

Tender Reference No. AFCD/SQ/81/04

**Mai Po Inner Deep Bay Ramsar Site
Waterbird Monitoring Programme
2005 - 06**

**Monthly Waterbird Monitoring
Winter 2005-06 Report**



Submitted by
The Hong Kong Bird Watching Society Ltd.
Approved Charitable Institution of a Public Character
to Agriculture, Fisheries and Conservation Department,
Hong Kong SAR Government

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Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Waterbird Count Coordinator

YU Yat Tung

The Hong Kong Bird Watching Society Ltd.

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Report available for public information

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Winter 2005-06 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Report



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

MAI PO INNER DEEP BAY RAMSAR SITE WATERBIRD MONITORING PROGRAMME 2005-06

Monthly Waterbird Monitoring

October 2005 - March 2006

Winter Report

Y.T. Yu¹

1. Introduction

Long-term monitoring of waterbirds provides an indication of the health of the Deep Bay ecosystem. It is an important strategic aspect for the management of the Mai Po Inner Deep Bay Ramsar Site. This Waterbird Monitoring Programme was administered and executed by the Hong Kong Bird Watching Society Limited (HKBWS) under subvention from the Agriculture, Fisheries and Conservation Department (AFCD) from March 1998 to March 2004. Starting from April 2004, the Waterbird Monitoring Programme was arranged under a service contract funded by AFCD.

Monthly counts of waterbirds in the site form a major part of this programme, the others being counts of shorebirds during the migration season, and egret surveys during the breeding season. This report concerns the monthly waterbird monitoring component for the winter period from October 2005 to March 2006 under the contract tender reference no. AFCD/SQ/81/04.

2. Methodology

Coordinated mid-monthly counts of wintering waterbirds in Hong Kong were carried out by members of the HKBWS on 16 October 2005, 13 November 2005, 18 December 2005, 22 January 2006, 19 February 2006 and 19 March 2006. The January count coincided with the Asian Waterfowl Census organized by Wetlands International - Asia Pacific. Counts from November to March have been carried out each winter since 1992-1993; counts in January were first carried out in 1979.

The survey area extends from fishponds at Ma Tso Lung in the east to the

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coastal fringe at Pak Nai and Nim Wan in the west and the Futian National Nature Reserve in Shenzhen Special Economic Zone, China in the north. Since November 2004, counting of waterbirds in the Hong Kong Wetland Park at Tin Shui Wai was included as a part of this monitoring programme (Map 1 and 2).

In general, this monitoring programme involves surveying specified areas and counting waterbirds in individual fishponds, *gei wai*, streams, mudflat or marshes. Other variables, such as the vegetation surrounding each pond, the height of exposed edge to the pond and the percentage of pond bottom exposed as a result of drain-down are also measured four times a year. Tidal areas of Inner Deep Bay were surveyed simultaneously so as to ensure the chance of double-counting was as small as possible.

During the winter months, there are substantial numbers of birds in the bay. However, there are very few diurnal tides of a sufficient height to force all waterbirds off the mudflat and onto roost sites inland. Counts were made on dates with a rising tide, preferably one that comes to about 2.0 m. High-tide counts of individual species made one week either side of the count date are included if they are considered to be more accurate than that made on the count day. This methodology used is described in detail in the Waterbird Count Handbook (Carey 2002, Map 1, Map 2).

3. Results

Coverage of the whole Deep Bay and the Ramsar Site was completed in all winter months, including the Hong Kong Wetland Park at Tin Shui Wai which was first included in this monitoring programme in November 2004, and the Futian National Nature Reserve in Shenzhen Special Economic Zone, China. Counting at both these sites increases the coverage of this survey of Deep Bay and improves the accuracy. The results of the six counts are summarized in Table 1; results in full are provided in appendices.

The peak number of wintering waterbirds in the Deep Bay area occurred in February this winter, though it usually occurs in January. Exceptions also occurred in winter 2003-04 (December) and winter 1998-99 (February). This peak number comprised 56,889 waterbirds of 56 species, of which a total of 42,943 (75%) individuals were recorded in the Ramsar Site (Table 1). Compared to the peak number of 54,454 recorded in the previous year, this number is a marginally increase of 4%. This peak number also fell into a 'stabilised' range of 50,000-54,000 waterbirds

recorded since winter 1997-98.

Table 1. Numbers of waterbird counts, winter 2005-2006 by groups and areas.

Groups	Sites	Oct	Nov	Dec	Jan	Feb	Mar
Cormorants	Ramsar Site	566	93	5499	7249	3040	2335
	Deep Bay area	1137	5614	6808	10347	5329	3091
	SI & SW	0	0	25	104	62	123
Ardeids	Ramsar Site	1221	3682	1628	2019	2356	2046
	Deep Bay area	2735	5239	3549	4345	3406	2837
	SI & SW	260	235	447	500	507	755
Ducks and grebes	Ramsar Site	121	8177	6433	7972	9922	3052
	Deep Bay area	214	9215	12542	12958	19656	6173
	SI & SW	45	70	57	54	43	83
Rails, Coots etc.	Ramsar Site	27	62	89	86	77	85
	Deep Bay area	86	314	597	374	386	278
	SI & SW	0	0	6	11	2	11
Waders	Ramsar Site	4453	4757	8321	3999	13147	9941
	Deep Bay area	5134	5720	11551	7894	13695	11277
	SI & SW	18	26	95	27	4	10
Gulls and terns	Ramsar Site	1	1248	4843	11483	14401	1503
	Deep Bay area	1	1269	4847	11709	14417	1550
	SI & SW	0	0	0	0	0	0
Totals	Ramsar Site	9307	18019	26813	32808	42943	18962
	Deep Bay area	6389	27371	39894	47627	56889	25206
	SI & SW	323	331	630	696	618	982*

SI & SW = Starling Inlet and Shuen Wan, *count at Shuen Wan was incomplete.

Within the peak count of 56,889 waterbirds, the largest group was composed of the wintering Ducks and Grebes, of which a total of 19,656 individuals were recorded. However, this number also included a total of 11,160 unidentified individuals as these birds were only seen and counted at great distance. This peak count of Ducks and Grebes and also the Ardeids were recorded in lower numbers compared to that of the previous year, while the Waders and Gulls and Terns were recorded in higher numbers. The peak count of Cormorants was 10,347 in January, which is also higher than the number in previous winter (Table 2).

Table 2. Peak numbers of different waterbird groups in the Deep Bay area during the mid-winter period (i.e. December to February) in last five winters.

	Winter 2001-02	Winter 2002-03	Winter 2003-04[^]	Winter 2004-05	Winter 2005-06
Cormorants	6,230 (Jan)	7,959 (Jan)	8,964 (Jan)	9,552 (Jan)	10,347 (Jan)
Ardeids	4,400 (Jan)	4,702 (Jan)	3,963 (Dec)	6,425 (Dec)	4,345 (Jan)
Ducks and grebes	18,987 (Dec)	20,203 (Jan)	16,856 (Feb)	22,521 (Jan)	19,656 (Feb)
Rail and coots	195 (Jan)	219 (Dec)	362 (Jan)	384 (Feb)	597 (Dec)
Waders	10,242 (Jan)	9,849 (Feb)	12,856 (Jan)	9,806 (Feb)	13,695 (Feb)
Gulls and terns	13,302 (Jan)	13,191 (Jan)	8,469 (Dec)	9,346 (Dec)	14,417 (Feb)

[^] Counts in mid-winter period of winter 2003-04 were modified by additional counts. Details are referred to Part II: additional counts of waterbirds in Deep Bay Intertidal area in January and February 2004 in Yu (2004) and Anon. (2005).

In order to gain a more accurate picture of the number of waterbirds that depend on Deep Bay for at least some part of the winter, and to counteract stochastic biases occurring as a result of using the January count alone, the sum of peak species counts for the December 2005 to February 2006 period was used. The total of these peak counts was 59,469 birds of 71 waterbird species, from which numbers of unidentified ducks and waders *Tringa spp.* are excluded because of overlap with counts of other positively-identified species in all months. This figure shows a marginal decrease of 3% from the equivalent figure of 60,994 birds in previous winter, but this figure is still within a 'stabilised' range of 57,000-64,000 birds of the total winter peak count made between winters from 1997-98 to 2002-03.

In the past, the January count was regarded as an important figure for determining trends and providing annual comparisons. However, low high-tide water levels have caused some recent January counts to be less representative than before. The 2006 January count recorded a total of 46,727 birds, and thus comprises to only 79% of the total winter peak count, while the 2005 January count comprised up to 89% of the total winter peak count of that winter. In winter 2005-06, many species peak counts were made either in December or February (Table 2).

Low-tide counts were proposed to provide supplementary information of numbers of wintering waterbirds in mid-winter period of winter 2005-06. However, it was not implemented in this winter eventually. The sum of peak species counts in winter 2005-06 is similar to the same figure of the previous year indicating that the total number of wintering waterbird in Mai Po and Deep Bay area did not have a

considerable change, although the figure of waterbirds in January could not be improved. So, the figures presenting in this report could still show the trend and provide comparisons.

The ten most numerous waterbird species recorded in the Deep Bay area were: Black-headed Gull *Larus ridibundus* (14,016), Great Cormorant *Phalacrocorax carbo* (10,347), Pied Avocet *Recurvirostra avousetta* (5,813), Northern Shoveler *Anas clypeata* (3,378), Eurasian Wigeon *Anas penelope* (2,199), Marsh Sandpiper *Tringa stagnatilis* (2,068), Little Egret *Egretta garzetta* (2,004), Spotted Redshank *Tringa erythropus* (1,687), Northern Pintail *Anas acuta* (1,469) and Common Teal *Anas crecca* (1,227). The total number of these ten species is 44,208 birds, constituting 74% of the total winter peak number.

Species of conservation significance

Some species that occur in the Deep Bay Area are of conservation significance due to their being listed as globally threatened by BirdLife International (2000, 2004), or because they are species for which Deep Bay supports, or may support, at least 1% of regional or flyway population, as used for implementing the Ramsar Convention criterion 3c. The '1% of regional or flyway population' is based on information provided by Wetlands International (2002). A brief review of these important waterbird species is provided below.

Dalmatian Pelican *Pelcanus crispus*

Vulnerable

Only two birds were recorded in Deep Bay area during winter 2005-06. This is the lowest figure since the commencement of the winter waterbird count in 1981. These birds constituted at a minimum of 2% of the regional population, which is estimated at fewer than 130 individuals in this region (Wetlands International 2002), although recent records indicates that the regional population could be as low as only several tens of birds (Simba Chan and Y.T. Yu *unpub. data*).

Great Cormorant *Phalacrocorax carbo*

An additional synchronous count at night roosting sites at Nam Sang Wai and Mai Po during the January count period provided a total of 10,347 birds, which is a new high number for Hong Kong and the first time that over 10,000 individuals have been recorded. The 1% threshold value was set at 1,000 birds (Wetlands International 2002) and thus Hong Kong supported 10% of the regional population in winter 2005-06.

Great Egret *Egretta alba*

A total of 1,087 birds were counted in the January count, of which 577 birds were recorded in Futian Nature Reserve, Shenzhen. This is a 44% decrease from an extraordinary historical peak number of 1,941 birds in the previous winter. The 1% threshold value was set at 1,000 individuals (Wetlands International 2002) and thus Deep Bay supported 1% of the regional population in winter 2005.06.

Black-faced Spoonbill *Platalea minor*

Endangered

A total count of 350 individuals was made in the December count, but nine individuals (i.e. five at Shenzhen River B, three at mudflats between Lau Fau Shan and Nim Wan and one at Mai Po San Tsuen) were likely to move around and so this total would make overlap of these individuals. On the other hand, a total of 346 birds were counted in the whole Deep Bay area on 7 January 2006 during the International Black-faced Spoonbill Census. Nevertheless, these figures are very similar and the count of 346 birds is the new high number of this species in the Deep Bay area. The known world population from the 2006 International Census was 1,679 individuals (Yu and Wong 2006) and thus Deep Bay area supported 21% of the world population.

Falcated Duck *Anas falcata*

Near Threatened

Only one individual of this declining species was recorded in the December count. This species is now upgraded to globally near threatened due to declining of numbers on the non-breeding grounds in China (i.e. including Hong Kong) (BirdLife International 2006a).

Ferruginous Duck *Aythya nyroca*

Near Threatened

Three individuals of this globally near threatened species were seen intermittently in Mai Po Nature Reserve throughout the winter. They were recorded in the January count.

Pied Avocet *Recurvirostra avosetta*

A total of 5,813 individuals were recorded in the February count, which is the second highest count in Hong Kong and very close to the highest count of 5,846 birds in February 2003. The 1% threshold value was set at 1,000 individuals (Wetlands International 2002) and hence the Deep Bay area supported 5.8% of the regional population.

Black-tailed Godwit *Limosa limosa*

Near Threatened

The winter peak number was 451 birds recorded in the February count. This species is now upgraded to globally near threatened because the number may have declined at a rate of 30% over the last 15 years from recent analysis (BirdLife International 2006b).

Eurasian Curlew *Numenius arquata*

The peak count was a total of 1,087 birds in the February count. The regional population is estimated at 35,000 individuals (Wetlands International 2002) and so the Deep Bay area supported 3.1% of the regional population.

Spotted Redshank *Tringa erythropus*

The winter peak count was 1,687 birds made in the February count. The 1% flyway population was set at 1,000 individuals (Wetlands Internationals 2002) and this peak count constituted 1.6% of the flyway population.

Marsh Sandpiper *Tringa stagnatilis*

A total of 2,068 individuals recorded in the February count was the peak winter count. The flyway population is estimated at 90,000 individuals (Wetlands International 2002) and this peak number constituted 2.3% of the regional population.

Common Greenshank *Tringa nebularia*

The winter peak count was 764 birds from the February count. This count constituted 1.4% of the flyway population which 1% threshold value is set at 550 individuals (Wetlands International 2002).

Nordmann's Greenshank *Tringa guttifer* Endangered

The only record refers to a single bird recorded in the March count. Single wintering individual had been recorded in previous winters.

Relict Gull *Larus relictus* Vulnerable

A first winter individual of this species was recorded in the February count. This globally vulnerable species is only a very rare winter visitor in Hong Kong, and this is only the fourth record.

Saunders's Gull *Larus saundersi* Vulnerable

A total of 51 birds during the February count was the peak count of this winter. Numbers are increasing from the very low figure of only 15 birds in winter 2003-04.

The world population is estimated at 7,100 to 9,600 individuals and the 1% threshold value is set at 85 birds (Wetlands International 2002).

Other notable counts

Common Shelduck *Tadorna tadorna*

Only three birds were recorded in the December count and none was recorded in other counts. This is the lowest count since the commencement of this winter waterbird count in 1981. This species declined from a high count of 2,972 in winter 1996-97 (Carey *et al.* 2001) to 68 birds last winter and only three individuals in this winter.

Eurasian Coot *Fulica atra*

A total of 317 birds were counted in the December count and this is the peak count of this winter. This number is more than a double of the peak count of 145 birds in previous winter, but it is still low compared to the numbers in winter of the early 1990s.

Black-winged Stilt *Himantopus himantopus*

The winter peak number was 495 birds made in the February count and this is a new high for this species in the mid-winter period. This species is known to be a both migrant and winter visitor, but highest numbers usually appear in autumn (Carey *et al.* 2001).

Small waders, mainly comprising Kentish Plover *Charadrius alexandrinus* **and Dunlin** *Calidrius alpinus*

Only two notable counts of this group were made in winter 2005-06. A total of 5,500 small waders, thought to be mainly Kentish Plovers and Dunlins, were recorded in the December count and 30 Kentish Plovers and 701 Dunlins were counted in the February count. These counts reflect that these species might be present in Deep Bay area less frequently and numerous than in the past. These species have been in considerable numbers among all wintering waterbirds in late 1990s.

Black-headed Gull *Larus ridibundis*

The winter peak count of this species is 14,016 birds made in the February count. This is a 50% increase from the only 9,322 birds recorded in the previous winter. Such an increase is welcome because this is a dominant species in the Deep Bay area and its numbers, whether increasing or decreasing, are of conservation concern.

Conclusion

In this winter, the peak count of 56,890 birds fell in February that could not be compared to the figure of previous year because it was recorded in January. Table 2 shows the peak counts of different waterbird groups in mid-winter period which previously appeared in January in winter 2001-02 but occurred in February and December. This indicates that the January count may now be less representative than in the past. The low high-tide water level caused birds to remain far away from the boardwalk hide and so the construction of a new hide further out in the mudflat should improve the accuracy in the counts, especially the January count, in the future. In addition, low-tide counts in mid-winter period might provide supplementary information that is worthwhile to make an attempt of it. On the other hand, the total winter peak count is slightly lower than the same figures in previous winter (winter 2005-06: 59,469 birds, winter 2004-05: 60,994 birds), but this figure is still within the 'stabilised' range of 57,000 to 64,000 waterbirds. This figure would become more representative for comparing and providing a trend of the numbers of wintering waterbird.

Some waterbird species were recorded with new high numbers or increasing numbers such as Great Cormorant and Black-faced Spoonbill in winter 2005-06, while some other species are declining their numbers, e.g. Dalmatian Pelican, Common Shelduck and small waders including mainly Kentish Plover and Dunlin. These latter three species depend entirely or extensively on the mudflat of the Deep Bay area. Illegal mudskipper collectors were still found disturbing waterbirds in the mudflat area in Hong Kong side. More patrols and prosecutions are effective means to reduce this disturbance. Sedimentation problem is already being monitored and it is hoped that the nature of the problem and its effect to the waterbirds can both be identified.

Acknowledgements

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Figure

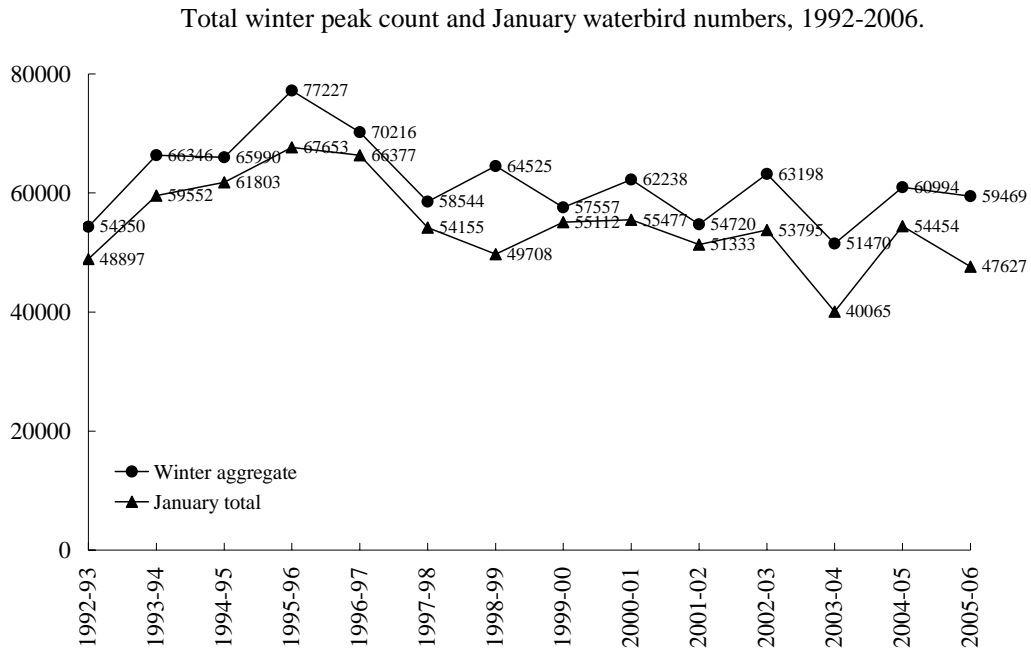


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Figure 1. Winter aggregate of species peak counts and mid-winter (January) waterbird counts, 1992-2006. Note: number of waterbird in winter 2003-04 was modified and details are referred to Anon. (2005).



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Maps

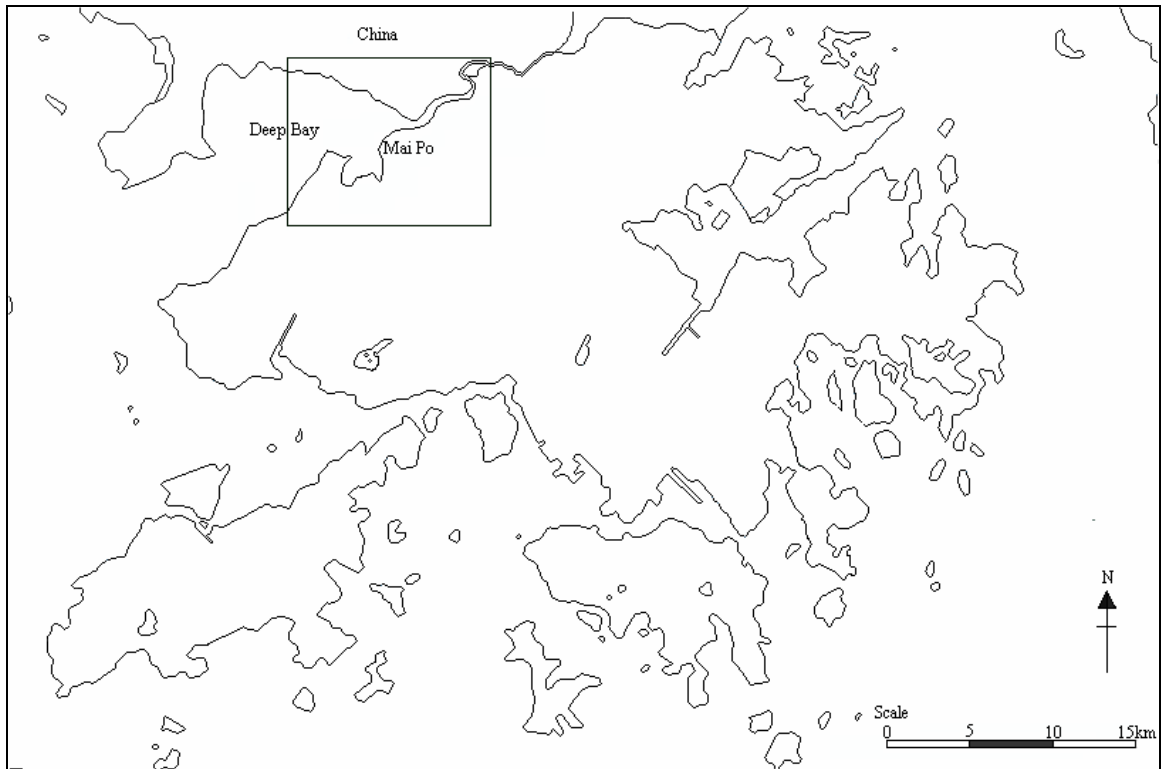


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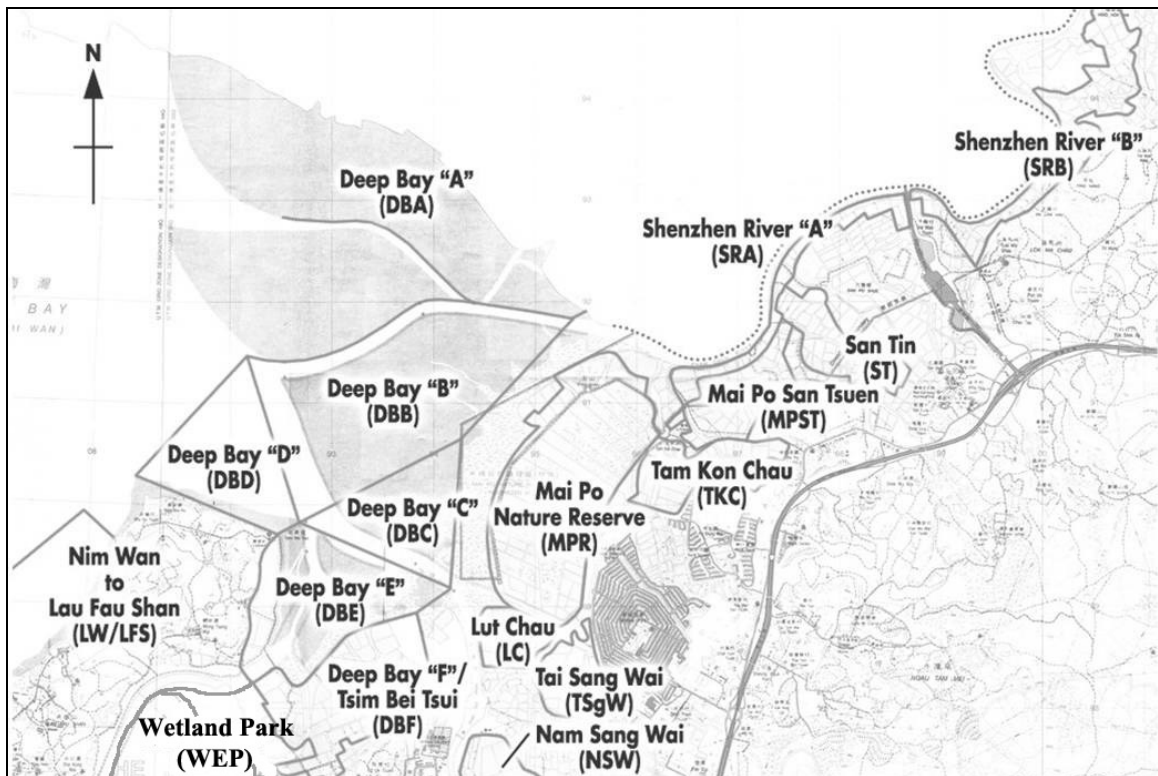


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Map 1. Map of Hong Kong showing location of the Mai Po Inner Deep Bay Ramsar Site



Map 2. Locations of some count areas of the Waterbird Monitoring Programme



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Appendices



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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			66	35	1	0	5	0	43	0	43	173		15
Kentish Plover				30													0	30	30	30	30		
Lesser Sand Plover																	0		0	0	0		
Greater Sand Plover				2													0	2	2	2	2		
Black-tailed Godwit																	376		376	376	376		
Bar-tailed Godwit				2													0	2	2	2	2		
Whimbrel			3	32													1	32	33	36	36		
Eurasian Curlew																	83		83	83	83		
Far Eastern Curlew				2													0	2	2	2	2		
Spotted Redshank																	64		64	64	64		
Common Redshank				5	1												347	1	348	353	353		
Marsh Sandpiper				26					72								1765		1765	1863	1863		
Common Greenshank				71					26								1210		1210	1307	1307		
Nordmann's Greenshank																	0		0	0	0		
Green Sandpiper	4	6						0			10	0	1	0	2	0	7	0	7	23	23		
Wood Sandpiper	17	9	171					2	37		0	0	1	5	0	1	10	0	11	243	243		
Terek Sandpiper																	2		2	2	2		
Common Sandpiper	5	7	7					6	1		14	12	8	0	6	2	41	0	43	68	68	2	
Grey-tailed Tattler																	0		0	0	0		
Ruddy Turnstone																	0		0	0	0		
Red-necked Phalarope																	0		0	0	0		1
Pintail Snipe																	0		0	0	0		
Swinhoe's Snipe																	0		0	0	0		
Pintail/Swinhoe's Snipe																	0		0	0	0		
Common Snipe		1							5						1	0		0	7	7	7		
Long-billed Dowitcher																	0		0	0	0		
Asian Dowitcher																	0		0	0	0		
Red Knot																	11		11	11	11		
Great Knot				1													11	1	12	12	12		
Sanderling																	0		0	0	0		
Red-necked Stint				25													0	25	25	25	25		
Little Stint																	0		0	0	0		
Temminck's Stint																	0		0	0	0		
Long-toed Stint																	0		0	0	0		
Pectoral Sandpiper																	0		0	0	0		
Sharp-tailed Sandpiper																	1		1	1	1		
Dunlin				30													0	30	30	30	30		
Curlew Sandpiper																	3		3	3	3		
Spoon-billed Sandpiper																	0		0	0	0		
Broad-billed Sandpiper				1													0	1	1	1	1		
Ruff																	0		0	0	0		
Small wader spp.																	0		0	0	0		
Wader sp.																	0		0	0	0		
Black-tailed Gull																	0		0	0	0		
Heuglin's Gull																	0		0	0	0		
Yellow-legged Gull																	0		0	0	0		
Slaty-backed Gull																	0		0	0	0		
Pallas's Gull																	0		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																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		

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		
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		

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		

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	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		

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		
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	33		3
Wood Sandpiper	3	14	129					2		4	0	0	0	2	17	1	4	0	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		
Slaty-backed Gull																0			0	0		

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																	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^											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		1		
Heuglin's Gull				12													0			12	12		
Yellow-legged Gull																	0			0	0		

