 27,371 waterbirds were counted in the Deep Bay area, of which 18,019 (66%) were counted in the Ramsar site. Ducks, grebes and pelicans comprise the largest group of waterbirds at 9,215 (34%) in the Deep Bay area and the second largest was the waders at 5,720 (21%). The number of ducks, grebes and pelican was higher than the same figures in 2004 (7,205) and 2003 (7,242). Compared to 9,307 waterbirds counted in October, it indicates that some wintering waterbirds arrived to Deep Bay area.

A comparison with previous years' counts and the average for the month is provided in Table 1. Number of waterbird of this count in Deep Bay area is similar to the average figure, while the number in Ramsar site is also only 8% lower than the average.

Table 1. November waterbird counts 2001-2005.

October	2001	2002	2003	2004	2005	Average*	Std. Dev.*
Deep Bay area	24,601	34,488	21,303	24,991	27,371	27,531	4,045
Ramsar Site	17,380	25,765	18,061	18,197	18,019	19,579	2,894

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

Summary of Waterbird Count, November 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan
Little Grebe	20	28						18	1		24	0	12	0	15	20	36	0	56	138	
Great Crested Grebe						3										766			766	769	
Great Cormorant	157	80	5200					65	5		1	0	19	53	25	9	84	0	93	5614	
Dalmatian Pelican																0			0	0	
Grey Heron	90	31	127	3	51	21	68	84	17	4	1	3	6	2	13	529	31	158	718	1050	13
Purple Heron																4			4	4	
Great Egret	7	7	130	49	152	22	484	54		82	6	2	5	14	1	170	39	737	946	1185	84
Intermediate Egret	1	0						0	3		6	0	0	0	0	23	0	0	23	33	
Little Egret	12	53	350	1	115	147	607	312	4	190	33	5	283	40	13	180	438	935	1553	2345	11
Swinhoe's Egret																0			0	0	
Pacific Reef Egret								1								0			0	1	
Cattle Egret	0	0						4			17	0	35	0	3	0	45	0	45	59	
Chinese Pond Heron	19	17	76		1	2		8		1	37	2	10	8	14	49	53	3	105	244	8
Striated Heron	0	0						0	0		0	0	0	0	0	0	0	0	0	0	
B-c Night Heron	0	9	10			1		2			0	0	0	1	0	11	3	1	15	34	4
Yellow Bittern	0	0						0			0	0	0	0	0	0	0	0	0	0	
Cinnamon Bittern																0			0	0	
Great Bittern																0			0	0	
Black Stork																0			0	0	
Black-headed Ibis																0			0	0	
Eurasian Spoonbill																0			0	0	
Black-faced Spoonbill			8				71		3							202		71	273	284	
G. White-fronted Goose	1															0			0	1	
Common Shelduck																0			0	0	
Eurasian Wigeon	3	0	63	160			1	3	3		6	0	0	0	0	365	3	161	529	604	
Falcatid Duck																0			0	0	
Gadwall																3			3	3	
Baikal Teal																0			0	0	
Common Teal	52	0	2		5	6	6	44			0	0	0	0	36	39	6	11	56	190	
Mallard																2			2	2	
Spot-billed Duck																0			0	0	
Chinese Spotbill																6			6	6	
Burmese Spotbill																4			4	4	
Northern Pintail				930			107	6	131							187		1043	1230	1361	
Garganey				14			3									10		17	27	27	
Northern Shoveler	1		2	4600	21		48	5								228		4674	4902	4905	
Common Pochard																0			0	0	
Baer's Pochard																0			0	0	
Tufted Duck			610	125			470									1		595	596	1206	
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	4	10		1	2		3			2	0	5	0	0	3	11	3	17	32	
Watercock																0			0	0	
Common Moorhen	5	42	32					7	11		3	0	0	0	5	38	5	0	43	143	
Eurasian Coot	1		136					2								0	2		2	139	

Pheasant-tailed Jacana																1			1	1	
Greater Painted Snipe																0			0	0	
Black-winged Stilt	20		170	116*			11				70*		4	161	81	116	358	366			
Pied Avocet			2	835										0		835	835	837			
Oriental Pratincole														0				0	0		
Northern Lapwing														0				0	0		
Grey-headed Lapwing			5											0				0	5		
Pacific Golden Plover														0				0	0		
Grey Plover														0				0	0		
Common Ringed Plover														0				0	0		
Little Ringed Plover	34	0	20				27	29	5	5	2	22	0	0	0	51	0	51	144		
Kentish Plover	1		3					2						0				0	6		
Lesser Sand Plover														0				0	0		
Greater Sand Plover														0				0	0		
Black-tailed Godwit				403										0		403	403	403	403		
Bar-tailed Godwit														0				0	0		
Whimbrel			1	2		1								0		3	3	3	4		
Eurasian Curlew				127										70		127	197	197	197		
Far Eastern Curlew				1										0		1	1	1	1		
Spotted Redshank	2			16										15		16	31	33	33		
Common Redshank			3	210										3		210	213	216	216		
Marsh Sandpiper	1			265			48	9		6				1672	48	265	1985	2001	2001		
Common Greenshank	4		427				34	100						534	34		568	1099	1099		
Nordmann's Greenshank														0			0	0	0		
Green Sandpiper	1	2					0	4	1	5	3	1	0	1	6	0	7	19	19		
Wood Sandpiper	38	4	142				37	32		5	2	4	3	0	1	50	0	51	268		
Terek Sandpiper														0				0	0		
Common Sandpiper	3	4	8			4	9	7		20	4	10	1	1	1	40	4	45	72	2	
Grey-tailed Tattler														0				0	0		
Ruddy Turnstone														0				0	0		
Red-necked Phalarope														0				0	0		
Pintail Snipe														0				0	0		
Swinhoe's Snipe														0				0	0		
Pintail/Swinhoe's Snipe							1							0	1		1	1	1		
Common Snipe	2		19					2						0			0	23	23		
Long-billed Dowitcher														0				0	0		
Asian Dowitcher														0				0	0		
Red Knot				5										0		5	5	5	5		
Great Knot														0				0	0		
Sanderling														0				0	0		
Red-necked Stint														0				0	0		
Little Stint														0				0	0		
Temminck's Stint	15							1						0				0	16		
Long-toed Stint	1													0				0	1		
Pectoral Sandpiper														0				0	0		
Sharp-tailed Sandpiper														0				0	0		
Dunlin														0				0	0		
Curlew Sandpiper														0				0	0		
Spoon-billed Sandpiper														0				0	0		
Broad-billed Sandpiper														0				0	0		
Ruff														2				2	2		
Small wader spp.														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

DECEMBER 2005



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 2005/06

Winter Count

December 2005

Summary Report – December 2005

Y.T. Yu

The December 2005 waterbird count was scheduled on the 18th. The count covered all areas in the Mai Po Inner Deep Bay Ramsar Site and the whole Deep Bay area, including Futian National Nature Reserve, Shenzhen and the Hong Kong Wetland Park, Tin Shui Wai, Hong Kong.

A total of 39,894 waterbirds were counted in the Deep Bay area, of which 26,813 (67%) were counted in the Ramsar site. The largest group of waterbirds is Ducks and grebes (12,542 individuals, 31%) and the second largest was the waders (11,551 individuals, 29%) in the Deep Bay area. Compare with figures obtained in December 2004, the total number of waterbirds in Deep Bay decreased by 6% (2004 December: 39,894 birds) and the number of waterbird in Ramsar Site decreased drastically by 21% (2004 December: 33,770 birds).

A comparison with previous years' counts and the average for the month is provided in Table 1. Both counts of waterbird in Deep Bay area and Ramsar Site are lower than the average figure, while the number in the whole Deep Bay area is 7% lower than the average and the number in Ramsar Site is 13% lower than the average figure.

Table 1. December waterbird counts 2001-2005.

October	2001	2002	2003	2004	2005	Average*	Std. Dev.*
Deep Bay area	38,457	39,036	37,578	42,329	39,894	42,821	5,995
Ramsar Site	25,129	26,580	31,753	33,770	26,813	30,699	5,640

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

Summary of Waterbird Count, December 2005

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	19	34	6					62	11		23	0	1	0	21	48	45	2	95	225		6
Great Crested Grebe			70		1	187				33						0		188	188	291		
Great Cormorant	347	202	216	275				123	8	2	4	1	16	94	465	5055	167	277	5499	6808		25
Dalmatian Pelican																0			0	0		
Grey Heron	169	37	145	6	7	7	126	111	26	9	8	20	27	5	38	229	96	146	471	970	17	63
Purple Heron																5			5	5		
Great Egret	18	28	188	138	27	17	20	51	4	32	35	2	27	19	49	76	65	202	343	731	86	163
Intermediate Egret	2	2	1					8	1		1	0	0	0	3	6	9	0	15	24		2
Little Egret	26	45	382	33	17	6	18	184	3	51	192	43	49	18	69	39	260	74	373	1175	7	70
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	0	38					0			2	1	15	0	0	0	18	0	18	56		
Chinese Pond Heron	16	24		3			4	39	5	1	51	7	20	12	16	29	109	7	145	227	6	5
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	1					2	0			0	0	1	0	0	5	0	2	7	9	3	25
Yellow Bittern	0	0						0			0	0	0	0	0	0	0	0	0	0		
Cinnamon Bittern																0			0	0		
Great Bittern																2			2	2		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill	17	5	64				53		12	3				1		195	1	53	249	350		
Common Shelduck				3												0		3	3	3		
Eurasian Wigeon	36	9	1425		8	189	25	0	24		39	0	0	2	31	411	2	222	635	2199		
Falcatid Duck		1														0			0	1		
Gadwall																8			8	8		
Baikal Teal																0			0	0		
Common Teal	62	48	26			4	67	6	21		0	0	0	1	30	160	7	71	238	425		51
Mallard	2															0			0	2		
Spot-billed Duck																0			0	0		
Chinese Spotbill																2			2	2		
Burmese Spotbill																0			0	0		
Northern Pintail		3	267		32	2	281	2	67							711	2		713	1365		
Garganey	3								12							2			2	17		
Northern Shoveler	4		2774		20	35	351									194			194	3378		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	51				93	461	115									117		669	786	837		
Greater Scaup							69									0		69	69	69		
Red-breasted Merganser																0			0	0		
Duck sp.			220	3500												0		3500	3500	3720		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	1	1	5					5			2	0	0	0	1	0	3	0	3	15	2	3
Watercock																0			0	0		
Common Moorhen	12	40	93				1	31	17		20	0	0	2	8	41	30	1	72	265		1
Eurasian Coot			303					4								10	4		14	317		
Pheasant-tailed Jacana																0			0	0		

Greater Painted Snipe																0		0	0		
Black-winged Stilt	1		110													178		178	289		
Pied Avocet	5		1779	1130	285	7	98	2	5			3		26		0	31	1520	1551	3340	
Oriental Pratincole																4		4	4		
Northern Lapwing																0		0	0		
Grey-headed Lapwing			5													0		0	5		
Pacific Golden Plover																0		0	0		
Grey Plover			1	135												0	135	135	136		2
Common Ringed Plover																0		0	0		
Little Ringed Plover	9	4	41				27	0		55	7	10	2	0	0	0	13	27	40	155	57
Kentish Plover			6													0		0	6	2	1
Lesser Sand Plover																0		0	0		
Greater Sand Plover																0		0	0		
Black-tailed Godwit																0		0	0		
Bar-tailed Godwit																0		0	0		
Whimbrel																0		0	0		
Eurasian Curlew			5	460	1	39	38									1	538	539	544		
Far Eastern Curlew																0		0	0		
Spotted Redshank							35									2	35	37	37		
Common Redshank			1													0		0	1		2
Marsh Sandpiper			20	180			24									0	204	204	224		
Common Greenshank			30	63			6			11						2	69	71	112		
Nordmann's Greenshank																0		0	0		
Green Sandpiper	1	7					3			1	2	2	1	2	0	7	0	7	19		4
Wood Sandpiper	1	9	83				12	0		1	0	0	2	4	0	3	12	15	112		
Terek Sandpiper																0		0	0		
Common Sandpiper	4	7	11			2	1	9	3	1	20	10	2	2	3	1	34	3	38	76	1 2
Grey-tailed Tattler																0		0	0		
Ruddy Turnstone																0		0	0		
Red-necked Phalarope																0		0	0		
Pintail Snipe																0		0	0		
Swinhoe's Snipe																0		0	0		
Pintail/Swinhoe's Snipe																0		0	0		1
Common Snipe	1	4	32											1		0	1	1	38		3
Long-billed Dowitcher																0		0	0		
Asian Dowitcher																0		0	0		
Red Knot																0		0	0		
Great Knot																0		0	0		
Sanderling																0		0	0		
Red-necked Stint																0		0	0		
Little Stint																0		0	0		
Temminck's Stint	5	1														0		0	6		
Long-toed Stint			1													0		0	1		
Pectoral Sandpiper																0		0	0		
Sharp-tailed Sandpiper																0		0	0		
Dunlin																0		0	0		5
Curlew Sandpiper																0		0	0		
Spoon-billed Sandpiper																0		0	0		
Broad-billed Sandpiper																0		0	0		
Ruff			5				1									0	1	1	6		
Small wader spp.				5500												0	5500	5500	5500		
Wader sp.			940													0		0	940		15
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

JANUARY 2006



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 2005/06

Winter Count

January 2006

Summary Report – January 2006

Y.T. Yu

The January 2006 waterbird count took place on the 22nd. The count covered all areas in the Mai Po Inner Deep Bay Ramsar Site and the whole Deep Bay area, including Futian National Nature Reserve, Shenzhen and the Hong Kong Wetland Park, Tin Shui Wai, Hong Kong.

A total of 47,627 waterbirds were counted in the Deep area, of which 24,740 (52%) were counted in the Ramsar site. The largest group of waterbirds comprised Ducks, grebes, pelicans at 12,958 individuals and seconded by Gulls and terns at 11,709 individuals. Comparing to the figures of previous year, the number of ducks decreased by more than 9,000 individuals which was recorded at 22,521 in January 2005, while there is an increase of over 3,800 gulls and a total of 7,895 birds were counted. The number of Great Cormorant has a slightly increase to 10,347 birds from 9,552 birds in January 2005.

A comparison with previous years' counts and the average for the month is provided in Table 1. Both counts of waterbird in Deep Bay area and Ramsar Site are lower than the average figure. The number in the whole Deep Bay area is 9% lower than the average and the number in the Ramsar Site is 33% lower than the average. Also, the number in the whole Deep Bay area fell outside the range of 50,000-55,000 waterbirds – a previous “stable range” of the waterbird number in Deep Bay area. The number in the Ramsar Site is the second lowest figure in last five years.

Table 1. January waterbird counts 2002-2006.

October	2002	2003	2004	2005	2006	Average*	Std. Dev.*
Deep Bay area	51,333	53,795	27,927	54,454	47,627	50,175	8,746
Ramsar Site	36,429	40,272	23,915	34,623	24,740	37,153	10,028

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

Summary of Waterbird Count, January 2006

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet	
Little Grebe	25	21	11					36		6	18	3	13	4	17	32	54	0	86	186		6	
Great Crested Grebe			40		7	136			40							0		143	143	223			
Great Cormorant%										*74	3098					7249		0	7249	10347	1	103	
Dalmatian Pelican				2												0		2	2	2			
Grey Heron	65	29	67	24	8	4	114	42	3	53	10	3	19	41	35	223	71	166	460	740	25	74	
Purple Heron																2			2	2			
Great Egret	12	2	577	31	6	3	37	61	2	1	13	1	7	92	11	231	131	107	469	1087	88	192	
Intermediate Egret	0	0						0		1	0	0	0	0	0	14	0	0	14	15		2	
Little Egret	28	19	714	20	9	17	104	84	51	4	229	2	352	132	100	139	353	205	697	2004	8	57	
Swinhoe's Egret																0			0	0			
Pacific Reef Egret																0			0	0			
Cattle Egret	0	1	5					1	12		2	0	12	7	20	2	33	1	36	62		10	
Chinese Pond Heron	7	18	28	2				2	18	2	1	40	1	11	24	20	15	92	4	111	189	8	6
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0			
B-c Night Heron	0	3						0			1	0	1	2	0	0	3	0	3	7	2	27	
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	6							5	8	2					4	213	8	5	226	238		1	
Common Shelduck																0			0	0			
Eurasian Wigeon	13	13	737		68	36	2	14	32	9	0	0	0	0	38	455	2	104	561	1417			
Falcatid Duck																0			0	0			
Gadwall																0			0	0			
Baikal Teal																0			0	0			
Common Teal	77	42	113				165	205		10	0	0	0	0	0	525	5	365	895	1137		47	
Mallard	1															2			2	3			
Spot-billed Duck																17			17	17			
Chinese Spotbill	1															0			0	1			
Burmese Spotbill																0			0	0			
Northern Pintail			280		155		526	32		107						369	2	711	1082	1469			
Garganey										21						5			5	26			
Northern Shoveler			2265		8		261	30		3					6	297		299	596	2870			
Common Pochard																0			0	0			
Baer's Pochard																0			0	0			
Ferruginous Duck																3			3	3			
Tufted Duck	33	6	930						36						19	35			35	1059		1	
Greater Scaup						45										0		45	45	45			
Red-breasted Merganser																0			0	0			
Duck sp.				4500												0		4500	4500	4500			
Slaty-breasted Rail																0			0	0			
Water Rail																0			0	0			
White-breasted Waterhen	1	3	8				1	2			0	0	0	1	1	0	3	1	4	17	1	6	
Watercock																0			0	0			
Common Moorhen	6	118	2				2	23		9	29	0	0	0	10	36	34	2	72	235		4	
Eurasian Coot			110					2							2	8	2		10	122			
Pheasant-tailed Jacana																0			0	0			

Greater Painted Snipe																	0			0	0		
Black-winged Stilt			73											4			0			0	77		
Pied Avocet			2000	850			30	50									0		80	80	2934		
Oriental Pratincole																	0			0	0		
Northern Lapwing																	2			2	2		
Grey-headed Lapwing							1										0		1	1	1		
Pacific Golden Plover																	0			0	0		
Grey Plover				520													0		520	520	520		
Common Ringed Plover																	0			0	0		
Little Ringed Plover	5	1	73				1	120			7	6	4	0	1	2	1	127	1	129	221		18
Kentish Plover																	0			0	0		
Lesser Sand Plover																	0			0	0		
Greater Sand Plover																	0			0	0		
Black-tailed Godwit				250													0		250	250	250		
Bar-tailed Godwit				1													0		1	1	1		
Whimbrel				1													0		1	1	1		
Eurasian Curlew				580			2	9									0		582	582	591		
Far Eastern Curlew																	0			0	0		
Spotted Redshank			3				19										0		19	19	22		
Common Redshank			4														0			0	4		
Marsh Sandpiper				70			6				2						0		76	76	78		
Common Greenshank			489				13				23						0		13	13	525		
Nordmann's Greenshank																	0			0	0		
Green Sandpiper	2	8						0			0	1	1	1	3	0	4	0	4	4	16		2
Wood Sandpiper	0	11	246				9	3			7	4	3	0	3	4	0	9	9	18	290		1
Terek Sandpiper																	0			0	0		
Common Sandpiper	3	3	8				1	1	2	1	3	18	9	5	4	13	2	29	2	33	73	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		
Pintail/Swinhoe's Snipe																	0			0	0		
Common Snipe	1	3	8								2						0			0	14		1
Long-billed Dowitcher																	0			0	0		
Asian Dowitcher																	0			0	0		
Red Knot				11													0		11	11	11		
Great Knot																	0			0	0		
Sanderling																	0			0	0		
Red-necked Stint																	0			0	0		
Little Stint																	0			0	0		
Temminck's Stint								9									0	9		9	9		
Long-toed Stint																	0			0	0		
Pectoral Sandpiper																	0			0	0		
Sharp-tailed Sandpiper																	0			0	0		
Dunlin																	0			0	0		
Curlew Sandpiper																	0			0	0		
Spoon-billed Sandpiper																	0			0	0		
Broad-billed Sandpiper																	0			0	0		
Ruff			4														0			0	4		
Small wader spp.																	0			0	0		
Wader sp.				1950			300										0		2250	2250	2250		3
Black-tailed Gull																	0			0	0		
Heuglin's Gull	1																0			0	1		
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

FEBRUARY 2006



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 2005/06

Winter Count

February 2006

Summary Report – February 2006

Y.T. Yu

The February 2006 waterbird count took place on 19th. The count completely covered all areas in the Mai Po Inner Deep Bay Ramsar Site and the whole Deep Bay area, including Futian National Nature Reserve, Shenzhen and the Hong Kong Wetland Park, Tin Shui Wai, Hong Kong.

A total of 56,889 waterbirds were counted in the whole Deep Bay area, of which 42,943 (75%) were counted in the Ramsar site. The large group of waterbird comprised the ducks, grebes, pelicans constituting at 19,656 (35%) individuals. The second largest group was the gulls and terns recorded at 14,417 (25%) individuals. Notwithstanding that the number of waterbirds counted in this February is higher than the count in January which the number is usually at peak over the winter.

A comparison with previous year's counts and the average for the month is provided in Table 1. Both numbers of waterbird in the whole Deep Bay and the Ramsar site were the highest since 2002. The whole Deep Bay figure is also the second highest figure since the commencement of this programme in 1998. There are 36% and 40% increase of the whole Deep Bay and the Ramsar site respectively from the same figure of previous year. This year's figures are also in 36% and 34% higher than the average.

Table 1. February waterbird counts 2002-2006.

October	2002	2003	2004	2005	2006	Average*	Std. Dev.*
Deep Bay area	30,780	38,491	25,466	41,722	56,889	41,878	10,810
Ramsar Site	23,753	26,237	13,892	30,754	42,943	32,108	12,563

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

Summary of Waterbird Count, February 2006

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	31	15						41		4	15	2	11	3	15	48	45	0	93	185		1
Great Crested Grebe	1		8	3	20	222	13		6							0		258	258	273		
Black-necked Grebe				1												0		1		1		
Great Cormorant	216	256	20					161	1500	153	20	3	17	335	64	2584	456	0	3040	5329	16	62
Dalmatian Pelican																0			0	0		
Grey Heron	52	30	16	3	8	4	208	87	8	14	3	15	29	28	42	324	77	268	669	871	11	62
Purple Heron																4			4	4		
Great Egret	4	8	139	250	37	10	41	104	4	7	10	33	118	16	9	69	135	350	554	859	42	219
Intermediate Egret	2	0		11				5		1	1	0	0	0	1	7	6	11	24	28		2
Little Egret	8	14	114	60	35	44	80	208	64	8	38	71	125	44	26	119	336	259	714	1058	6	80
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	0	1					4			8	1	7	24	6	0	38	0	38	51		7
Chinese Pond Heron	3	21	13				5	11		3	43	4	23	14	19	41	86	5	132	200	6	4
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	6	2					0			0	0	0	5	0	5	5	0	10	18	2	66
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	75*		35*				84	1		21						210			210	316		
Greater White-fronted Goose	1															0			0	1		
Common Shelduck																0			0	0		
Eurasian Wigeon	1	12	730			123	35	60	7	40	34	0	0	0	0	413	0	218	631	1455		
Falcatid Duck																0			0	0		
Gadwall																10			10	10		
Baikal Teal																0			0	0		
Common Teal	28	35	36			11	28	60		11	0	0	5	0	2	1011	0	99	1110	1227		41
Mallard																1			1	1		
Spot-billed Duck																6			6	6		
Chinese Spotbill																6			6	6		
Burmese Spotbill																0			0	0		
Northern Pintail	1		220		300	93	111			66						402		504	906	1193		
Garganey							2			10						75		2	77	87		
Northern Shoveler			2300		25		67	50		6						453		142	595	2901		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	15	7	1000													46			46	1068		1
Greater Scaup						83										0		83	83	83		
Red-breasted Merganser																0			0	0		
Duck sp.			5000	6100						60						0		6100	6100	11160		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	1	6	3					0			1	0	0	0	0	1	1	0	2	12		2
Watercock																0			0	0		
Common Moorhen	5	17	23				4	24	5	8	17	0	1	1	13	30	20	4	54	148		
Eurasian Coot			200					5								21			21	226		

Pheasant-tailed Jacana																0		0	0			
Greater Painted Snipe																0		0	0			
Black-winged Stilt		15	96													384		384	495			
Pied Avocet			5	5800						6						2		5800	5802	5813		
Oriental Pratincole		2														0			0	2		
Northern Lapwing																0			0	0		
Grey-headed Lapwing			6				2									0	2		2	8		
Pacific Golden Plover																0			0	0		
Grey Plover				23												0		23	23	23		
Common Ringed Plover																0			0	0		
Little Ringed Plover	9	4	36			0	10	2	2	5	19	0	5	0	26	0	26	26	92		1	
Kentish Plover			30													0			0	30		
Lesser Sand Plover																0			0	0		
Greater Sand Plover																0			0	0		
Black-tailed Godwit				450												1	450	451	451			
Bar-tailed Godwit																0			0	0		
Whimbrel																0			0	0		
Eurasian Curlew				1087												0	1087	1087	1087			
Far Eastern Curlew				1												0		1	1	1		
Spotted Redshank			1	670		148										868	818	1686	1687			
Common Redshank			10	180												0	180	180	190			
Marsh Sandpiper			1	2030						35						2	2030	2032	2068			
Common Greenshank			4			31				30						699	31	730	764			
Nordmann's Greenshank																0			0	0		
Green Sandpiper	1	14	1			2		0	2	2	0	11	0	4	0	4	4	4	33		3	
Wood Sandpiper	3	14	129			2		4	0	0	0	2	17	1	4	0	5	5	172			
Terek Sandpiper																0			0	0		
Common Sandpiper	1	5	6			1	8	3	2	19	3	3	2	5	0	29	1	30	58		1	
Grey-tailed Tattler																0			0	0		
Ruddy Turnstone																0			0	0		
Red-necked Phalarope																0			0	0		
Pintail Snipe																0			0	0		
Swinhoe's Snipe																0			0	0		
Pintail/Swinhoe's Snipe																0			0	0		
Common Snipe		2	5													0			0	7		
Long-billed Dowitcher				1												0	1	1	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		3	3													0			0	6		
Long-toed Stint																0			0	0		
Pectoral Sandpiper																0			0	0		
Sharp-tailed Sandpiper																0			0	0		
Dunlin		1		700												0	700	700	701			
Curlew Sandpiper																0			0	0		
Spoon-billed Sandpiper																0			0	0		
Broad-billed Sandpiper																0			0	0		
Ruff			3	2												1	2	3	6			
Small wader spp.																0			0	0		
Wader sp.																0			0	0		
Black-tailed Gull				1												0	1	1	1			
Heuglin's Gull				199		146										0	345	345	345			
Yellow-legged Gull				3												0	3	3	3			

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

Summary Report

MARCH 2006



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 2005/06

Winter Count

March 2006

Summary Report – March 2006

Y.T. Yu

The March 2006 waterbird count took place on 19th and the coverage was complete for Deep Bay and the Ramsar site areas, including the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve, Shenzhen Special Economic Zone, China.

The number of waterbirds in the whole Deep Bay area was counted at 25,206 individuals, of which 18,962 (75%) were counted in the Ramsar site. The largest waterbird group comprised the waders constituting at 11,277 birds (44.7%), and the second largest group was ducks, grebes and pelican, of which 6,173 (24.5%) were counted. In comparison to 56,889 waterbirds counted at the February count, it showed that some wintering waterbirds have already left Deep Bay for their northward migration.

A comparison with previous years' counts and the average for the month is provided in Table 1. Although the number of waterbirds in the whole Deep Bay area is lower than the same figure of previous year, it is still 25% more than the average figure. The number in Ramsar site is the highest in the last five year and this figure is also higher than the average figure of 32%.

Table 1. March waterbird counts 2002-2006.

March	2002	2003	2004	2005	2006	Average	Std. Dev.
Deep Bay area	13,957	16,364	12,400	30,259	25,206	20,121	7,279
Ramsar Site	12,383	6,609	6,831	15,391	18,962	14,341	7,043

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

Summary of Waterbird Count, March 2006

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	WEP	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	27	32	1					47		11	11	0	14	4	13	65	43	0	108	225		1
Great Crested Grebe			148			24			5							0		24	24	177		
Great Cormorant	459	92	63			6	9	93	8	31	32	2	6	112	46	2132	188	15	2335	3091		123
Dalmatian Pelican																0			0	0		
Grey Heron	56	2	15			8	97	8	6	8	0	2	0	2	1	335	9	105	449	540		67
Purple Heron	1															1			1	2		
Great Egret	17	3	73	13		24	122	6	28	15	5	3	2	13	45	34	25	159	218	403		119
Intermediate Egret	2	0						0			0	0	0	0	0	23	0	0	23	25		3
Little Egret	18	6	251	52		62	409	36	29	20	75	23	48	34	31	186	155	523	864	1280		62
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	0						0			6	31	2	24	6	0	42	0	42	69		2
Chinese Pond Heron	0	10	31	2		3		12	3	1	46	6	16	11	10	13	81	5	99	164		2
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0	4					2			0	0	0	4	0	11	6	0	17	21		500
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	16^		1^	2^			187			16^					3^	146		187	333	333		
Greater White-fronted Goose																1			1	1		
Common Shelduck																0			0	0		
Eurasian Wigeon	0	12	1517			232	21	90		12	35	0	0	0	0	135	0	343	478	2054		
Falcated Duck																0			0	0		
Gadwall																10			10	10		
Baikal Teal																0			0	0		
Common Teal	0	6	14					100		1	0	0	0	8	0	764	0	100	864	893		82
Mallard																2			2	2		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail			20			59				5	6					75		59	134	165		
Garganey			1							11						93			93	105		
Northern Shoveler			1201				40			2						256		40	296	1499		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck																33			33	33		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.				700			310									0		1010	1010	1010		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	4	2	8	2			4	0			4	0	2	2	1	3	7	6	16	32		7
Watercock																0			0	0		
Common Moorhen	10	13	59					10		7	12	0	0	5	13	47	17	0	64	176		4
Eurasian Coot			65													5			5	70		
Pheasant-tailed Jacana																0			0	0		

Greater Painted Snipe														0			0	0		
Black-winged Stilt		1	74					20					3	10	20		30	108		
Pied Avocet				5500	1200^	22^						3	0		5500	5500	5503			
Oriental Pratincole											58		0	58		58	58			
Northern Lapwing													0			0	0			
Grey-headed Lapwing			5										0			0	5			
Pacific Golden Plover													0			0	0			
Grey Plover				220									0		220	220	220			
Common Ringed Plover													0			0	0			
Little Ringed Plover	13	19	4				22	4	3	1	17	0	4	3	40	0	43	90		
Kentish Plover													0			0	0		5	
Lesser Sand Plover													0			0	0			
Greater Sand Plover				2									0		2	2	2			
Black-tailed Godwit				32									251		32	283	283			
Bar-tailed Godwit				1									0		1	1	1			
Whimbrel													0			0	0			
Eurasian Curlew			19	390	150	389^		17					0		540	540	576			
Far Eastern Curlew													0			0	0			
Spotted Redshank												8			955	955	963			
Common Redshank			40	170									231		170	401	441			
Marsh Sandpiper			1	39					416				1130		39	1169	1586		1	
Common Greenshank			370	12					1				553		12	565	936			
Nordmann's Greenshank													1			1	1			
Green Sandpiper	2	9	1				11	1	0	4	15	1	3	1	31	0	32	48		1
Wood Sandpiper	0	75	165				1	25	3	0	5	1	13	8	10	0	18	296		1
Terek Sandpiper													0			0	0			
Common Sandpiper	3	7	8		1		18	1	2	8	11	16	13	9	3	63	1	67	100	1
Grey-tailed Tattler														0			0	0		
Ruddy Turnstone														0			0	0		
Red-necked Phalarope														0			0	0		
Pintail Snipe														0			0	0		
Swinhoe's Snipe														0			0	0		
Pintail/Swinhoe's Snipe														0			0	0		1
Common Snipe		3								1				0			0	4		
Long-billed Dowitcher														1			1	1		
Asian Dowitcher														0			0	0		
Red Knot				9										0		9	9	9		
Great Knot				1										0		1	1	1		
Sanderling														0			0	0		
Red-necked Stint				20										18		20	38	38		
Little Stint														0			0	0		
Temminck's Stint														0			0	0		
Long-toed Stint														0			0	0		
Pectoral Sandpiper														0			0	0		
Sharp-tailed Sandpiper														0			0	0		
Dunlin														0			0	0		
Curlew Sandpiper				2										1		2	3	3		
Spoon-billed Sandpiper														0			0	0		
Broad-billed Sandpiper				4										0		4	4	4		
Ruff														0			0	0		
Small wader spp.														0			0	0		
Wader sp.														0			0	0		
Black-tailed Gull														0			0	0		
Mew Gull				1												1				
Heuglin's Gull				12										0		12	12	12		
Yellow-legged Gull														0			0	0		

