

Tender Reference No. AFCD/SQ/19/07

**Mai Po Inner Deep Bay Ramsar Site
Waterbird Monitoring Programme
2007 - 08**

**Monthly Waterbird Monitoring
Winter 2007 - 08 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

May 2008



This report is printed on recycled paper

Tender Reference No. AFCD/SQ/19/07

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, Geoff Carey, Mike Chalmers, Forrest Fong, Vivian Fu, Martin Hale, Tony Hung, W.M. Hung, Alan Lam, Shirley Lam, H.F. Lee, Roger Lee, Mike Leven, Richard Lewthwaite, Karl Ng, C.C. Pang, Y.H. Sung, Mike Turnbull, Captain Wong, H.K. Ying, Y.T. Yu, Shenzhen Bird Watching Society, Agriculture, Fisheries and Conservation Department and The Hong Kong Bird Watching Society Ltd.

Copyright

The project is part of the "Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2007-08" funded by Agriculture, Fisheries and Conservation Department, Hong Kong SAR Government (AFCD). All the data shall be the property of the Government with full copyright

Report available for public information

The Hong Kong Bird Watching Society Limited

14/F., Ruby Commercial Building, 480 Nathan Road, 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

This publication should be cited as

Anon. 2008. Winter 2007-08 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site. Report by Hong Kong Bird Watching Society to the Agriculture, Fisheries and Conservation Department, Hong Kong Special Administrative Region Government.

TABLE OF CONTENTS

REPORT

1. Introduction.....	6
2. Methodology	6
3. Results	7
3.1 Species of conservation significance.....	11
3.2 Other notable counts	13
4. Conclusion.....	15
5. Acknowledgements.....	16
6. References.....	16

TABLE

Table 1. Comparisons of total waterbird numbers in the Deep Bay and Ramsar Site, winter 2006-07 and 2007-08.....	8
Table 2. Numbers of waterbird counts, winter 2007-08 by groups and areas	8
Table 3. Peak numbers of different waterbird groups in the Deep Bay area during the mid-winter period from 2001-2008	9
Table 4. Numbers of waterbird groups recorded in low-tide counts, winter 2007-08.....	10

FIGURE

Figure 1. Winter aggregate of species peak counts and mid-winter (January) waterbird counts, 1992-2008.....	19
---	----

Map

Map 1. Map of Hong Kong showing location of the Mai Po Inner Mai Po Deep Bay Ramsar Site	21
Map 2. Location of major count sites of the Waterbird Monitoring Programme ...	21

APPENDICE

Appendix 1. Counts of waterbird in October 2007	
Counts of waterbird in November 2007	
Counts of waterbird in December 2007	
Counts of waterbird in January 2008	
Counts of waterbird in February 2008	
Counts of waterbird in March 2008	

Appendix 2. Low-tide count, December 2007

Low-tide count, January 2008

Low-tide count, February 2008

Winter 2007-08 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

Programme 2007/08

Monthly Waterbird Count

Oct 2007 - Mar 2008

Winter 2007-2008 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 2007 to March 2008 under the contract tender reference no. AFCD/SQ/19/07.

2. Methodology

Coordinated mid-monthly counts of wintering waterbirds in Hong Kong were carried out by members of the HKBWS on 7 October 2007, 11 November 2007, 9 December 2007, 13 January 2008, 17 February 2008 and 9 March 2008. 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 coastal fringe at Pak Nai and Nim Wan in the west and the Futian National Nature

¹ Yu Yat Tung (Coordinator, Waterbird Monitoring Programme)
The Hong Kong Bird Watching Society Limited
Postal address: G.P.O. Box 12460, Hong Kong
Tel: (852) 2377 4387 Fax: (852) 2314 3687 E-mail: hkbws@hkbws.org.hk

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. Variables such as the vegetation surrounding and condition of each pond are also measured four times a year. Other variables including the height of exposed edge to the pond and the percentage of pond bottom exposed as a result of drain-down are recorded every month when these are required. 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).

Daytime high tides were not high enough to move the waterbirds closed to the Mai Po Boardwalk birdwatching hide in recent winters. An additional low-tide count was thus arranged in the mid-winter period (i.e. December to February), in order to providing extra information to the number of ducks and gulls present in the intertidal area. Counting was done in synchronous manner at four sites including Mai Po Nature Reserve, Mai Po Boardwalk birdwatching hide, Tsim Bei Tsui police jetty and the Futian National Nature Reserve, Shenzhen. These low-tide counts were scheduled on the same days of the high-tide counts and conducted in the low-tide period.

3. Results

The whole Deep Bay and the Ramsar Site was completely covered in all winter months, including the Hong Kong Wetland Park at Tin Shui Wai and the Futian National Nature Reserve in Shenzhen Special Economic Zone, China. The results of the six counts are summarized in Table 1; results in full are provided in appendices.

The winter peak monthly count in the whole Deep Bay area is 90,132 waterbirds in January, of which 56,823 (63%) waterbirds were counted in the Ramsar Site area. This count is the highest figure since the mid-winter Deep Bay Waterbird Count started in the 1980s. The Deep Bay area count is a significant 28% above that of the previous winter (table 1). The January count is usually used for further comparison to other previous winters because the winter peak counts were usually recorded in the January. Situation is simpler in this year because the total number and numbers of different waterbird groups in this January were also the highest. These figures show to have an increase of 37% and 22% from the 2007 January count in the Deep Bay and Ramsar Site area respectively (table 1).

Table 1. Comparisons of January and winter peak monthly count in the whole Deep Bay area and Ramsar Site, winter 2006-07 and 2007-08.

		Winter 2006-07	Winter 2007-08	Increase
January count	Deep Bay	65,909	90,132	37%
	Ramsar Site	46,732	56,823	22%
Winter peak monthly count [^]	Deep Bay	70,303*	90,132	28%
	Ramsar Site	33,782*	56,823	68%

[^] Winter peak monthly count is the highest count in the winter period.

* In winter 2006-07, the peak count of the whole Deep Bay area was the February count.

Monthly total numbers and numbers of each waterbird group are shown in table 2. The largest groups of wintering waterbirds comprised Ducks and Grebes at a total of 35,066 individuals in the January count, and Shorebirds (also known as waders) at 27,720 individuals also in the January count. Both of these figures are the new highs for the groups since the commencement of the mid-winter Waterbird Counts. Gulls and Terns were recorded at 11,787 individuals in the January count, which is slightly lower than the figure of 12,000 individuals of the previous winter.

Table 2. Numbers of waterbird counts, winter 2007-2008 by groups and areas.

Group	Site	Oct	Nov	Dec	Jan	Feb	Mar
Cormorants	Ramsar Site	75	5521	5760	7945	8231	3008
	Deep Bay area	91	7354	6692	11144	8976	5472
	SI & SW	23	0	23	172	132	68
Ardeids	Ramsar Site	875	1224	1418	1655	1335	864
	Deep Bay area	3093	2685	2952	3549	2777	2409
	SI & SW	455	341	303	452	502	397
Ducks and grebes	Ramsar Site	205	9716	9684	13096	13311	8830

	Deep Bay area	1715	30013	21943	35066	23602	19887
	SI & SW	28	15	38	26	47	23
Rails, Coots etc.	Ramsar Site	27	57	68	73	146	93
	Deep Bay area	95	291	706	866	576	336
	SI & SW	1	10	13	10	16	17
Shorebirds	Ramsar Site	3707	6311	4484	22267	9810	13466
	Deep Bay area	5079	14805	8136	27720	11941	22739
	SI & SW	70	36	8	18	4	3
Gulls and terns	Ramsar Site	57	400	4413	11787	7414	4063
	Deep Bay area	91	660	5430	11787	7566	4313
	SI & SW	0	0	0	0	0	0
Totals	Ramsar Site	4946	23229	25827	56823	40247	30324
	Deep Bay area	10164	55808	45859	90132	55438	55156
	SI & SW	478	402	385	678	701	508

SI & SW = Starling Inlet and Shuen Wan

Table 3 shows figures of different groups of waterbird in the mid-winter period since winter 2001-02. Except for Ardeids and Gulls and Terns, all others show increases from the previous winters and all are also the new high figures since the year 2000. Gulls and Terns dropped slightly, while the figure for the Ardeids this winter is the lowest since 2001.

Table 3. Peak numbers of different waterbird groups in the Deep Bay area during the mid-winter period (i.e. December to February) from 2001 to 2008.

Winter	Cormor-ants	Ardeids	Ducks and Grebes	Rails and coots	Shore-birds	Gulls and Terns
2001-02	6230 (Jan)	4400 (Jan)	18987 (Dec)	195 (Jan)	10242 (Jan)	13302 (Jan)
2002-03	7959 (Jan)	4702 (Jan)	20203 (Jan)	219 (Dec)	9849 (Feb)	13191 (Jan)
2003-04 [^]	8964 (Jan)	3963 (Dec)	16856 (Feb)	362 (Jan)	12856 (Jan)	8469 (Dec)
2004-05	9552 (Jan)	6425 (Dec)	22521 (Jan)	384 (Feb)	9806 (Feb)	9346 (Dec)
2005-06	10347 (Jan)	4345 (Jan)	19657 (Feb)	597 (Dec)	13695 (Feb)	14417 (Feb)
2006-07	10081 (Jan)	4396 (Dec)	33779 (Feb)	798 (Feb)	19054 (Feb)	12000 (Jan)

2007-08	11144 (Jan)	3549 (Jan)	35066 (Jan)	866 (Jan)	27720 (Jan)	11787 (Jan)
---------	----------------	------------	-------------	-----------	----------------	----------------

^ 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 avoid stochastic biases from using the January count alone and obtaining a more accurate picture of numbers of waterbirds that depend on Deep Bay for at least some part of the winter, the sum of peak species counts in the mid-winter period (December to February) was also used. This sum of peak species counts in winter 2007-08 is 90,986 individuals, including a total of 7,647 unidentified ducks. This figure is an increase of 14% from the previous year's same figure (80,108 individuals in winter 2006-07).

Low-tide count was conducted in the mid-winter period, i.e. December, January and February. In this winter only the number of Black-headed Gulls in the January count could be more representative than the high-tide count. All other waterbird groups have higher figures during the high-tide counts. Figures of each waterbird group recorded in the low tide counts are listed in table 4 and more details are shown in the appendix 2.

Table 4. Numbers of waterbird groups recorded in the Deep Bay area during low-tide counts, winter 2007-08. Numbers in parenthesis are the figures from the Ramsar Site area.

	December 2007	January 2008	February 2008
Cormorants	3,099 (3,091)	2,508 (2,480)	5,496 (5,446)
Ardeids	433 (330)	1,876 (1,577)	665 (628)
Ducks, grebes and pelicans	13,890 (9,890)	17,161 (14,655)	15,549 (6,834)
Rails and Coots	37 (31)	43 (43)	320 (300)
Waders	3,541 (3,505)	6,037 (200)	2,886 (2,041)
Gulls and terns	4,900 (4,900)	11,600 (11,600)	3,162 (3,152)
Total	25,900 (21,747)	39,225 (30,555)	28,078 (18,401)

The ten most numerous waterbird species recorded in the Deep Bay area this winter were (in descending order): Pied Avocet *Recurvirostra avousetta* (16,123), Northern Shoveler *Anas clypeata* (14,253), Black-headed Gull *Larus ridibundis* (11,600), Great Cormorant *Phalacrocorax carbo* (11,144), Eurasian Wigeon *Anas penelope* (5,050),

Northern Pintail *Anas acuta* (3,613), Common Teal *Anas crecca* (2,785), Kentish Plover *Charadrius alexandrinus* (1,857), Marsh Sandpiper *Tringa stagnatilis* (1,839), and Dunlin *Calidris alpina* (1,800). The flocks of the Kentish Plovers and Dunlins were only recorded in the Futian National Nature Reserve in this winter. These ten commonest species comprised a total of 70,064 individuals, constituting 84% of the total winter peak number of all the positively-identified waterbird species.

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, 2004a, 2006a, 2006b), 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 (2006). Brief reviews of these important waterbird species are provided below.

Dalmatian Pelican *Pelcanus crispus*

Vulnerable

Single bird was firstly found from the Mai Po boardwalk on 20 February, three days after the February count. Apart from two birds recorded in winter 2005-06, none was seen in the Deep Bay area in winter 2006-07. The regional population is thought to be as low as only 50 birds (Simba Chan, Z.H. Chen and Y.T. Yu unpub. data).

Great Cormorant *Phalacrocorax carbo*

A total of 11,144 individuals were recorded in an additional synchronous count at night roosting sites at Mai Po Nature Reserve and Nam Sang Wai during the January count period. This figure is a new high for Hong Kong and the previous highest count was 10,347 in winter 2005-06. The 1% regional population is set at 1,000 individuals (Wetlands International 2006) and hence the Deep Bay area supported about 11% of the regional population of this species in winter 2006-07.

Black-faced Spoonbill *Platalea minor*

Endangered

The highest count in this winter was 369 individuals recorded during the 2008 International Black-faced Spoonbill Census, of which 38 were recorded in Futian National Nature Reserve, Shenzhen, China and the other 331 individuals were recorded from Hong Kong. The international census was conducted in the same weekend of the January count. This figure constitutes 18% of the known world population of this globally endangered species as the total population was counted

as 2,065 individuals during the 2008 International Black-faced Spoonbill Census (HKBWS data).

Falcated Duck *Anas falcata*

Near Threatened

Five individuals were recorded in January counts, same number as the previous winter.

Northern Pintail *Anas acuta*

The highest count was 3,613 individuals recorded in December count, marginally higher than the 3,571 individuals recorded in the previous winter. The threshold value of 1% regional population is now set at 2,500 individuals (Wetlands International 2006), indicating that Deep Bay held 1.4% of the regional population of this species.

Northern Shoveler *Anas clypeata*

A total of 14,253 individuals of this species were recorded in the January count, a new high figure for this species in the Deep Bay area. This is a 60% increase from the previous highest count of 8,930 last winter. However, only 1,733 individuals were counted on the Hong Kong side and the remaining 12,520 were recorded at Futian National Nature Reserve, Shenzhen, China. The 1% regional population is set at 5,000 individuals (Wetlands International 2006) and therefore the Deep Bay wintering population was 2.9% of the regional population.

Pied Avocet *Recurvirostra avosetta*

A total of 16,123 individuals were counted in the January count, a new high for the Deep Bay area. The previous one was 11,957 individuals which were just recorded in the previous winter and so this is a 35% increase. Most of these birds (15,920 individuals) were present from the Mai Po boardwalk bird watching hide. Numbers remained high over the winter and a total of 15,617 individuals were still counted in the March count. The 1% threshold value is set at 1,000 individuals (Wetlands Internationals 2006) and this new peak count constituted a total of 16% of the regional population.

Kentish Plover *Charadrius alexandrinus*

The highest count was 1,857 individuals at the Futian National Nature Reserve, Shenzhen in the January count. The 1% regional population level is set at 1,000 individuals (Wetland International 2006) and so this figure comprises to 1.8% of the regional population. This is a significant figure because this species along with

Dunlin has become very scarce in the counts and it is thought that the daytime high tides are not high enough to push small-sized shorebirds closed to the Mai Po boardwalk bird watching hide.

Black-tailed Godwit *Limosa limosa* Near Threatened

The highest count of this winter was 571 in the February count, which is a 18% decrease from the previous winter peak count.

Eurasian Curlew *Numenius arquata*

The highest count was 1,116 individuals recorded in the January count, which is similar to 1,049 and 1,087 individuals recorded in the two previous winters. The 1% threshold value is set at 350 individuals and the Deep Bay area supported 3% regional population of this species.

Far Eastern Curlew *Numenius madagascariensis* Near Threatened

Six individuals of this species were recorded in the December count and this figure is higher than the usual records of one or two individuals. Perhaps these are late passage birds. There are also a few isolated winter records in the past (Carey *et al.* 2001).

Common Greenshank *Tringa nebularia*

The highest count in this winter was 1,509 individuals recorded in the January count, which is similar to the historical peak count of 1,522 recorded last winter. This count constitutes 1.5% of the regional population as the 1% threshold value is set at 1,000 individuals (Wetlands International 2006).

Saunders's Gull *Larus saundersi* Vulnerable

The highest count was 62 individuals in the February count, an increase of 10 birds or 19% from the previous winter's figure. The 1% population threshold value is set at 85 birds (Wetland International 2006).

Other notable counts

Greater Crested Grebe *Podiceps cristatus*

The highest count of this species was only 100 individuals in the December count. This cannot meet the 1% regional population that set at 375 individuals (Wetland International 2006).

Great Egret *Egretta alba*

The 1% regional population is set at 1,000 individuals (Wetland International 2006) and this species is usually recorded in numbers exceeding 1,000 in most previous winters. However, the highest count of this species was only 712 individuals in the January count, causing this species not to meet the 1% level of the regional population in this winter. The decline of this species coincided with the decrease of the Ardeid numbers in this winter.

Common Shelduck *Tadorna tadorna*

The highest count of this species was 18 individuals in the February count and this species remained in low numbers in recent winters. Forty-four and three birds were recorded in the previous two winters.

Tufted Duck *Aythya fuligula*

The highest count was 1,268 individuals in the February count, a 70% decrease from the historical peak number of 4,285 individuals in the previous winter. The 1% regional population is now set at 2,500 individuals (Wetlands International 2006) and so the population this winter did not meet the 1% population level.

Eurasian Coot *Fulica atra*

The highest count was 728 individuals recorded in the January count, with an increase of 17% from the previous winter. Although it is still low compared to the numbers in early 1990s, counts in recent winters show the number is recovering.

Black-winged Stilt *Himantopus himantopus*

The highest count was 725 birds recorded in the March count, of which 701 individuals were counted in the Futian National Nature Reserve, Shenzhen. This is also the highest figure of this species recorded in the Deep Bay area.

Dunlin *Calidrius alpinus*

A total of 1,800 individuals were counted in Futian National Nature Reserve, Shenzhen in the January count. However, this figure is still low compared to figures of several thousand individuals present in the mid-winter waterbird count before.

Spotted Redshank *Tringa erythropus*

The highest count of this species was only 603 individuals in the January count, a decrease of 48% from the previous winter's figure. The 1% regional population is set at 1,000 individuals (Wetlands International 2006) and so this peak count could not meet the 1% regional population level.

Black-headed Gull *Larus ridibundis*

The highest count of this species is 11,600 recorded during the low-tide count of the January count. This figure has a marginally decline from the highest count of 11,978 in the previous winter.

Conclusion

Monthly count, mid-winter count (i.e. 90,132 birds) and sum of the peak species counts (i.e. 90,986 including unidentified ducks) are recorded in new high figures in this winter. All these are unexpected because the trend of the wintering waterbirds in the Deep Bay area was fluctuating in recent years. The increases are also significant with 28% increase in the new monthly count and 14% of the sum of the peak species count from the previous winter. This is very encouraging for the conservation of the waterbirds and their habitats in this area.

The counting situation in the January count largely contributed to these high figures. Tide was much higher than the expected height causing many waterbirds to approach close to Mai Po boardwalk bird watching hides. This facilitated counting in the tidal area and so good numbers of shorebirds from the Mai Po boardwalk and ducks from Futian were made. The high tide was also high in the February count. Therefore, this unexpected good high tide caused low-tide counts in this winter to become less effective to provide additional figures of waterbirds present in the Deep Bay area.

A strong cold front came to Hong Kong in this winter and temperature had remained low for a long period in late January to early February. However, data from this monitoring programme cannot show any direct relationship to the low temperature and the increase of the wintering waterbird population in the Deep Bay area. The high number of waterbirds present in the Deep Bay area was recorded before the arrival of the cold front and this high number cannot be maintained longer with this cold weather. The number dropped considerably in the February count.

The increase of the wintering waterbird population in the Deep Bay area has been noted since last winter (i.e. winter 2006-07) and the major increase was thought to come with the improvement of the Futian National Nature Reserve, Shenzhen (Anon 2007). The Futian National Nature Reserve seems to remain in good situation in this winter and the Mai Po Inner Deep Bay Ramsar Site might also be improved as well. This is because the number of waterbirds present in the Hong Kong's Deep Bay

area is also increasing, e.g. nearly 16,000 Pied Avocets present in front of the Mai Po boardwalk. Disturbance from illegal mudskipper collectors seems to be reduced this winter and it is also encouraging, but regular patrols and prosecutions are still needed to completely eliminate this problem.

Lastly, 'Shenzhen River B' (or conventionally called Ma Tso Lung) is included in the monthly waterbird count since the beginning of this monitoring programme. Several globally threatened species including Black-faced Spoonbills, Imperial and Greater Spotted Eagles and Japanese Yellow Bunting were found. So, this area has high ecological value. Regular surveys are recommended to monitor the ecological condition of the site.

Acknowledgements

I would like to thank the following counters for participating the counts: John Allcock, Geoff Carey, Mike Chalmers, Forrest Fong, Vivian Fu, Martin Hale, Tony Hung, W.M. Hung, Alan Lam, Shirley Lam, H.F. Lee, Roger H. Lee, Mike Leven, R.W. Lewthwaite, Karl Ng, C.C. Pang, Y.H. Sung, Mike Turnbull, Captain Wong, H.K. Ying, Shenzhen Bird Watching Society and representatives from AFCD to the counts at the Hong Kong Wetland Park.

References

Anon. 2005. Winter 2004-05 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site. Report by Hong Kong Bird Watching Society to the Agriculture, Fisheries and Conservation Department, Hong Kong SAR Government.

Anon. 2007. Winter 2006-07 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site. Report by Hong Kong Bird Watching Society to the Agriculture, Fisheries and Conservation Department, Hong Kong SAR Government.

BirdLife International. 2000. Threatened Birds of the World. Lynx Edicions and BirdLife International. Barcelona and Cambridge, UK.

BirdLife International. 2004a. Threatened Birds of the world 2004. CD-ROM. Cambridge, UK: BirdLife International.

BirdLife International. 2004b. Important Bird Areas in Asia: key sites for conservation. Cambridge, UK: BirdLife International.

BirdLife International. 2006a. Species factsheet: *Anas falcata*. Download from <http://www.birdlife.org> on 20/5/2006.

BirdLife International. 2006b. Species factsheet: *Limosa limosa*. Download from <http://www.birdlife.org> on 20/5/2006.

Carey, G.J., Chalmers, M.L., Diskin, D.A., Kennerley, P.R., Leader, P.J., Leven, M.R., Lewthwaite, R.W., Melville, D.S., Turnbull, M. and Young, L. 2001. The Avifauna of Hong Kong. Hong Kong Bird Watching Society. Hong Kong.

Carey, G.J. 2002. Waterbird Count Handbook: A guide for participants in the waterbird counts in Hong Kong. 2nd edition. Hong Kong Bird Watching Society. Hong Kong.

Wetlands International. 2006. Waterbird Population Estimates - fourth edition. Wetlands International, Wageningen, The Netherlands.

Yu, Y.T. 2004. Winter 2003-04 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site. The Hong Kong Bird Watching Society Limited. Hong Kong.

Winter 2007-08 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Figure

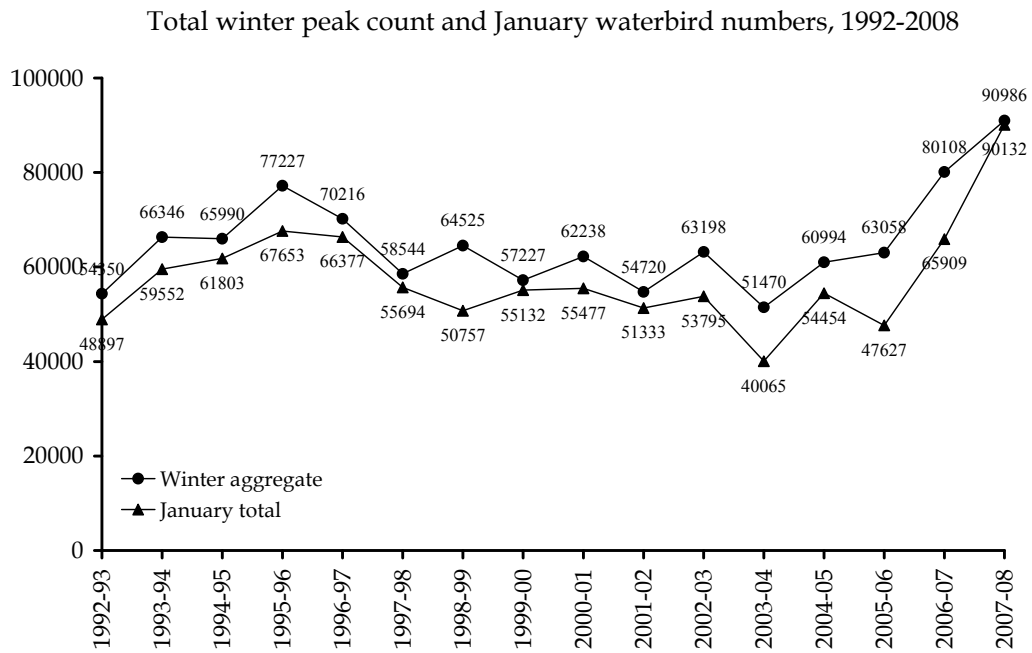


The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

Figure 1. Winter aggregate of species peak counts and mid-winter (January) waterbird counts, 1992-2008. Note: number of waterbird in winter 2003-04 was modified and details are referred to Anon. (2005). Data of winter 1997/98, 1998/99, 1999/00 and 2005/06 have been revised.



Winter 2007-08 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Maps

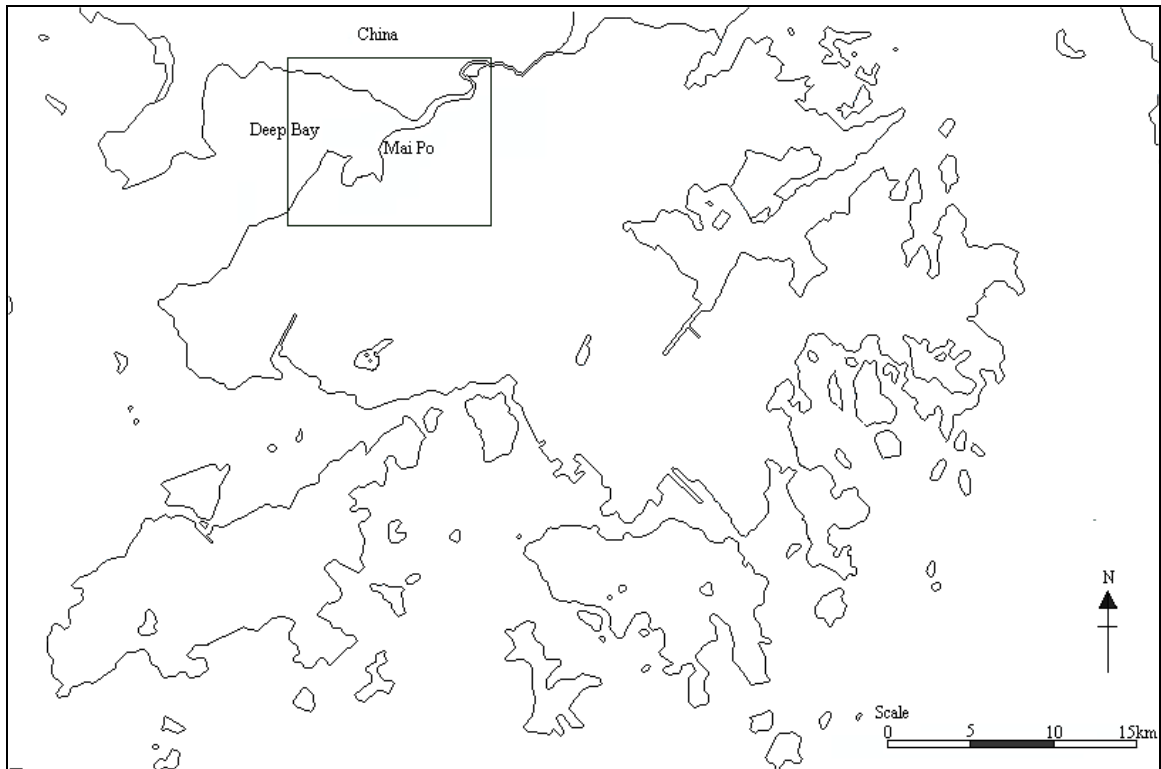


The Hong Kong Bird Watching Society Limited

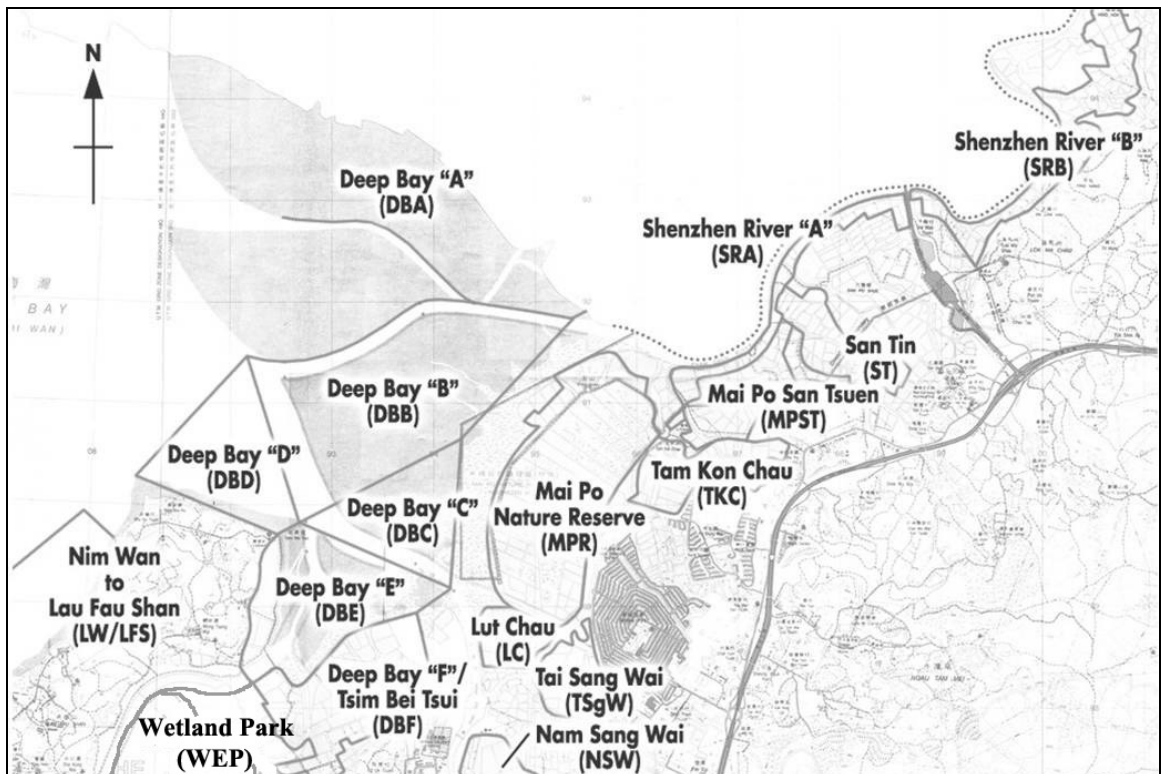


Agriculture, Fisheries and Conservation Department

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



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



Winter 2007-08 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Appendices 1



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

Summary of Waterbird Count, October 2007

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	9	25	2				7	16			26	0	18	0	2	10	47	7	64	115		7
Great Crested Grebe																0			0	0		
Great Cormorant	0	2	10					5			6	1	2	0	1	64	11	0	75	91	23	
Dalmatian Pelican																0			0	0		
Grey Heron	98	23	161	2	35	19	1	51	15	8	20	8	11	12	5	88	59	64	211	557	17	22
Purple Heron																4			4	4		
Great Egret	8	36	404	17	41	12	7	42	3	25	7	5	3	11	28	29	45	97	171	678	73	138
Intermediate Egret	8	0						0	5		0	0	0	0	0	3	0	0	3	16	1	1
Little Egret	17	104	785	33	47	19	5	60	2	116	38	15	92	20	59	21	199	116	336	1433	118	61
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	3	11						0	6	4	16	7	0	0	0	0	11	0	11	47	1	7
Chinese Pond Heron	35	30	29		1			7	3	16	56	13	20	16	33	0	97	1	98	259	2	4
Striated Heron	0	0						1			0	0	0	0	0	16	1	0	17	17		
B-c Night Heron	2	21	29					0	2		0	0	2	3	0	0	4	0	4	59	7	1
Yellow Bittern	1	1						0			0	0	0	1	0	18	1	0	19	21		2
Cinnamon Bittern		1														1			1	2		
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	275					0			0	0	0	0	0	0	0	0	0	275		
Falcatid Duck																0			0	0		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	0	0						0	6		0	0	0	0	0	0	0	0	0	6		20
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail			127	13												0		13	13	140		
Garganey			208	24												0		24	24	232		1
Northern Shoveler			843	104												0		104	104	947		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck																0			0	0		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.																0			0	0		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	4	5	10				1	6	2	2	8	0	1	1	1	7	14	1	22	48	1	1
Watercock			1													0			0	1		
Common Moorhen	8	5	9					6	11		3	1	0	0	0	3	2	0	5	46		

Eurasian Coot																0			0	0		
Pheasant-tailed Jacana																0			0	0		
Greater Painted Snipe																0			0	3		
Black-winged Stilt	17	1	493													65	60		125	679		
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													21			21	23		2
Grey Plover																37			37	37		
Common Ringed Plover																0			0	0		
Little Ringed Plover	21	1														0	75	0	75	157		
Kentish Plover																2			2	2		
Lesser Sand Plover																1			1	1		
Greater Sand Plover																0			0	0		
Black-tailed Godwit			2													328			328	330		
Bar-tailed Godwit																10			10	10		
Whimbrel			14													20		1	21	35	1	1
Eurasian Curlew																62			62	62		
Far Eastern Curlew																1			1	1		
Spotted Redshank																61			61	61		
Common Redshank			2													248			248	251		
Marsh Sandpiper			50													1900			1900	1954		
Common Greenshank			64													717	1		718	1085		
Nordmann's Greenshank																0			0	0		
Green Sandpiper	5	13														0	5	0	5	27		
Wood Sandpiper	18	3	31													9	126	8	0	0	1	7
Terek Sandpiper																0			0	0		
Common Sandpiper	2	17	10													2	21	6	29	86	2	2
Grey-tailed Tattler																0			0	0		
Ruddy Turnstone																0			0	0		
Red-necked Phalarope	4															0			0	4		
Pintail Snipe																0			0	0		
Swinhoe's Snipe																0			0	0		
Pintail/Swinhoe's Snipe	1															0			0	10		
Common Snipe	1	2	7													1			0	11		
Long-billed Dowitcher																0			0	0		
Asian Dowitcher																0			0	0		
Red Knot																6			6	6		
Great Knot																21			21	21		
Sanderling																0			0	0		
Red-necked Stint																0			0	0		
Little Stint																0			0	0		
Temminck's Stint	1															5			5	6		
Long-toed Stint																0			0	0		
Pectoral Sandpiper																0			0	0		
Sharp-tailed Sandpiper																1			1	1		
Dunlin																0			0	0		1?
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		62

Wader sp.															0			0	0			
Black-tailed Gull															0			0	0			
Heuglin's Gull															0			0	0			
Yellow-legged Gull															0			0	0			
Slaty-backed Gull															0			0	0			
Pallas's Gull															0			0	0			
Large Gull spp.															0			0	0			
Brown-headed Gull															0			0	0			
Black-headed Gull	0	0			0			0	0	0	0	0	0	0	0	0	0	0	0			
Saunders's Gull															0			0	0			
Whiskered Tern		33			1			1					21		35	22		57	91			
White-winged Tern															0			0	0			
Gull-billed Tern															0			0	0			
Caspian Tern															0			0	0			
Total	263	334	3568	193	127	51	24	280	554	232	197	76	167	119	160	3819	693	434	4946	10164	246	332
	Deep	%	Ramsar	%	SW	SI																
Cormorants	91	0.9	75	1.5	23	0																
Ardeids etc	3093	30.4	875	17.7	219	236																
Ducks, grebes, pelicans	1715	16.9	205	4.1	0	28																
Rails, Coot etc	95	0.9	27	0.5	1	1																
Waders	5079	50.0	3707	74.9	3	67																
Gulls and terns	91	0.9	57	1.2	0	0																
TOTAL	10164		4946		246	332																
Date of count: 7 Oct 2007																						
n/c = site not counted																						
# 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)	WEP	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Species																						
Osprey			5	2												0			0	7	1	
Black Kite	0	0	2					0			0	6	0	0	1	4	6	0	10	13	7	
White-bellied Sea Eag																0			0	0	2	
Eastern Marsh Harrier			1													1			1	2		
Common Buzzard																0			0	0		
Greater Spotted Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Imperial Eagle	0	0						0			0	0	0	0	0	0	0	0	0	0		
Peregrine Falcon																0			0	0		
Pied Kingfisher	0	3	3					1			1	0	0	1	1	1	3	0	4	11		
Common Kingfisher	8	5	4					6	5		13	2	4	7	7	4	33	0	37	65	3	2
White-throated Kingfisher	2	1	4					2	2		3	0	1	1	1	1	5	0	6	18	1	
Black-capped Kingfisher	0	0	1	1				0			0	0	1	1	0	0	2	1	3	4	1	2
Red-billed Starling	0	0						0			0	0	0	0	0	0	0	0	0	0	20	
Collared Crow	0	0	1					0	2		0	6	1	2	0	3	8	0	11	15	8	1

Summary of Waterbird Count, November 2007

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	14	13	2					22			40	2	29	8	0	23	82	0	105	153	1	10
Great Crested Grebe			36		1											0		1	1	37		
Great Cormorant	382	139	1160					108	4	30	92	5	36	94	52	5252	269	0	5521	7354		
Dalmatian Pelican																0			0	0		
Grey Heron	157	24	135	18			20	19	55	2	12	12	8	8	7	174	49	39	262	651	12	39
Purple Heron																2			2	2		
Great Egret	9	44	238	143	17	19	35	13	3	13	14	6	56	8	7	83	30	217	330	708	19	140
Intermediate Egret	6	0						0	7		0	0	0	0	0	10	0	0	10	23		3
Little Egret	11	158	136	23	11	3	23	18	7	10	34	75	136	16	37	65	167	60	292	763	55	56
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	5	0						0	1		11	0	1	3	7	0	7	0	7	28		
Chinese Pond Heron	22	14	39	1			2	5	4	2	54	11	28	7	32	4	90	3	97	225	2	10
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	11	11					0			0	0	0	1	0	3	1	0	4	26	3	2
Yellow Bittern	0	0	2					0	1		0	0	0	0	0	0	0	0	0	3		
Cinnamon Bittern																0			0	0		
Great Bittern																1			1	1		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill																0			0	0		
Black-faced Spoonbill	3		33				1							1*		218		1	219	255		
Common Shelduck																0			0	0		
Eurasian Wigeon	13	0	745	452				0			0	0	0	0	0	35	0	452	487	1245		
Falcated Duck																0			0	0		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	162	15	807	172			40	0	163		0	0	0	0	4	5	0	212	217	1368		4
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail	5		154	190	6		6		11							49		202	251	421		
Garganey			50	9					21							0		9	9	80		
Northern Shoveler	6		1322	6020	187		68	35			2					0	2	6310	6312	7640		
Common Pochard																4			4	4		
Baer's Pochard																0			0	0		
Tufted Duck			5				1310									0		1310	1310	1315		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.			16730		1020											0		1020	1020	17750		
Slaty-breasted Rail				2												0		2	2	2		1
Water Rail																0			0	0		
White-breasted Waterhen	0	1	7					1			2	0	3	0	4	4	5	0	9	22	1	3
Watercock																0			0	0		
Common Moorhen	12	10	4				4	6	9		15	0	1	0	0	24	18	4	46	85		5

Eurasian Coot			182														0			0	182		
Pheasant-tailed Jacana																	0			0	0		
Greater Painted Snipe									14								0			0	14		
Black-winged Stilt	11		221	10								1				2	1	10	13	245			
Pied Avocet			2120	2570												25		2570	2595	4715			
Oriental Pratincole																0			0	0			
Northern Lapwing																0			0	0			
Grey-headed Lapwing																0			0	0			
Pacific Golden Plover				4												0		4	4	4			
Grey Plover				93												1		93	94	94		1	
Common Ringed Plover																0			0	0			
Little Ringed Plover	12	5	84				0	5	32	11	0	0	3	13	0	12	0	12	165				
Kentish Plover			31	405											0		405	405	436		2		
Lesser Sand Plover				3											0		3	3	3				
Greater Sand Plover															0			0	0		27		
Black-tailed Godwit			280	685												0		685	685	965			
Bar-tailed Godwit				1												0		1	1	1			
Whimbrel				1												0		1	1	1			
Eurasian Curlew			11	110												0		110	110	121			
Far Eastern Curlew				1												0		1	1	1			
Spotted Redshank			1	486		4										0		490	490	491			
Common Redshank			60	109												0		109	109	169			
Marsh Sandpiper	3		506	840												0		840	840	1349			
Common Greenshank	2		178	684		25	4					1			15	1	709	725	909		1		
Nordmann's Greenshank																0			0	0			
Green Sandpiper	2	5	15				1	6		4	2	2	1	2	1	10	0	11	41				
Wood Sandpiper	27	11	240	2			0			2	1	0	1	3	0	2	2	4	287				
Terek Sandpiper																0		0	0				
Common Sandpiper	1	7	34	1		2	4	2		8	10	6	1	10	0	25	3	28	86	3	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				
Common Snipe	9	3	7					6								0		0	25				
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				6												0	6	6	6				
Little Stint																0		0	0				
Temminck's Stint								3								0		0	3				
Long-toed Stint																0		0	0				
Pectoral Sandpiper																0		0	0				
Sharp-tailed Sandpiper																0		0	0				
Dunlin				174												0	174	174	174				
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.			4500														0			0	4500		
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	260	377				0			0	0	0	0	0	0	0	0	377	377	637		
Saunders's Gull				22													0		22	22	22		
Whiskered Tern								1									0	1		1	1		
White-winged Tern																	0			0	0		
Gull-billed Tern																	0			0	0		
Caspian Tern																	0			0	0		
Total	874	460	30346	13614	1242	22	1540	233	326	89	301	124	308	151	178	6000	772	16457	23229	55808	96	306	
	Deep	%	Ramsar	%	SW	SI																	
Cormorants	7354	13.2	5521	23.8	0	0																	
Ardeids etc	2685	4.8	1224	5.3	91	250																	
Ducks, grebes, pelicans	30013	53.8	9716	41.8	1	14																	
Rails, Coot etc	291	0.5	57	0.2	1	9																	
Waders	14805	26.5	6311	27.2	3	33																	
Gulls and terns	660	1.2	400	1.7	0	0																	
TOTAL	55808		23229		96	306																	
Date of count: 11 Nov 2007																							
n/c = site not counted																							
# 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			6	3		1	3				1					1	1		2	15	1		
Black Kite	7	1	5	4				4	1		2	21	0	3	11	7	28	4	39	66	8		
White-bellied Sea Eag			1													0			0	1	2		
Eastern Marsh Harrier	1		2	1											1	0			0	5			
Common Buzzard	1	4	2					1	2			1		2		3	4		7	16			
Greater Spotted Eagle	0	0	1					0			0	0	0	0	0	0	0	0	0	1			
Imperial Eagle	0	0						0			0	0	0	0	1	0	0	0	0	1			
Peregrine Falcon			1													2			2	3			
Pied Kingfisher	0	3	2					0	1		0	0	0	0	1	3	0	0	3	10			
Common Kingfisher	3	6	5					3	3	1	15	0	7	2	3	4	20	0	24	52	2	5	
White-throated Kingfisher	4	3	6	3	1			0	3	1	1	2	2	2	1	3	8	4	15	32		2	
Black-capped Kingfisher	0	0	5	2			1	0	1	1	0	0	0	0	0	0	0	3	3	10	1	4	
Red-billed Starling	39	28	14					0			16	0	0	27	50	0	45	0	45	174	15	30	
Collared Crow	0	0	3					0		1	1	13	0	0	0	2	13	0	15	20	13		
Black-winged Kite								1									1			1			

Summary of Waterbird Count, December 2007

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	33	19	2					38	3		64	0	23	1	7	31	89	0	120	221	1	19
Great Crested Grebe	1		4			89				5			1			0	1	89	90	100		
Great Cormorant	239	351	127	90				149	115	4	39	29	0	129	10	5410	260	90	5760	6692		23
Dalmatian Pelican																0			0	0		
Grey Heron	173	33	129	5	38	13	14	139	90	4	21	2	1	20	5	175	91	70	336	862	11	34
Purple Heron																2			2	2		
Great Egret	11	28	103	96	18	4	47	15	1	8	9	3	4	14	185	105	42	165	312	651	25	102
Intermediate Egret	4	0						0	2		1	3	0	0	2	10	4	0	14	22		
Little Egret	10	76	166	67	12	2	29	16	3	24	26	11	29	11	220	279	79	110	468	981	61	46
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	2	3						0			2	4	0	2	8	0	8	0	8	21		
Chinese Pond Heron	11	13	36					7	1	8	41	5	6	6	15	9	65	0	74	158	1	7
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0	8					0			0	0	0	8	0	8	8	0	16	24	3	12
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	2		41				6	1								181	1	6	188	231		1
Common Shelduck																0			0	0		
Eurasian Wigeon	55	21	4206	365		320		0	31	4	0	1	0	0	0	25	1	685	711	5028		
Falcatid Duck	2															0			0	2		
Gadwall									17							0			0	17		
Baikal Teal																0			0	0		
Common Teal	401	23	1800	460	25			0	51		0	2	0	0	2	21	2	485	508	2785		11
Mallard																0			0	0		
Spot-billed Duck		2														0			0	2		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail	46		2036	220			1200	1	20							90	1	1420	1511	3613		5
Garganey	1		5	1					22							55		1	56	84		
Northern Shoveler	65		3265	2570	210		286				1					131	1	3066	3198	6528		2
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	8	4		1			680	61								483		681	1164	1237		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.				2326												0		2326	2326	2326		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	1	2	5					0		2	0	1	0	0	1	2	2	0	4	14	2	3
Watercock																0			0	0		
Common Moorhen	22	27	48					11	23		22	0	0	0	0	38	26	0	64	191		8

Eurasian Coot	1		500													0		0	501		
Pheasant-tailed Jacana	2															0		0	2		
Greater Painted Snipe								2								0		0	2		
Black-winged Stilt	6	1	421													0		0	428		
Pied Avocet	35		2361	2170									1			0	2170	2170	4567		
Oriental Pratincole																0		0	0		
Northern Lapwing																0		0	0		
Grey-headed Lapwing																0		0	0		
Pacific Golden Plover																0		0	0		
Grey Plover				82												0	82	82	82		1
Common Ringed Plover																0		0	0		
Little Ringed Plover	41	11	110				0	37	2	1	3	0	13	0	46	0	46	218			
Kentish Plover								34								0		0	34		
Lesser Sand Plover																0		0	0		
Greater Sand Plover																0		0	0		1
Black-tailed Godwit				400												0	400	400	400		
Bar-tailed Godwit																0		0	0		
Whimbrel																0		0	0		
Eurasian Curlew			11	200				4								0	200	200	215		
Far Eastern Curlew				6												0	6	6	6		
Spotted Redshank				240												0	240	240	240		
Common Redshank				202												0		0	202		
Marsh Sandpiper				6	241											0	241	241	247		
Common Greenshank				98	85				1	4						5	85	90	193		
Nordmann's Greenshank																0		0	0		
Green Sandpiper	2	6					1	1	3	5	3	2	3	1	13	0	14	27		1	
Wood Sandpiper	13	18	145				0		7	1	2	7	17	0	15	0	15	210			
Terek Sandpiper																0		0	0		
Common Sandpiper	6	6	20				1	8	5	12	9	1	4	6	0	32	1	33	78	2	3
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	9		13					2	2	1				1	0	1	1	28			
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	7		5												0	7	7	12			
Long-toed Stint				3												0		0	3		
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				3												0		0	3		
Small wader spp.																0		0	0		

Wader sp.				890	49													939	939	939		
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.				20														0	20	20	20	
Brown-headed Gull																		0	0	0		
Black-headed Gull	0	0	1017	4370				0			0	1	0	0	0	0	1	4370	4371	5388		
Saunders's Gull				20														20	20	20		
Whiskered Tern																		0	0	0		
White-winged Tern																		0	0	0		
Gull-billed Tern																		0	0	0		
Caspian Tern				2														2	2	2		
Total	1209	644	16896	14927	352	428	2263	447	384	146	251	78	73	204	496	7061	796	17970	25827	45859	106	279
	Deep	%	Ramsar	%	SW	SI																
Cormorants	6692	14.6	5760	22.3	0	23																
Ardeids etc	2952	6.4	1418	5.5	101	202																
Ducks, grebes, pelicans	21943	47.8	9684	37.5	1	37																
Rails, Coot etc	706	1.5	68	0.3	2	11																
Waders	8136	17.7	4484	17.4	2	6																
Gulls and terns	5430	11.8	4413	17.1	0	0																
TOTAL	45859		25827		106	279																
Date of count: 9 Dec 2007																						
n/c = site not counted																						
# 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			6	2	1		2								1	0			0	12	2	1
Black Kite	5	1	10					5			0	15	2	0	7	1	22	0	23	46	59	1
White-bellied Sea Eag																0			0	0	2	
Eastern Marsh Harrier			1													3			3	4		
Common Buzzard			2					1				1				1	3		4	6		
Greater Spotted Eagle	0	0						0			0	0	0	0	0	1	0	0	1	1		
Imperial Eagle	0	0	1					0			0	0	0	0	1	1	0	0	1	3		
Peregrine Falcon	1		1													1			1	3		
Pied Kingfisher	2	0	5				1	4	1		0	2	0	1	3	4	7	1	12	23		1
Common Kingfisher	6	2	2					2	2		12	0	2	4	6	6	16	0	22	44	1	7
White-throated Kingfisher	5	0	7	3		1	1	2			0	0	3	0	1	2	5	5	12	25	1	2
Black-capped Kingfisher	0	0	1	1				1	1		0	0	0	0	0	0	1	1	2	4	1	1
Red-billed Starling	379	196	34					71			76	511	0	143	421	4	884	0	888	1835	30	20
Collared Crow	0	0	5					4			0	7	0	1	0	1	10	0	11	18	3	1
Common Kestrel												1	1		1					3		

Summary of Waterbird Count, January 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	29	16	2					35	2		48	2	22	3	8	11	79	0	90	178	3	11
Great Crested Grebe			16	1						24						0			0	41		
Great Cormorant%	399*	387*	154*					158*	39*	2000*	97*	27*	3199	91*	37*	7945			7945	11144	111	61
Dalmatian Pelican																0			0	0		
Grey Heron	217	17	58	6	5	12	95	40	169	18	10	17	8	12	9	237	49	118	404	930	12	38
Purple Heron																0			0	0		
Great Egret	34	22	211	30	49	2	27	10	39	7	14	0	5	7	64	191	20	108	319	712	24	150
Intermediate Egret	1	0		1				0	2		0	0	0	0	0	10	0	1	11	14	1	1
Little Egret	27	28	208	40	76		41	152	101	133	312	14	39	26	50	119	249	157	525	1366	42	115
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	9	1						0			0	13	0	1	0	0	14	0	14	24		5
Chinese Pond Heron	6	5	31	3			2	1		5	46	7	8	13	5	1	66	5	72	133		10
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0	1					0			0	0	0	0	0	0	0	0	0	1	3	51
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	3		31	1			40	6	11	4						91	5	41	137	187		
Common Shelduck																0			0	0		
Eurasian Wigeon	355	0	1692	1270		1355	5	0	51	119	0	0	0	0	0	203	0	2630	2833	5050		
Falcated Duck	1			4												0		4	4	5		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	312	0	286	10		30	234	13	25		0	2	1	0	0	186	2	287	475	1099		9
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																0			0	0		
Burmese Spotbill																0			0	0		
Northern Pintail	24		570	1010		65	15	20	19							134		1110	1244	1857		3
Garganey									16							1			1	17		
Northern Shoveler	16		12520	710		315	385	28								279		1438	1717	14253		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	97	12	480					145								62			62	796		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.			5100	5540	1130											0		6670	6670	11770		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	0	0	6					0		2	1	0	0	0	0	0	0	0	0	9	3	1
Watercock																0			0	0		
Common Moorhen	29	18	18					4	3		17	2	0	2	0	36	22	0	58	129		6

Eurasian Coot	1		710					2								15			15	728		
Pheasant-tailed Jacana	2															0			0	2		
Greater Painted Snipe																0			0	0		
Black-winged Stilt	24		624													0			0	648		
Pied Avocet	2		6982*	15920	200					1						0		16120	16120	16123		
Oriental Pratincole																0			0	0		
Northern Lapwing																0			0	0		
Grey-headed Lapwing			2													0			0	2		
Pacific Golden Plover			13	520												0		520	520	533		
Grey Plover				623												0		623	623	623		3
Common Ringed Plover																0			0	0		
Little Ringed Plover	13	9	50					17	71	11	2	8	0	0	0	44	0	44	181			
Kentish Plover			1800	1520*					57							0			0	1857		
Lesser Sand Plover				2												0		2	2	2		
Greater Sand Plover			1													0			0	1		
Black-tailed Godwit				441												0		441	441	441		
Bar-tailed Godwit				2												0		2	2	2		
Whimbrel				1												0		1	1	1		
Eurasian Curlew			32	1073					11							0		1073	1073	1116		
Far Eastern Curlew				1												0		1	1	1		
Spotted Redshank			380	160			63									0		160	160	603		
Common Redshank			100	18												0		18	18	118		
Marsh Sandpiper			124	1715												0		1715	1715	1839		
Common Greenshank			20	1480			4		5							0		1480	1480	1509		10
Nordmann's Greenshank																0			0	0		
Green Sandpiper	3	6	5					1	1	2	6	2	0	7	1	12	0	13	34			
Wood Sandpiper	10	15	90					10		0	0	0	0	9	0	14	0	14	134			
Terek Sandpiper			1													0		0	1			
Common Sandpiper	3	4	26				1	1	4	11	8	3	4	3	5	1	20	2	23	74	3	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		
Common Snipe	5		8													0			0	13		
Long-billed Dowitcher																0			0	0		
Asian Dowitcher																0			0	0		
Red Knot				4												0		4	4	4		
Great Knot				12												0		12	12	12		
Sanderling																0			0	0		
Red-necked Stint			40													0			0	40		
Little Stint																0			0	0		
Temminck's Stint			5													0			0	5		
Long-toed Stint																0			0	0		
Pectoral Sandpiper																0			0	0		
Sharp-tailed Sandpiper																0			0	0		
Dunlin			1800	876*												0			0	1800		
Curlew Sandpiper																0			0	0		
Spoon-billed Sandpiper																0			0	0		
Broad-billed Sandpiper				1												0		1	1	1		
Ruff																0			0	0		
Small wader spp.																0			0	0		

Wader sp.			1900*														0		0	0		
Black-tailed Gull				1													0		1	1	1	
Heuglin's Gull	1			157													0		157	157	158	
Yellow-legged Gull				2													0		2	2	2	
Slaty-backed Gull																	0			0	0	
Glaucous Gull				1													0		1	1	1	
Pallas's Gull																	0			0	0	
Large Gull spp.																	0			0	0	
Relict Gull				1													0		1	1	1	
Brown-headed Gull																	0			0	0	
Black-headed Gull	0	0	46	10000			0			0	61	0	0	0	0	0	61	10000	10061	10107		
Saunders's Gull				22													0		22	22	22	
Whiskered Tern																	0			0	0	
White-winged Tern																	0			0	0	
Gull-billed Tern																	0			0	0	
Caspian Tern				2													0		2	2	2	
Total	1224	153	27107	40785	1460	1780	912	488	438	469	469	129	3296	67	157	9523	657	44930	55110	88457	202	476
	Deep	%	Ramsar	%	SW	SI																
Cormorants	11144	12.6	7945	14.4	111	61																
Ardeids etc	3367	3.8	1482	2.7	82	370																
Ducks, grebes, pelicans	35066	39.6	13096	23.8	3	23																
Rails, Coot etc	866	1.0	73	0.1	3	7																
Waders	27720	31.3	22267	40.4	3	15																
Gulls and terns	10294	11.6	10247	18.6	0	0																
TOTAL	88457		55110		202	476																
Date of count: 13 Jan 2008																						
n/c = site not counted																						
# indicates count consists of or includes a count made up to one week either side of the count date																						
% = count made at evening roost																						
* = counts not included in the total number because these might involve the same flock in other areas.																						
Wetland-dependant 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
Species																						
Osprey			4		1	1	4									1			1	11		1
Black Kite	9	29	10	3			1	4			2	19	3	3	12	18	28	6	52	113	22	
White-bellied Sea Eag			1													0			0	1	2	
Eastern Marsh Harrier	1		3	1				1								1	1		2	7		
Common Buzzard	1	1	1													1	1		2	4		
Greater Spotted Eagle	0	0						0			0	0	0	0	0	2	0	0	2	2		
Imperial Eagle	0	0	1					0			0	0	0	0	0	1	0	0	1	2		
Peregrine Falcon			2													0			0	2		
Pied Kingfisher	2	0	5					0			0	2	0	0	1	0	2	0	2	10		2
Common Kingfisher	2	3	4				1	2	1		9	0	2	2	4	0	14	1	15	30	2	6
White-throated Kingfisher	1	1	7				1	1	2		0	1	2	0	2	3	3	1	7	21	1	2
Black-capped Kingfisher	0	0	3			1		0			0	0	0	0	0	0	0	1	1	4	2	3
Red-billed Starling	76	156	11					19			73	0	1010	75	149	6	562	0	568	1575	50	
Collared Crow	0	0	6					1			1	16	0	2	0	4	19	0	23	30	3	
Common Kestrel												1		1			2		2			

Summary of Waterbird Count, February 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	54	17						25			30	3	14	6	5	53	72	0	125	207		20
Great Crested Grebe			43		1	34										0		0	0	78		
Great Cormorant	142	225	156				18	172	87	2	36	927	119	254	38	6800	1413	18	8231	8976	1	131
Dalmatian Pelican				1												0		1	1	1		
Grey Heron	12	110	59	7	2	20	57	34	194	5	14	1	0	8	1	296	25	86	407	820	11	53
Purple Heron																0			0	0		
Great Egret	0	42	113	84		1	7	52	5	8	25	84	60	53	10	62	143	92	297	606	86	123
Intermediate Egret	16	0	1	6				0	1		3	0	0	0	0	6	4	6	16	33	1	
Little Egret	2	14	90	22	1		8	49	14	25	110	50	120	47	304	61	304	31	396	917	47	68
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	0						0		1	0	0	0	1	0	0	1	0	1	2		
Chinese Pond Heron	0	12	10	6				1		7	23	1	3	1	14	5	13	6	24	83	1	7
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		105
Yellow Bittern	7	0						0			0	0	0	0	0	0	0	0	0	7		
Cinnamon Bittern																0			0	0		
Great Bittern																0			0	0		
Black Stork																0			0	0		
Black-headed Ibis																0			0	0		
Eurasian Spoonbill				1												2		1	3	3		
Black-faced Spoonbill	20		75				31		16		15				1	148	12	31	191	306		
Common Shelduck				18												0		18	18	18		
Eurasian Wigeon	31	0	166	50		1364	4	0	87	5	24	0	0	0	0	432	0	1418	1850	2163		
Falcatad Duck																0			0	0		
Gadwall																10			10	10		
Baikal Teal																0			0	0		
Common Teal	12	25	70	200			6	11	14		0	0	0	0	40	23	0	217	240	401		17
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																2			2	2		
Burmese Spotbill																0			0	0		
Northern Pintail	2		24	200	20	18			6			65				255	65	245	565	590		9
Garganey			5						54							15			15	74		
Northern Shoveler	3		1016	3070	303	55	45		16							411		3496	3907	4919		1
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	1	11	919		1	5	1									330		7	337	1268		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.			7630				12									0		6242	6242	13872		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
Ruddy-breasted Crake									1							0			0	1		
White-breasted Waterhen	4	2	3	1				0			6	2	0	1	2	3	8	1	12	24	3	3
Watercock																0			0	0		

Common Moorhen	6	16	22				11	15		39	0	0	0	0	79	31	0	110	188		10
Eurasian Coot		1	314		24										24			24	363		
Pheasant-tailed Jacana															0			0	0		
Greater Painted Snipe															0			0	0		
Black-winged Stilt	1		669												0			0	670		
Pied Avocet	13		17	6370											1360	6370	7730	7760			
Oriental Pratincole															0			0	0		
Northern Lapwing															0			0	0		
Grey-headed Lapwing								1							0			0	1		
Pacific Golden Plover								3							0			0	3		
Grey Plover															0			0	0		1
Common Ringed Plover															0			0	0		
Little Ringed Plover	0	56	17	6			3	42	20	37	9	0	13	0	0	59	6	65	203		
Kentish Plover									2						0			0	2		
Lesser Sand Plover															0			0	0		
Greater Sand Plover															0			0	0		
Black-tailed Godwit				571											0	571	571	571			
Bar-tailed Godwit															0			0	0		
Whimbrel				1											0	1	1	1			
Eurasian Curlew				605				1							0	605	605	606			
Far Eastern Curlew															0			0	0		
Spotted Redshank			47					35							32		32	114			
Common Redshank															0			0	0		
Marsh Sandpiper								2							1		1	3			
Common Greenshank			447		60		115	1							684	60	744	1307			
Nordmann's Greenshank															0			0	0		
Green Sandpiper	0	3				0	1	7	4	1	2	8	1	10	0	11		27			
Wood Sandpiper	9	21	173			1	12	3	2	0	1	8	0	7	0	7		230			
Terek Sandpiper															0			0	0		
Common Sandpiper	2	9	7		3	5	4	11	17	1	5	6	0	37	3	40		70		3	
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			3												0			0	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			3	3			1								0	3	3	7			
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			3												0			0	3		

Small wader spp.																	0			0	0		
Wader sp.			360														0			0	360		
Black-tailed Gull																	0			0	0		
Heuglin's Gull																	1			1	1		
Yellow-legged Gull																	0			0	0		
Slaty-backed Gull																	0			0	0		
Pallas's Gull																	0			0	0		
Large Gull spp.				250													0	250	250	250	250		
Brown-headed Gull																	0			0	0		
Black-headed Gull	0	0	151	7000		38		0			0	2	62	0	0	0	64	7038	7102	7253			
Saunders's Gull				61													0	61	61	61			
Whiskered Tern																	0		0	0			
White-winged Tern																	0		0	0			
Gull-billed Tern																	0		0	0			
Caspian Tern				1													0		0	1			
Total	337	564	12613	18534	6558	1559	252	364	721	82	383	1167	380	392	437	11096	2268	26884	40248	55439	153	548	
	Deep	%	Ramsar	%	SW	SI																	
Cormorants	8976	16.2	8231	20.5	1	131																	
Ardeids etc	2777	5.0	1335	3.3	146	356																	
Ducks, grebes, pelicans	23603	42.6	13312	33.1	0	47																	
Rails, Coot etc	576	1.0	146	0.4	3	13																	
Waders	11941	21.5	9810	24.4	3	1																	
Gulls and terns	7566	13.6	7414	18.4	0	0																	
TOTAL	55439		40248		153	548																	
Date of count: 17 Feb 2008																							
n/c = site not counted																							
# 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)	WEP	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet	
Species																							
Osprey	1		4	2		2	1	1				1		1		0	2		2	13		1	
Black Kite	0	6	3				1	8			1	3	2	2	24	2	14	1	17	52	74		
White-bellied Sea Eag																0			0	0	2		
Eastern Marsh Harrier			2					1						1		1	1		2	5			
Common Buzzard									1	1				1		2			2	5			
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	6					0			0	2	0	0	1	1	1	0	2	11		1	
Common Kingfisher	1	5						1	3		9	1	1	3	1	2	10	0	12	27	1	5	
White-throated Kingfisher	0	0	1				1	1			1	0	0	0	1	4	1	1	6	9	1	4	
Black-capped Kingfisher	4	0		1				0			0	1	1	0	0	0	1	1	2	7	2	4	
Red-billed Starling	54	32	83					0			1101	137	846	114	135	2300	1442	0	3742	4802	50		
Collared Crow	0	0					1	0	1		1	2	1	0	0	3	4	1	8	9	3		
Crested Serpent Eagle		1																					
Crested Goshawk																						1	
Common Kestrel																						1	

Summary of Waterbird Count, March 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	30	19	14					31	2		34	2	16	0	7	15	44	0	59	170		7
Great Crested Grebe			135	5	12	72	5			4						0		94	94	233		
Great Cormorant	99	366	1667					192	68		66	16	7	80	67	2844	164	0	3008	5472		68
Dalmatian Pelican																0			0	0		
Grey Heron	152	7	26	9			38	21	128	10	4	3	0	8	0	117	11	47	175	523	15	43
Purple Heron									1							2			2	3		
Great Egret	62	6	81	26	19	4	19	29	1	39	13	7	16	9	26	23	49	68	140	380	82	197
Intermediate Egret	2	0		1				1	2		1	0	0	0	0	7	2	1	10	14		
Little Egret	163	16	288	12	68	8	87	98	8	19	42	4	82	11	29	67	202	175	444	1002	16	17
Swinhoe's Egret																0			0	0		
Pacific Reef Egret																0			0	0		
Cattle Egret	0	2						2			3	1	3	0	33	0	6	0	6	44		4
Chinese Pond Heron	1	4	18			1	1	0	2	1	47	1	14	1	11	4	41	2	47	106	1	17
Striated Heron	0	0						0			0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0	20					0			0	0	0	0	0	0	0	0	0	20	1	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	129		63				24	6	55	6			1			33	7		40	317		
Common Shelduck																0			0	0		
Eurasian Wigeon	0	0	803	600		1560	105	0			16	2	0	0	0	173	2	2265	2440	3259		
Falcatid Duck																0			0	0		
Gadwall																0			0	0		
Baikal Teal																0			0	0		
Common Teal	4	9	267	50			57	7	21		0	0	0	0	0	8	0	114	122	423		10
Mallard																0			0	0		
Spot-billed Duck																0			0	0		
Chinese Spotbill																6			6	6		
Burmese Spotbill																0			0	0		
Northern Pintail			150	2250			18		13							13		2268	2281	2444		2
Garganey			4						54							3			3	61		4
Northern Shoveler			3939	3300			46	11	13							426		3357	3783	7735		
Common Pochard																0			0	0		
Baer's Pochard																0			0	0		
Tufted Duck	1	2	1796					5								42			42	1846		
Greater Scaup																0			0	0		
Red-breasted Merganser																0			0	0		
Duck sp.			3710													0			0	3710		
Slaty-breasted Rail																0			0	0		
Water Rail																0			0	0		
White-breasted Waterhen	2	1	2				3	2	6	2	6	0	3	0	3	6	7	3	16	36	1	2
Watercock																0			0	0		
Common Moorhen	11	18	37				1	12	15	6	29	0	0	0	4	47	28	1	76	180		14

Eurasian Coot			119														1			1	120		
Pheasant-tailed Jacana																	0			0	0		
Greater Painted Snipe									1								0			0	1		
Black-winged Stilt			701	22													2		22	24	725		
Pied Avocet			4817	10800													0		10800	10800	15617		
Oriental Pratincole											6						0	6		6	6		
Northern Lapwing																	0			0	0		
Grey-headed Lapwing			1														0			0	1		
Pacific Golden Plover			22														0			0	22		
Grey Plover				480													0		480	480	480		
Common Ringed Plover																	0			0	0		
Little Ringed Plover	5	24	51				5	14	25	45	20	1	0	1	1	29	0		30	192			
Kentish Plover			1450						13								0			0	1463		
Lesser Sand Plover																	0			0	0		
Greater Sand Plover																	0			0	0		
Black-tailed Godwit			1	250													0		250	250	251		
Bar-tailed Godwit				1													0		1	1	1		
Whimbrel				1													0		1	1	1		
Eurasian Curlew				450			1										0		451	451	451		
Far Eastern Curlew																	0			0	0		
Spotted Redshank			70	150													0		150	150	220		
Common Redshank			58														0			0	58		
Marsh Sandpiper			217	950			1										0		951	951	1168		
Common Greenshank			302	220			18										0		238	238	540		
Nordmann's Greenshank				1													0		1	1	1		
Green Sandpiper	2	4					0	3	5	5	5	0	3	1	13	0		14	28				
Wood Sandpiper	6	11	67				2		0	3	4	0	2	0	9	0		9	95				
Terek Sandpiper																	0		0	0			
Common Sandpiper	1	6	10				1	6	3	21	9	7	0	9	0	26	1		27	73		3	
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			0	1		
Common Snipe	5							3	1								0			0	9		
Long-billed Dowitcher																	0			0	0		
Asian Dowitcher																	0			0	0		
Red Knot				1													0		1	1	1		
Great Knot				12													0		12	12	12		
Sanderling																	0			0	0		
Red-necked Stint																	0			0	0		
Little Stint																	0			0	0		
Temminck's Stint	2		5	6				2									0		6	6	15		
Long-toed Stint																	0			0	0		
Pectoral Sandpiper																	0			0	0		
Sharp-tailed Sandpiper																	0			0	0		
Dunlin			450														0			0	450		
Curlew Sandpiper				14													0		14	14	14		
Spoon-billed Sandpiper																	0			0	0		
Broad-billed Sandpiper																	0			0	0		
Ruff			1														0			0	1		
Small wader spp.																	0			0	0		

Wader sp.			842													0		0	842			
Black-tailed Gull																0		0	0			
Heuglin's Gull																1		1	1			
Yellow-legged Gull																0		0	0			
Slaty-backed Gull																0		0	0			
Pallas's Gull																0		0	0			
Large Gull spp.			180													0	180	180	180			
Brown-headed Gull																0		0	0			
Black-headed Gull	0	0	241	3000	435	400		0	9	0	5	0	0	0	0	5	3835	3840	4090			
Saunders's Gull			39													0	39	39	39			
Whiskered Tern																0		0	0			
White-winged Tern																0		0	0			
Gull-billed Tern			1													0	1	1	1			
Caspian Tern			2													0	2	2	2			
Total	678	495	22445	22833	534	2046	424	430	409	141	332	78	165	109	195	3842	651	25831	30324	55156	119	389

	Deep	%	Ramsar	%	SW	SI
Cormorants	5472	9.9	3008	9.9	0	68
Ardeids etc	2409	4.4	864	2.8	115	282
Ducks, grebes, pelicans	19887	36.1	8830	29.1	0	23
Rails, Coot etc	336	0.6	93	0.3	1	16
Waders	22739	41.2	13466	44.4	3	0
Gulls and terns	4313	7.8	4063	13.4	0	0
TOTAL	55156		30324		119	389

Date of count: 9 Mar 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)	WEP	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Osprey			3	2			1	1	1	6			1			4	1		5	19	1	
Black Kite	0	2	4					1			3	2	2	2	2	4	8	0	12	22		
White-bellied Sea Eag																0			0	0	2	
Eastern Marsh Harrier	1		3													0			0	4		
Common Buzzard	1		2													2			2	5		
Greater Spotted Eagle	0	0						0			0	0	0	0	0	1	0	0	1	1		
Imperial Eagle	0	0	1					0			0	0	0	0	0	0	0	0	0	1		
Peregrine Falcon			1						1							0			0	2	1	
Pied Kingfisher	2	4	4					1		2	1	0	2	2	1	1	3	0	4	20		5
Common Kingfisher	2	0	1					3	3		4	1	8	0	1	1	15	0	16	24	1	2
White-throated Kingfisher	5	0	1				1	2	1	3	1	0	2	0	1	1	5	1	7	18	1	1
Black-capped Kingfisher	0	0						0			0	0	0	0	0	0	0	0	0	0	1	2
Red-billed Starling	60	49	43					19			15	9	224	51	117	18	197	0	215	605	30	
Collared Crow	2	1	3				1	0	1		0	5	3	0	0	2	8	1	11	18	2	3
Besra													1									

Winter 2007-08 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Appendices 2



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

Summary of Waterbird Count during Low Tide, December 2007

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	0	0						0		0	0	0	0	0	20	0	0	20	20		
Great Crested Grebe															0			0	0		
Great Cormorant	0	0	8					0		0	0	0	0	0	3091	0	0	3091	3099		
Dalmatian Pelican															0			0	0		
Grey Heron	0	0	43					0		0	0	0	0	0	131	0	0	131	174		
Purple Heron															1			1	1		
Great Egret	0	0	4					0		0	0	0	0	0	44	0	0	44	48		
Intermediate Egret	0	0						0		0	0	0	0	0	4	0	0	4	4		
Little Egret	0	0	17					0		0	0	0	0	0	48	0	0	48	65		
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	0	0						0		0	0	0	0	0	0	0	0	0	0		
Chinese Pond Heron	0	0	2					0		0	0	0	0	0	10	0	0	10	12		
Striated Heron	0	0						0		0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0						0		0	0	0	0	0	0	0	0	0	0		
Yellow Bittern	0	0						0		0	0	0	0	0	0	0	0	0	0		
Cinnamon Bittern															0			0	0		
Great Bittern															0			0	0		
Black Stork															0			0	0		
Black-headed Ibis															0			0	0		
Eurasian Spoonbill			1												0			0	1		
Black-faced Spoonbill			36												92			92	128		
Common Shelduck															0			0	0		
Eurasian Wigeon	0	0						0		0	0	0	0	0	183	0	0	183	183		
Falcated Duck															9			9	9		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	0	0						0		0	0	0	0	0	1	0	0	1	1		
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill															0			0	0		
Burmese Spotbill															0			0	0		
Northern Pintail															318			318	318		
Garganey															0			0	0		
Northern Shoveler															55			55	55		
Common Pochard															0			0	0		
Baer's Pochard															0			0	0		
Tufted Duck															124			124	124		
Greater Scaup															0			0	0		
Red-breasted Merganser															0			0	0		
Duck sp.			4000	6680		2500									0		9180	9180	13180		
Slaty-breasted Rail															0			0	0		
Water Rail															0			0	0		
White-breasted Waterhen	0	0	5					0		0	0	0	0	0	0	0	0	0	5		
Watercock															0			0	0		
Common Moorhen	0	0	1					0		0	0	0	0	0	25	0	0	25	26		

Eurasian Coot																6			6	6
Pheasant-tailed Jacana																0			0	0
Greater Painted Snipe																0			0	0
Black-winged Stilt																0			0	0
Pied Avocet																0			790	790
Oriental Pratincole																0			0	0
Northern Lapwing																0			0	0
Grey-headed Lapwing																0			0	0
Pacific Golden Plover																0			30	30
Grey Plover																0			162	162
Common Ringed Plover																0			0	0
Little Ringed Plover																0			0	0
Kentish Plover																0			0	0
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																0			5	5
Far Eastern Curlew																0			0	0
Spotted Redshank																0			0	0
Common Redshank																0			0	0
Marsh Sandpiper																0			0	0
Common Greenshank																0			31	31
Nordmann's Greenshank																0			0	0
Green Sandpiper																0			0	0
Wood Sandpiper																0			0	0
Terek Sandpiper																0			0	0
Common Sandpiper																0			0	0
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			330	330
Curlew Sandpiper																0			0	0
Spoon-billed Sandpiper																0			0	0
Broad-billed Sandpiper																0			0	0
Ruff																0			0	0

Small wader spp.				600											0		600	600	600		
Wader sp.				1590											0		1590	1590	1590		
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		4050		850		0		0	0	0	0	0	0	0	4900	4900	4900		
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	0	0	4153	14232	0	3350	0	0	0	0	0	0	0	0	4165	0	17582	21747	25900	0	0
	Deep Bay Area	%	Ramsar Site	%	SW	SI															
Cormorants	3099	12.0	3091	14.2	0	0															
Ardeids etc	433	1.7	330	1.5	0	0															
Ducks, grebes, pelicans	13890	53.6	9890	45.5	0	0															
Rails, Coot etc	37	0.1	31	0.1	0	0															
Waders	3541	13.7	3505	16.1	0	0															
Gulls and terns	4900	18.9	4900	22.5	0	0															
TOTAL	25900		21747		0	0															
Date of count: 9 Dec 2007 (low tide)																					
n/c = site not counted											High tide measured at TBT:										
# indicates count consists of or includes a count made up to one week either side of the count date																					
% = count made at evening roost																					
Wetland-dependant species																					
	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Species																					
Osprey															0			0	0		
Black Kite	0	0						0		0	0	0	0	0	17	0	0	17	17		
White-bellied Sea Eag															0			0	0		
Eastern Marsh Harrier															1			1	1		
Common Buzzard															2			2	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	1	0	0	1	1		
Peregrine Falcon															0			0	0		
Pied Kingfisher	0	0						0		0	0	0	0	0	0	0	0	0	0		
Common Kingfisher	0	0						0		0	0	0	0	0	7	0	0	7	7		
White-throated Kingfisher	0	0	1					0		0	0	0	0	0	3	0	0	3	4		
Black-capped Kingfisher	0	0	4					0		0	0	0	0	0	0	0	0	0	4		
Red-billed Starling	0	0						0		0	0	0	0	0	35	0	0	35	35		
Collared Crow	0	0	2					0		0	0	0	0	0	3	0	0	3	5		

Summary of Waterbird Count during Low Tide, January 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	0	0						0		0	0	0	0	0	12	0	0	12	12		
Great Crested Grebe			6			246									0		246	246	252		
Great Cormorant	0	0	28	5				0		0	0	0	0	0	2475	0	5	2480	2508		
Dalmatian Pelican															0			0	0		
Grey Heron	0	0	21					0		0	0	0	0	0	142	0	0	142	163		
Purple Heron															0			0	0		
Great Egret	0	0	184	5				0		0	0	0	0	0	186	0	5	191	375		
Intermediate Egret	0	0						0		0	0	0	0	0	0	0	0	0	0		
Little Egret	0	0	75	10				0		0	0	0	0	0	149	0	10	159	234		
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	0	0						0		0	0	0	0	0	0	0	0	0	0		
Egret sp.						1000									0		1000	1000	1000		
Chinese Pond Heron	0	0	2					0		0	0	0	0	0	8	0	0	8	10		
Striated Heron	0	0						0		0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0						0		0	0	0	0	0	0	0	0	0	0		
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			17												77			77	94		
Common Shelduck															0			0	0		
Eurasian Wigeon	0	0		173				0		0	0	0	0	0	307	0	173	480	480		
Falcated Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	0	0						0		0	0	0	0	0	145	0	0	145	145		
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill															3			3	3		
Burmese Spotbill															0			0	0		
Northern Pintail															97			97	97		
Garganey															0			0	0		
Northern Shoveler															263			263	263		
Common Pochard															0			0	0		
Baer's Pochard															0			0	0		
Tufted Duck															39			39	39		
Greater Scaup															0			0	0		
Red-breasted Merganser															0			0	0		
Duck sp.			2500	2870		10500									0		13370	13370	15870		
Slaty-breasted Rail															0			0	0		
Water Rail															0			0	0		
White-breasted Waterhen	0	0						0		0	0	0	0	0	1	0	0	1	1		
Watercock															0			0	0		

Common Moorhen	0	0						0		0	0	0	0	0	0	26	0	0	26	26		
Eurasian Coot																16			16	16		
Pheasant-tailed Jacana																0			0	0		
Greater Painted Snipe																0			0	0		
Black-winged Stilt																0			0	0		
Pied Avocet			5500	76												0		76	76	5576		
Oriental Pratincole																0			0	0		
Northern Lapwing																0			0	0		
Grey-headed Lapwing			2													0			0	2		
Pacific Golden Plover																0			0	0		
Grey Plover				94												0		94	94	94		
Common Ringed Plover																0			0	0		
Little Ringed Plover	0	0						0	0	0	0	0	0	0	0	0	0	0	0	0		
Kentish Plover																0			0	0		
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				29												0		29	29	29		
Far Eastern Curlew																0			0	0		
Spotted Redshank				3												0			0	3		
Common Redshank				29												0			0	29		
Marsh Sandpiper																0			0	0		
Common Greenshank				300												0			0	300		
Nordmann's Greenshank																0			0	0		
Green Sandpiper	0	0						0	0	0	0	0	0	0	1	0	0	1	1			
Wood Sandpiper	0	0						0	0	0	0	0	0	0	0	0	0	0	0	0		
Terek Sandpiper																0			0	0		
Common Sandpiper	0	0		2				0	0	0	0	0	0	0	0	0	0	0	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		
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			1												0		0	1			
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		600		11000		0	0	0	0	0	0	0	0	0	11600	11600	11600		
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	0	0	8670	3862	0	22746	0	0	0	0	0	0	0	0	3947	0	26608	30555	39225	0	0
	Deep Bay Area	%	Ramsar Site	%	SW	SI															
Cormorants	2508	6.4	2480	8.1	0	0															
Ardeids etc	1876	4.8	1577	5.2	0	0															
Ducks, grebes, pelicans	17161	43.8	14655	48.0	0	0															
Rails, Coot etc	43	0.1	43	0.1	0	0															
Waders	6037	15.4	200	0.7	0	0															
Gulls and terns	11600	29.6	11600	38.0	0	0															
TOTAL	39225		30555		0	0															
Date of count: 13 Jan 2008 (low-tide count)																					
n/c = site not counted High tide measured at TBT:																					
# indicates count consists of or includes a count made up to one week either side of the count date																					
% = count made at evening roost																					
Wetland-dependant species																					
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW/LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Osprey			1												0			0	1		
Black Kite	0	0						0		0	0	0	0	0	19	0	0	19	19		
White-bellied Sea Eag															0			0	0		
Eastern Marsh Harrier															1			1	1		
Common Buzzard															0			0	0		
Greater Spotted Eagle	0	0						0		0	0	0	0	0	3	0	0	3	3		
Imperial Eagle	0	0						0		0	0	0	0	0	1	0	0	1	1		
Peregrine Falcon															0			0	0		
Pied Kingfisher	0	0						0		0	0	0	0	0	1	0	0	1	1		
Common Kingfisher	0	0	1					0		0	0	0	0	0	3	0	0	3	4		
White-throated Kingfisher	0	0						0		0	0	0	0	0	2	0	0	2	2		
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						0		0	0	0	0	0	2	0	0	2	2		

Summary of Waterbird Count during Low Tide, February 2008

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet
Little Grebe	0	0						0		0	0	0	0	0	25	0	0	25	25		
Great Crested Grebe			5		27										0		27	27	32		
Great Cormorant	0	0	50	380				0		0	0	0	0	0	5066	0	380	5446	5496		
Dalmatian Pelican															0			0	0		
Grey Heron	0	0	25	13				0		0	0	0	0	0	196	0	13	209	234		
Purple Heron															1			1	1		
Great Egret	0	0		56				0		0	0	0	0	0	93	0	56	149	149		
Intermediate Egret	0	0						0		0	0	0	0	0	4	0	0	4	4		
Little Egret	0	0	2	11				0		0	0	0	0	0	70	0	11	81	83		
Swinhoe's Egret															0			0	0		
Pacific Reef Egret															0			0	0		
Cattle Egret	0	0						0		0	0	0	0	0	0	0	0	0	0		
Chinese Pond Heron	0	0		2				0		0	0	0	0	0	16	0	2	18	18		
Striated Heron	0	0						0		0	0	0	0	0	0	0	0	0	0		
B-c Night Heron	0	0						0		0	0	0	0	0	0	0	0	0	0		
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			10												166		166	176			
Common Shelduck															0			0	0		
Eurasian Wigeon	0	0	44		620			0		0	0	0	0	0	190	0	620	810	854		
Falcated Duck															0			0	0		
Gadwall															0			0	0		
Baikal Teal															0			0	0		
Common Teal	0	0	5					0		0	0	0	0	0	26	0	0	26	31		
Mallard															0			0	0		
Spot-billed Duck															0			0	0		
Chinese Spotbill															0			0	0		
Burmese Spotbill															0			0	0		
Northern Pintail			110		44										106		44	150	260		
Garganey															3			3	3		
Northern Shoveler			700	430	11										351		441	792	1492		
Common Pochard															0			0	0		
Baer's Pochard															0			0	0		
Tufted Duck			851												341			341	1192		
Greater Scaup															0			0	0		
Red-breasted Merganser															0			0	0		
Duck sp.			7000	4660											0		4660	4660	11660		
Slaty-breasted Rail															0			0	0		
Water Rail															0			0	0		
White-breasted Waterhen	0	0						0		0	0	0	0	0	0	0	0	0	0		
Watercock															0			0	0		
Common Moorhen	0	0						0		0	0	0	0	0	32	0	0	32	32		
Eurasian Coot			20		254										14		254	268	288		

Pheasant-tailed Jacana																	0			0	0	
Greater Painted Snipe																	0			0	0	
Black-winged Stilt			4														0			0	4	
Pied Avocet			800	1470													34	1470	1504	2304		
Oriental Pratincole																	0			0	0	
Northern Lapwing																	0			0	0	
Grey-headed Lapwing																	0			0	0	
Pacific Golden Plover																	0			0	0	
Grey Plover				100													0	100	100	100		
Common Ringed Plover																	0			0	0	
Little Ringed Plover	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kentish Plover																	0			0	0	
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			1	435													0	435	435	436		
Far Eastern Curlew																	0			0	0	
Spotted Redshank																	0			0	0	
Common Redshank																	0			0	0	
Marsh Sandpiper																	0			0	0	
Common Greenshank			40														0			0	40	
Nordmann's Greenshank																	0			0	0	
Green Sandpiper	0	0					0	0	0	0	0	0	2	0	0	0	2	0	2	2		
Wood Sandpiper	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Terek Sandpiper																	0			0	0	
Common Sandpiper	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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.				72												0		72	72	72		
Brown-headed Gull																0		0	0			
Black-headed Gull	0	0	10	2480	600			0	0	0	0	0	0	0	0	0	0	3080	3080	3090		
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	0	0	9677	10109	1556	0	0	0	0	0	0	0	0	0	0	6736	0	11665	18401	28078	0	0
	Deep Bay Area	%	Ramsar Site	%	SW	SI																
Cormorants	5496	19.6	5446	29.6	0	0																
Ardeids etc	665	2.4	628	3.4	0	0																
Ducks, grebes, pelicans	15549	55.4	6834	37.1	0	0																
Rails, Coot etc	320	1.1	300	1.6	0	0																
Waders	2886	10.3	2041	11.1	0	0																
Gulls and terns	3162	11.3	3152	17.1	0	0																
TOTAL	28078		18401		0	0																
Date of count: 17 Feb 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	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Shuen Wan	Starling Inlet	
Species																						
Osprey				5											1			1	6			
Black Kite	0	0						0		0	0	0	0	0	8	0	0	8	8			
White-bellied Sea Eag															0			0	0			
Eastern Marsh Harrier															0			0	0			
Common Buzzard															1			1	1			
Greater Spotted Eagle	0	0						0		0	0	0	0	0	2	0	0	2	2			
Imperial Eagle	0	0						0		0	0	0	0	0	1	0	0	1	1			
Peregrine Falcon															0			0	0			
Pied Kingfisher	0	0						0		0	0	0	0	0	0	0	0	0	0			
Common Kingfisher	0	0						0		0	0	0	0	0	5	0	0	5	5			
White-throated Kingfisher	0	0						0		0	0	0	0	0	2	0	0	2	2			
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	6	0	0	6	6			
Collared Crow	0	0						0		0	0	0	0	0	4	0	0	4	4			