Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2011 – 12

Monthly Waterbird Monitoring Winter 2011 - 12 Report



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Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

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Report available for public information

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Winter 2011-12 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Report



The Hong Kong Bird Watching Society



Agriculture, Fisheries and Conservation Department

MAI PO INNER DEEP BAY RAMSAR SITE WATERBIRD MONITORING PROGRAMME

Programme 2011/12

Monthly Waterbird Count

Oct 2011 - Mar 2012

Winter 2011-2012 Report

Y.T. YU

1. Introduction

Long-term monitoring of waterbirds provides an insight into the health of wetlands; it concerns not only the waterbird community, but also the entire ecosystem in Deep Bay. Waterbird Monitoring Programme provides important baseline information for the management of Mai Po Inner Deep Bay Ramsar Site. This was administered and executed by the Hong Kong Bird Watching Society (HKBWS) under subvention from the Agriculture, Fisheries and Conservation Department (AFCD) from December 1998 to March 2004. Starting from April 2004, the Waterbird Monitoring Programme was arranged under service contracts funded by AFCD.

The Waterbird Monitoring Programme comprises three major components, namely, monthly waterbird count, shorebird count and egretry count. The monthly waterbird counts are conducted in the Deep Bay area including the Mai Po Inner Deep Bay Rasmar Site, fishpond areas and mudflat adjacent to the Ramsar Site; the shorebird counts are conducted at the key feeding and loafing sites in the Mai Po Marshes Nature Reserve and intertidal mudflat during the migration seasons; and the egretry counts are conducted all around Hong Kong during the breeding season. This report focuses on the results of the monthly counts of waterbirds during the winter period from October 2011 to March 2012 under the tender reference number AFCD/SQ/22/11.

2. Methodology

The coordinated mid-monthly counts of wintering waterbirds in Hong Kong were carried out by accredited waterbird surveyors of the HKBWS, with support rendered by reserve staff of the Hong Kong Wetland Park on 9 October 2011, 13 November 2011, 18 December 2011, 15 January 2012, 12 February 2012 and 11 March 2012. The survey area included the Mai Po Inner Deep Bay Ramsar Site (the 'Ramsar Site') and wetland areas around the Ramsar Site (the 'Deep Bay area'). The Deep Bay

area covered the Ramsar Site and survey sites including mudflat between Tsim Bei Tsui to Lau Fau Shan, fishpond areas at Ma Tso Lung, Sam Po Shue, San Tin, Mai Po San Tsuen, Tam Kon Chau, Tai Sang Wai, Lut Chau, Luen Hing Wai, Wing Kei Tsuen, Nam Sang Wai, Tsim Bei Tsui and Tin Shui Wai. Besides, the survey also covered the Hong Kong Wetland Park, and the Futian National Nature Reserve at Shenzhen Special Economic Zone in mainland China. Maps 1, 2 and 3 show the location of each of the survey sites within the survey area, together with the boundary of the Mai Po Inner Deep Bay Ramsar Site. Figures collected from the monthly waterbird counts were grouped and presented with respect to two main areas: (1) Ramsar Site and (2) Deep Bay area.

This monitoring programme involved the counting of waterbirds in the above survey area. Habitat types included fishponds, *gei wais*, storm water channel, streams, intertidal mudflat, mangroves, reedbed and marshes. The survey sites, in particular the intertidal areas of Inner Deep Bay, were surveyed simultaneously so as to avoid double-counting as far as possible.

During the winter months, substantial number of waterbirds were present in the Deep Bay intertidal area. However, there were only a few days with diurnal tides high enough to force all waterbirds off the mudflat to the roosting sites in Mai Po and/or close to the floating bird watching hides. All counts were conducted on dates with rising tide, preferably 1.8 m or above. High-tide counts of individual species conducted within one week from the scheduled survey date were included if they were considered to provide more accurate counting result than those gathered on the counting day. This methodology has been described in details in the Waterbird Count Handbook (Carey 2002, Map 1 to 3).

Additional low-tide counts were conducted in the mid-winter period (i.e. December to February) on the same dates scheduled for high-tide counts so as to provide supplementary information on the number of some waterbird species including ducks, gulls which preferred to stay in the intertidal area during low-tide. Counting was conducted in a synchronous manner at the jetty outside the police station in Tsim Bei Tsui and at the Futian National Nature Reserve in Shenzhen.

3. Results and discussion

3.1. Results of winter waterbird counts

All survey areas in the Deep Bay area and the Ramsar Site were covered during the survey period in the winter months. A full dataset of the surveys are provided in Appendix 1. Table 1 shows a comparison of the peak counts. In 2011-12, the peak count was 68,080 birds recorded in February 2012, of which 45,744 (67%) birds were recorded at the Ramsar Site. Compared to the results of last year, the peak count at the Deep Bay area has decreased slightly by 1% while the peak count at the Ramsar Site has increased by 7%. As the peak was in February this year, the number of waterbirds recorded in January 2012 was far less than that recorded in January of the previous year, there was a decrease of 28% and 19% at the Deep Bay area and the Ramsar Site respectively.

The count conducted in February showed that wintering 'ducks and grebes' was the largest waterbird group with 25,739 individuals (38%), followed by 'shorebirds' with 25,299 individuals (37%). These were also the peak counts for the two waterbird groups in this winter (Table 2). The number of wintering Great Cormorants reached the peak in February with 9,636 individuals recorded.

Compared to the results of the previous year, increases were observed in the peak counts of 'ardeids' and 'shorebirds', whereas decreases were observed in the peak counts of 'cormorants', 'ducks and grebes', 'rails and coots', and 'gulls and terns' (Table 3). The winter peak count of 'gulls and terns' showed a decrease of 45% which was the lowest record since 2001-02.

Table 1. Comparison of the number of waterbirds recorded at the Deep Bay area and the Ramsar Site in winter 2007-08 to 2011-12. The Ramsar Site covers part of the Deep Bay area, with details shown in Maps 2 and 3.

		Winter	Winter	Winter	Winter	Winter
		2007-08*	2008-09	2009-10*	2010-11*	2011-12
Winter peak	Deep Bay	90,132	78,155	76,882	68,635	68,080
monthly count^	Ramsar Site	56,823	27,526	39,000	42,699	45,744
January count	Deep Bay	90,132	71,264	76,882	68,635	49,202
	Ramsar Site	56,823	30,539	39,000	42,699	34,561

[^] Winter peak monthly count' refers to the highest count between October to March 2012 in the winter period.

^{*} Counts of the whole Deep Bay area peaked in January for the winters in 2007-08, 2009-10 and 2010-11.

Table 2. Number of waterbirds counted in winter 2011-2012 by groups and sites

Table 2. Number	of waterbirds cou	Tited III	William ZC	711 2012	by group	os arra si	103
Group	Site	Oct	Nov	Dec	Jan	Feb	Mar
Cormorants	Deep Bay area	889	5,738	9,431	8,303	9,636	5,907
	Ramsar Site	575	5,027	8,109	3,151	3,795	5,030
	Starling Inlet	0	3	7	111	18	109
Ardeids	Deep Bay area	2,685	3,507	3,384	2,830	2,645	2,224
	Ramsar Site	1,482	1,465	1,400	1,526	1,063	1,113
	Starling Inlet	288	174	113	185	567	361
Ducks and	Deep Bay area	1738	13,997	23,107	13,711	25,739	6,407
grebes	Ramsar Site	101	6,398	10,349	9,131	17,029	1,934
	Starling Inlet	5	10	13	14	17	22
Rails and	Deep Bay area	78	90	191	206	155	213
Coots	Ramsar Site	35	29	85	83	47	98
	Starling Inlet	1	12	15	21	23	22
Shorebirds	Deep Bay area	4,327	11,873	16,784	19,024	25,299	11,668
	Ramsar Site	3,044	3,207	12,241	16,070	20,568	8,669
	Starling Inlet	10	28	9	56	9	6
Gulls and terns	Deep Bay area	30	1,237	2,393	5,128	4,606	2,121
	Ramsar Site	13	536	1,477	4,600	3,242	1,240
	Starling Inlet	0	0	0	0	0	0
Total	Deep Bay area	9,747	36,442	55,290	49,202	68,080	28,540
	Ramsar Site	5,250	16,662	33,661	34,561	45,744	18,084
	Starling Inlet	304	227	157	387	634	520

Table 3. Peak number of different waterbird groups in the Deep Bay area during the mid-winter period (i.e. December to February) from 2001 to 2012

Winter	Cormorants	Ardeids	Ducks and	Rails and	Shore-	Gulls and
			Grebes	coots	birds	Terns
2001-02	6,230	4,400	18,987	195	10,242	13,302
2001-02	(Jan)	(Jan)	(Dec)	(Jan)	(Jan)	(Jan)
2002-03	7,959	4,702	20,203	219	9,849	13,191
2002-03	(Jan)	(Jan)	(Jan)	(Dec)	(Feb)	(Jan)
2003-04	8,964	3,963	16,856	362	12,856	8,469
^	(Jan)	(Dec)	(Feb)	(Jan)	(Jan)	(Dec)
2004-05	9,552	6,425	22,521	384	9,806	9,346
2004-03	(Jan)	(Dec)	(Jan)	(Feb)	(Feb)	(Dec)
2005-06	10,347	4,345	19,657	597	13,695	14,417

	(Jan)	(Jan)	(Feb)	(Dec)	(Feb)	(Feb)
2006-07	10,081	4,396	33,779	798	19,054	12,000
2006-07	(Jan)	(Dec)	(Feb)	(Feb)	(Feb)	(Jan)
2007.09	11,144	3,549	35,066	866	27,720	11,787
2007-08	(Jan)	(Jan)	(Jan)	(Jan)	(Jan)	(Jan)
2008-09	8,736	4,384	38,099	460	24,069	11,212
2006-09	(Jan)	(Feb)	(Feb)	(Jan)	(Feb)	(Dec)
2009-10	10,758	3,357	28,700	523	23,926	11,331
2009-10	(Feb)	(Jan)	(Jan)	(Jan)	(Jan)	(Jan)
2010-11	10,023	3,006	30,628	332	20,708	9,393
2010-11	(Feb)	(Dec)	(Dec)	(Jan)	(Jan)	(Jan)
2011-12	9,636	3,384	25,739	206	25,299	5,128
2011-12	(Feb)	(Dec)	(Feb)	(Jan)	(Feb)	(Jan)

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

Synchronised low-tide counts were conducted in the intertidal area at Tsim Bei Tsui and Futian National Nature Reserve, Shenzhen in December, January and February. Figures collected in the low-tide counts could serve as supplementary information for high-tide counts as some bird species preferred to stay in the intertidal mudflat during the low-tide periods. Examples of such bird species which were recorded in this winter included Black-headed Gull and Black-winged Stilt. Results of low-tide counts of different waterbird groups are listed in Table 4 and details are shown in Appendix 2.

Low-tide count has been proven as an effective method to acquire additional information of ducks and gulls which prefer to stay in the intertidal area of the Deep Bay area (Anon 2011). Height of tide and visibility are important factors affecting the counts of waterbirds in the low tide period. In this winter, the low tide counts were conducted in a less favourable condition because of poor visibility as a result of persistently poor weather condition including heavy rainfall in January.

Table 4. Number of waterbird groups recorded at the Deep Bay area during low-tide counts, winter 2011-12. Number in parenthesis represents the results recorded within the area of the Ramsar Site.

	December 2011	January 2012	February 2012
Cormorants	51 (21)	70 (Nil)	8,159 (2,600)
Ardeids	426 (218)	192 (Nil)	194 (50)
Ducks, grebes and pelicans	11,247 (720)	3,241 (789)	7,324 (2,465)
Rails and Coots	11 (Nil)	57 (Nil)	64 (Nil)
Waders	12,369 (1,226)	2,011 (Nil)	4,319 (652)
Gulls and terns	2,378 (1,462)	5,128 (4,600)	834 (756)
Total	26,482 (3,647)	10,699 (5,459)	20,894 (6,523)
High-tide count total	55,208 (34,008)	48,784 (34,149)	67,094 (45,886)
Aggregate total from low-tide count	55,290 (33,661)	49,202 (34,561)	68,080 (45,744)

In order to avoid stochastic biases for adopting the January count solely and to acquire a more accurate profile of the number of waterbirds that were dependent on Deep Bay as their habitat for at least a period in the winter, the total peak count in the mid-winter period (December to February) was also extracted to show the maximum number of waterbirds that used the Deep Bay area, in other words, supported by the area in the 2011-12 winter. The total peak count for 2011-12 winter was 72,492 birds, including 7,813 unidentified ducks (Appendix 3). That was a decrease of 5% when compared to the result of 76,679 individuals recorded in last winter. Table 5 shows a comparison of the total peak counts in the winters from 2006-07 to 2011-12. The number of waterbird species found was 64 in winter 2011-12, slightly fewer than last winter.

Table 5. Total peak counts in the winters of past six years

	Winter	Winter	Winter	Winter	Winter	Winter
	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
Total peak count	80,108	90,986	87,633	87,379	76,679	72,492
Total no. of						
positively-identified	71	71	70	75	67	64
waterbird species						

In the winter period, the ten most numerous waterbird species recorded in the Deep Bay area (Table 6) included, namely, the most abundant Pied Avocet *Recurvirostra avovsetta* (14,604), followed by Great Cormorant *Phalacrocorax carbo* (9,636), Northern Shoveler *Anas clypeata* (7,560), Black-headed Gull *Chroicephalus ridibundus* (4,964), Tufted Duck *Aythya fuligula* (3,305), Dunlin *Calidris alpine* (3,100), Eurasian Wigeon *Anas penelope* (2,919), Kentish Plover *Charadrius alexandrines* (2,640), Northern Pintail *Anas acuta* (2,413) and Marsh Sandpiper *Tringa stagnatilus* (2,237). These ten waterbird species together made up a total of 53,831 individuals, constituting 74% of all the waterbirds recorded in the winter period. Furthermore, the number of waterbirds recorded at Hong Kong side was higher than that at the Futian National Nature Reserve during the high tide period. Regular movement of wintering waterbirds in the Deep Bay area from Mai Po during the high tide period to Futian during the low tide period was also observed.

Table 6. The ten most numerous wintering waterbird species recorded at Deep Bay in Hong Kong and Shenzhen, Deep Bay.

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	Number of birds at	Number of birds at	Total number
	Hong Kong side	Futian (i.e. Shenzhen)	
Pied Avocet	13,597	1,007	14,604
Great Cormorant	9,636	0	9,636
Northern Shoveler	5,729	1,831	7,560
Black-headed Gull	4,558	406	4,964
Tufted Duck	608	2,700	3,308
Dunlin	3,060	40	3,100
Eurasian Wigeon	2,875	44	2,919
Kentish Plover	2,600	40	2,640
Northern Pintail	2,411	2	2,413
Marsh Sandpiper	2,195	42	2,237
Total	47,269	6,112	F2 921
Total	(88.6%)	(11.4%)	53,831

3.2 Species of conservation significance

Some waterbird species that appeared in the Deep Bay Area were of conservation significance. This was partly attributable to their globally threatened status as classified by BirdLife International (2000, 2008, 2012), or because at least 1% of their regional or flyway population was supported by the Deep Bay area. The data of '1% of the regional or flyway population' was adopted from Wetlands International (2012). Brief reviews of the important waterbird species recorded in

winter 2011-12 are appended below.

Great Cormorant *Phalacrocorax carbo*

Organised counts at roosting sites were conducted at Mai Po Marshes Nature Reserve and Nam Sang Wai in December 2011, January 2012 and February 2012. A total number of 8,303 and 9,636 birds were counted in January and February respectively. The peak count in February had a decrease of 4% as compared to that recorded in the previous winter. Applying the criterion that the 1% regional population at 1,000 individuals (Wetland International 2012), the Deep Bay area had supported 9.6% of the regional population in winter 2011-12.

Black-faced Spoonbill Platalea minor

Endangered

In December 2011, a total of 488 Black-faced Spoonbills (equivalent to 18% of the known world population) were recorded in the Deep Bay area. This was the peak count in this winter, with a 11% increase from the previous winter. The International Black-faced Spoonbill Census took place in the same week as the monthly waterbird monitoring in January 2012. The Census recorded a total of 2,693 individuals in East Asia region, of which 442 individuals (equivalent to 16% of the world population) were recorded in Deep Bay area during the census (HKBWS 2012).

Falcated Duck Anas falcata

Near Threatened

A total of 28 individuals were recorded in February 2012. This was not only the peak count in this winter, but also the highest record for this species in the Deep Bay area taken in last decade. There was only a single bird found in December 2011.

Northern Pintail Anas acuta

The peak count for this species was 2,413 individuals recorded in February 2012 that was a 33% decrease from the peak count (3,622 individuals) of the previous year. Applying the criterion that the 1% regional population at 2,400 individuals (Wetland International 2012), the Deep Bay area had supported 1% of the regional population in winter 2011-12.

Northern Shoveler *Anas clypeata*

The peak count for this species was 7,560 individuals recorded in January 2012, that was a 22% decrease from the peak count (9,674 individuals) of the previous winter. This species had a peak count of 20,008 individuals in winter 2009-10 and its number started to decline in the past two winters. On the basis that the 1% regional population was 5,000 individuals (Wetland International 2012), about 1.5% of the regional population had stayed in the Deep Bay area in this winter.

Baer's Pochard Aythya baeri

Critically Endangered

Only a single individual was recorded in February 2012. Baer's Pochard has undergone a very rapid decline in its regional population due to habitat destruction and excessive hunting in breeding and wintering grounds. This species has been upgraded to "Critically Endangered" in 2012 (BirdLife International 2012). In Deep Bay area, this species has become very rare in recent years.

Tufted Duck *Aythya fuligula*

The highest count for this species was 3,308 individuals recorded in February 2012, a significant decrease of 43% from the peak count (5,823 individuals) of the previous year. On the basis that the 1% regional population was 2,400 individuals (Wetland International 2012), the Deep Bay area had supported about 1.4% of the regional population, and most of these birds (2,400 individuals) were recorded at the Futian National Nature Reserve, Shenzhen.

Pied Avocet Recurvirostra avosetta

The peak count was 14,604 individuals recorded in February 2012, an increase of 33% from the peak count of the previous year (i.e. 10,944 individuals). This was also the second highest record for this species counted in the Deep Bay area. Throughout the winter period, over 10,000 individuals were recorded. On the basis that the 1% regional population was 1,000 individuals (Wetland International 2012), the Deep Bay area had supported 14% of the regional population in this winter.

Black-tailed Godwit Limosa limosa

Near Threatened

A total of 520 individuals were recorded in February 2012. This was also the peak count in this winter, and most of the birds were recorded at the Futian National Nature Reserve, Shenzhen. There was a sharp decrease of 72% from the peak count (1,900 individuals) of the previous winter (2010-11), and a decrease of 30% from the peak count (752 individuals) of 2009-10 winter. The 1% regional population was 1,400 individuals (Wetland International 2012).

Eurasian Curlew Numenius arquata

Near Threatened

The winter peak count for this species was 1,128 individuals recorded in December 2011, a 30% decrease from the peak count (1,602 individuals) of the previous winter which was the highest record for this species in the Deep Bay area. As the 1% regional population was 1,000 individuals (Wetlands International 2012), this peak count represented 1.1% of the regional population.

Common Greenshank Tringa nebularia

The peak count for this species was 944 individuals recorded in December 2011, a decrease of 18% from the peak count recorded in the previous winter (1,149 individuals). On the basis that the 1% regional population was 1,000 individuals (Wetlands International 2012), the peak count of 944 individuals was equivalent to nearly 1% of the regional population.

Nordmann's Greenshank Tringa guttifer

Endangered

A single individual of this endangered species was recorded in March 2012. The global population of this species was estimated at 400 to 600 individuals, and the 1% regional population was 5 individuals (Wetland International 2012).

Saunders's Gull Chroicocephalus saundersi

Vulnerable

The peak count in this winter was 57 individuals made in February 2012, which almost doubled the peak count of 30 individuals recorded in the previous year. The global population was estimated between the range of 7,100 to 9,600 individuals (BirdLife International 2012) and the 1% population threshold was 71 birds (Wetlands International 2012).

3.2 *Other notable counts*

Greater Crested Grebe *Podiceps cristatus*

The peak count in this winter was 420 birds made in December 2011. As the 1% regional population was set at 350 individuals (Wetland International 2012), this peak count represented 1.2% of the regional population.

Eastern Great Egret Ardea alba

This species was common and widespread in the Deep Bay area throughout the year and high numbers were recorded in winter months. The peak count in this winter was 916 individuals recorded in December 2012, a 14% increase from the peak count (804 individuals) of the previous year. The peak count of 916 individuals nearly reached the threshold of 1% regional population which was set at 1,000 (Wetland International 2012).

Common Shelduck Tadorna tadorna

6 individuals were recorded in February 2012 but none was recorded in other months and also last winter. This species has suffered a drastic decline in its number in the Deep Bay area in recent years, and the historical peak count was 4,011 individuals recorded in January 1988 (Carey *et al.* 2011).

Common Teal Anas crecca

This is one of the most commonly seen ducks in the Deep Bay area (Carey *et al.* 2002). However, it has declined in number in recent winters. The peak count in this winter was 937 individuals made in December 2012, with a decrease of 36% from the peak count (1,459 individuals) recorded in the previous winter. In winter 2008-09, the peak count was as high as 2,332 individuals.

Eurasian Coot Fulica atra

The peak count was only 9 individuals recorded in January 2012, while the peak count was 125 birds in the previous winter. This indicated that this species had almost disappeared from the Deep Bay area in this winter. This species had once been a very common wintering bird in the Deep Bay area.

Little Ringed Plover *Charadrius dubius*

The population in the Deep Bay area occasionally met the threshold of 1% regional population which was 250 individuals (Wetland International 2012) (e.g. 315 individuals in February 2009). The peak count in this winter was only 123 individuals recorded in January 2012, obviously lower than the 1% threshold.

Kentish Plover *Charadrius alexandrinus*

The peak count for this species was 2,640 individuals recorded in January 2012. It was more than triple of the peak count (720 individuals) recorded in the previous year. On the basis that the threshold of 1% regional population was 1,000 individuals (Wetland International 2012), this peak count was equivalent to 2.6% of the regional population.

Spotted Redshank *Tringa erythropus*

The peak count was 30 individuals made in December 2011, exhibiting a drastic decline of 84% from the peak count (160 individuals) recorded in the previous winter. This was another waterbird species which was once very common in the Deep Bay area but has become very scarce in recent winters. The threshold of 1% regional population of this species is now set at 250 individuals (Wetland International 2012), indicating that this species may suffer a decline of their regional population.

Marsh Sandpiper Tringa stagnatillis

This species often presents in large flock in the Deep Bay area during winter. The peak count was 2,237 individuals recorded in February 2012, a 40% decrease from the peak count (3,705 individuals) of last winter, and a decrease of 22% from the peak count (2,884 individuals) of 2009-10 winter.

Black-headed Gull Chroicocephalus ridibundis

A peak count of 4,964 individuals was recorded in January 2012, a sharp decline of 46% from the peak count (9,160 individuals) of last winter. This species has declined in number in the Deep Bay area and the reason is still unknown.

4. Conclusion

After the peak count of 90,986 individuals recorded in winter 2007-08, the numbers of waterbirds recorded have declined in last three consecutive winters (Figure 1). The figures, including the January count, the peak monthly count, the total winter peak count and the number of waterbird species, have all shown a decreasing trend. The low-tide counts, that were supposed to provide supplementary information including the number of waterbird species which spent most of the time utilising the inter-tidal mudflat area, did not yield better results. This indicated that the number of wintering waterbirds in the intertidal area might actually be on the low side regardless of the tidal height.

The total number of waterbirds has decreased in this winter. The proportion of the ten most numerous waterbird species to all waterbirds was also less than that recorded in the previous years (winter 2011-12: 74%, winter 2010-11: 78%, winter 2009-10: 86%, winter 2008-09: 84%, winter 2007-08: 84%). This indicated that certain common species have become less predominant in this winter. Taking a closer look at the data collected in this winter, there were fewer wintering ducks (i.e. Northern Shovelers, Eurasian Wigeon, Northern Pintail and Tufted Duck), while there were increases in the number of other waterbird species including Pied Avocets and Kentish Plover. The total number of waterbird species recorded in this winter was 64 species.

Among the 64 waterbird species recorded in this winter, a total of 17 species were of conservation concern, including 7 globally threatened or near-threatened species (namely, Black-faced Spoonbill, Falcated Duck, Baer's Pochard, Black-tailed Godwit, Eurasian Curlew, Nordmann's Greenshank and Saunders's Gull) and 10 other species with a minimum of 1% of the global or regional population were recorded at the Deep Bay area. The regular waterbird monitoring programme helps to provide information on both spatial abundance and temporal fluctuation which reflects the trend or health of the waterbird population including the globally threatened species.

The unstable and persistently poor weather condition in January 2012 might have led to the decrease in number of waterbirds recorded. Apart from that, cross-border fishermen who were spotted occasionally in the mudflat area in front of the Mai Po boardwalk hides might also have caused disturbance to the waterbirds utilising the mudflat area. There have also been occasional records during the winter of 2011-12 and in early spring of 2012 that lines of traps placed by the fishermen in the mudflat in front of the boardwalk hides could also cause potential problem to waterbirds (http://www.hkbws.org.hk/BBS/viewthread.php?tid=16468&extra=page%3D1), and waterbird surveyors at Shenzhen side had reported that about a hundred fishermen were found working in the mudflat area at the Futian National Nature Reserve. To reduce disturbance to waterbirds, it is suggested that the AFCD to communicate with the relevant parties to step up surveillance checks on person entering the restricted area if he/she is the holder of a valid permit.

5. Acknowledgements

I would like to thank the following surveyors who participated in the counts: John Allcock, Geoff Carey, Bonnie Chan, Gary Chow, Forrest Fong, Martin Hale, John and Jemi Holmes, Tony Hung, W.M. Hung, Aaron Keung, Alan Lam, Roger H. Lee, R.W. Lewthwaite, Austin Ng, C.C. Pang, Carmen Or, Y.H. Sung, Captain Wong, Shenzhen Bird Watching Society. I also thank the reserve staff of the Hong Kong Wetland Park for their contribution in collecting waterbird data.

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Winter 2011-12 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

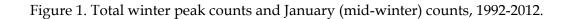
Figure

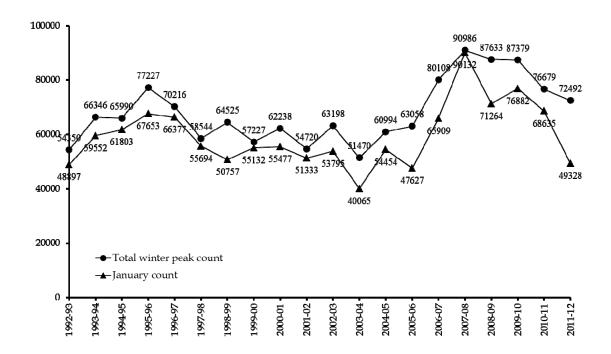


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Note: number of waterbirds in winter 2003-04 was modified and details are referred to Anon. (2005). Statistics for winters 1997-98, 1998-99, 1999-00 and 2005-06 have also been revised.

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Maps

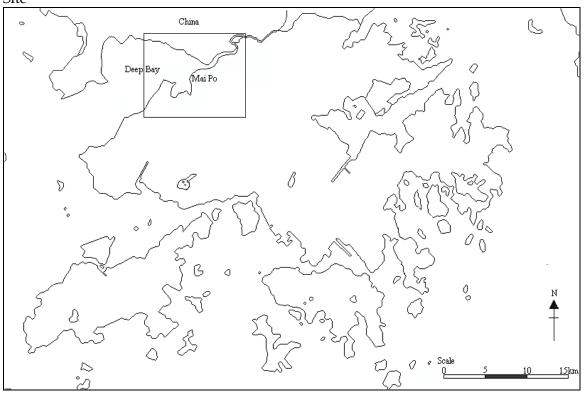


The Hong Kong Bird Watching Society

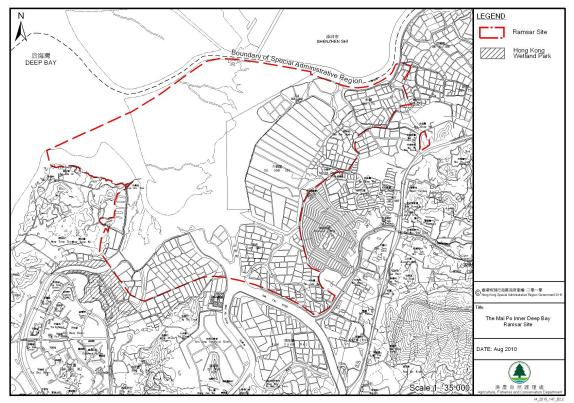


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Map 1. Map of Hong Kong showing location of the Mai Po Inner Deep Bay Ramsar Site

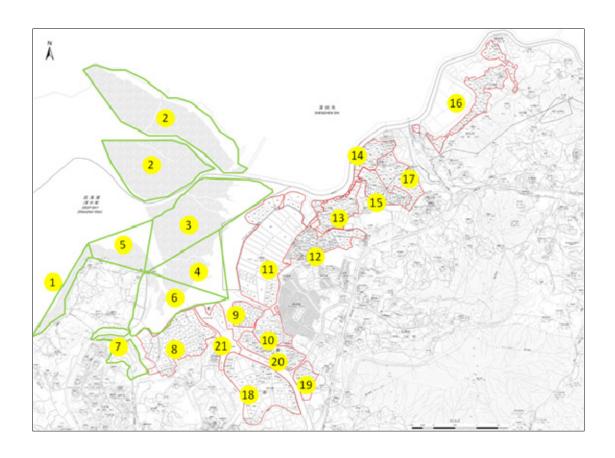


Map 2. Boundary of Mai Po Inner Deep Bay Ramsar Site.



Source: AFCD

Map 3. Location of survey sites of the Waterbird Monitoring Programme (1: Tsim Bei Tsui to Nim Wan; 2: Deep Bay 'A'; 3: Deep Bay 'B'; 4: Deep Bay 'C'; 5: Deep Bay 'D'; 6: Deep Bay 'E'; 7: Hong Kong Wetland Park; 8: Deep Bay 'F' (Tsim Bei Tsui fishpond); 9: Lut Chau; 10: Tai Sang Wai; 11: Mai Po Marshes Nature Reserve; 12: Tam Kon Chau; 13: Mai Po San Tsuen; 14: Shenzhen River 'A'; 15: San Tin; 16: Shenzhen River 'B'; 17: Sham Po Shue; 18: Nam Sang Wai; 19: Wing Kei Tsuen; 20: Luen Hin Wai; 21: Shan Pui River.)



Winter 2011-12 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Appendix 1



The Hong Kong Bird Watching Society



Agriculture, Fisheries and Conservation Department

Summary of Waterbird Count, October 2011

Little Grebe	SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	ткс	LC	TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Green Commonant Section	Little Grebe	9	6	1		1			7	0	0	7				15	0	29	16	6	32	8	60	1	69	137	5
Dalmatan Pelican Grey Heron State Stat	Great Crested Grebe	1		7																		0			0	8	
Grey Heron 98 18 28	Great Cormorant	18	20	5					17	2	135	100				7	0	11	55	7	7	505	68	2	575	889	
Furple Horon	Dalmatian Pelican																										
Great Egret 70 20 12 2 2 2 2 1 78 66 57 6 1 7 27 6 27 23 6 58 119 130 103 352 632 100 Intermediate Egret 1 0 8 8 0 0 1 1 0 0 0 0 0 0 0 14 0 9 23 25 44 Little Egret 30 31 31 96 34 7 30 61 30 62 312 5 10 9 89 3 54 3 20 102 31 465 101 597 1019 68 Swinhor's Egret 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grey Heron	98	18	28		1	6	37	23	43	33	11	16	3	1	10	2	3	7	0	6	180	45	79	304	526	21
Great Egret 70 20 12 2 2 2 2 1 78 66 57 6 1 7 27 6 27 23 6 58 119 130 103 352 632 100 Intermediate Egret 1 0 8 8 0 0 1 1 0 0 0 0 0 0 0 14 0 9 23 25 44 Little Egret 30 31 31 96 34 7 30 61 30 62 312 5 10 9 89 3 54 3 20 102 31 465 101 597 1019 68 Swinhor's Egret 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Purple Heron										1											7			7	8	
Intermediate Egret		70	20	12	2	2	2	22	21	78	66	57	6	1	7	27	6	27	23	6	58	119	130	103	352	632	106
Swinbox Egret	Intermediate Egret	1	0		8				0	1	1	0					0	0	0	0		14	0	9	23	25	4
Pacific Rear Eignet	Little Egret	30	31	96	34		7	30	61	30	62	312	5	10	9	89	3	54	3	20	102	31	465	101	597	1019	68
Pacific Red Egret	Swinhoe's Egret																					0		-	0	0	
Cattle Erger 3 0 0 0 1 0 1 0 1 1 24 02 11 35 0 36 117 82 Chines Pond Heron 39 36 6 3 4 12 6 4 20 1 1 1 4 4 25 33 21 11 15 97 13 126 267 3 Striated Heron 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																						0			0	0	
Chinese Pond Heron 39 36 6		3	0						0	0	1	0				1	24	0	11	24	52	1	35	0	36	117	82
Striated Heron 0 0 0 0 0 0 0 0 0		39	36	6			3	4	12	6	4	20	1	1	1	46		5	33	21	11	16	97	13	126	267	
B-c Night Heron 32		0							0	0	0	0				0					0	1	0		1	1	
Vellow Bittern 5		32	1	2		3			0	1	0	3		4		0		0	5		0	22	5	4	31	73	4
Cimanon Bittern	<u> </u>		1						1	1	1	1	2			0	0	0	0	1	1	3	2	0	5	17	
Circat Bittern			-								-							Ü			-			Ü			
Black Stork																										-	
Black-leaded lhis																										0	
Eurasian Spoonbill Black-faced Spoonbill Black-f				1		1																					
Black-faced Spoonbill				1		1																					
Common Shelduck				1		1																				0	
Eurasian Wigeon 2 0 8 0 0 0 0 0 0 0 0				1		1																·					
Falcated Duck Gadwall Baikal Teal Common Teal A66 Baikal Teal Baik		2	0	8					0	0	0	0				0	0	0	0	0	0		0	0			
Gadwall						1				Ů	Ů					Ŭ			-	Ů			•	Ŭ			
Baikal Teal				1		1																					
Common Teal																										_ ~	
Mallard		46	0		1				0	0	0	0				0	0	0	0	0	0		0	1			
Spot-billed Duck Spot-billed		10			1					Ů							Ü	-					•	1			
Chinese Spotbill																										v	
Burmese Spotbill																						·					
Northern Pintail																										-	
Garganey 21																											
Northern Shoveler		21																									<u> </u>
Common Pochard 0	<i>U</i>	21			21																	_		21			
Baer's Pochard					21																			21			
Tufted Duck 0 0 0 Greater Scaup 0 0 0 0 Red-breasted Merganser 0 0 0 0 Duck sp. 9 1475 0 0 0 1484 Slaty-breasted Rail 0 0 0 0 0 0 0 0 Water Rail 0<																						,				•	<u> </u>
Greater Scaup 0 1484 0																											
Red-breasted Merganser 9 1475 0 0 0 1484 Slaty-breasted Rail 0<		+	 	 	+		 			 	<u> </u>				 					 							\vdash
Duck sp. 9 1475 0 0 1484 Slaty-breasted Rail 0 0 0 0 Water Rail 0 0 0 0 White-breasted Waterhen 16 7 1 1 4 3 1 2 4 5 0 2 5 1 3 7 14 3 24 62 1 Watercock 0 0 0 0 0 0 0 0 0 0 Common Moorhen 1 0 4 0 0 0 0 0 0 9 2 0 11 16				+	+	-	1			1	1	1		1	1	1				 							
Slaty-breasted Rail 0 0 0 Water Rail 0 0 0 0 White-breasted Waterhen 16 7 1 1 4 3 1 2 4 5 0 2 5 1 3 7 14 3 24 62 1 Watercock 0 0 0 0 0 0 0 0 0 Common Moorhen 1 0 4 0 0 0 0 0 9 2 0 11 16		Q		1/175	+	-	1			1	1	1		1	1	1				 							
Water Rail 0 0 0 White-breasted Waterhen 16 7 1 1 4 3 1 2 4 5 0 2 5 1 3 7 14 3 24 62 1 Watercock 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 16 1 16 1<		7	1	17/3	+	 	1			 	1	1	1	1	1	1		1		<u> </u>		_					
White-breasted Waterhen 16 7 1 1 4 3 1 2 4 5 0 2 5 1 3 7 14 3 24 62 1 Watercock 0	,			+	+	-	1			1	1	1		1	1	1				 		_				_ ~	\vdash
Watercock 0 0 0 0 Common Moorhen 1 0 4 0 0 0 0 0 0 9 2 0 11 16		16	7	1	1		1		- 1	2	1	2	1	 	}	- 5	0	2	5	1	2	7	1.4	2			1
Common Moorhen 1 0 4 0 0 0 0 0 0 2 0 0 9 2 0 11 16		10	/	1	1		1		4	3	1		4	-	1	3	U		3	1	3	0	14	3			1
		1	0	1	+	-	-	-	0	0	0	0	-	 	 	0	0	0	2	0	0	,	2	0		-	\vdash
IEURASIAN COOL		I	U	4	1		1		U	U	U	U		-	-	U	U	U		U	U			U			\vdash
Pheasant-tailed Jacana 5 1 1 1 6 1		-	1	<u> </u>	1	<u> </u>	 			<u> </u>	 	 		 	1	 				<u> </u>		U			1	_ ~	1

Greater Painted Snipe	1 7		l	1	I	ı	I		ı	l 1	ĺ	I	Ì	I	İ		l 1		1		0		l	I 0	7	1 1
Black-winged Stilt	71	2	122	1				2	1	28		13		8	5	12	2	26	38	6	147	46		193	483	
Pied Avocet	1		122	1					-			-10									65			65	66	
Oriental Pratincole	-		1	1																	1			1	1	
Northern Lapwing			1	1																	0			0	0	
Grey-headed Lapwing			1	1																	0			0	0	
Pacific Golden Plover			410	1																	0			0	410	
Grey Ployer			110	1																	2			2	2	
Common Ringed Plover				1	1		1														0			0	0	
Little Ringed Plover	16	11	8	1	1		1	6	0	0	3				34	0	0	13	1	0	0	56	0	56	92	
Kentish Plover	10			1	1		1	-		0					٥.			13	-	Ü	0	30	0	0	0	
Lesser Sand Plover				1	1		1														0			0	0	
Greater Sand Plover			3	1	1		1														0			0	3	7
Black-tailed Godwit				1	1		1														465			465	465	
Bar-tailed Godwit				1																	2			2	2	
Whimbrel			1	1																	2			2	2	
Eurasian Curlew			1	1																	98			98	98	
Far Eastern Curlew			1	1																	2			2	2	
Spotted Redshank			1	1																	3			3	3	
Common Redshank			38	1															1		77			77	116	
Marsh Sandpiper	14		36	1						15	10							34	6		890	34		924	969	
Common Greenshank	5		47	1	1		1			13	10	26	20		15			34	8	5	958	15		973	1084	
Nordmann's Greenshank	3		47	-	-							20	20		13				0	3	0	13		0	0	
Green Sandpiper	2	2		-	-			8	0	0	0	7		1	0	1	0	0	0	0	0	9	0	9	21	1
Wood Sandpiper	62	10	179	-	-			0	0	1	1	4		1	4	0	6	22	5	3	88	33	0	121	386	1
Terek Sandpiper	02	10	1/9	-	-			U	U	1	1	4		1	4	U	U	22	3	3	0	33	U	0	0	
Common Sandpiper	8	9	8	-	-	1		3	2	2	0	4	1	3	5	6	4	6	11	2	3	27	2	32	78	1
Grey-tailed Tattler	0	9	0	-	-	1		3			U	4	1	3	3	0	4	0	11		0	21		0	0	1
Ruddy Turnstone			1	-																	0			0	0	
Red-necked Phalarope			1	-																	0			0	0	
Pintail Snipe				-	-																0			0	0	
Swinhoe's Snipe				-	-																0			0	0	
Pintail/Swinhoe's Snipe	1			-	-																0	1		1	1	
Common Snipe	8		1	1	-		1		-			ļ		-	1			5	2		0	5		5	17	$\overline{}$
Long-billed Dowitcher	0		1	1	1		1								1			3			0	3		0	0	
Asian Dowitcher				-	-																0			0	0	\vdash
Red Knot				-	-																0			0	0	\vdash
Great Knot				1	1		1														0			0	0	
Sanderling				1	1		1														0			0	0	
Red-necked Stint	1	1	1				1	 						1							0			0	1	
Little Stint	1	1	1				1	 						1							0			0	0	
Temminck's Stint			 	1	1		 					1			5			6			0	11		11	11	$\overline{}$
Long-toed Stint			1	1											3			0			0	11		0	0	
Pectoral Sandpiper			1	1																	0			0	0	
Sharp-tailed Sandpiper				1	1		1														0			0	0	
Dunlin			+	-	1	1	1		1			1		1							1			1	1	
Curlew Sandpiper	+		+	1			1	-					-	1							0			0	0	
Spoon-billed Sandpiper			+	-	1	1	1		1			1		1							0			0	0	$\overline{}$
Broad-billed Sandpiper			-	-	1		1					1		1							0			0	0	
Ruff	-		1	+	-	<u> </u>	1							-							0			0	0	==
		-	1		1		1					-									0			0	0	
Small wader spp. Wader sp.	+		+	1	1		1					-	-		-						0			0	0	
Black-tailed Gull	-		1	+	-	<u> </u>	1							-							0			0	0	
Diack-tailed Gull			1		1		1														U			U	U	

ITT1:?- C11	İ	i	İ	ı	ı	ı	ı	ĺ	ı	ı	ı		ı	ĺ	ı	ı	1	I	ı	1	I 0	İ	i	0	1 0	l i
Heuglin's Gull															ļ						0			,		
Yellow-legged Gull															ļ									0	0	
Slaty-backed Gull															ļ						0			0	0	
Pallas's Gull															ļ						0			0	0	
Large Gull spp.				ļ	ļ	ļ	ļ	ļ		ļ				ļ	<u> </u>						0			0	0	
Brown-headed Gull		0		ļ	ļ	ļ	ļ									_		_	_		0	_		0	0	
Black-headed Gull	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Saunders's Gull																					0			0	0	
Whiskered Tern		10								3					5	1	7			4	0	13		13	30	
White-winged Tern																					0			0	0	
Gull-billed Tern																					0			0	0	
Caspian Tern																					0			0	0	
Total	601	185	2461	67	7	19	93	165	168	354	527	88	40	31	274	57	150	272	158	292	3738	1173	339	5250	9747	304
	Deep		Ramsar		~~																					
	Bay	%	Site	%	SI																					
-	Area																									
Cormorants	889	9.1	575	11.0	0	0																				
Ardeids etc	2685	27.5	1482	28.2		0																				
Ducks, grebes, pelicans	1738	17.8	101	1.9	5	0																				
Rails, Coot etc	78	0.8	35	0.7	1	0																				
Shorebirds	4327	44.4	3044	58.0	10	0																				
Gulls and terns	30	0.3	13	0.2	0	0																				
TOTAL	9747		5250		304	0																				
Date of count: 9 Oct 2011																										
n/c = site not counted			e measure																							
# indicates count consists of c		s a count	made up	to one	week e	either s	ide of	the cou	nt date																	
% = count made at evening ro	ost																									
Wetland-dependant species																										
								DBF					Sha	NW/								Ramsar	Ramsar	Ramsar	DEEP	Starling
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Kiu	LFS	TKC	LC	TSW	MPST	ST	SPS	MPNR	ponds	mtertidai	Site	BAY	Inlet
								()														F	areas		AREA	
Osprey															1						2	1		3	3	
Black Kite	2	4						3	1	2	2				2	2	0	2	2	2	8	7	0	15	32	
White-bellied Sea Eagle																					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	0	0	0	0	0	0	0	0	0	
Imperial Eagle	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Peregrine Falcon	1																		1		0			0	2	
Pied Kingfisher	4	2	1					0	0	0	0	1			2	2	0	2	3	1	3	4	0	7	21	1
Common Kingfisher	11	6	1	1				4	0	2	0				11	0	3	3	5	2	5	17	1	23	54	1
White-throated Kingfisher	2	2	2					2	0	0	0				1	2	1	0	2	0	3	6	0	9	17	2
Black-capped Kingfisher	0	0	1	1				0	0	0	0				0	0	0	0	0	0	0	0	1	1	2	
Red-billed Starling	0	0						0	0	0	0				0	0	0	2	0	0	8	2	0	10	10	
Collared Crow	2	2	2					1	1	2	0				2	4	3	0	0	0	10	11	0	21	29	2
1	•				•	•	•		•	•					•							•				

Summary of Waterbird Count, November 2011

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	ТКС	LC	TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	33	2						27	0	1	3	2			40	0	18	13	8	41	9	75	0	84	197	8
Great Crested Grebe	1																				0			0	1	
Great Cormorant	388	84	27	1404				116	44	22	61	25			26	8	28	287	30	92	3096	493	1438	5027	5738	3
Dalmatian Pelican																					0			0	0	
Grev Heron	269	26	133	17	14	3	28	22	110	2	21	43		34	20	9	12	18	7	20	132	80	172	384	940	40
Purple Heron									1											1	3	1		4	5	
Great Egret	193	18	239	136	51	15	26	8	43	0	7	7		259	18	2	11	20	32	27	57	59	271	387	1169	102
Intermediate Egret	4	0		27				2	0	0	0				1	0	2	0	0	0	16	4	27	47	52	2
Little Egret	63	41	135	85	7	1	12	9	77	4	13	6		61	67	14	29	14	20	42	53	125	180	358	753	25
Swinhoe's Egret												-									0			0	0	
Pacific Reef Egret																					0			0	0	
Cattle Egret	1	3						2	0	0	0				0	1	7	2	2	2	2	12	0	14	22	
Chinese Pond Heron	29	33	54	11	0	0	1	3	2	2	14			6	24	5	5	17	15	13	12	57	13	82	246	4
Striated Heron	0	0	٠,	1		-	<u> </u>	1	0	0	0				0	0	0	0	0	0	0	1	0	1	1	\vdash
B-c Night Heron	17	2		2				0	0	0	1				0	0	0	0	0	1	1	0	2.	3	24	1
Yellow Bittern	0	0						0	0	0	0	1			0	0	0	0	0	1	0	0	0	0	2	-
Cinnamon Bittern	0	U						0	- 0		0	- 1			- 0	0	-	- 0	0	1	0	- 0	Ŭ	0	0	
Great Bittern	1																				0			0	1	
Black Stork	1																				0			0	0	
Black-headed Ibis																					0			0	0	
Eurasian Spoonbill																					0			0	0	
Black-faced Spoonbill	1		25	9	0	0	46		54			26			12						119	12	54	185	292	
Common Shelduck	1		23	7	0	U	40		34			20			12						0	12	34	0	0	
Eurasian Wigeon	125	0	5	90	0	1	0	0	0	0	0	35			0	0	0	0	0	0	22	0	91	113	278	
Falcated Duck	123	U		90	0	1	U	0	U	0	U	33			0	U	0	U	U	0	0	U	71	0	0	
Gadwall																					0			0	0	
Baikal Teal																				1	0			0	0	
Common Teal	595	0		9	4	0	0	0	30	0	1	28			0	0	0	0	0	0	63	0	43	106	730	1
Mallard	393	U		9	4	U	U	U	30	U	1	20			U	U	U	U	U	U	0	U	43	0	0	1
Spot-billed Duck																				1	0			0	0	
Chinese Spotbill																				1	1			1	1	
Burmese Spotbill																				1	0			0	-	
-	2		3	650			-					1					-				55		650		0	-
Northern Pintail	2		3	030																<u> </u>	2		650	705	711	
Garganey			2010	2050	400	0	0		125			4								<u> </u>	_		2504		8	
Northern Shoveler	6		2010	2050	400	0	9		135			67								<u> </u>	92		2594	2686	4769	
Common Pochard																				1	0			0	0	
Baer's Pochard	1						1		101								1				0		100	0	0	1
Tufted Duck	I	1		1		<u> </u>	 	 	101							<u> </u>	 	-	<u> </u>	<u> </u>	0	I	100	101	102	1
Greater Scaup																					0			0	0	
Red-breasted Merganser			4600	2600															ļ	ļ	0		2600	0	0	
Duck sp.			4600	2600															ļ	ļ	0		2600	2600	7200	
Slaty-breasted Rail				1			ļ	ļ	<u> </u>								ļ	ļ	<u> </u>		0		ļ	0	0	
Water Rail				ļ					L .							<u> </u>			<u> </u>	<u> </u>	0			0	0	
White-breasted Waterhen	4	5		ļ				1	1	0	1			1	2	0	0	3	0	0	1	5	1	7	19	
Watercock				<u> </u>			ļ										ļ				0			0	0	\sqcup
Common Moorhen	7	0	30	1				0	0	0	1	4			1	0	1	5	0	6	14	7	1	22	70	12
Eurasian Coot			1																		0			0	1	

les as as	i	1	1	i	ı	ì	ı	ĺ	ı	1	ĺ	i	1	i	1 1	i	1	i	ı				i	1 .	1 . 1	i
Pheasant-tailed Jacana																					1			1	1	
Greater Painted Snipe																					0			0	0	
Black-winged Stilt	40		339	2					158	5		3		2						24	0		155	155	573	
Pied Avocet	95		2400	7					26										2		0		33	33	2530	20
Oriental Pratincole																					0			0	0	
Northern Lapwing																					0			0	0	
Grey-headed Lapwing																					0			0	0	
Pacific Golden Plover			320																		0			0	320	
Grey Ployer				124																	0		124	124	124	
Common Ringed Plover																					0			0	0	
Little Ringed Plover	1	0	13					0	0	0	0			23	16	0	7	5	8	18	0	28	0	28	91	
Kentish Plover	1	Ů	71	638					-	Ŭ	Ů			23	10				-	10	0	20	638	638	709	
Lesser Sand Plover			/ 1	030																	0		030	0	0	
Greater Sand Plover					1		1														0			0	0	7
Black-tailed Godwit			100	1	1		1														0		1	1	101	,
Bar-tailed Godwit			100	1		1		1													0		1	0	0	
Whimbrel				1	1					-			-				-		1		0		1	1	1	
	-		22	126	-	<u> </u>	-	<u> </u>	-		-										0		126	126		
Eurasian Curlew			32	126		<u> </u>					1										0		126	126	158	
Far Eastern Curlew			-	1		1		1			1				1							1	1	1	_	
Spotted Redshank	-		5	70						ļ					I						1	1	7 0	2	7	
Common Redshank	1		350	78		ļ					1				_						0		78	78	429	
Marsh Sandpiper	5		141	74					25						1						0	1	99	100	246	
Common Greenshank	1	1	304	313					31			2			2					1	7	2	344	353	662	1
Nordmann's Greenshank																					0			0	0	
Green Sandpiper	3	3	1					5	1	0	3			1	2	2	2	0	4	2	0	14	1	15	29	
Wood Sandpiper	2	5	6					0	0	0	0				16	0	0	1	13	5	0	16	0	16	48	
Terek Sandpiper			1	2																	0		2	2	3	
Common Sandpiper	2	6	27	6			1	1	1	1	6	4		2	13	3	2	5	13	7	1	22	8	31	101	
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				32																	0		32	32	32	
Little Stint				-																	0			0	0	
Temminck's Stint			2																2		0			0	4	
Long-toed Stint																			T-		0			0	0	
Pectoral Sandpiper																					0			0	0	
Sharp-tailed Sandpiper	1	1	<u> </u>	1	1		1	1			1		1	1			1				0			0	0	
Dunlin			50	1470																	0		1470	1470	1520	
Curlew Sandpiper	+	-	50	17/0	1	1	1	1	 		†		 				 		 		0		17/0	0	0	
Spoon-billed Sandpiper	+	1	1	 	1	-	1	1	 		 		1				1		1		0			0	0	
Broad-billed Sandpiper	1	1	1	1	1	 	1	1	1	-	1		1	1	1		1		1		0			0	0	
Ruff				1	1	-	1		1	1	1		1				1			1	0			0	0	
	1	-	-	1	1		1	1	<u> </u>		}		1		-		1		 	1	0			0	0	
Small wader spp.	1	-	4180	1	-		-		<u> </u>		1		-				-		 	1	0			0		
Wader sp.	1		4180							1			1				1				U			U	4180	

Black-tailed Gull	1	1	1	1	ı	ı	1	l	ĺ	1	1	1	I	1	I	ı	1	Ī	ı	1	0	I	I	I 0	0	1
Heuglin's Gull				3																	0		2	3	3	
Yellow-legged Gull				3							-	-					-				0		3	0	0	
Slaty-backed Gull							1			1											0			0	0	
Pallas's Gull				-							-	-					-				0			0	0	
							1			1											0			0	0	
Large Gull spp. Brown-headed Gull							1			1											0			0	0	
	0	0	701	520			1	0	0	_	0				0	0	0	0	0	0	0	0	520	530		
Black-headed Gull	U	0	701	530			<u> </u>	0	0	0	0				0	0	0	0	0	0	_	U	530		1231	
Saunders's Gull				2			<u> </u>		ļ	<u> </u>											0		2	2	2	
Whiskered Tern							<u> </u>		ļ	<u> </u>											0			0	0	
White-winged Tern Gull-billed Tern							1			1											0			0		
				1			1			1											0		1	1	0	
Caspian Tern	1003	220	1.(200	10502	456	20	100	105	0.40	25	122	250	_	200	262	4.4	124	200	150	202	-	1016	11006	16662		227
Total	1892	229	16308	10502	476	20	123	197	840	37	132	258	0	389	262	44	124	390	156	303	3760	1016	11886	16662	36442	227
	D.						<u> </u>			<u> </u>																
	Deep	0/	Ramsar	%	CI																					
	Bay	%	Site	%	SI																					
G	Area	15.7	5035	20.2	-		<u> </u>		ļ	<u> </u>																
Cormorants	5738	15.7	5027	30.2	3	0	<u> </u>		ļ	<u> </u>																
Ardeids etc	3507	9.6	1465	8.8	174	-	<u> </u>		ļ	<u> </u>																
Ducks, grebes, pelicans	13997	38.4	6398	38.4	10	0	<u> </u>			<u> </u>																
Rails, Coot etc	90	0.2	29	0.2	12	0	<u> </u>			<u> </u>																
Shorebirds	11873		3207	19.2	28	0	1			1	ļ	1					ļ									
Gulls and terns	1237	3.4	536	3.2	0	0	ļ			ļ																
TOTAL	36442		16662		227	0					ļ	ļ					ļ									
Date of count: 13 Nov 2011																										
n/c = site not counted		High ti	de measu	red at T	BT·																					
# indicates count consists of or inc						er side	e of the	count o	date																	
% = count made at evening roost																										
,																										
Wetland-dependant species																										
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	TKC	LC	TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal	Ramsar Site	DEEP BAY	Starling Inlet
								,															areas		AKEA	
Osprey			1	8			1							2				1			0	1		1	13	1
Black Kite	3	3		13				6	1	0	2			3	3	22	1	6	6	1	34	38	13	85	104	1
White-bellied Sea Eagle							<u> </u>			<u> </u>										ļ	0			0	0	
Eastern Marsh Harrier																					0			0	0	
Common Buzzard	1													2	1		1			1	0	1		1	6	
Greater Spotted Eagle	0	0						0	1	0	0				0	1	0	0	0	0	2	1	1	4	4	
Imperial Eagle	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Peregrine Falcon																					0			0	0	
Pied Kingfisher	1	6	2					0	0	0	1	1			0	0	0	1	1	0	5	1	0	6	18	
Common Kingfisher	4	2	3	2				0	0	1	8				3	0	2	2	3	2	6	15	2	23	38	
White-throated Kingfisher	1	2	1	3				3	1	0	0	1		1	1	0	1	0	2	0	2	4	4	10	19	1
Black-capped Kingfisher	0	0	3	1				0	0	0	0			1	0	0	0	0	0	0	0	0	1	1	5	
Red-billed Starling	51	109	80					0	0	0	0			1	0	0	0	0	0	0	0	0	0	0	241	
Collared Crow	3	2		1				1	1	0	0			1	2	4	1	2	0	0	3	9	2	14	21	
Common Kestrel																		1				1				
Crested Serpent Eagle																				1						
r · · ·· o ·																										

Summary of Waterbird Count, December 2011

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	ткс	LC	TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	27	12	2					26	0	5	5	2	2		15	0	34	45	4	31	26	98	0	124	236	13
Great Crested Grebe	1		312	25	2	51	6		1						2						20		26	46	420	
Great Cormorant	144	71	803					95	47	6	106	71			27	0	9	124	31	14	7883	191	35	8109	9431	7
Dalmatian Pelican																					0			0	0	
Grey Heron	196	56	40	3	9	3	21	16	33	63	32	24	4	8	20	1	4	13	11	9	199	74	69	342	765	33
Purple Heron																					4			4	4	
Great Egret	61	281	38	197	25		16	12	11	21	8	6	5	35	11	13	33	9	66	15	53	78	249	380	916	41
Intermediate Egret	8	1		8				0	0	0	0				0	0	0	0	0	0	4	0	8	12	21	
Little Egret	80	134	105	25	5		3	13	34	47	170	6	2	17	119	9	54	9	45	17	34	208	67	309	928	27
Swinhoe's Egret																					0			0	0	
Pacific Reef Egret																					0			0	0	
Cattle Egret	0	9						0	0	0	0				0	0	5	3	6	3	4	8	0	12	30	
Chinese Pond Heron	25	24	10	1				7	6	6	12	2	2	5	22	1	11	22	22	17	8	68	5	81	203	2
Striated Heron	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
B-c Night Heron	2	0						0	0	1	0				4	0	0	0	0	0	19	4	0	23	26	10
Yellow Bittern	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Cinnamon Bittern																					0			0	0	
Great Bittern																					0			0	0	
Black Stork																					0			0	0	
Black-headed Ibis																					0			0	0	
Eurasian Spoonbill	2														1						0			0	3	
Black-faced Spoonbill	184		6	1			25		19			14			68	25	5			3	138	54	45	237	488	
Common Shelduck	104		0	1			23		17			17			00	23					0	57	73	0	0	
Eurasian Wigeon	288	0	44	2433	10	24	16	0	0	13	0	39			0	0	0	0	0	0	52	0	2483	2535	2919	
Falcated Duck	1	0		2433	10	2-7	10	0	0	13	-	37			0	-	0	-	0	0	0	0	2403	0	1	-
Gadwall	1																				0			0	0	
Baikal Teal																					0			0	0	
Common Teal	861	0						0	20	19	0	10			4	0	0	0	3	0	20	4	20	44	937	
Mallard	301	U						U	20	17	U	10				0	U	U	-	-	0	7	20	0	0	
Spot-billed Duck																				1	0			0	0	
Chinese Spotbill																				1	2			2.	2	
Burmese Spotbill																				1	0			0	0	
Northern Pintail	18			419	90		40			5		51								1	187		549	736	810	
Garganey	10			419	90		40			3		38								1	0		349	0	48	\vdash
Northern Shoveler	108		1533	1182	400	1	85		900	168		101								1	517		2568	3085	4995	\vdash
Common Pochard	100		1333	1102	400	1	0.5		900	100		101									317		2300	1	1	
Baer's Pochard																					0			0	0	
Tufted Duck	2		2100	1			18			60									-		219		18	237	2399	\vdash
			Z100	}			10			00									 	 	0		10	0	0	\vdash
Greater Scaup				 			-			-															-	\vdash
Red-breasted Merganser			6000	2220			1200			-											0		2520	2520	10220	\vdash
Duck sp.			6800	2239			1300			1									 	1	0		3539	3539	10339	\vdash
Slaty-breasted Rail				1			 			 									<u> </u>	<u> </u>	V			0	0	\vdash
Water Rail	2	2		-		-		_				_			_	1	_	_	_	0	0			0	0	<u> </u>
White-breasted Waterhen	3	3	I	1		1	1	2	0	I	0	3			3	I	0	2	2	0	3	6	2	11	26	2
Watercock			4.5					2			_	1.0				L.	_				0	10		0	0	<u> </u>
Common Moorhen	9	1	45	1				3	0	7	0	19			4	1	2	4	0	0	61	10	1	72	157	13
Eurasian Coot	5			1						1										<u> </u>	2			2	8	
Pheasant-tailed Jacana	1			<u> </u>																<u> </u>	0			0	1	

Greater Painted Snipe	ı	I	I	I	ı	ı	i	I	i	i	Ì	ı	i	i	ı	I	i	Ì	1 1	l	0	1 1	1	I 0	0	1
Black-winged Stilt	62		89	5						112					4	1			4	8	13	5	5	23	298	
Pied Avocet	403		2620	7746		-	30		200	280		-	3		13	1			24	2	372	213	7746	8331	11693	
Oriental Pratincole	403		2020	7740			30		200	200			3		13				24		0	213	7740	0	0	
Northern Lapwing																					0			0	0	
Grey-headed Lapwing			1																		0			0	1	
Pacific Golden Plover			218	16																	0		16	16	234	
Grev Plover			210	10																	0		10	0	0	2
Common Ringed Plover																					0			0	0	
Little Ringed Plover	6	0	5					3	0	0	0	6		4	3	0	38	12	2	0	0	56	0	56	79	
Kentish Plover	0	U	3					3	U	U	U	U		4	3	U	30	12		U	890	30	U	890	893	
Lesser Sand Plover			3																		0			0	093	
																					0			0	0	
Greater Sand Plover Black-tailed Godwit				-	-	-															0				0	
Bar-tailed Godwit						1						1									0			0	0	
						1						1												0		
Whimbrel				720		1						1									0		720	-	0	
Eurasian Curlew				728		1						1									400		728	1128	1128	
Far Eastern Curlew							- 1								-						0		1	0	0	
Spotted Redshank			20	1.00			1					-			1						28	1	170	30	30	
Common Redshank			29	169			I					102			5			4		2	8	5	170	183	213	
Marsh Sandpiper	8		56	661						10		193			1			4		3	35	5	661	701	961	
Common Greenshank	8		98	507						10		15			9				1	1	295	6	507	808	944	6
Nordmann's Greenshank		-									-						_	_	2	_	0	0		0	0	
Green Sandpiper	2	5						1	0	4	3	3			5	1	2	0	3	2	0	9	0	9	31	
Wood Sandpiper	62	5						0	0	1	0	5			13	0	11	0	15	10	0	22	0	22	122	
Terek Sandpiper												<u> </u>									0			0	0	
Common Sandpiper	22	8	8			1		0	0	3	1	7		3	15	9	8	6	7	12	0	31	1	32	110	1
Grey-tailed Tattler																					0			0	0	
Ruddy Turnstone																					0			0	0	
Red-necked Phalarope																					0			0	0	
Pintail Snipe																					0			0	0	
Swinhoe's Snipe																					0			0	0	
Pintail/Swinhoe's Snipe																					0			0	0	
Common Snipe	1	2	1														1				0	1		1	5	
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			10									20			1			10			0	11		11	41	
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				1																	0		1	1	1	
Heuglin's Gull				56																	0		56	56	56	

Slay-backed Gull	Yellow-legged Gull	1	l	1	1	ı	I	ı	I	I	I	ı	ı	I	l	l	ı	I	I	ı	1	l 0	l	İ	I 0	1 0	1
Pallars Carl Carporal Car																											
Large Carlot Spn																						V			•		
Brown-beaded Gull																											
Black-headed Gull																						-			_	-	
Sunder's Gull		2	0	105	1200		4		0	150	0	0				0	250	1.5	0	0	0	-	265	1254	_		
Whisewinged Term Gull-billed Term Caspian Term Deep Bay No Ramsar Sike No SI Total Deep Bay No Ramsar Sike No No SI Total Deep Bay No SI Total			U	463		-	4		U	130	U	U			<u> </u>	U	330	13	U	U	U	_	303				
White-fired a complex of the count large of the count black complex of the count black count complex of the count complex of the count black count complex of the count complex of the count complex of the count					46																ļ			46			
Gall-billed Term Cospian Term Deep Bay W Ramsur Miles Mile					<u> </u>																ļ						
Caspian Term		-																									
Total 2612 612 15462 17672 541 85 1562 178 1421 833 337 636 18 72 370 412 232 263 246 147 11497 1533 2978 34008 55208 157 Cormorants																											
Deep Page		2/12	(10	47460	4=4=0		0.5	15.0	450	- 10-1	022	225	(2)	40	L	250	44.0	222	262	215		-	4.500	****	_	-	1.55
Bay	Total	2612	612	15462	17672	541	85	1562	178	1421	833	337	636	18	72	370	412	232	263	246	147	11497	1533	20978	34008	55208	157
Ray																											
Cormorants				Ramear																							
Ardeids etc 3384 6.1 1400 4.1 113 0			%		%	SI																					
Ardeids etc 3384 6.1 1400 4.1 113 0	Cormorants	9431	17.1	8109	23.8	7	0																				
Rails, Cost etc 191 0.3 88 0.2 15 0	Ardeids etc	3384	6.1	1400		113	0																				
Shorebirds 16784 30.4 12241 36.0 9 0	Ducks, grebes, pelicans	23107	41.9	10349	30.4	13	0																				
Shorebirds 16784 30.4 12241 36.0 9 0	Rails, Coot etc	191	0.3	85	0.2	15	0																				
Collaboration Collaboratio		16784					0																				
Date of count: 18 Dec 2011	Gulls and terns		4.2			0	0																				
Date of count: 18 Dec 2011 n/c = site not counted High tide measured at TBT:				34008		157	0																				
No. Fig. High tide measured at TBT:																											
# indicates count made at evening roost Wetland-dependant species SRA SRB DBA DBB DBC DBD DBE DBF (TBT) SPR NSW LHW WEP Sha NSW LHW WEP Sha SRB	Date of count: 18 Dec 2011	1				ı																					
Wetland-dependant species SRA SRB DBA DBB DBC DBD DBE CREATE CRE			High t	ide measu	ired at	TBT:																					
Wetland-dependant species SRA SRB DBA DBB DBC DBD DBE CREATE CRE	# indicates count consists of or i	ncludes a	a count	made up	to one	week e	ither si	ide of t	he cour	nt date																	
Wetland-dependant species				1																							
Species SRA SRB DBA DBB DBC DBD DBE DBF (TBT) SPR NSW LHW WEP Sha NW LFS TKC LC TSW MPST ST SPS MPNR Ramsar ponds intertidal areas Site BAY SRA SRB DBA Satisfication Site																											
Species SRA SRB DBA DBB DBC DBD DBE DBF (TBT) SPR NSW LHW WEP Sha NW LFS TKC LC TSW MPST ST SPS MPNR Ramsar ponds intertidal areas Site BAY SRA SRB DBA Satisfication Site	Wetland-dependant species																										
Osprey	•	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP			TKC	LC	TSW	MPST	ST	SPS	MPNR	Ramsar ponds		Ramsar Site	BAY	Starling Inlet
Black Kite 28 1 2 1 0 1 2 3 2 4 4 1 1 11 41 2 54 61	Osprev	1		1	2	3	2	1	1									1			1	1	1	arcas	2		1
Eastern Marsh Harrier		28	1			2			1	0	1	2				3	2	4	4	1	1	11	41	2	54	61	
Eastern Marsh Harrier																											
Common Buzzard 2 1					1																	1			1	2	
Imperial Éagle		2	1													1	1	1				1	3		4	7	
Imperial Éagle		0	0			1			0	0	0	0				0	0	0	0	0	0	3	0	0	3	3	
Peregrine Falcon 1 1 2 3 1 1 2 1 1 0 0 0 1 5 0 1 3 2 6 15 3 Common Kingfisher 6 3 1 2 0 5 29 7 1 3 4 1 4 2 13 1 16 68 4 White-throated Kingfisher 4 1 2 1 1 2 0 0 0 2 1 2 5 3 10 22 2 Black-capped Kingfisher 4 1 2 1 0		1			1				0		0	0		1			0	0		0		2	0	0	2		
Pied Kingfisher 1 2 1 1 0 0 0 1 5 0 1 3 2 6 15 3 Common Kingfisher 6 3 1 2 0 5 29 7 1 3 4 1 4 2 13 1 16 68 4 White-throated Kingfisher 4 1 2 1 1 2 0 0 0 2 1 2 5 3 10 22 2 Black-capped Kingfisher 0 0 1 2 0<		1			1				Ť	Ť	Ť	Ť				Ť	Ť	Ť	<u> </u>	Ť	Ť	1			1		
Common Kingfisher 6 3 1 2 0 5 29 7 1 3 4 1 4 2 13 1 16 68 4 White-throated Kingfisher 4 1 2 1 1 1 2 0 0 0 2 1 0 2 1 2 5 3 10 22 2 Black-capped Kingfisher 0 0 1 2 0 <t< td=""><td><u> </u></td><td>1</td><td>2.</td><td></td><td>1</td><td>1</td><td>1</td><td></td><td>0</td><td>0</td><td>0</td><td>1</td><td></td><td></td><td></td><td>0</td><td>0</td><td>2.</td><td>1</td><td>5</td><td>0</td><td>1</td><td>3</td><td>2</td><td>6</td><td></td><td>3</td></t<>	<u> </u>	1	2.		1	1	1		0	0	0	1				0	0	2.	1	5	0	1	3	2	6		3
White-throated Kingfisher 4 1 2 1 1 1 2 0 <td></td> <td>6</td> <td></td> <td></td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>29</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>4</td> <td></td> <td></td> <td>2</td> <td></td> <td>1</td> <td></td> <td></td> <td></td>		6			1	1						29					1		4			2		1			
Black-capped Kingfisher 0 0 1 2 0		-	_	2.	1	1	1	1			_				2.	1	0	_						3			
Red-billed Starling 41 350 0 0 0 0 1 149 580 215 0 0 0 23 827 0 850 1358 20			_ •	1 1		1									<u> </u>	0					_ •		_				
	Red-hilled Starling			1		1									1												
		1	1	1	1	1	1		1						1	1	1							1			20
	Contact Clott	+ -							1															-			
Common Kestrel 1	Common Kestrel	1																			1						

Summary of Waterbird Count, January 2012

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	ткс	LC	TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	30	3							0	2	1	2			18	0	9	21	4	38	23	46	0	69	151	12
Great Crested Grebe	1		58	2	11						-			11	10					- 50	0		2	2	83	
Great Cormorant%	272*	195*	76*		170*				53*	5152	47*	59*			29*	0	0	172*	53*	82*	3151	436*	5*	3151	8303	111
Dalmatian Pelican			, ,		-, -																0			0	0	
Grev Heron	180	48	33	8	12	3	11		8	64	31	45	2	1	27	8	18	18	17	43	194	129	40	363	771	33
Purple Heron																					1			1	1	
Great Egret	151	108	20	76	22	4	12		30	10	20	5		3	13	15	7	28	43	9	44	168	143	355	620	119
Intermediate Egret	6	0		4					0	0	0				0	0	0	0	0	0	6	1	4	11	16	
Little Egret	121	56	61	6	5		210		1	20	21	5	8	5	111	4	13	11	16	16	140	162	222	524	830	31
Swinhoe's Egret																					0			0	0	
Pacific Reef Egret																					0			0	0	
Cattle Egret	3	0							0	0	0				0	0	0	0	0	0	0	0	0	0	3	
Chinese Pond Heron	27	3	10	3					0	9	7	2	1	1	19	1	6	12	18	13	5	42	3	50	137	1
Striated Heron	0	0							0	0	0				0	0	0	0	0	0	0	0	0	0	0	1
B-c Night Heron	0	5	2						0	1	0				0	0	0	0	0	0	0	0	0	0	8	
Yellow Bittern	0	0							0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Cinnamon Bittern																					0			0	0	
Great Bittern																					0			0	0	
Black Stork																					0			0	0	
Black-headed Ibis																					0			0	0	
Eurasian Spoonbill	2																				0			0	2	
Black-faced Spoonbill	175		18		18				51		2	32			8			6			132	21	69	222	442	
Common Shelduck																					0			0	0	
Eurasian Wigeon	282	0	203	875	2	268	6		10	0	0	85	3		0	0	0	0	0	0	343	0	1161	1504	2077	
Falcated Duck																					0			0	0	
Gadwall																					0			0	0	
Baikal Teal																					0			0	0	
Common Teal	601	0			16	57	1		0	43	0	88			0	0	0	0	7	0	17	0	74	91	830	2
Mallard										1											0			0	1	
Spot-billed Duck																					0			0	0	
Chinese Spotbill																					0			0	0	
Burmese Spotbill	0.5		•	02.5	10							-									0		1005	0	0	
Northern Pintail	87		2	935	10	60	-			6		69					ļ				720		1005	1725	1889	
Garganey	9		1021	1		- (2	1 70			20.6		87		_			ļ				0	1.6	2	2	98	
Northern Shoveler	416		1831	3600	14	62	79	1	677	396	4	73		2			1				406	16	4418	4840	7560	
Common Pochard																					0			0	0	
Baer's Pochard	1	2	40	 	1.4		2		2	10						-				1	0	2	17	0	<u>0</u>	
Tufted Duck	1	3	40	 	14		2	1	3	19							1			I	468	3	1 /	488	551 0	-
Greater Scaup	1			1				1									1				0			0	0	1
Red-breasted Merganser Duck sp.	61			 		410		1									1				0		410	410	471	-
Slaty-breasted Rail	01					410		-									<u> </u>				0		410	0	0	
Water Rail	+							-								<u> </u>	 				0			0	0	-
White-breasted Waterhen	4	0	5		1			2.	0	3	1	1		3	1	1	1	1	6	4	7	7	1	15	41	1
Watercock	4	U			1				U	3	1	1		3	1	1	1	1	O	4	0	/	1	0	0	1
Common Moorhen	8	1	63	-				4	2	3	0	14	-	-	5	0	0	5	0	4	47	17	0	64	156	19
Eurasian Coot	5	1	0.5					4		٥	U	14			ر	U	U	ی	U	4	4/	1 /	U	4	9	17
Pheasant-tailed Jacana	1							-								<u> </u>	 				0			0	1	1
i neasant-taneu jacana	1	<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>					<u> </u>		<u> </u>	<u> </u>			<u> </u>	U			U	1	<u> </u>

Greater Painted Snipe	I	ĺ	ĺ	1	I	1 1	ĺ				l				l	1		l	l I	1	0	Ī		0	I o I	. 1
Black-winged Stilt	32		82	4				1	10	29		64							3	9	69	1	14	84	303	
Pied Avocet	370		365	8200	680				196	277		32			1		1	29	8	12	1144	31	9076	10251	11315	20
Oriental Pratincole	370		303	0200	000				170	2//		32			-		-	- 27	0	12	0	31	7070	0	0	
Northern Lapwing																					0			0	0	
Grey-headed Lapwing	1																				0			0	1	
Pacific Golden Plover	-		296	45																	0		45	45	341	
Grey Ployer			270	430																	0		430	430	430	2
Common Ringed Plover				730																	0		730	0	0	
Little Ringed Plover	8	0	2	5				10	0	0	0	10		61	19	0	0	0	1	7	0	34	5	39	123	
Kentish Plover			40	2250				10	Ů			10		- 01	17		•	0	1		350	٥.	2250	2600	2640	4
Lesser Sand Plover			70	20																	0		20	20	20	
Greater Sand Plover				20																	0		20	0	0	27
Black-tailed Godwit			150	20				1													1	1	20	22	172	
Bar-tailed Godwit			130	1				1													0		1	1	1	
Whimbrel																					0		1	0	0	
Eurasian Curlew				800	1				1			1		2							0		801	801	805	
Far Eastern Curlew				000								1									0		001	0	0	
Spotted Redshank										5					2						19	2		21	26	
Common Redshank			36	10					1	3		4		1				2			153	2	11	166	207	
Marsh Sandpiper			50	520					1	8		150		1				4	2		63	4	520	587	797	
Common Greenshank	5		97	320					30	36		99		2	4				2		203	4	30	237	478	3
Nordmann's Greenshank			71						50	50		"									0		30	0	0	
Green Sandpiper	6	0						2	0	1	1			1	0	0	3	0	6	0	0	5	0	5	20	
Wood Sandpiper	13	0	74					0	0	5	0	10			16	0	0	0	8	19	0	13	0	13	145	
Terek Sandpiper	13	-	/	2				0	0		-	10			10	0	0	-	0	1)	0	13	2	2	2	
Common Sandpiper	12	0	11	2	1			2	2	2	5	2	1	10	10	1	1	4	13	11	3	16	5	24	93	
Grey-tailed Tattler	12	·	- 11	1									•	10	10	-	-		15		0	10		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	14		3	1						2									4	3	0		1	1	27	
Long-billed Dowitcher										_										-	0		-	0	0	
Asian Dowitcher																					0			0	0	
Red Knot				2																	0		2	2	2	
Great Knot				18																	0		18	18	18	
Sanderling																					0			0	0	
Red-necked Stint																					0			0	0	
Little Stint																					0			0	0	
Temminck's Stint	1																			3	0	1		1	4	
Long-toed Stint																					0			0	0	
Pectoral Sandpiper																					0			0	0	
Sharp-tailed Sandpiper																					0			0	0	
Dunlin			350	700																	0		700	700	1050	
Curlew Sandpiper				,																	0		,	0	0	
Spoon-billed Sandpiper	1			1		1															0			0	0	
Broad-billed Sandpiper	1			1		1															0			0	0	
Ruff																					0			0	0	
Small wader spp.																					0			0	0	
Wader sp.	3																				0			0	3	
Black-tailed Gull	† –																				0			0	0	
Heuglin's Gull	1			1	1	1			2	5											0		3	3	8	
	•		•	•	•											•										

Yellow-legged Gull	ĺ	Ì	ĺ	1	ĺ		1	ĺ	Ì	ĺ	1	1	Ì	ĺ	ĺ	ĺ	ſ	1 1	i	Ì	I 0	ĺ	ĺ	0	0 1	ı İ
Slaty-backed Gull																					0			0	0	
Pallas's Gull																					0			0	0	
Large Gull spp.	+			240																	0		240	240	240	
Brown-headed Gull				240																	0		240	0	0	
Black-headed Gull	18	0	470	1200				16	1770	6	0				0	560	37	1	8	0	334	601	2968	3903	4420	
Saunders's Gull	10	U	470	42				10	1//0	0	U				U	300	31	1	0	U	0	001	42	42	420	
Whiskered Tern				42																	0		42	0	0	
White-winged Tern																					0			0	0	
Gull-billed Tern																					0			0	0	
	+							-			-										0			0	0	
Caspian Tern	2654	227	1272	20022	808	964	222	20	2704	(105	02	990	15	102	254	500	06	1.12	1//	102		1227	24775	34149	48784	207
Total	2654	227	4372	20022	808	864	322	38	2/94	6105	93	880	15	103	254	590	96	142	166	192	8047	1327	24775	34149	48/84	387
	Deep																1									
	Bay	%	Ramsar	%	SI																					
	Area	/ 0	Site	/ 0	51																					ı
Cormorants	8303	17.0	3151	9.2	111	0																				
Ardeids etc	2830	5.8	1526	4.5	185	0																				
Ducks, grebes, pelicans	13711	28.1	9131	26.7	14	0																				
Rails, Coot etc	206	0.4	83	0.2	21	0																				
Shorebirds	19024	39.0	16070	47.1	56	0																				
Gulls and terns	4710	9.7	4188	12.3	0	0																				
TOTAL	48784		34149		387	0																				
Date of count: 15 Jan 2012																										ı
n/c = site not counted			le measur																							
# indicates count consists of or incl	ludes a co	ount mad	le up to or	ie week	either	side o	f the c	ount dat	e																	ı
% = count made at evening roost																										
Wetland-dependant species																										
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	TKC	LC	TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Osprey	1		1	2	1							1									0			0	6	1
Black Kite	0	5						1	1	0	0				3	0	0	0	0	0	1	3	0	4	11	
White-bellied Sea Eagle																					0			0	0	
Eastern Marsh Harrier																					1			1	1	
Common Buzzard	2																			1	0			0	3	
Greater Spotted Eagle	0	0						0	0	0	0				0	0	0	0	0	0	1	0	0	1	1	
Imperial Eagle	0	0						0	0	0	0				0	0	0	0	0	0	1	0	0	1	1	
Peregrine Falcon	1																				1			1	2	
Pied Kingfisher	1	0	2		1			0	0	0	0	1			1	0	1	1	1	0	2	2	1	5	11	3
Common Kingfisher	3	0						1	0	0	5	2			4	0	1	3	4	2	4	5	0	9	29	2
White-throated Kingfisher	3	0	1		1			0	0	1	0	1			2	0	1	1	0	0	1	2	1	4	12	1
Black-capped Kingfisher	0	0	2					1	0	0	0				0	0	0	0	0	0	0	1	0	1	3	3
Red-billed Starling	28	0	1					0	0	50	0				207	290	0	0	0	0	12	290	0	302	588	
Collared Crow	0	0	2					0	0	0	0				0	1	4	1	0	0	13	6	0	19	21	2
				-					<u> </u>			-			·		· · ·		· -			· · · · ·				

Summary of Waterbird Count, February 2012

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW /	ткс	LC	TSW	MPST	ST	SPS	MPNR	Ramsar	Ramsar intertidal	Ramsar	DEEP BAY	Starling
								,					Kiu	LFS								_	areas		AREA	Inlet
Little Grebe	28	12	4				1	17	2	1	2	2			10	0	16	17	9	25	46	50	1	97	192	9
Great Crested Grebe			57	25	8	14	9						1	9						1	0		56	56	124	
Great Cormorant%	330*	122*	4341*					332*	67*	5841	25*	29*			48*	0	0	157*	41*	36*	3795	535*	0	3795	9636	18
Dalmatian Pelican	4.40		• •											1.0							0	0.4		0	0	
Grey Heron	149	37	38	6	5	1	16	25	24	7	15	64		10	9	12	12	23	3	14	125	91	50	266	595	45
Purple Heron																					1			1	1	
Great Egret	87	105	11	50	4	2	3	34	23	0	3	6		2	16	2	13	14	14	6	23	74	81	178	418	125
Intermediate Egret	9	0		4				0	0	0	6				2	1	1	0	0	0	10	9	4	23	33	2
Little Egret	79	254	70	10	2	3	2	61	3	3	10	2	4	70	164	20	29	22	20	9	75	288	19	382	912	366
Swinhoe's Egret																					0			0	0	
Pacific Reef Egret																					0			0	0	
Cattle Egret	1	14						0	0	0	0				1	0	8	2	2	1	4	10	0	14	33	
Chinese Pond Heron	43	28	4					6	1	1	4			6	25	3	5	8	14	5	8	46	1	55	161	2
Striated Heron	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
B-c Night Heron	0	35						0	0	1	0				0	0	0	0	0	0	8	0	0	8	44	27
Yellow Bittern	0	0						0	0	0	1				0	0	0	0	0	0	0	1	0	1	1	
Cinnamon Bittern																					0			0	0	
Great Bittern																					0			0	0	
Black Stork																					0			0	0	
Black-headed Ibis																					0			0	0	
Eurasian Spoonbill	1																				0			0	1	
Black-faced Spoonbill	150		43				14	39			2	115			4		4	4	3		68	53	14	135	446	
Common Shelduck				4																	0		4	4	4	
Eurasian Wigeon	366	0	38	258		37	10	0	0	0	0				0	0	0	0	0	0	321	0	305	626	1030	
Falcated Duck						-		-							Ť	Ť	Ť	Ť		Ť	28			28	28	
Gadwall																					0			0	0	
Baikal Teal																					0			0	0	
Common Teal	420	0			12		6	0	2	76	0	4	4		0	0	0	0	0	0	81	2	18	101	605	8
Mallard							Ť								Ť	Ť	Ť	·	_	Ť	0			0	0	
Spot-billed Duck																					0			0	0	
Chinese Spotbill																					0			0	0	
Burmese Spotbill																					0			0	0	
Northern Pintail	54		2	2277	3		3		1												73		2284	2357	2413	
Garganey	9			2211			55		•			1									5		55	60	70	
Northern Shoveler	454		1329	3696	52	6	3		867	35		3									510	7	4617	5134	6955	
Common Pochard	7.7		1327	3070	32	0	3		807	33		3									0	,	7017	0	0	
Baer's Pochard																					1			1	1	
Tufted Duck	 		2700	 	7	1	135	45	40						1		1				380	 	183	563	3308	
Greater Scaup			2700		,	1	133	43	40												0		103	0	0	
Red-breasted Merganser	1														1	-	1			-	0	1		0	0	
Duck sp.	7		3000	8000											1		1				0		8000	8000	11007	
Slaty-breasted Rail	/		3000	0000												<u> </u>				<u> </u>	0	-	0000		0	
Water Rail	1			-											-		-				0	1		0		
	1	0		-				0	0	0	1		1	1	-	0	0	1	2	1		1	0	7	0	1
White-breasted Waterhen	4	0		 				0	0	0	1	5			2	0	0	1	2	1	6	1	0	/	22	1
Watercock	1		(1	-				0	_			11			10			1		-	0	0	0	0	0	22
Common Moorhen	3	4	61	 				0	0	5	0	11			10	0	0	I	0	I	30	9	0	39	126	22
Eurasian Coot	6			ļ											ļ		ļ				1			1	7	1
Pheasant-tailed Jacana	2					1										<u> </u>					0			0	2	<u> </u>

Black-oringed State	Greater Painted Snipe	1	1	1	i	1 1	1	1	ı				I	i	i	I	i	i	Ì	1 1	1	0		ı	0	0 1	1
Find Anwer		5.5		10				_		- 5	12						1	1		5		-	6		-	-	
Offertal Parlaments Offerty-Interface				-	11707		_	_		3			20			- 5	-					-		11707			
Northern Layuring		332		1007	11/6/						223		20			3	-			4			/	11/6/			
Grey-headed Lapwing				1									<u> </u>				-									_	
Pacific Golden Hover				2	<u> </u>		_	_					-				-										
Grey Prover Common Ranged Prover S 1					505*								<u> </u>				-							505			
Common Ringed Plover Intelligence S				113									<u> </u>				-					-		383			- 0
Little Kingade Plower 1					536												-										- 8
Kentisch Plover Leser Sand Plo		0	- 1						^	0	1	0	7		12	-	4	0	0	0	0		12	0			
Leser Sand Plover		8	1	1	200				U	U	1	0	/		12	/	4	U	U	U	U		13				
Greater Sand Plover													1				-					-					
Black-tailed Godwit					5								ļ											5			
Bart-alited Godwid					0.2								ļ				1							0.2			
Wimbrel Emassian Curlew 979					92								ļ											92			
Eurasian Curlew																											
Far Eastern Curlow																								1	•		
Spotted Redshamk					979																			979			
Common Redshank 126 29																						-			_	_	
Marsh Sandpiper																											
Common Greenshank 12																											
Nordmann's Greenshank					1990																						
Green Sandpiper 6 5 5		12		188	82						1		156	30	11	1				3	1		2	82			1
Wood Sandpiper																											
Terek Sandpiper											0				1	1			1		1						
Common Sandpiper 6 7 9		20	2						0	0	1	0	8			3	0	0	0	12	2		3	0			
Grey-tailed Tattler Red-necked Phalarope Red-necked Phalarope Red-necked Stint Little Stint Red-necked Stint Little Stint Red-necked Stint Little Stint Red-necked Stint Little Stint Red-necked Stint Little Stint Red-necked Stint Little Stint Red-necked Stint Little Stint Red-necked Stint Red-ne	Terek Sandpiper				2																			2			
Ruddy Turnstone Red - necked Phalarope Pintail Snipe Swinhoe's Snipe Dominon Snipe Shipe S	Common Sandpiper	6	7	9					0	0	0	5	2	2	5	6	6	7	6	9	2	2	24	0	26	74	
Red-necked Phalarope	Grey-tailed Tattler																					-					
Pintail Snipe																						0				0	
Swinboc's Snipe																						0				0	
Pintail/Swinhoe's Snipe	Pintail Snipe																					0				0	
Common Snipe	Swinhoe's Snipe																					0			0	0	
Long-billed Dowitcher	Pintail/Swinhoe's Snipe																					0			0	0	
Asian Dowitcher Red Knot Great Knot Sanderling Sanderli	Common Snipe	4											1									0			0	5	
Red Knot	Long-billed Dowitcher																					0			0	0	
Great Knot 4 4 0 4	Asian Dowitcher																					0			0	0	
Sanderling	Red Knot																					0			0	0	
Red-necked Stint	Great Knot				4																	0		4	4	4	
Little Stint 0 0 0 0 0 0 0 0 2 Long-toed Stint 0 </td <td>Sanderling</td> <td></td> <td></td> <td></td> <td>0</td> <td>0</td> <td></td>	Sanderling																					0			0	0	
Temminck's Stint	Red-necked Stint																					0			0	0	
Long-toed Stint	Little Stint																					0			0	0	
Pectoral Sandpiper	Temminck's Stint												2									0			0	2	
Sharp-tailed Sandpiper	Long-toed Stint																					0			0	0	
Sharp-tailed Sandpiper	Pectoral Sandpiper																					0			0	0	
Dunlin 40 3060 0 3060 3100 Curlew Sandpiper 0 0 0 0 Spoon-billed Sandpiper 0 0 0 0 Broad-billed Sandpiper 0 0 0 0 Ruff 0 0 0 0 Small wader spp. 0 0 0 0 Wader sp. 200 0 0 0 200 Black-tailed Gull 8 3 0 3 3 11																						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 8 3 0 3 3 11	Dunlin			40	3060								1		1									3060			
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 8 3 0 3 3 11					2300			_	\dashv													-					-
Broad-billed Sandpiper				1									1				1								_	_	
Ruff 0 0 0 Small wader spp. 0 0 0 Wader sp. 0 0 0 Wader sp. 0 0 200 Black-tailed Gull 8 3 0 3 3 11		<u> </u>		†	1	 	_	\dashv	\dashv				<u> </u>													_	
Small wader spp. 0 0 0 Wader sp. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 3 11 11 11 11 11 12 <td>Ruff</td> <td></td> <td><u> </u></td> <td>†</td> <td>1</td> <td></td> <td>-</td> <td>-</td> <td>\dashv</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>1</td> <td></td>	Ruff		<u> </u>	†	1		-	-	\dashv				1		1												
Wader sp. 200 0 0 200 Black-tailed Gull 8 3 0 3 3 11		-	 	 	1	 	-	-	\dashv				1		1		<u> </u>									_	
Black-tailed Gull 8 3 11		-		200	1			-	\dashv				1				1										
		-	1		3								 											3			
	Glaucous Gull	-	1	0	1	 	-	-	-+				 									0		1	1	1	

Heuglin's Gull	ĺ	1	33	270	1 1		Ì	1	1	2	1	Ì	ĺ	1	ĺ	1	1 1		ĺ	1 1	0	ĺ	270	270	305	l l
Yellow-legged Gull			33	3			<u> </u>									-	_				0		270	3	3	
CC				2			1									-					0		2	2		
Slaty-backed Gull								ļ	ļ					ļ							0		2		2	
Pallas's Gull								ļ	ļ					ļ							0			0	0	
Large Gull spp.							ļ									<u> </u>					0			0	0	
Brown-headed Gull			1000	1010																	0		1010	0	0	
Black-headed Gull	35	0	1226	1918				753	0	59	0				0	77	152	1	0	I	5	983	1918	2906	4227	
Saunders's Gull				57																	0		57	57	57	
Whiskered Tern																					0			0	0	
White-winged Tern																					0			0	0	
Gull-billed Tern																					0			0	0	
Caspian Tern																					0			0	0	
Total	2370	504	11063	35451	93	64	257	982	968	6380	49	483	41	126	266	125	250	100	112	70	7340	1684	36862	45886	67094	634
	Deep		Ramsar																							
	Bay	%	Site	%	SI																					
	Area															ļ										
Cormorants	9636	14.4	3795	8.3	18	0																				
Ardeids etc	2645	3.9	1063	2.3	567	0																				
Ducks, grebes, pelicans	25737	38.4	17027	37.1	17	0																				
Rails, Coot etc	155	0.2	47	0.1	23	0																				
Shorebirds	24315	36.2	20712	45.1	9	0																				
Gulls and terns	4606	6.9	3242	7.1	0	0																				
TOTAL	67094		45886		634	0																				
Date of count: 12 Feb 2012																										
n/c = site not counted		High tic	le measur	ed at T	BT:																					
# indicates count consists of or incl	udes a co	ount mad	le up to oi	ne weel	either	side o	f the c	ount dat	te																	
% = count made at evening roost																										
Wetland-dependant species																										
								DBF					Cha	NW/								Ramsar	Ramsar intertidal	Damsan	DEEP	Starling
Species	SRA	SRB	DBA	DBB	DBC	DBD	DBE	(TBT)	SPR	NSW	LHW	WEP	Kiu	LFS	TKC	LC	TSW	MPST	ST	SPS	MPNR	ponds	intertidal	Kallisar Sito	BAY	Inlet
								(151)					ixiu	LIS								ponus	areas	Site	AKEA	IIICt
Osprey			7	2		1	1														6			6	17	1
Black Kite	5	5	4	1			2	1	0	3	1	1			3	5	1	6	2	3	28	17	3	48	71	
White-bellied Sea Eagle																					0			0	0	
Eastern Marsh Harrier																					0			0	0	
Common Buzzard	2		1	1							1								1		4			4	10	
Greater Spotted Eagle	1	0						0	0	0	1				1	0	0	0	0	1	3	2	0	5	7	
Imperial Eagle	1	0						0	0	0	1				2	0	0	0	0	0	4	3	0	7	8	
Peregrine Falcon	1			1																	0			0	2	
Pied Kingfisher	1	1	2					2	0	0	0				0	0	0	1	1	0	0	3	0	3	8	2
Common Kingfisher	0	3	1					1	0	0	3				6	0	3	2	5	2	4	9	0	13	30	2
White-throated Kingfisher	1	3	2	İ			İ	0	0	0	0	1			2	0	1	0	2	0	1	3	0	4	13	1
Black-capped Kingfisher	0	0	1					0	0	0	0	İ			0	0	0	0	0	0	0	0	0	0	1	2
Red-billed Starling	78	26	<u> </u>	1				8	0	0	0			1	88	550	15	150	16	24	100	803	0	903	1055	
Collared Crow	1	1	2					3	0	0	0	 			1	2	3	2	0	0	2	9	0	11	17	
	+ -	t i	† -	1			1		Ť	Ť	Ŭ			1	<u> </u>	ΙĪ	1		Ŭ			<u> </u>			T	
Common Kestrel	1										1	 				 			1							
			1	1	1		1	1	<u> </u>	1	<u> </u>	l	1		I .	1	1					1			1	

Summary of Waterbird Count, March 2012

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	ткс	LC	TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	24	16	2					24	2	7	2	1			18	0	11	18	13	34	40	53	0	93	212	9
Great Crested Grebe		- 10	6	42	3	2				,	<u> </u>	-		17	10	_		10	- 10	٥.	0		47	47	70	
Great Cormorant	142	122	27	7		_		302	0	411	22	31		- /	82	0	7	268	28	8	4450	573	7	5030	5907	109
Dalmatian Pelican				<u> </u>							1										0		,	0	0	
Grey Heron	212	17	10	5			13	34	24	31	5	64	1	8	6	5	1	6	2	1	162	54	38	254	607	82
Purple Heron								1				1		Ť		_					4			4	6	
Great Egret	7	27	62	26		1	6	39	4	42	32	1		4	14	3	85	11	3	0	32	161	36	229	399	254
Intermediate Egret	4	0	1					0	0	0	0				0	0	0	0	0	0	3	0	0	3	8	
Little Egret	18	32	49	16				42	12	5	13	1	10	30	102	7	240	15	10	4	34	325	26	385	640	23
Swinhoe's Egret																					0			0	0	
Pacific Reef Egret																					0			0	0	
Cattle Egret	0	0						0	0	0	0				7	0	0	9	0	17	13	9	0	22	46	
Chinese Pond Heron	12	19	5					10	0	3	2			1	15	6	2	12	13	2	7	45	0	52	109	2
Striated Heron	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	$\overline{}$
B-c Night Heron	0	48						0	0	1	0				0	0	0	0	0	0	1	0	0	1	50	\Box
Yellow Bittern	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Cinnamon Bittern																					0			0	0	
Great Bittern																					1			1	1	
Black Stork																					0			0	0	
Black-headed Ibis																					0			0	0	
Eurasian Spoonbill	2														1						0	1		1	3	
Black-faced Spoonbill	66	3	36				1	3			1	88			15		2	4			136	25		161	355	
Common Shelduck				7																	0		7	7	7	
Eurasian Wigeon	461	0	11	510	3		34	0	0	2	1	33			0	0	0	0	0	0	199	1	547	747	1254	
Falcated Duck																					0			0	0	
Gadwall																					0			0	0	
Baikal Teal																					0			0	0	
Common Teal	472	0		5				0	0	0	0	5			0	0	0	0	0	0	29	0	5	34	511	13
Mallard																					0			0	0	
Spot-billed Duck																					0			0	0	
Chinese Spotbill																					0			0	0	
Burmese Spotbill																					0			0	0	
Northern Pintail	45			20																	19		20	39	84	
Garganey												58									21			21	79	
Northern Shoveler	436		106	350				3	199	135		152							3		297	3	350	650	1681	
Common Pochard																					0			0	0	
Baer's Pochard																					1			1	1	
Tufted Duck			960		76	5	30	60	70												122		111	233	1323	
Greater Scaup																					2			2	2	
Red-breasted Merganser																					0			0	0	
Duck sp.	53		1070		60																0		60	60	1183	
Slaty-breasted Rail																					0			0	0	
Water Rail																					0			0	0	
White-breasted Waterhen	2	6	4		2			3	0	3	1	1		1	4	0	1	1	1	0	2	8	2	12	32	2
Watercock																					0			0	0	
Common Moorhen	11	8	54					2	0	4	2	9			15	0	0	2	5	3	61	21	0	82	176	20
Eurasian Coot	1																				4			4	5	
Pheasant-tailed Jacana	2										1										0			0	2	

Greater Painted Snipe		I	I	l	ĺ	ĺ	l	i	ĺ	I	İ	ı	i	l	I	I	l	l	l	I	0	1	i	0	0	i I
Black-winged Stilt	19		31							166	1								1	1	116	1		117	335	
Pied Avocet	522	5	101	980						19	17	43	5		22		30	15	2	8	6554	84	980	7618	8323	
Oriental Pratincole	322	,	101	900						19	1 /	43	3		22		30	13		0	10	04	700	10	10	
Northern Lapwing				1								-					<u> </u>				0			0	0	
Grey-headed Lapwing				1								-					<u> </u>				0			0	0	
Pacific Golden Plover			350	1								-					<u> </u>				0			0	350	
Grey Plover			330	1													1				1			1	1	
Common Ringed Plover	+																1				0			0	0	
	20	10	1					2	0	1	0	-		5	10	0		4	0			20	0			
Little Ringed Plover	30	10	1					3	0	1	9	5		3	19	0	6	4	U	0	0 8	38	0	38 8	93	
Kentish Plover Lesser Sand Plover	+		1														1				0			0		
	+																1				2			2	0	2
Greater Sand Plover	-			<u> </u>								-					<u> </u>				0				2	3
Black-tailed Godwit	-			<u> </u>			ļ										<u> </u>							0	0	
Bar-tailed Godwit																	1				0			0	0	-
Whimbrel													1				1				0			0	1 207	-
Eurasian Curlew												I					ļ				304			304	305	
Far Eastern Curlew	ļ .			ļ			ļ										<u> </u>				0			0	0	
Spotted Redshank	1			ļ													ļ				0			0	1	
Common Redshank			1									41			1						133	1		134	176	
Marsh Sandpiper												622			16			3		3	38	17		55	682	
Common Greenshank	2		356									153	30		5				3	1	300	4		304	850	2
Nordmann's Greenshank																					1			1	1	
Green Sandpiper	1	1						0	0	1	3			1	2	0	0	1	1	1	0	4	0	4	12	1
Wood Sandpiper	5	6	5					2	0	2	2	40			9	0	0	1	2	6	0	12	0	12	80	
Terek Sandpiper																					0			0	0	
Common Sandpiper	4	6	2			1		4	1	2	0	2	1	4	12	5	6	5	4	4	0	28	2	30	63	
Grey-tailed Tattler																					0			0	0	i
Ruddy Turnstone																					0			0	0	i
Red-necked Phalarope																					0			0	0	1
Pintail Snipe																					0			0	0	1
Swinhoe's Snipe																					0			0	0	1
Pintail/Swinhoe's Snipe	1																				0			0	1	1
Common Snipe		3	4									1						1			1	1		2	10	1
Long-billed Dowitcher																					0			0	0	1
Asian Dowitcher																					0			0	0	
Red Knot																					0			0	0	
Great Knot																					0			0	0	
Sanderling																					0			0	0	
Red-necked Stint														1							7			7	8	
Little Stint																					0			0	0	
Temminck's Stint																					0			0	0	
Long-toed Stint	1																				0			0	1	
Pectoral Sandpiper																					0			0	0	
Sharp-tailed Sandpiper																					0			0	0	
Dunlin			100																		10			10	110	
Curlew Sandpiper			230																		12			12	242	
Spoon-billed Sandpiper			220		1	1			1		1						1				0			0	0	
Broad-billed Sandpiper			†														†	 			0			0	0	$\overline{}$
Ruff			1									1					1	1			0			0	0	
Small wader spp.				 	1	 	 		 		1			 	1	1	1				0			0	0	$\overline{}$
Wader sp.			1		1	1			1		1	1		1			 				0			0	0	
Black-tailed Gull			+	2			 					1		 		 	 	 			0		2	2	2	$\overline{}$
Heuglin's Gull			+	186			-					1					 	 			1		186	187	187	
neugiiii s Guii				180											l						1		180	18/	18/	

Yellow-legged Gull	1		1	l	ı	l	1	l	I	I	ĺ	I		l	ĺ		l				0	I	Ī	0	0	I
Slaty-backed Gull																					0			0	0	
Pallas's Gull																					0			0	0	
																								0		
Large Gull spp.	+																				0				0	
Brown-headed Gull			100	4.0						404					_	4040		0	_		0	=0.4	4.0	0	0	
Black-headed Gull	50	0	420	10				0	0	101	1				0	1010	0	0	0	0	340	701	10	1051	1932	
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	2606	329	4005	2166	144	9	84	532	312	936	114	1353	48	72	365	1036	391	376	91	93	13478	2170	2436	18084	28540	520
	Deep Bay		Ramsar																							
	Area	%	Site	%	SI																					
Cormorants	5907	20.7	5030	27.8	109	0																				
Ardeids etc	2224	7.8	1113	6.2	361	0																				
Ducks, grebes, pelicans	6407	22.4	1934	10.7	22	0																				
Rails, Coot etc	213	0.7	98	0.5	22	0																				
Shorebirds	11668	40.9	8669	47.9	6	0																				
Gulls and terns	2121	7.4	1240	6.9	0	0																				
TOTAL	28540	7.4	18084	0.7	520	0																				
TOTAL	20340		10004		320	U																				
Date of count: 11 Mar 2012			1	<u> </u>		<u> </u>		l																		
n/c = site not counted		High tide n	neasured a	t TBT:																						
# indicates count consists of or includes a	count made un				count	date																				
% = count made at evening roost	count made up	to one week	conner sia	c or the	count	aute																				
70 Count made at evening 100st			1	l		l		1																		
																									1	
1887 AT 1 1 1 A			1																							
Wetland-dependant species																										
	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	ткс	LC	TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal	Ramsar Site	DEEP BAY AREA	Starting
Species		SRB	DBA		DBC	DBD	DBE	(TBT)	SPR	NSW	LHW	WEP		NW / LFS			TSW	MPST	ST	SPS		ponds		Site	BAY AREA	Starting
Species Osprey	1		DBA	DBB	DBC	DBD	DBE	(TBT)				WEP		/	TKC	1					1	ponds 3	intertidal areas	Site 4	BAY AREA 8	Starting
Species Osprey Black Kite		SRB 0	DBA		DBC	DBD	DBE	(TBT)	SPR 0	NSW 0	LHW 0	WEP		/			TSW	MPST	ST	SPS 0	1 1	ponds	intertidal	Site 4 5	BAY AREA 8 7	Starting
Species Osprey Black Kite White-bellied Sea Eag	1		DBA		DBC	DBD	DBE	(TBT)				WEP		/		1					1 1 0	ponds 3	intertidal areas	Site 4 5 0	BAY AREA 8 7 0	Starting
Species Osprey Black Kite White-bellied Sea Eag Eastern Marsh Harrier	1 2		DBA		DBC	DBD	DBE	(TBT)	0			WEP		/		1					1 1 0 0	ponds 3	intertidal areas	Site 4 5 0 0	BAY AREA 8 7 0	Starting
Species Osprey Black Kite White-bellied Sea Eag Eastern Marsh Harrier Common Buzzard	2	0	DBA		DBC	DBD	DBE	1 0	0	0	0	WEP		/	1	1 0	1	1	1	0	1 1 0 0 3	3 4	intertidal areas 0	5 0 0 4	BAY AREA 8 7 0 0	Starting
Species Osprey Black Kite White-bellied Sea Eag Eastern Marsh Harrier Common Buzzard Greater Spotted Eagle	1 2	0	DBA		DBC	DBD	DBE	(TBT) 1 0 0	0 1 0	0	0	WEP		/	1 1 0	0	0	0	0	0	1 1 0 0 3	3 4 0	o 1 0	Site 4 5 0 0 4 1	BAY AREA 8 7 0 0 6 1	Starting
Species Osprey Black Kite White-bellied Sea Eag Eastern Marsh Harrier Common Buzzard Greater Spotted Eagle Imperial Eagle	2	0	DBA		DBC	DBD	DBE	1 0	0	0	0	WEP		/	1	1 0	1	1	1	0	1 1 0 0 3 1 3	3 4	intertidal areas 0	Site 4 5 0 4 1 4 4 4 4 4 4 4	BAY AREA 8 7 0 0 6 1 4	Starting
Species Osprey Black Kite White-bellied Sea Eag Eastern Marsh Harrier Common Buzzard Greater Spotted Eagle	1 2 2 0	0	DBA		DBC	DBD	DBE	(TBT) 1 0 0	0 1 0	0	0	WEP		/	1 1 0	0	0	0	0	0	1 1 0 0 3	3 4 0	o 1 0	Site 4 5 0 0 4 1	BAY AREA 8 7 0 0 6 1	Starting
Species Osprey Black Kite White-bellied Sea Eag Eastern Marsh Harrier Common Buzzard Greater Spotted Eagle Imperial Eagle	1 2 2 0	0	DBA		DBC	DBD	DBE	(TBT) 1 0 0	0 1 0	0	0	WEP		/	1 1 0	0	0	0	0	0	1 1 0 0 3 1 3	3 4 0	o 1 0	Site 4 5 0 4 1 4 4 4 4 4 4 4	BAY AREA 8 7 0 0 6 1 4	Starting
Species Osprey Black Kite White-bellied Sea Eag Eastern Marsh Harrier Common Buzzard Greater Spotted Eagle Imperial Eagle Peregrine Falcon	1 2 2 0	0	DBA 1		DBC	DBD	DBE	(TBT) 1 0 0 0 0	0 1 0 0	0	0	WEP		/	1 1 0 0	0 0	0 0	0 0	0 0	0 0 0	1 1 0 0 3 1 3 0	9 ponds 3 4 0 1	0 1 0 0	5 0 0 4 1 4 0 0	BAY AREA 8 7 0 0 6 1 4	Inlet 1
Species Osprey Black Kite White-bellied Sea Eag Eastern Marsh Harrier Common Buzzard Greater Spotted Eagle Imperial Eagle Peregrine Falcon Pied Kingfisher	1 2 2 0	0 0 0	DBA 1 1 1 1 1 1		DBC	DBD	DBE	0 0 1	0 1 0 0	0 0 0	0 0 0 0			/	1 1 0 0	0 0	0 0	0 0	0 0	0 0 0	1 1 0 0 3 1 3 0 2	9 ponds 3 4 0 1 1 4	0 1 0 0 0 0 0	Site 4 5 0 4 1 4 1 4 0 6	BAY AREA 8 7 0 0 6 1 4 0 9	Inlet 1
Species Osprey Black Kite White-bellied Sea Eag Eastern Marsh Harrier Common Buzzard Greater Spotted Eagle Imperial Eagle Peregrine Falcon Pied Kingfisher Common Kingfisher	1 2 2 0 1 1 1 1 1	0 0 0	DBA 1 1 1 1 1 1		DBC	DBD	DBE	0 0 1 1	0 1 0 0 0	0 0 0 1 0	0 0 0 1 5			/	0 0 0 3	0 0 0 0	0 0 0	0 0 2 2 2	0 0 0 2	0 0 0 1	1 0 0 3 1 3 0 2	9 ponds 3 4 0 1 1 4 6	0 1 0 0 0 0 0	Site 4 5 0 4 1 4 1 4 0 6 8	BAY AREA 8 7 0 0 6 1 4 0 9	Inlet 1
Species Osprey Black Kite White-bellied Sea Eag Eastern Marsh Harrier Common Buzzard Greater Spotted Eagle Imperial Eagle Peregrine Falcon Pied Kingfisher Common Kingfisher White-throated Kingfisher	1 2 0 1 1 1 1 4	0 0 0 1 5	DBA 1 1 1 1 1 1 1		DBC	DBD	DBE	0 0 0 1 1 0	0 1 0 0 0	0 0 0 1 0	0 0 0 1 5			/	0 0 0 3 0	0 0 0 0	0 0 0 1 0	0 0 2 2 1	0 0 2 0	0 0 0 0 1	1 0 0 3 1 3 0 2 2	9 ponds 3 4 0 1 1 4 6	0 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Site 4 5 0 4 1 4 1 4 0 6 8	BAY AREA 8 7 0 0 6 1 4 0 9 25	1

Winter 2011-12 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Appendix 2



The Hong Kong Bird Watching Society



Agriculture, Fisheries and Conservation Department

Peak counts of each waterbird species, mid-winter period (December to February) 2011-12.

Cormorants

Great Cormorants	9,636

Ardeids and Ciconiiformes

Grey Heron	771
Purple Heron	4
Great Egret	916
Intermediate Egret	33
Little Egret	928
Swinhoe's Egret	0
Pacific Reef Egret	0
Cattle Egret	33
Chinese Pond Heron	203
Striated Heron	0
Black-crowned Night Heron	44
Yellow Bittern	1
Cinnamon Bittern	0
Great Bittern	0
Black Stork	0
Black-headed Ibis	0
Eurasian Spoonbill	3
Black-faced Spoonbill	488
Sub-total:	3,424

Ducks, Grebes and Pelicans

Little Grebe		236
Great Crested Grebe		420
Dalmatian Pelican		0
Common Shelduck		6
Eurasian Wigeon		2,919
Falcated Duck		28
Gadwall		0
Baikal Teal		0
Common Teal		937
Mallard		1
'Unassigned' Spotbill		0
Chinese Spotbill		2
Burmese Spotbill		0
Northern Pintail		2,413
Gargeney		98
Northern Shoveler		7,560
Common Pochard		1
Baer's Pochard		1
Tufted Duck		3,308
Greater Scaup		0
Smew		0
Red-breasted Merganser		0
Unidentified duck		7,813
	Sub-total:	25,743

Rails and Coots

Slaty-breasted Rail	0
Water Rail	0
White-breasted Waterhen	41
Ruddy-breasted Crake	0
Watercock	0

Common Moorhen	157
Eurasian Coot	9
Sub-total:	207

Shorebirds

SHOTELINGS	
Pheasant-tailed Jacana	2
Greater Painted Snipe	0
Black-winged Stilt	720
Pied Avocet	14,604
Oriental Pratincole	0
Northern Lapwing	0
Grey-headed Lapwing	3
Pacific Golden Plover	775
Grey Plover	536
Common Ringed Plover	0
Little Ringed Plover	123
Kentish Plover	2,640
Lesser Sand Plover	20
Greater Sand Plover	0
Black-tailed Godwit	520
Bar-tailed Godwit	1
Whimbrel	1
Eurasian Curlew	1,128
Far Eastern Curlew	0
Spotted Redshank	30
	365
Common Redshank	
Marsh Sandpiper	2,237
Common Greenshank	944
Nordmann's Greenshank	1
Green Sandpiper	31
Wood Sandpiper	145
Terek Sandpiper	10
Common Sandpiper	110
Grey-tailed Tattler	0
Ruddy Turnstone	0
Red-necked Phalarope	0
Pintail Snipe	0
Swinhoe's Snipe	0
Pintail/Swinhoe's Snipe	0
Common Snipe	27
Long-billed Dowitcher	0
Asian Dowitcher	0
Red Knot	2
Great Knot	18
Sanderling	0
Red-necked Stint	0
Little Stint	0
Temminck's Stint	41
Long-toed Stint	0
Pectoral Sandpiper	0
Sharp-tailed Sandpiper	0
Dunlin Dunk	3,100
Curlew Sandpiper	0
Spoon-billed Sandpiper	0
Broad-billed Sandpiper	0
Ruff	0
Unidentified small-sized Shorebird	
Sub-total:	0 28 122
Suv-total:	28,133

Gulls and Terns

Black-tailed Gull	11
Glaucous Gull	1
Heuglin's Gull	305

Yellow-legged Gull	3
Slaty-backed Gull	3
Pallas's Gull	0
Unidentified large Gull (assumed to be same as Heuglin's Gull)	240*
same as Heuglin's Gull)	
Relict Gull	0
Brown-headed Gull	0
Black-headed Gull	4,964
Saunders's Gull	57
Whiskered Tern	0
White-winged Tern	0
Gull-billed Tern	0
Caspian Tern	6
Sub-total:	5,349

Summary of sub-totals of different waterbird groups, December 2011 to February 2012.

Group		Sub-total
Cormorants		9,636
Ardeids		3,424
Ducks, Grebes and Pelicans		25,743
Rails and Coots		207
Shorebirds		28,133
Gulls and Terns		5,349
	Total	72,492

Winter 2011-12 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Appendix 3



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

Low-tide count, December 2011

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	0	0	6					0	0	0	0	0	0	0	0	0	0	0	6	
Great Crested Grebe			12												0			0	12	
Great Cormorant	0	0	30	21				0	0	0	0	0	0	0	0	0	21	21	51	
Dalmatian Pelican															0			0	0	
Grev Heron	0	0	67	32				0	0	0	0	0	0	0	0	0	32	32	99	
Purple Heron	-			_											0	-	_	0	0	
Great Egret	0	0	70	111				0	0	0	0	0	0	0	0	0	111	111	181	
Intermediate Egret	0	0	, ,					0	0	0	0	0	0	0	0	0	0	0	0	
Little Egret	0	0	51	61				0	0	0	0	0	0	0	0	0	61	61	112	†
Swinhoe's Egret		Ů						Ů		Ů	Ů			Ü	0	- V	01	0	0	†
Pacific Reef Egret															0			0	0	
Cattle Egret	0	0						0	0	0	0	0	0	0	0	0	0	0	0	+
Chinese Pond Heron	0	0	18	14	1	1		0	0	0	0	0	0	0	0	0	14	14	32	+
Striated Heron	0	0	10	17	1	 	-	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	0	0	+
Yellow Bittern	0	0			1			0	0	0	0	0	0	0	0	0	0	0	0	
Cinnamon Bittern	U	U						U	U	U	U	U	U	U	0	U	U	0	0	+
Great Bittern															0			0	0	+
Black Stork															0			0	0	+
Black-headed Ibis															0			0	0	+
					<u> </u>															-
Eurasian Spoonbill			2												0			0	0	
Black-faced Spoonbill			2												0			0	2	
Common Shelduck	_	0	1.5.5							0			0	_	0		_	0	0	
Eurasian Wigeon	0	0	155		ļ			0	0	0	0	0	0	0	0	0	0	0	155	
Falcated Duck					ļ										0			0	0	
Gadwall															0			0	0	
Baikal Teal															0		_	0	0	
Common Teal	0	0						0	0	0	0	0	0	0	0	0	0	0	0	
Mallard															0			0	0	
Spot-billed Duck															0			0	0	
Chinese Spotbill															0			0	0	
Burmese Spotbill					ļ	ļ									0			0	0	
Northern Pintail															0			0	0	
Garganey															0			0	0	
Northern Shoveler			2954												0			0	2954	
Common Pochard															0			0	0	
Baer's Pochard															0			0	0	
Tufted Duck			600												0			0	600	
Greater Scaup															0			0	0	
Red-breasted Merganser															0			0	0	
Duck sp.			6800	720											0		720	720	7520	
Slaty-breasted Rail															0			0	0	
Water Rail															0			0	0	
White-breasted Waterhen	0	0	1					0	0	0	0	0	0	0	0	0	0	0	1	
Watercock								Ť				Ť	_	_	0			0	0	
Common Moorhen	0	0	10		l			0	0	0	0	0	0	0	0	0	0	0	10	
Common Wigornen	U	U	10					U	U	U	U	U	U	U	U	U	U	U	10	

Eurasian Coot				1	I	1	1	I	I	I	I	1	1		0	I		0	0	
Pheasant-tailed Jacana															0			0	Õ	
Greater Painted Snipe															0			0	0	
Black-winged Stilt			510												0			0	510	
Pied Avocet			2524	670			1								0		670	670	3194	
Oriental Pratincole			2324	0/0											0		670		0	
							1								-			0		
Northern Lapwing			1				ļ								0			0	1	
Grey-headed Lapwing															0			0	0	
Pacific Golden Plover			20												0			0	20	
Grey Plover															0			0	0	
Common Ringed Plover															0			0	0	
Little Ringed Plover	0	0	15					0	0	0	0	0	0	0	0	0	0	0	15	
Kentish Plover			10												0			0	10	
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							<u> </u>								0			0	0	
Eurasian Curlew			15	26		1									0		26	26	41	
Far Eastern Curlew			1.0	20			†					-	1		0		20	0	0	
Spotted Redshank		1	10			 	 	 		 	 	1			0	-		0	10	
Common Redshank		-	20			 	 					-	-		0			0	20	
Marsh Sandpiper			22				ļ								0			0	22	
Common Greenshank			37												0			0	37	
Nordmann's Greenshank															0			0	0	
Green Sandpiper	0	0						0	0	0	0	0	0	0	0	0	0	0	0	
Wood Sandpiper	0	0	20					0	0	0	0	0	0	0	0	0	0	0	20	
Terek Sandpiper															0			0	0	
Common Sandpiper	0	0	17					0	0	0	0	0	0	0	0	0	0	0	17	
Grey-tailed Tattler															0			0	0	
Ruddy Turnstone															0			0	0	
Red-necked Phalarope															0			0	0	
Pintail Snipe															0			0	0	
Swinhoe's Snipe															0			0	0	
Pintail/Swinhoe's Snipe															0			0	0	
Common Snipe			2				1								0			0	2	
Long-billed Dowitcher							1						1		0			0	0	
							<u> </u>								0			0	0	
Asian Dowitcher							1													
Red Knot															0			0	0	
Great Knot		ļ					ļ								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	Õ	
Curlew Sandpiper						1	l								0			0	0	
Spoon-billed Sandpiper						l	1								0			0	0	
Broad-billed Sandpiper		1					 					1	 		0			0	0	
Ruff						 	1			-	-				0			0	0	
							}	-		-	-	-								
Small wader spp.				150											0		150	150	150	

Wader sp.	I	I	7920	380	Ì	l	ĺ	ı	l	ı	Ì	I	l		0	ı	380	380	8300	l I
Black-tailed Gull			1920	300											0		300	0	0	
Heuglin's Gull	1														0			0	0	
Yellow-legged Gull	1									1					0			0	0	
Slaty-backed Gull															0			0	0	
Pallas's Gull															0			0	0	
	1			42						-					0		42	42	42	
Large Gull spp.				42						<u> </u>					0		42	0	0	
Brown-headed Gull Black-headed Gull	0	0	010	1420				0	0	0	0	0	0	0	0	0	1420	1420	2330	
	U	U	910	1420				U	0	0	U	0	0	0	0	U	1420			
Saunders's Gull										<u> </u>								0	0	
Whiskered Tern										<u> </u>					0			0	0	
White-winged Tern	<u> </u>																	0	0	
Gull-billed Tern	<u> </u>		-												0			0	0	
Caspian Tern			6	2645				•							0	•	2645	0	6	
Total	0	0	22835	3647	0	0	0	0	0	0	0	0	0	0	0	0	3647	3647	26482	0
	D																			
	Deep	%	Ramsar	%	SI															
	Bay Area	/ 0	Site		51															
Cormorants	51	0.2	21	0.575816	0	0														
Ardeids etc	426	1.6	218	5.977516	0	0														
Ducks, grebes, pelicans	11247	42.5	720	19.74225	0	0														
Rails, Coot etc	11	0.0	0	0	0	0														
Shorebirds	12369	46.7	1226	33.61667	0	0														
Gulls and terns	2378	9.0	1462	40.08774	0	0														
TOTAL	26482		3647		0	0														
Date of count: 18 Dec 2011 (low tide)																				
n/c = site not counted	High tide	measure	d at TBT:																	
# indicates count consists of or includes a count ma	ade up to o	ne week	either side	e of the co	unt date	е														
% = count made at evening roost																				
Wetland-dependant species																				
																	Ramsar		DEEP	
	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	TSW	MPST	ST	SPS	MPNR	Ramsar	intertidal	Ramsar	BAY	Starling
C	514.1	5112	22.1	222	220	222	DDD	(LRL)	2111	11011	10		~ -	515	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ponds	areas	Site	AREA	Inlet
Species Osprey				1											0			0	1	
Black Kite	0	0	2	4				0	0	0	0	0	0	0	0	0	4	4	6	
White-bellied Sea Eagle	U	U		4				U	U	U	U	U	U	U	0	U	4	0	0	
Eastern Marsh Harrier															0			0	0	
			3												0			0	3	
Common Buzzard	0	0	3					0	0	0	0	0	0	0	0	0	0	0	0	
Greater Spotted Eagle	0							0		_	0	0	0			0				
Imperial Eagle	0	0						U	0	0	0	U	0	0	0	U	0	0	0	
Peregrine Falcon	0	0		1					0	0	_	0	0	0	0	0	1	0	0	
Pied Kingfisher	0	0	1	1	 			0	0	0	0	0	0	0	0	0	1	1	1	
Common Kingfisher	0	0	1		-			0	0	0	0	0	0	0	0	0	0	0	1	
White-throated Kingfisher	0	0	2		ļ			0	0	0	0	0	0	0	0	0	0	0	2	
Black-capped Kingfisher	0	0	2					0	0	0	0	0	0	0	0	0	0	0	2	
Red-billed Starling	0	0	7		ļ			0	0	0	0	0	0	0	0	0	0	0	7	
Collared Crow	0	0	1					0	0	0	0	0	0	0	0	0	0	0	1	

Low-tide count, January 2012

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	TKC	LC	TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	0	0	1					0	0	0	0				0	0	0	0	0	0	0	0	0	0	1	1
Great Crested Grebe			2																		0			0	2	
Great Cormorant	0	0	70					0	0	0	0				0	0	0	0	0	0	0	0	0	0	70	
Dalmatian Pelican																					0			0	0	
Grey Heron	0	0	16	24				0	0	0	0				0	0	0	0	0	0	0	0	24	24	40	
Purple Heron																					0			0	0	
Great Egret	0	0	10	27				0	0	0	0				0	0	0	0	0	0	0	0	27	27	37	
Intermediate Egret	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Little Egret	0	0	85	19				0	0	0	0				0	0	0	0	0	0	0	0	19	19	104	
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	0	0	0	0	
Chinese Pond Heron	0	0	8					0	0	0	0				0	0	0	0	0	0	0	0	0	0	8	
Striated Heron	0	0	Ť					0	0	0	0			1	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	0	0	0	0	
Yellow Bittern	0	0	1					0	0	0	0				0	0	0	0	0	0	0	0	0	0	1	
Cinnamon Bittern																	Ť	-			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																		0			0	2	
Common Shelduck			_	7																	0			0	7	
Eurasian Wigeon	0	0	200	197				0	0	0	0				0	0	0	0	0	0	0	0	197	197	397	
Falcated Duck																					0			0	0	
Gadwall																					0			0	0	
Baikal Teal																					0			0	0	
Common Teal	0	0		592				0	0	0	0				0	0	0	0	0	0	0	0	592	592	592	
Mallard																					0			0	0	
Spot-billed Duck																					0			0	0	
Chinese Spotbill																					0			0	0	
Burmese Spotbill																					0			0	0	
Northern Pintail			2	36																	0			0	38	
Garganey																					0			0	0	
Northern Shoveler			1834	370																	0			0	2204	
Common Pochard																					0			0	0	
Baer's Pochard																					0			0	0	
Tufted Duck																					0			0	0	
Greater Scaup																					0			0	0	
Red-breasted Merganser																					0			0	0	
Duck sp.																					0			0	0	
Slaty-breasted Rail																					0			0	0	
Water Rail																					0			0	0	
White-breasted Waterhen	0	0	2					0	0	0	0			1	0	0	0	0	0	0	0	0	0	0	2	
Watercock	1								_		Ť				_	T -		_	-	_	0	_	_	0	0	
Common Moorhen	0	0	55					0	0	0	0				0	0	0	0	0	0	0	0	0	0	55	

1	i		1					i	i	i		i			i			i				i	i			
Eurasian Coot																					0			0	0	
Pheasant-tailed Jacana																					0			0	0	
Greater Painted Snipe																					0			0	0	
Black-winged Stilt			80																		0			0	80	
Pied Avocet			280	910																	0			0	1190	
Oriental Pratincole																					0			0	0	
Northern Lapwing																					0			0	0	
Grey-headed Lapwing																					0			0	0	
Pacific Golden Plover			3																		0			0	3	
Grey Plover				14																	0			0	14	
Common Ringed Plover																					0			0	0	
Little Ringed Plover	0	0	6					0	0	0	0				0	0	0	0	0	0	0	0	0	0	6	
Kentish Plover																					0			0	0	
Lesser Sand Plover																					0			0	0	
Greater Sand Plover																					0			0	0	
Black-tailed Godwit			160																		0			0	160	
Bar-tailed Godwit																					0			0	0	
Whimbrel																					0			0	0	
Eurasian Curlew			4	87																	0			0	91	
Far Eastern Curlew																					0			0	0	
Spotted Redshank																					0			0	0	
Common Redshank			10	110																	0			0	120	
Marsh Sandpiper			10	25																	0			0	35	
Common Greenshank			7	266																	0			0	273	
Nordmann's Greenshank				200																	0			0	0	
Green Sandpiper	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Wood Sandpiper	0	0	20					0	0	0	0				0	0	0	0	0	0	0	0	0	0	20	
Terek Sandpiper		0	20	1				0	0						- 0		- 0	-	U	- 0	0	0	0	0	0	
Common Sandpiper	0	0	11	1				0	0	0	0				0	0	0	0	0	0	0	0	0	0	11	
Grey-tailed Tattler	-	0	- 11	1	1			- 0	0	-					- 0		-	-	0	- 0	0	- 0	- 0	0	0	
Ruddy Turnstone				1																	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	0	
Common Snipe			8		-								1								0			0	8	
Long-billed Dowitcher				+																	0			0	0	
Asian Dowitcher				+																	0			0	0	
Red Knot			1	1																	0			0	0	
Great Knot			1	1																	0				0	
Sanderling	+		1	+	1						}		-	1							0			0	0	
Red-necked Stint	+		+	+	1						}		-	1							0			0	0	
	+		+	1		1	1		1	1	 		1	1										_	-	
Little Stint	+		+	1		1	1		1	1	 		1	1							0			0	0	
Temminck's Stint	-		+	1	1	1	1		}	1	-		1								0			0	0	
Long-toed Stint	+		1	 	1	<u> </u>	<u> </u>		<u> </u>	<u> </u>	 		 	1										0	0	——
Pectoral Sandpiper	+		1	 	1	<u> </u>	<u> </u>		<u> </u>	<u> </u>	 		 	1							0			0	0	——
Sharp-tailed Sandpiper	+		1	 	1	<u> </u>	<u> </u>		<u> </u>	<u> </u>	 		 	1							0			0	0	——
Dunlin	-		-	1	<u> </u>				<u> </u>		 		1								0			0	0	—
Curlew Sandpiper	1		1	1	1		<u> </u>		<u> </u>	<u> </u>	1		 								0			0	0	
Spoon-billed Sandpiper	1		1	1	1		<u> </u>		<u> </u>	<u> </u>	1		 								0			0	0	
Broad-billed Sandpiper	1			1																	0			0	0	
Ruff	1		1	1	<u> </u>						ļ										0			0	0	
Small wader spp.																					0			0	0	

Wader sp.	1	l	1	ı	l	l	i	Ī		i	l		l	l I	Ì	l	ı	I	l	l	0	l	l	I 0	0	ı ı
Black-tailed Gull																					0			0	0	
Heuglin's Gull				122																	0			0	122	
Yellow-legged Gull				122																	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	406	4600				0	0	0	0				0	0	0	0	0	0	0	0	4600	4600	5006	
Saunders's Gull	0	U	400	4000				0	U	U	U				U	U	U	0	U	0	0	0	4000	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	3293	7406	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5459	5459	10699	0
Total	U	U	3293	7400	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3437	3439	10099	0
	Deep Bay Area	%	Ramsar Site	%	SI																					
Cormorants	70	0.7	0	0.0	0	0																				
Ardeids etc	192	1.8	70	1.3	0	0																				
Ducks, grebes, pelicans	3241	30.3	789	14.5	Ö	0																				
Rails, Coot etc	57	0.5	0	0.0	0	0																				
Shorebirds	2011	18.8	0	0.0	0	0																				
Gulls and terns	5128	47.9	4600	84.3	0	Ō																				
TOTAL	10699		5459	0	0	0																				
101111	100//		0.05		Ť																					
Date of count: Jan 2012 (low	tide)	I	1		1		1																			
n/c = site not counted																										
	onsists of or includes a count made up to one week either side of the count date																									
% = count made at evening roost																										
8																										
Wetland-dependant species																										
													~-									_	Ramsar	_	DEEP	~
	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha	NW/	TKC	LC	TSW	MPST	ST	SPS	MPNR	Ramsar	Ramsar intertidal	Ramsar	BAY	Starling
Species								(181)					Kiu	LFS								ponds	areas	Site	AREA	Inlet
Osprey				2																	0			0	2	
Black Kite	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
White-bellied Sea Eagle																					0			0	0	
Eastern Marsh Harrier																					0			0	0	
Common Buzzard																					0			0	0	
Greater Spotted Eagle	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Imperial Eagle	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Peregrine Falcon																					0			0	0	
Pied Kingfisher	0	0	2					0	0	0	0				0	0	0	0	0	0	0	0	0	0	2	
Common Kingfisher	0	0	2					0	0	0	0		İ		0	0	0	0	0	0	0	0	0	0	2	
White-throated Kingfisher	0	0	1					0	0	0	0				0	0	0	0	0	0	0	0	0	0	1	
Black-capped Kingfisher	0	0	1					0	0	0	0				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	0	0	0	0	
Collared Crow	0	0	3					0	0	0	0				0	0	0	0	0	0	0	0	0	0	3	
				-					_																	

Low-tide count, February 2012

SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	WEP	Sha Kiu	NW / LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	0	0	4					0	0				0	0	0	0	0	0	0	0	0	4	
Great Crested Grebe			2	6														0		6	6	8	
Great Cormorant	0	0	5559	2600				0	0				0	0	0	0	0	0	0	2600	2600	8159	
Dalmatian Pelican		Ů	0007	2000											Ů			0		2000	0	0	
Grev Heron	0	0	58	12				0	0				0	0	0	0	0	0	0	12	12	70	
Purple Heron		V													Ü			0			0	0	
Great Egret	0	0	20	9				0	0				0	0	0	0	0	0	0	9	9	29	
Intermediate Egret	0	0	1					0	0				0	0	0	0	0	0	0	0	0	1	
Little Egret	0	0	31	28				0	0				0	0	0	0	0	0	0	28	28	59	
Swinhoe's Egret	0	0	51	20				0	-				- 0	U	-	- 0	U	0	0	20	0	0	
Pacific Reef Egret																		0			0	0	
Cattle Egret	0	0						0	0				0	0	0	0	0	0	0	0	0	0	
Chinese Pond Heron	0	0	7	1				0	0				0	0	0	0	0	0	0	1	1	8	
Striated Heron	0	0	,	1				0	0				0	0	0	0	0	0	0	0	0	0	\vdash
B-c Night Heron	0	0	5	1				0	0				0	0	0	0	0	0	0	0	0	5	\vdash
Yellow Bittern	0	0	3					0	0				0	0	0	0	0	0	0	0	0	0	
Cinnamon Bittern	U	U						U	U				U	U	U	U	U	0	U	U	0	0	
Great Bittern																		0			0	0	
																					0	0	
Black Stork																		0			-	v	
Black-headed Ibis																		0			0	0	
Eurasian Spoonbill			22															0			0	0	
Black-faced Spoonbill			22															0			0	22	
Common Shelduck				6														0		6	6	6	
Eurasian Wigeon	0	0	9					0	0				0	0	0	0	0	0	0	0	0	9	
Falcated Duck																		0			0	0	
Gadwall																		0			0	0	
Baikal Teal																		0			0	0	
Common Teal	0	0		460				0	0				0	0	0	0	0	0	0	460	460	460	
Mallard																		0			0	0	
Spot-billed Duck																		0			0	0	
Chinese Spotbill																		0			0	0	
Burmese Spotbill																		0			0	0	
Northern Pintail				12														0		12	12	12	
Garganey																		0			0	0	
Northern Shoveler			2444	42														0		42	42	2486	
Common Pochard																		0			0	0	
Baer's Pochard																		0			0	0	
Tufted Duck			2400	39														0		39	39	2439	
Greater Scaup																		0			0	0	
Red-breasted Merganser																		0			0	0	
Duck sp.				1900														0		1900	1900	1900	
Slaty-breasted Rail																		0			0	0	
Water Rail																		0			0	0	
White-breasted Waterhen	0	0	1					0	0				0	0	0	0	0	0	0	0	0	1	
Watercock																		0			0	0	
Common Moorhen	0	0	63					0	0				0	0	0	0	0	0	0	0	0	63	
Common Widomen	U	U	0.5					U	U				U	U	U	U	U	U	U	U	U	05	

Eurasian Coot	In	Í	ĺ	İ	1 1	1	1	1	ı	ı	 1 1	1	1 1		1 1		0	İ	Ì	1 0 1		i i
Greater Painted Shipe					1												-					
Black-winged Stirt																						
Pieck Avocet																				0		
Driental Pratincole					1														1	1		
Northern Lapwing				1855	390												-		390			
Grey-beaded Lapwing 3																						
Pacific Golden Plover 8	Northern Lapwing																0			0	0	
Common Redshank	Grey-headed Lapwing			3													0			0	3	
Common Ringed Plover	Pacific Golden Plover			8													0			0	8	
Little Ringed Plover	Grey Plover			1													0			0	1	
Little Ringed Plover	Common Ringed Plover																0			0	0	
Exertish Plover	Little Ringed Plover	0	0	10				0	0			0	0	0	0	0	0	0	0	0	10	
Lesser Sand Plover																	0		-	0		
Greater Sand Plover																	-					
Black-tailed Godwit																						
Bar-tailed Godwit				520																		
Whimbrel				320					+													
Eurasian Curlew																						
Far Eastern Curlew		 		00	67		-	-	+									 	67			
Spotted Redshank		-		77	0/		-		+									1	07			
Common Redshank							-	-	+								-					
Marsh Sandpiper				1.0	26				-										26			
Common Greenshank				40	20				-										20			
Nordmann's Greenshank				7.4	110												•		110		•	<u> </u>
Green Sandpiper				54	118				-										118			
Wood Sandpiper	<u> </u>	^							-				_									
Terek Sandpiper		_	-	27				-										-				
Common Sandpiper		0	0					0	0			0	0	0	0	0		0	0			
Grey-tailed Tattler		^										-				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		0	0	12				0	0			0	0	0	0	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																						
Pintail Snipe 0 <																	-					
Swinhoe's Snipe 0																						
Pintail/Swinhoe's Snipe 0																						
Common Snipe 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																						
Long-billed Dowitcher 0																	-					
Asian Dowitcher 0																				0	0	
Red Knot 0<																						
Great Knot 0																						
Sanderling 0 0 0 Red-necked Stint 0 0 0 0 Little Stint 0 0 0 0 0	Red Knot																0			0	0	
Red-necked Stint 0 0 0 Little Stint 0 0 0 0	Great Knot																0			0	0	
Little Stint 0 0 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 0																	0			0	0	
Pectoral Sandpiper 0 0 0 0																	0			0	0	
Sharp-tailed Sandpiper 0 0 0 0																	0			0	0	
Dunlin 0 0 0																						
Curlew Sandpiper 0 0 0																						
Spoon-billed Sandpiper 0 0 0 0									1													
Broad-billed Sandpiper 0 0 0 0							_															
Ruff									1													
									1											·		
Small wader spp. 0 0 0	Sman wader spp.																U			U	U	

Wader sp.	ĺ	l	300	50	I	I	1	1	1	1	ı		ı	ı	ĺ	1 1		0	l	50	50	350	1 1
	-		300					ļ	<u> </u>		-				-			0					-
Black-tailed Gull				3			1		1	ļ										3	3	3	
Glaucous Gull				1				ļ	ļ						ļ			0		1	1	1	
Heuglin's Gull				132														0		132	132	132	
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	78	620				0	0				0	0	0	0	0	0	0	620	620	698	
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	14371	6523	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6523	6523	20894	0
	Deep		Ramsar																				
	Bay Area	%	Site	%	SI																		
C	8159	39.0	2600	39.9	0	0																	+
Cormorants	194				0	0			<u> </u>		<u> </u>				<u> </u>								
Ardeids etc		0.9	50	0.8					<u> </u>		<u> </u>				<u> </u>								
Ducks, grebes, pelicans	7324	35.1	2465	37.8	0	0	ļ																
Rails, Coot etc	64	0.3	0	0.0	0	0																	
Shorebirds	4319	20.7	652	10.0	0	0		ļ	ļ						ļ								
Gulls and terns	834	4.0	756	11.6	0	0				ļ													
TOTAL	20894		6523		0	0																	
D										ļ													
Date of count:12 Feb 2012 (low tide		I v v · · · · · ·		1 . 701																			
n/c = site not counted	te not counted High tide measured at TBT: ates count consists of or includes a count made up to one week either side of the count date																						<u> </u>
% = count made at evening roost																							
Wetland-dependant species																							
						l		DBF			Sha	NW/							Ramsar	Ramsar	Ramsar	DEEP BAY	Starling
	SRA	SRB	DBA	DBB	DBC	DBD	DBE	(TBT)	SPR	WEP	Kiu	LFS	TKC	LC	TSW	MPST	ST	MPNR	Ramsar ponds	intertidal	Site	AREA	Inlet
Species								()											P	areas			
Osprey			1	1														0			0	2	<u> </u>
Black Kite	0	0						0	0				0	0	0	0	0	0	0	0	0	0	
White-bellied Sea Eagle																		0			0	0	
Eastern Marsh Harrier			1															0			0	1	
Common Buzzard																		0			0	0	
Greater Spotted Eagle	0	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	0	
Peregrine Falcon																		0			0	0	
Pied Kingfisher	0	0	3					0	0				0	0	0	0	0	0	0	0	0	3	
1 ICU KINGIISHCI				_				0	0				0	0	0	0	0	0	0	0	0	2	
	0	0	2					U	U														
Common Kingfisher White-throated Kingfisher		0	2					0	0				0	0	0	0	0	0	0	0	0	0	
Common Kingfisher White-throated Kingfisher	0	_	2																		_		
Common Kingfisher White-throated Kingfisher Black-capped Kingfisher	0	0						0	0				0	0	0	0	0	0	0	0	0	0 2	
Common Kingfisher White-throated Kingfisher	0 0	0	2	1				0	0				0	0	0	0	0	0	0	0	0	0	