

Contract Ref.: AFCD/SQ/23/08/C

**Mai Po Inner Deep Bay Ramsar Site
Waterbird Monitoring Programme
2008 - 09**

**Monthly Waterbird Monitoring
Summer 2008 Report**



Submitted by
The Hong Kong Bird Watching Society Ltd.
Approved Charitable Institution of a Public Character
to Agriculture, Fisheries & 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.

Data Contributors

John ALLCOCK, Aukie AU, Fion CHEUNG, Gary CHOW, DONG Wenxiao, Forrest FONG, Vivian FU, Martin HALE, John and Jemi HOLMES, Tony HUNG, HUNG Wai-ming, Shirley LAM, Roger H. LEE, LEE Hok-fei, Mike LEVEN, Richard LEWTHWAITE, Karl NG, PANG Chun-chiu, SHUM Ting-wing, SUNG Yik-hei, Mike TURNBULL, Captain Lun-cheong WONG, YU Yat-tung, The Hong Kong Bird Watching Society Ltd., Shenzhen Bird Watching Society, Agriculture, Fisheries and Conservation Department

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Report available for public information

The Hong Kong Bird Watching Society Limited
14/F, Ruby Commercial Building, 480 Nathan Road
Yau Ma Tei, 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
Website: www.afcd.gov.hk

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 - Counts of waterbird in September 2008

Summer 2008 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

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

Monthly Waterbird Monitoring Summer 2008 Report

1. Introduction

Comprehensive counts of waterbirds in the Deep Bay area were first carried out as part of an Asian Waterbird Census first undertaken by the Hong Kong Bird Watching Society (HKBWS) in 1979. These continued in January every winter (excluding 1980) until 1992-93 when they were expanded to cover the winter period from November to March. With the establishment of the Mai Po Inner Deep Bay Ramsar Site, a monthly waterbird monitoring programme was developed which was coordinated and carried out by the HKBWS under the subvention by 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. Monthly summary reports are produced, while seasonal reports are produced bi-annually, i.e. a summer report covering the period from April to September, and the winter report from October to March. This report concerns the summer period of 2008 under contract reference no. AFCD/SQ/23/08 during the period 2008-09.

2. Methodology

The methodology used and the areas covered are described in detail in the *Waterbird Count Handbook* (Carey undated, Carey 2002, Map 1, Map 2). In general, it involves surveying specified areas and, where possible, recording birds to individual fishponds or *gei wai*. 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 to ensure as little double-counting as possible occurs. Counts occur on a rising tide, preferably one that comes to about 2.0 m. Higher counts of individual species 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.

3. Results

The waterbird counts were scheduled on 19th April, 11th May, 8th June, 20th July, 17th August and 14th September during the 2008 summer. All these counts could completely cover the whole Deep Bay area including the Mai Po Inner Deep Bay

Ramsar site, the Hong Kong Wetland Park at Tin Shui Wai and Futian National Nature Reserve at Shenzhen, China. The total numbers of waterbird recorded in the whole Deep Bay area were 28,666 (April), 6,359 (May), 2,500 (June), 3,363 (July), 5,332 (August), and 7,368 (September) (Figure 1), while the equivalent figures in the Mai Po Inner Deep Bay Ramsar Site were 17,458, 4,884, 1,147, 2,001, 3,493 and 4,534 (figure 2). Counts of the whole Deep Bay area and the Ramsar Site in April and August are the new high figures for those months since the commencement of the programme in 1998.

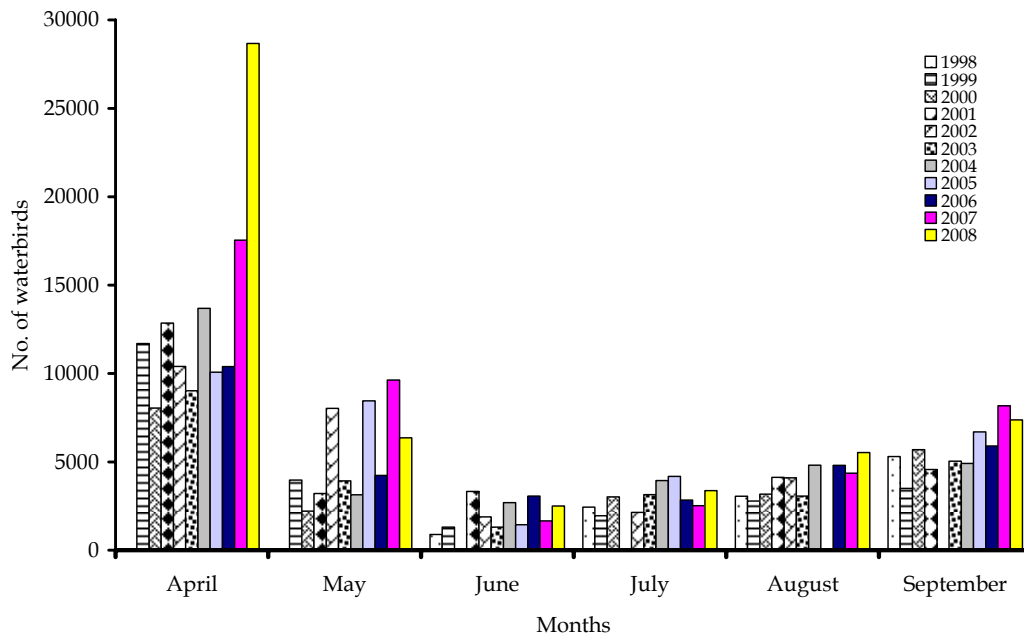


Figure 1. Waterbird numbers in summer in the Deep Bay area, 1998-2008.

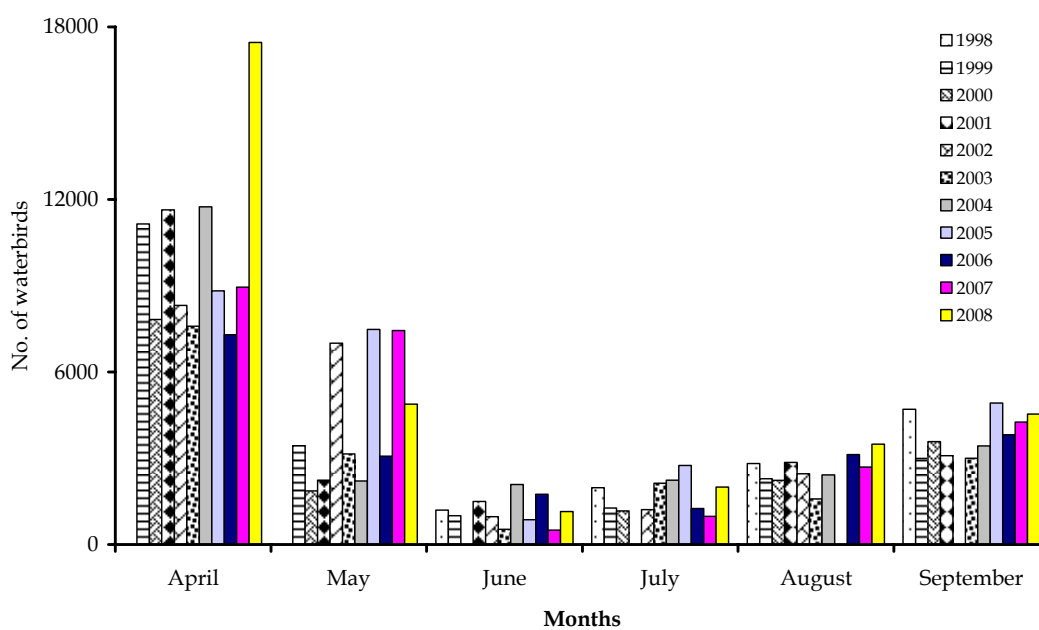


Figure 2. Waterbird numbers in summer in the Ramsar Site, 1998-2008.

All counts in summer months since 1999 are listed in Table 1a and 1b. Details of counts in summer 2008 were reported in the monthly summaries which are available from the Waterbird Monitoring Programme website at:

<http://www.hkbws.org.hk/waterbird/>

Summaries of each count are presented in Table 2-7. Discussion below refers to each waterbird species group.

3.1 Great Cormorant

No Great Cormorants *Phalacrocorax carbo* were recorded in the monthly waterbird count in 2008 summer.

3.2 Ardeids

In this summer, the peak count of Ardeids was 2,564 recorded in August and this high count was 18% higher than the previous year's peak count (2,164 birds in April 2007). Counts were lower in the early summer but increased afterwards and number remained over 2,000 individuals from June to September (figure 3). Little Egret *Egretta garzetta* was the most numerous species as 1,296 individuals were presented in the August count and Great Egret *Egretta alba* was the second commonest species with 816 recorded in the June count. The peak count of Chinese Pond Heron *Ardeola bacchus* was 260 presented in the September count. Ardeids comprised the largest group of the waterbird in the Deep Bay area, especially in the mid-summer period.

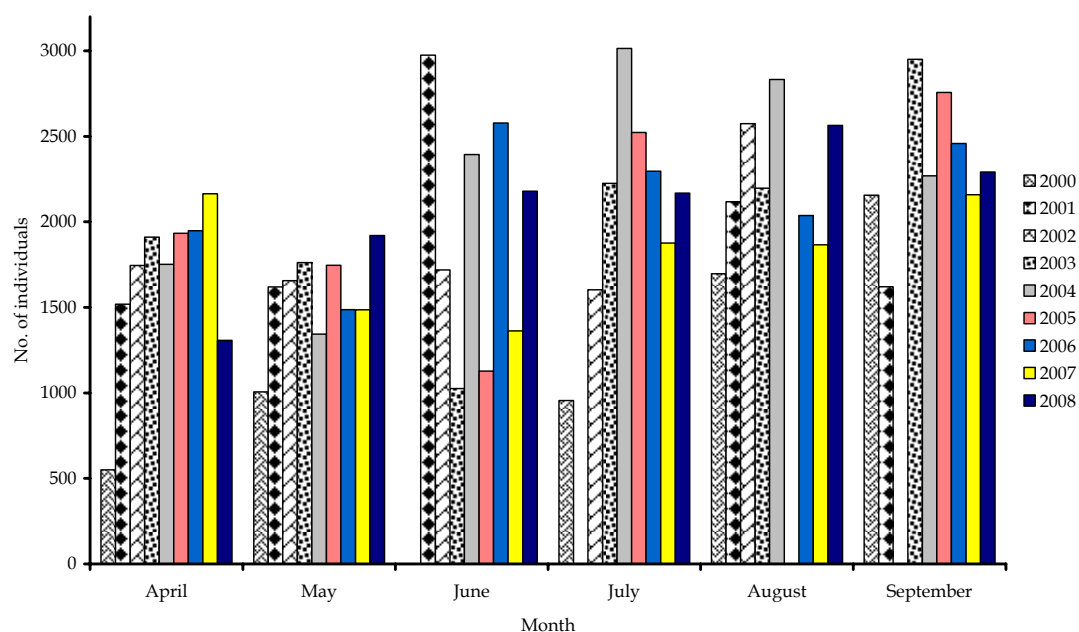


Figure 3. Numbers of Ardeids in the Deep Bay area in summer months (2000-2008).

An egret count was also undertaken in the summer to monitor ardeid breeding populations in Hong Kong under this Waterbird Monitoring Programme. Further details can be found in the Egret Report published later this year.

3.3 Ducks, Grebes, Pelicans

Numbers of this group were relatively low in this summer and the peak count was 292 recorded in the September count. As most of the ducks are only presenting in the Deep Bay area in winter, figures of this group in the summer months usually refer to the common resident Little Grebes *Tachybaptus ruficollis*. The highest count of the Little Grebe was 114 birds also recorded in the September count. Small numbers of Common Teals *Anas crecca*, Garganey *Anas querquedula* and Northern Shovelers *Anas clypeata* were presented in the April and September counts. However, no resident Spot-billed Duck *Anas poecilorhyncha* was recorded in this summer, indicating that it had become even scarcer. Figure 4 shows monthly figures of this group in summer since 2000.

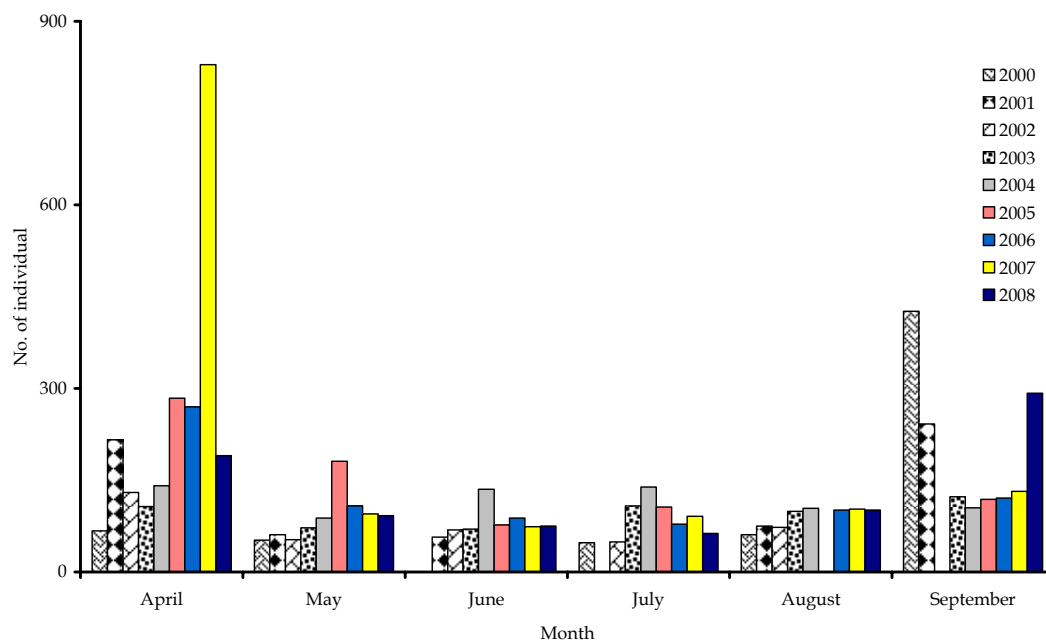


Figure 4. Numbers of Ducks and Grebes in the Deep Bay area in summer months (2000-08).

3.4 Rails and Coots

The peak count of this group was 173 individuals in the April count and numbers decreased below 100 and remained low in the other summer months. Figures were comprised almost totally from two common resident species: White-breasted Waterhens *Amaurornis phoenicurus* and Common Moorhens *Gallinula chloropus*, except only one Watercock *Gallicrex cinerea* recorded in the July count. Figure 5 shows the monthly numbers since 2000 and numbers of this group in this

summer are not in big difference to other years.

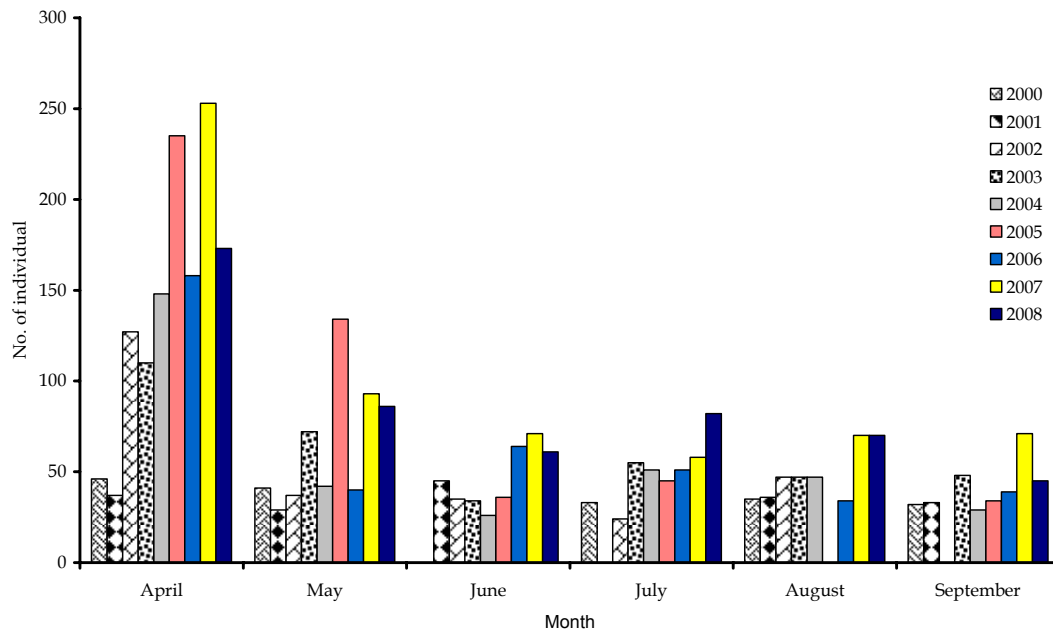


Figure 5. Numbers of Rails and Coots in the Deep Bay area in summer months (2000-08).

3.5 Shorebirds

Large number of shorebirds passes through Mai Po in spring and fewer numbers in the autumn. The summer waterbird counts could cover both of these periods and so shorebird is a major waterbird group presented in the counts. In summer 2008, a total of 26,723 shorebirds were recorded and this is a new high figure of this group in the April count. Such large number presented in the Mai Po area was thought to relate to the approach of a tropical cyclone Neoguri on 18 and 19 April. This figure has an increase of 89% from the previous year. In this count a total of 4,070 wintering Pied Avocet *Recurvirostra avosetta* still presented and 9,218 Curlew Sandpipers *Calidris ferruginea* were counted. The later is the second highest count in Hong Kong. In contrast, the May count was lower than the previous year. Shorebird numbers remained low in mid-summer period and Black-winged Stilt *Himantopus himantopus* and Greater Painted-snipe *Rostratula benghanlensis* are still breeding in the Mai Po Nature Reserve in this summer but this monthly count could not provide representative figures of them because the birds became secretive during the breeding period. The shorebird number increased again in August and September when the shorebirds start their south-bound migration. Figure of the August count was the new high of this group in the summer waterbird counts. More details of the numbers of the passage shorebirds are contained in the Shorebird Monitoring Report (Anon. 2008) and some details refer to figure 6.

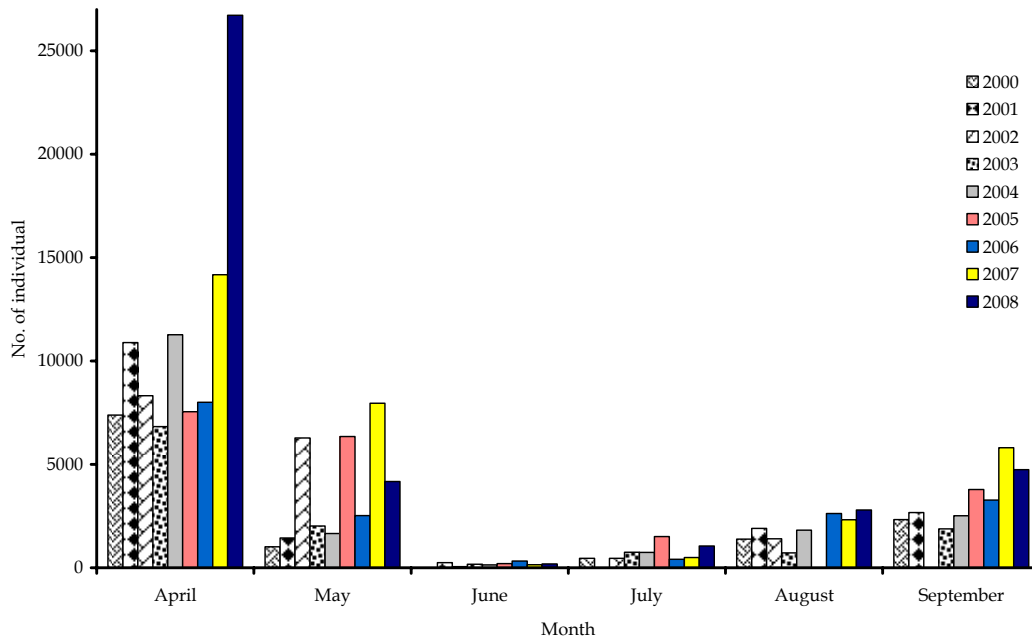


Figure 6. Numbers of Shorebirds in the Deep Bay area in summer months (2000-08).

3.6 Gulls and Terns

Number of this group reached a peak in the April count when comprised a total of 272 birds including a flock of 189 Gull-billed Terns *Sterna nilotica*. Subsequently, number decreased to 86 in the May count and no gulls or terns were recorded in June, July and September counts. This is a typical year for this group. Figure 7 illustrates the figures of this group since 2000.

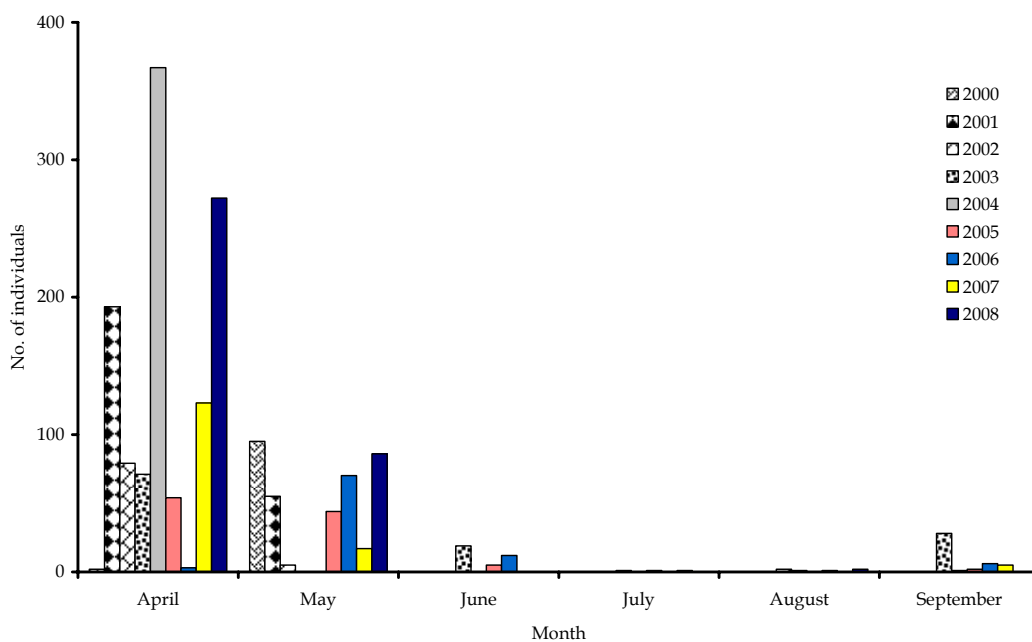


Figure 7. Numbers of Gulls and Terns in the Deep Bay area in summer months (2000-08).

3.7 Globally threatened species

Several globally threatened waterbird species were recorded in this summer period as follows:

Black-faced Spoonbill *Platalea minor* (globally endangered) – 62 in April, 37 in May, four in June, three in July, two in August and in September. Immature birds are now regularly staying in Mai Po over the summer.

Black-tailed Godwit *Limosa limosa* (globally near threatened) – 790 in April, 96 in May, six in June and July, 145 in August, 368 in September.

Far Eastern Curlew *Numenius madagascariensis* (globally near threatened) – 12 in April, one in May.

Nordmann's Greenshank *Tringa guttifer* (globally endangered) – two in April, one in May.

Asian Dowitcher *Limnodromus semipalmatus* (globally near threatened) – 55 in April, nine in May, two in July, 25 in August.

Spoon-billed Sandpiper *Eurynorhynchus pygmeus* (globally endangered) – one in April.

4. Discussion

In the previous summer waterbird numbers in the Ramsar Site were relatively low and it is encouraging to see some increase of that number in this summer. The April and August counts were also recorded as new high figures since the commencement of this project. The exceptionally high count in April was related to the weather condition. The increase in the August count was not very significant from the previous peak count. Weather was normal in the counting day and number of passage shorebird could fluctuate in large scale. Therefore the increase of the number could be genuine. Ardeids are the major group of waterbird present in the Deep Bay area in the summer time and recent shrink of egrettries within the Ramsar Site might have negative impacts on their numbers. However, this monthly count could not provide a clear picture of it and more details could be referred to the Egretty Count also under this monitoring programme. The number of waterbirds presented in summer is smaller but less fluctuated as the numbers in winter and the monthly numbers of this summer are typical comparing to other years.

5. Acknowledgements

Thank you for the following counters of the Hong Kong Bird Watching Society participated in the counts: John Allcock, Aukie Au, Fion Cheung, Gary Chow, Forrest Fong, Vivian Fu, Martin Hale, John and Jemi Holmes, Tony Hung, Hung Wai-ming, Shirley Lam, Apache Lau, Roger H. Lee, Lee Hok-fei, Mike Leven, Richard Lewthwaite, Karl Ng, Pang Chun-chiu, Shum Ting-wing, Sung Yik-hei, Mike Turnbull and Captain Lun-cheong Wong. We also thank Dong Wenxiao of Shenzhen Bird Watching Society (SZBWS) for arrangement of counts and SZBWS members for counting at Futian National Nature Reserve, AFCD for counting at the Hong Kong Wetland Park.

6. References

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Carey, G.J. 2002. Waterbird Count Handbook: A guide for participants in waterbird counts in Hong Kong. Hong Kong Bird Watching Society. Hong Kong.

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Maps

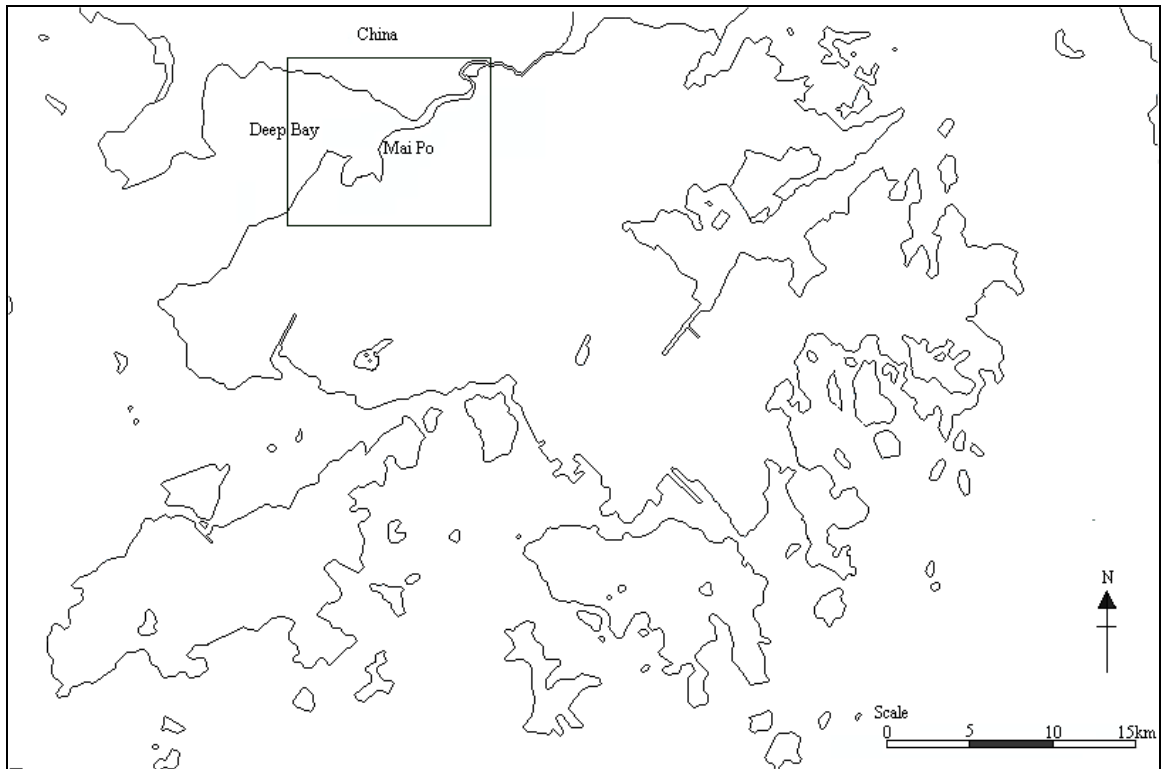


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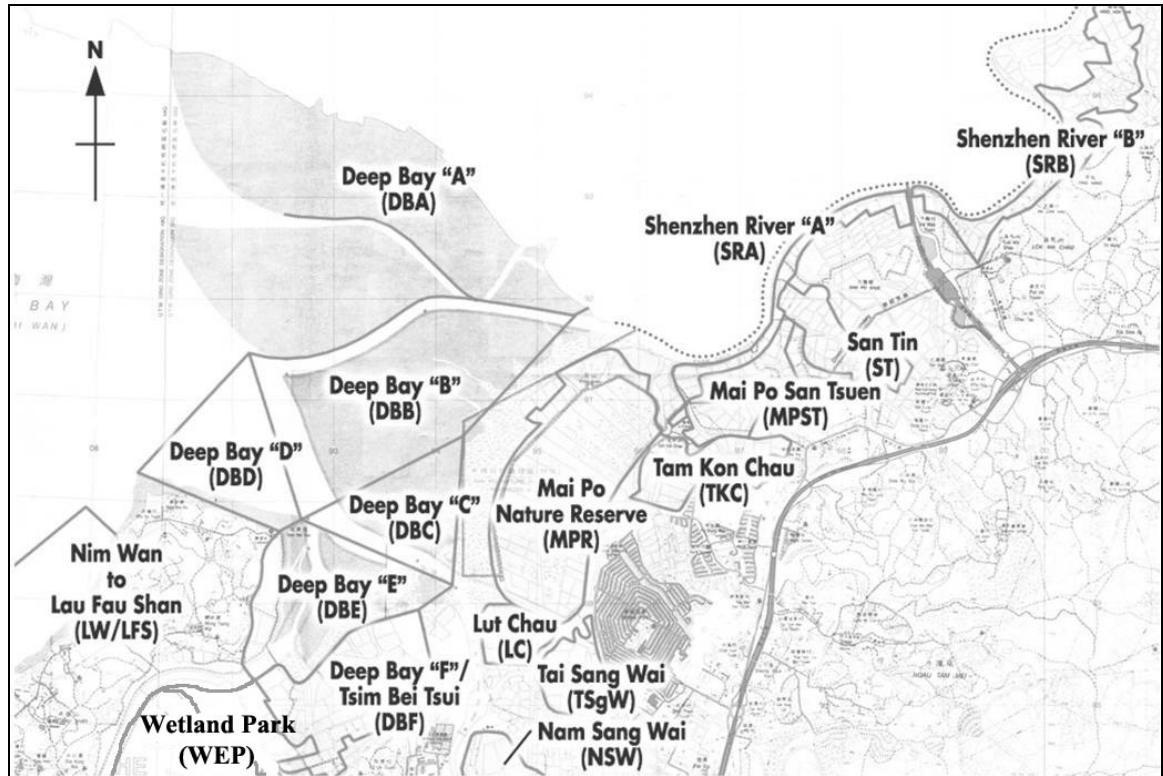


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Map 1. Map of Hong Kong showing location of the Mai Po Inner Deep Bay Ramsar Site



Map 2. Locations of count sites of the Waterbird Monitoring Programme



Summer 2008 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Tables



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Agriculture, Fisheries and Conservation Department

Table 1a. Numbers of waterbird in the whole Deep Bay area during summer months, 1999-2008.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean	SD
Apr	11686	8049	12858	10399	9019	13681	10067	10388	17545	28666	13236	6058
May	3973	2206	3201	8028	3925	3133	8455	4227	9630	6359	5314	2598
Jun	1307	nc	3324	1879	1313	2697	1445	3065	1657	2500	2008	833
Jul	1941	3020	nc	2135	3145	3945	4179	2835	2518	3363	2952	735
Aug	2784	3178	4124	4096	3060	4807	nc	4802	4361	5532	3979	927
Sep	3499	5689	4566	nc	5032	4916	6695	5899	8170	7368	5714	1385

Figure of mean and SD are calculated from the commencement of this programme in 1998 to the latest count. nc = no count.

Table 1b. Numbers of waterbird in the Ramsar Site during summer months, 1999-2008.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean	SD
April	11148	7826	11638	8319	7595	11748	8823	7301	8953	17458	10081	3086
May	3438	1862	2238	7000	3153	2302	7482	3069	7443	4884	4287	2246
June	999	nc	1500	967	527	2092	859	1748	501	1147	1153	508
July	1273	1173	nc	1217	2133	2237	2748	1255	980	2001	1699	592
Aug	2287	2232	2858	2463	1588	2420	nc	3125	2962	3493	2598	527
Sep	2994	3580	3087	nc	3001	3450	4920	3816	4262	4534	3835	729

Figure of mean and SD are calculated from the commencement of this programme in 1998 to the latest count. nc = no count.

Table 2. Summary of waterbird count for April 2008. SI: Starling Inlet

	Deep Bay Area	%	Ramsar Site	%	SI
Cormorants	0	0.0	0	0.0	0
Ardeids	1308	4.6	445	2.5	222
Ducks, grebes, pelicans	190	0.7	41	0.2	9
Rails and coot	173	0.6	28	0.2	14
Shorebirds	26273	93.2	16797	96.2	41
Gulls and terns	272	0.9	147	0.8	0
Total	28666	100	17458	100	286

Table 3. Summary of waterbird count for May 2008. SI: Starling Inlet

	Deep Bay Area	%	Ramsar Site	%	SI
Cormorants	0	0.0	0	0.0	0
Ardeids	1920	30.2	944	19.3	240
Ducks, grebes, pelicans	92	1.4	30	0.6	5
Rails and coot	86	1.4	19	0.4	6
Shorebirds	4175	65.7	3847	78.8	16
Gulls and terns	86	1.4	44	0.9	151
Total	6359	100	4884	100	418

Table 4. Summary of waterbird count for June 2008. SI: Starling Inlet

	Deep Bay Area	%	Ramsar Site	%	SI
Cormorants	0	0.0	0	0.0	0
Ardeids	2179	87.2	1053	91.8	375
Ducks, grebes, pelicans	75	3.0	26	2.3	5
Rails and coot	61	2.4	19	1.7	2
Shorebirds	185	7.4	49	4.3	0
Gulls and terns	0	0.0	0	0.0	20
Total	2500	100	1147	100	402

Table 5. Summary of waterbird count for July 2008. SI: Starling Inlet

	Deep Bay Area	%	Ramsar Site	%	SI
Cormorants	0	0.0	0	0.0	0
Ardeids	2169	64.5	1109	55.4	111
Ducks, grebes, pelicans	67	2.0	34	1.7	5
Rails and coot	78	2.3	18	0.9	1
Shorebirds	1049	31.2	840	42.0	0
Gulls and terns	0	0.0	0	0.0	0
Total	3363	100	2001	100	117

Table 6. Summary of waterbird count for August 2008. SI: Starling Inlet

	Deep Bay Area	%	Ramsar Site	%	SI
Cormorants	0	0.0	0	0.0	0
Ardeids	2564	46.3	1266	36.2	157
Ducks, grebes, pelicans	101	1.8	42	1.2	1
Rails and coot	70	1.3	28	0.8	2
Shorebirds	2795	50.5	2156	61.7	29
Gulls and terns	2	0.0	1	0.0	0
Total	5532	100	3493	100	189

Table 7. Summary of waterbird count for September 2008. SI: Starling Inlet

	Deep Bay Area	%	Ramsar Site	%	SI
Cormorants	0	0.0	0	0.0	0
Ardeids	2291	31.1	783	17.3	206
Ducks, grebes, pelicans	292	4.0	107	2.4	5
Rails and coot	45	0.6	11	0.2	1
Shorebirds	4740	64.3	3633	80.1	6
Gulls and terns	0	0.0	0	0.0	0
Total	7368	100	4534	100	218

Table 8. Numbers of waterbird species groups in whole Deep Bay area, summer 2008.

	April	May	June	July	August	September
Cormorants	0	0	0	0	0	0
Ardeids	1308	1920	2179	2169	2564	2291
Ducks, grebes, pelicans	190	92	75	67	101	292
Rails and coot	173	86	61	78	70	45
Shorebirds	26723	4175	185	1049	2795	4740
Gulls and terns	272	86	0	0	2	0

Summer 2008 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Appendices



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Summary of Waterbird Count, April 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	17	6	11					20			23	2	7	2	2	15	25	0	40	105		7
Great Crested Grebe			20													0			0	20		
Great Cormorant	0	0						0			0	0	0	0	0	0	0	0	0	0		
Dalmatian Pelican																0			0	0		
Grey Heron	0	1	1					0	16		0	0	0	9	1	38	9	0	47	66		12
Purple Heron																0			0	0		
Great Egret	1	2	139		3			9	6	6	9	5	1	2	0	42	19	3	64	225		64
Intermediate Egret	4	0	1	1				0	2		1	0	2	0	0	4	3	1	8	15		5
Little Egret	49	37	326	8	17			15	9		60	15	78	14	7	44	165	25	234	679		19
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	48	1	6		5			4	1	21	3	3	4	3	7	0	11	5	16	106		70
Chinese Pond Heron	6	2	49		10			4			12	2	4	2	3	2	17	10	29	96		1
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	1	53					0			1	0	2	1	0	0	4	0	4	58		50
Yellow Bittern	0	0						0	1		0	0	0	0	0	0	0	0	0	1		1
Cinnamon Bittern																0			0	0		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill	4	9	4								1	1		1		42	1		43	62		
Common Shelduck																0			0	0		
Eurasian Wigeon	0	0	10					0			0	0	0	0	0	1	0	0	1	11		
Falcated Duck																0			0	0		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	0	0						0	4		0	0	0	0	0	0	0	0	0	4		2
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail																0			0	0		
Garganey			20													0			0	20		
Northern Shoveler			30													0			0	30		
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	1	4					2	1		5	0	4	1	0	0	12	0	12	18		1
Watercock																0			0	0		
Common Moorhen	19	2	110	1				1	6		10	0	0	0	0	6	9	1	16	155		13
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana	1															0			0	1		
Greater Painted Snipe																0			0	0		
Black-winged Stilt			431													22			22	453		
Pied Avocet			2500	1570												0		1570	1570	4070		

Oriental Pratincole											23	9					0			0	32		
Northern Lapwing																	0			0	0		
Grey-headed Lapwing																	0			0	0		
Pacific Golden Plover			1														10			10	11		
Grey Plover																	38			38	38		
Common Ringed Plover																	0			0	0		
Little Ringed Plover	5	0	7					0			4	12	1	8	0	0	0	22	0	22	37		
Kentish Plover			4														1			1	5		
Lesser Sand Plover																	51			51	51		
Greater Sand Plover			1														62			62	63		
Black-tailed Godwit			94														696			696	790		
Bar-tailed Godwit			4														18			18	22		
Whimbrel																	6			6	6		
Eurasian Curlew																	28			28	28		
Far Eastern Curlew			1														12			12	13		
Spotted Redshank			554														819			819	1373		
Common Redshank			2832														707			707	3539		
Marsh Sandpiper			262														435			435	697		
Common Greenshank			580											18		1918	18		1936	2516		1	
Nordmann's Greenshank																	2			2	2		
Green Sandpiper	0	0					1			3	2	1	0	0	0	0	7	0	7	7			
Wood Sandpiper	72	10	261				1			0	6	3	0	0	29	25	0	54	382			12	
Terek Sandpiper															247			247	247				
Common Sandpiper	7	9	31				8	1		2	10	10	4	0	0	35	0	35	82				
Grey-tailed Tattler																	5			5	5		
Ruddy Turnstone																	10			10	10		
Red-necked Phalarope					1							6					2	6		8	9		25
Pintail Snipe																	0			0	0		
Swinhoe's Snipe																	0			0	0		
Pintail/Swinhoe's Snipe																	0			0	0		
Common Snipe			1	23													0			0	24		
Long-billed Dowitcher																	2			2	2		
Asian Dowitcher																	55			55	55		
Red Knot																	9			9	9		
Great Knot			1														16			16	17		1
Sanderling																	0			0	0		
Red-necked Stint			8														733			733	741		
Little Stint																	2			2	2		
Temminck's Stint			15										1		0	1			1	16			
Long-toed Stint	14		13														8			8	35		
Pectoral Sandpiper																	1			1	1		
Sharp-tailed Sandpiper			1														18			18	19		2
Dunlin																	1			1	1		
Curlew Sandpiper			206														9012			9012	9218		
Spoon-billed Sandpiper																	1			1	1		
Broad-billed Sandpiper																	137			137	137		
Ruff																	0			0	0		
Small wader spp.																	0			0	0		
Wader sp.			1956														0			0	1956		
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	66				0			0	0	0	0	0	0	17	0	0	17	83			
Saunders's Gull																	0			0	0		

Whiskered Tern																		0			0	0			
White-winged Tern																			0			0	0		
Gull-billed Tern											2	8	16	33				130			130	189			
Caspian Tern																		0			0	0			
Little Tern																		14			14	14			
Total	247	82	10636	1581	35	combine with DBC	Combone with DBC	65	47	27	159	75	139	99	20	15454	389	1615	17458	28666	0	286			
	Deep Bay Area	%	Ramsar Site	%	SW	SI																			
Cormorants	0	0.0	0	0.0	0	0																			
Ardeids etc	1308	4.6	445	2.5	0	222																			
Ducks, grebes, pelicans	190	0.7	41	0.2	0	9																			
Rails, Coot etc	173	0.6	28	0.2	0	14																			
Waders	26723	93.2	16797	96.2	0	41																			
Gulls and terns	272	0.9	147	0.8	0	0																			
TOTAL	28666		17458		0	286																			

Date of count: 19 April 2008 (except Wetland Park on 20 Apr 2008)

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

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

% = count made at evening roost

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			1									1				1			1	3		
Black Kite	0	0	2					2			1	1	1	0	2	2	3	0	5	11		
White-bellied Sea Eag																0			0	0		
Eastern Marsh Harrier																0			0	0		
Common Buzzard																0			0	0		
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon																0			0	0		
Pied Kingfisher	0	0	5					1			1	1	2	0	0	0	4	0	4	10		1
Common Kingfisher	0	2	3					0			4	1	2	0	0	0	5	0	5	12		1
White-throated Kingfisher	0	0	2					1			0	0	0	0	0	0	1	0	1	3		1
Black-capped Kingfisher	0	0	1					0			0	0	0	0	0	0	0	0	0	1		
Red-billed Starling	0	0						0			0	0	0	0	0	0	0	0	0	0		
Collared Crow	0	0	7					0			0	6	1	0	0	0	7	0	7	14		

Summary of Waterbird Count, May 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	25	13	1					12			7	0	9	2	9	13	17	0	30	91		5
Great Crested Grebe																0			0	0		
Great Cormorant	0	0						0			0	0	0	0	0	0	0	0	0	0		
Dalmatian Pelican																0			0	0		
Grey Heron	1	0	1					2	3	1	0	3	0	0	1	4	5	0	9	16		
Purple Heron																0			0	0		
Great Egret	4	15	250	66	4	5	47	106	1	8	13	8	44	6	2	73	166	124	363	652		98
Intermediate Egret	6	0		2				0	4		0	0	0	0	0	6	0	2	8	18		1
Little Egret	9	24	288	116	2	4	38	69	2		29	24	49	22	13	55	172	165	392	744		36
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	16	11	32					10	2		0	10	4	39	20	12	70	0	82	156		38
Chinese Pond Heron	10	5	61				1	5	1	3	9	7	5	5	7	4	26	1	31	123		4
Striated Heron	0	0						0			0	1	1	1	0	2	3	0	5	5		
B-c Night Heron	3	10	129	2				2	1	1	0	2	6	2	0	5	11	2	18	163		63
Yellow Bittern	3	0						0	2		0	0	0	0	0	1	0	0	1	6		
Cinnamon Bittern																0			0	0		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill			32*	2					2							33		2	35	37		
Common Shelduck																0			0	0		
Eurasian Wigeon	1	0						0			0	0	0	0	0	0	0	0	0	1		
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	3	5	9		1			3	3	2	0	1	0	0	0	8	4	1	13	35		3
Watercock																0			0	0		
Common Moorhen	1	0	37					0	4		2	0	0	0	1	6	0	0	6	51		3
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana									1							0			0	1		1
Greater Painted Snipe																1			1	1		
Black-winged Stilt			5													92			92	97		
Pied Avocet			4													984			984	988		

Oriental Pratincole																0			0	0		
Northern Lapwing																0			0	0		
Grey-headed Lapwing																0			0	0		
Pacific Golden Plover																0			0	0		
Grey Plover																21			21	21		
Common Ringed Plover																0			0	0		
Little Ringed Plover	4	1	8				0	2	1	0	0	0	0	0	0	0	0	0	0	0	16	
Kentish Plover									1							1			1	2		
Lesser Sand Plover																11			11	11		
Greater Sand Plover			3													86			86	89		
Black-tailed Godwit			51													45			45	96		
Bar-tailed Godwit																7			7	7		
Whimbrel																27			27	27		
Eurasian Curlew			6													40			40	46		
Far Eastern Curlew																1			1	1		
Spotted Redshank			2													406			406	408		
Common Redshank			110													342			342	452		
Marsh Sandpiper																5			5	5		
Common Greenshank			16					14								930			930	960		
Nordmann's Greenshank																1			1	1		
Green Sandpiper	0	0					0			0	0	0	0	0	0	0	0	0	0	0		
Wood Sandpiper	4	0	9				0			0	0	1	0	0	19	1	0	20	33			
Terek Sandpiper			2												202			202	204			
Common Sandpiper	7	6	9				0	2	9	4	8	0	1	2	4	11	0	15	52		3	
Grey-tailed Tattler									27						1			1	28			12
Ruddy Turnstone															14			14	14			
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															9			9	9			
Red Knot															16			16	16			
Great Knot															6			6	6			
Sanderling															1			1	1			
Red-necked Stint			20												97			97	117			
Little Stint															0			0	0			
Temminck's Stint															0			0	0			
Long-toed Stint															0			0	0			
Pectoral Sandpiper															1			1	1			
Sharp-tailed Sandpiper															29			29	29			
Dunlin															0			0	0			
Curlew Sandpiper															427			427	427			
Spoon-billed Sandpiper															0			0	0			
Broad-billed Sandpiper															9			9	9			
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	17				0			0	0	0	0	0	0	0	0	0	17			

Summary of Waterbird Count, June 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	36	2	2					7			7	0	9	3	2	7	19	0	26	75		5
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	4	0			2			0	2		0	0	0	1	0	1	1	2	4	10		
Purple Heron																0			0	0		
Great Egret	39	6	232	215	75			39	2	6	19	25	49	29	3	77	123	290	490	816	51	183
Intermediate Egret	1	0						0	1		3	0	0	0	0	17	3	0	20	22		
Little Egret	30	6	390	260	37			21	1	13	17	34	17	59	10	48	138	297	483	943	26	54
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	38	44	54		4			4			0	0	0	0	0	4	0	4	8	148		60
Chinese Pond Heron	9	4	21					3	6	2	7	4	9	7	11	11	24	0	35	94	1	3
Striated Heron	0	1	3					0			0	0	0	0	0	0	0	0	0	4		
B-c Night Heron	6	3	91					1	1	2	2	3	2	5	9	0	11	0	11	125	16	74
Yellow Bittern	3	0	2					1	5		0	0	0	0	1	1	0	0	1	13		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			3		1											0		1	1	4		
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	5	1	5		2			0	6	3	1	1	5	0	2	9	8	2	19	40		2
Watercock																0			0	0		
Common Moorhen	0	0	18					0			3	0	0	0	0	0	0	0	0	21		
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana																0			0	0		
Greater Painted Snipe																0			0	0		
Black-winged Stilt			4									3			1	14	3		17	22		
Pied Avocet			120													0			0	120		

Oriental Pratincole																0			0	0
Northern Lapwing																0			0	0
Grey-headed Lapwing																0			0	0
Pacific Golden Plover																0			0	0
Grey Plover																0			0	0
Common Ringed Plover																0			0	0
Little Ringed Plover	6	0	2				0			0	0	0	0	0	0	0	0	0	0	8
Kentish Plover																0			0	0
Lesser Sand Plover																0			0	0
Greater Sand Plover																0			0	0
Black-tailed Godwit																6			6	6
Bar-tailed Godwit																0			0	0
Whimbrel																0			0	0
Eurasian Curlew					10											0		10	10	10
Far Eastern Curlew																0			0	0
Spotted Redshank																0			0	0
Common Redshank																0			0	0
Marsh Sandpiper																0			0	0
Common Greenshank																0			0	0
Nordmann's Greenshank																0			0	0
Green Sandpiper	0	0					0			0	0	0	0	0	0	0	0	0	0	0
Wood Sandpiper	0	0					0			0	0	0	0	0	0	0	0	0	0	0
Terek Sandpiper																15			15	15
Common Sandpiper	0	0	3				0			0	0	0	1	0	0	1	0	1	0	4
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																0			0	0
Spoon-billed Sandpiper																0			0	0
Broad-billed Sandpiper																0			0	0
Ruff																0			0	0
Small wader spp.																0			0	0
Wader sp.																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	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			15
White-winged Tern																0		0	0			5
Gull-billed Tern																0		0	0			
Caspian Tern																0		0	0			
Total	177	67	950	475	131	Combined to DBC	Combined to DBC	76	24	26	59	70	91	105	39	210	331	606	1147	2500	94	402
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	0	0.0	0	0.0	0	0																
Ardeids etc	2179	87.2	1053	91.8	94	375																
Ducks, grebes, pelicans	75	3.0	26	2.3	0	5																
Rails, Coot etc	61	2.4	19	1.7	0	2																
Waders	185	7.4	49	4.3	0	0																
Gulls and terns	0	0.0	0	0.0	0	20																
TOTAL	2500		1147		94	402																
Date of count: 8 June 2008																						
n/c = site not counted																						
High tide measured at TBT:																						
# indicates count consists of or includes a count made up to one week either side of the count date																						
% = count made at evening roost																						
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															1	1			1	2		
Black Kite	0	0						3			1	1	0	0	2	3	2	0	5	10	24	
White-bellied Sea Eag																0			0	0	2	
Eastern Marsh Harrier																0			0	0		
Common Buzzard																0			0	0		
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon																0			0	0		
Pied Kingfisher	0	1	9					0	3		0	0	0	0	0	3	0	0	3	16		
Common Kingfisher	0	2	3					0		1	1	0	0	0	1	1	0	0	1	9	1	
White-throated Kingfisher	0	0						1		1	0	0	0	0	0	0	0	0	0	2	1	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	3	
Collared Crow	3	0	8					0	1		1	14	0	0	1	6	14	0	20	34	2	

Summary of Waterbird Count, July 2008

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	17	5						7		1	12	1	7	0	1	12	18	0	30	63		5
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	18	0				5	1	0		1	0	0	0	9	0	4	9	6	19	38		
Purple Heron																0			0	0		
Great Egret	71	5	137	11	31	27	23	49	11	2	7	3	4	0	15	149	62	94	305	545		45
Intermediate Egret	0	0						0			0	0	0	20	0	14	20	0	34	34		
Little Egret	25	19	413	3	13	16	60	317	56		22	24	47	0	40	108	390	105	603	1163		13
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	7	1	22	2				0			1	0	0	15	0	37	15	2	54	85		30
Chinese Pond Heron	15	13	25					9	5		21	19	15	1	19	6	56	0	62	148		3
Striated Heron	0	0	2					0			0	2	0	1	0	6	3	0	9	11		
B-c Night Heron	8	10	98				3	1			2	1	4	0	4	7	9	3	19	138		20
Yellow Bittern	0	0						1		2	0	0	0	0	0	1	0	0	1	4		
Cinnamon Bittern																0			0	0		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill																3			3	3		
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	4	0	0	4	0	4	4		
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail																0			0	0		
Garganey																0			0	0		
Northern Shoveler																0			0	0		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck																0			0	0		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.																0			0	0		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	12	5	10				1	3	1	8	5	2	3	0	3	7	10	1	18	60		1
Watercock	1															0			0	1		
Common Moorhen	0	0	16					0			1	0	0	0	0	0	0	0	0	17		
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana																0			0	0		
Greater Painted Snipe																0			0	0		
Black-winged Stilt	3		22												5	4			4	34		
Pied Avocet			12													0			0	12		

Oriental Pratincole																0			0	0		
Northern Lapwing																0			0	0		
Grey-headed Lapwing																0			0	0		
Pacific Golden Plover																0			0	0		
Grey Plover																10			10	10		
Common Ringed Plover																0			0	0		
Little Ringed Plover	30	0	56				0			0	0	0	0	0	0	0	0	0	0	0	86	
Kentish Plover			5													0			0	5		
Lesser Sand Plover																0			0	0		
Greater Sand Plover			2													1			1	3		
Black-tailed Godwit																6			6	6		
Bar-tailed Godwit																1			1	1		
Whimbrel																0			0	0		
Eurasian Curlew																60			60	60		
Far Eastern Curlew																0			0	0		
Spotted Redshank																0			0	0		
Common Redshank			8													416			416	424		
Marsh Sandpiper																7			7	7		
Common Greenshank																291			291	291		
Nordmann's Greenshank																0			0	0		
Green Sandpiper	1	0					0			0	0	0	0	0	0	0	0	0	0	1		
Wood Sandpiper	7	2	24				0		9	0	0	0	1	0	20	7	0	27	63			
Terek Sandpiper																8			8	8		
Common Sandpiper	4	2	6				2	0	1		0	2	2	0	7	0	4	2	6	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																2			2	2		
Red Knot																0			0	0		
Great Knot																1			1	1		
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																0			0	0		
Spoon-billed Sandpiper																0			0	0		
Broad-billed Sandpiper																0			0	0		
Ruff																0			0	0		
Small wader spp.																0			0	0		
Wader sp.			9													0			0	9		
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																	0			0	0		
Caspian Tern																	0			0	0		
Total	219	62	867	16	44	48	90	387	74	23	71	54	82	51	94	1181	607	213	2001	3363	0	117	
	Deep Bay Area	%	Ramsar Site	%	SW	SI																	
Cormorants	0	0.0	0	0.0	0	0																	
Ardeids etc	2169	64.5	1109	55.4	0	111																	
Ducks, grebes, pelicans	67	2.0	34	1.7	0	5																	
Rails, Coot etc	78	2.3	18	0.9	0	1																	
Waders	1049	31.2	840	42.0	0	0																	
Gulls and terns	0	0.0	0	0.0	0	0																	
TOTAL	3363		2001		0	117																	
Date of count: 20 Jul 2008																							
n/c = site not counted High tide measured at TBT:																							
# indicates count consists of or includes a count made up to one week either side of the count date																							
% = count made at evening roost																							
Wetland-dependant 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	
Species																							
Osprey										1						0			0	1			
Black Kite	3	2						0			0	1	0	0	4	0	1	0	1	10			
White-bellied Sea Eag																0			0	0			
Eastern Marsh Harrier																0			0	0			
Common Buzzard																0			0	0			
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0			
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0			
Peregrine Falcon																0			0	0			
Pied Kingfisher	2	6	5					0	2		0	0	1	1	1	1	2	0	3	19			
Common Kingfisher	1	7	1					4		3	2	0	2	1	1	3	7	0	10	25			
White-throated Kingfisher	1	2	5	1		2	1	6	5	4	0	3	3	0	4	6	11	4	21	43		1	
Black-capped Kingfisher	0	0						0			0	0	0	0	0	0	0	0	0	0			
Red-billed Starling	0	0						0	12		0	0	0	0	0	0	0	0	0	12			
Collared Crow	0	0	5					0		2	0	18	4	0	0	0	22	0	22	29			

Summary of Waterbird Count, August 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	20	12						12	2		20	1	18	1	9	6	36	0	42	101		1
Great Crested Grebe																0			0	0		
Great Cormorant	0	0						0			0	0	0	0	0	0	0	0	0	0		
Dalmatian Pelican																0			0	0		
Grey Heron	1	0			1	3	7	6	1		0	0	0	0	0	10	0	11	21	29		
Purple Heron																0			0	0		
Great Egret	17	11	248	3	35	11	73	9	1	7	8	5	4	21	7	101	45	122	268	561		104
Intermediate Egret	3	0				23	3	0			0	0	0	0	0	3	0	26	29	32		
Little Egret	16	20	453	4	52	42	139	100	3	23	20	22	29	40	14	319	205	237	761	1296		37
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	5	4						40			3	0	1	0	0	5	43	0	48	58		
Chinese Pond Heron	43	8	29			7	3	7	3	3	21	12	33	13	24	12	81	10	103	218		2
Striated Heron	0	0						0			0	0	0	0	0	4	0	0	4	4		
B-c Night Heron	1	5	320					3			5	2	4	3	6	12	17	0	29	361		14
Yellow Bittern	0	0						1	2		0	0	0	0	0	0	1	0	1	3		
Cinnamon Bittern																0			0	0		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill																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	10	9					1	3	5	1	4	0	2	4	4	6	15	1	22	49		2
Watercock																0			0	0		
Common Moorhen	0	0	12					1			8	0	0	0	0	0	6	0	6	21		
Eurasian Coot																0			0	0		
Pheasant-tailed Jacana																0			0	0		
Greater Painted Snipe																2			2	2		
Black-winged Stilt	1		24											6		23	6		29	54		
Pied Avocet			1													0			0	1		

Oriental Pratincole																0		0	0		
Northern Lapwing																0		0	0		
Grey-headed Lapwing																0		0	0		
Pacific Golden Plover																1		1	1		
Grey Plover																0		0	0		
Common Ringed Plover																0		0	0		
Little Ringed Plover	69	1	40				0	13		0	0	3	10	0	1	16	0	17	137		
Kentish Plover																0		0	0		
Lesser Sand Plover																2		2	2		
Greater Sand Plover																288		288	288		
Black-tailed Godwit																145		145	145		
Bar-tailed Godwit																0		0	0		
Whimbrel			3	1												129	1	130	133		
Eurasian Curlew																82		82	82		
Far Eastern Curlew																0		0	0		
Spotted Redshank																6		6	6		
Common Redshank	1		2													302		302	305		
Marsh Sandpiper																51		51	51		
Common Greenshank			65				5									830		830	900		
Nordmann's Greenshank																0		0	0		
Green Sandpiper	1	4	3				0	3		0	0	0	0	0	0	0	0	0	11		
Wood Sandpiper	126	1	160				0	68		0	0	0	3	0	105	4	0	109	463		
Terek Sandpiper																35		35	35		
Common Sandpiper	11	4	25			2	1	5	8		6	3	8	2	7	4	27	3	34	86	4
Grey-tailed Tattler																5		5	5		
Ruddy Turnstone																0		0	0		
Red-necked Phalarope																0		0	0		
Pintail Snipe																1		1	1		
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																25		25	25		
Red Knot																1		1	1		
Great Knot																3		3	3		
Sanderling																0		0	0		
Red-necked Stint																10		10	10		
Little Stint																0		0	0		
Temminck's Stint																0		0	0		
Long-toed Stint																4		4	4		
Pectoral Sandpiper																0		0	0		
Sharp-tailed Sandpiper																1		1	1		
Dunlin																0		0	0		
Curlew Sandpiper																38		38	38		
Spoon-billed Sandpiper																0		0	0		
Broad-billed Sandpiper																4		4	4		
Ruff																1		1	1		
Small wader spp.																0		0	0		25
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	1				0			0	0	0	0	0	0	0	0	0	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																	1		1	1		
Total	325	79	1386	8	88	88	227	187	114	34	95	45	102	103	71	2580	502	411	3493	5532	0	189
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	0	0.0	0	0.0	0	0																
Ardeids etc	2564	46.3	1266	36.2	0	157																
Ducks, grebes, pelicans	101	1.8	42	1.2	0	1																
Rails, Coot etc	70	1.3	28	0.8	0	2																
Waders	2795	50.5	2156	61.7	0	29																
Gulls and terns	2	0.0	1	0.0	0	0																
TOTAL	5532		3493		0	189																

Date of count: 17 Aug 2008

n/c = site not counted

High tide measured at TBT:

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

% = count made at evening roost

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																0			0	0		
Black Kite	2	2						0			0	2	1	0	1	3	3	0	6	11		
White-bellied Sea Eag																0			0	0		
Eastern Marsh Harrier																0			0	0		
Common Buzzard																0			0	0		
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon																0			0	0		
Pied Kingfisher	1	3	2					0	1		1	0	0	0	1	0	1	0	1	9		
Common Kingfisher	5	5	2					5	1		4	1	5	4	8	7	18	0	25	47		3
White-throated Kingfisher	4	2	2				2	3	3	2	1	0	6	1	3	5	11	2	18	34		
Black-capped Kingfisher	0	0	1					0			0	0	0	0	0	1	0	0	1	2		
Red-billed Starling	0	0						0	0		0	0	0	0	8	0	0	0	0	8		
Collared Crow	0	0						2			0	18	0	0	0	2	20	0	22	22		

Summary of Waterbird Count, September 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	25	11	5					12	4		22	0	14	6	6	9	40	0	49	114		5
Great Crested Grebe																0		0	0	0		
Great Cormorant	0	0						0			0	0	0	0	0	0	0	0	0	0		
Dalmatian Pelican																0		0	0	0		
Grey Heron	31	4	37		5			27	1		3	10	1	6	0	46	33	5	84	171	2	1
Purple Heron																0		0	0	0		
Great Egret	68	9	267		32			45	6	5	15	24	37	3	7	36	93	57	186	554	46	128
Intermediate Egret	14	0						0	1		0	0	1	2	0	6	3	0	9	24		2
Little Egret	83	33	467		49			116	88	42	79	31	43	22	25	43	283	49	375	1121	19	70
Swinhoe's Egret																0		0	0	0		
Pacific Reef Egret																0		0	0	0		
Cattle Egret	0	1						9			0	3	0	1	9	0	13	0	13	23	11	5
Chinese Pond Heron	32	29	69					10	13		29	8	12	24	27	7	80	0	87	260	6	
Striated Heron	1	0						0			0	0	0	1	0	1	2	0	3	3		
B-c Night Heron	2	1	101					3			2	0	0	4	0	14	9	0	23	127	8	
Yellow Bittern	0	0	2					0	2		0	0	0	1	1	0	1	0	1	6		
Cinnamon Bittern																0		0	0	0		
Great Bittern																0		0	0	0		
Black Stork																0		0	0	0		
Black-headed Ibis																0		0	0	0		
Eurasian Spoonbill																0		0	0	0		
Black-faced Spoonbill																2		2	2	2		
Common Shelduck																0		0	0	0		
Eurasian Wigeon	0	0						0			0	0	0	0	0	0	0	0	0	0		
Falcated Duck																0		0	0	0		
Gadwall																0		0	0	0		
Baikal Teal																0		0	0	0		
Common Teal	0	0						0			0	0	0	0	0	17	0	0	17	17		
Mallard																0		0	0	0		
Spot-billed Duck																0		0	0	0		
Chinese Spotbill																0		0	0	0		
Burmese Spotbill																0		0	0	0		
Northern Pintail																0		0	0	0		
Garganey																41		41	41	41		
Northern Shoveler																0		0	0	0		
Common Pochard																0		0	0	0		
Baer's Pochard																0		0	0	0		
Tufted Duck																0		0	0	0		
Greater Scaup																0		0	0	0		
Red-breasted Merganser																0		0	0	0		
Duck sp.			120													0		0	120	120		
Slaty-breasted Rail																0		0	0	0		
Water Rail																0		0	0	0		
White-breasted Waterhen	5	3	2					1	2	1	1	0	2	1	7	3	7	0	10	28		1
Watercock																0		0	0	0		
Common Moorhen	0	0	16					1			0	0	0	0	0	0	1	0	1	17		
Eurasian Coot																0		0	0	0		
Pheasant-tailed Jacana																0		0	0	0		
Greater Painted Snipe																0		0	0	0		
Black-winged Stilt	16		378					3	7		1	13		1	8	42	18	60	469		2	
Pied Avocet																0		0	0	0		

Oriental Pratincole												1		0	1		1	1		
Northern Lapwing														0			0	0		
Grey-headed Lapwing														0			0	0		
Pacific Golden Plover														0			0	0		
Grey Plover														0			0	0		
Common Ringed Plover														0			0	0		
Little Ringed Plover	34	12	12				6			4	0	3	0	3	0	16	0	16	74	
Kentish Plover														0			0	0		
Lesser Sand Plover														0			0	0		
Greater Sand Plover			1											3			3	4	1	
Black-tailed Godwit														368			368	368		
Bar-tailed Godwit														0			0	0		
Whimbrel			7											91			91	98		
Eurasian Curlew			3											107			107	110		
Far Eastern Curlew														0			0	0		
Spotted Redshank														58			58	58		
Common Redshank			97											258			258	355		
Marsh Sandpiper	2		3											889			889	894		
Common Greenshank	2		53				156						1	1444			1444	1656		
Nordmann's Greenshank														0			0	0		
Green Sandpiper	7	2				0	2		0	0	1	2	0	0	3	0	3	14		
Wood Sandpiper	94	9	98			0	58		3	0	0	1	0	249	11	0	260	512		
Terek Sandpiper														6			6	6		
Common Sandpiper	7	5	13			2	5		7	6	5	4	19	1	24	0	25	74	6	4
Grey-tailed Tattler														2			2	2		
Ruddy Turnstone														0			0	0		
Red-necked Phalarope														0			0	0		
Pintail Snipe														2			2	2		
Swinhoe's Snipe														0			0	0		
Pintail/Swinhoe's Snipe	1													0	1		1	1		
Common Snipe	2													0			0	2		
Long-billed Dowitcher														0			0	0		
Asian Dowitcher														0			0	0		
Red Knot														0			0	0		
Great Knot														35			35	35		
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														3			3	3		
Spoon-billed Sandpiper														0			0	0		
Broad-billed Sandpiper														0			0	0		
Ruff														1			1	1		
Small wader spp.														0			0	0		
Wader sp.			1											0			0	1		
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																		0			0	0		
Gull-billed Tern																		0			0	0		
Caspian Tern																		0			0	0		
Total	426	119	1752	0	86	combined to DBC	combine to DBC	235	345	48	166	95	119	80	113	3784	639	111	4534	7368	99	218		
	Deep Bay Area	%	Ramsar Site	%	SW	SI																		
Cormorants	0	0.0	0	0.0	0	0																		
Ardeids etc	2291	31.1	783	17.3	92	206																		
Ducks, grebes, pelicans	292	4.0	107	2.4	0	5																		
Rails, Coot etc	45	0.6	11	0.2	0	1																		
Waders	4740	64.3	3633	80.1	7	6																		
Gulls and terns	0	0.0	0	0.0	0	0																		
TOTAL	7368		4534		99	218																		
Date of count: 14 Sep 2008																								
n/c = site not counted High tide measured at TBT:																								
# indicates count consists of or includes a count made up to one week either side of the count date																								
% = count made at evening roost																								
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																0			0	0				
Black Kite	1	2						3		1	0	4	0	0	0	0	7	0	7	11	78			
White-bellied Sea Eag																0			0	0	2			
Eastern Marsh Harrier																0			0	0				
Common Buzzard																0			0	0				
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0				
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0				
Peregrine Falcon																0			0	0				
Pied Kingfisher	0	4	8					1			0	1	0	1	2	0	3	0	3	17		1		
Common Kingfisher	6	10	4					6			3	0	3	3	5	1	15	0	16	41	1	2		
White-throated Kingfisher	2	0	4					2	2		0	0	0	1	1	2	2	0	4	14		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					1	1		0	31	0	0	0	1	32	0	33	35	17			