Contract Reference No.: AFCD/SQ/50/12

Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2012 - 13

Monthly Waterbird Monitoring Summer 2012 Report

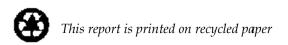


Submitted by The Hong Kong Bird Watching Society Approved Charitable Institution of a Public Character

to Agriculture, Fisheries & Conservation Department

Hong Kong SAR Government

November 2012



Contract Reference No.: AFCD/SQ/50/12

Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Waterbird Count Coordinator

YU Yat Tung The Hong Kong Bird Watching Society

Data Contributors

Geoff CAREY, Bonnie F.L. CHAN, Camille Y.T. CHUNG, Johnson C.K. CHUNG, Forrest K.W. FONG, Helen H.N. FONG, Vivian W.K. FU, Martin HALE, Jemi and John HOLMES, Tony T.H. HUNG, HUNG Wai-ming, Aaron C.W. KEUNG, LAI Nga-yee, Alan N.L. LAM, Shirley F.Y. LAM, Paul LEADER, Roger H. LEE, Michael LEVEN, Austin M.C. NG, PANG Chun-chiu, SUNG Yik-hei, Ivan W.L. TSE, Captain L.C. WONG, YING Hak-king and YU Yat-tung,

The Hong Kong Bird Watching Society,

Shenzhen Bird Watching Society,

Agriculture, Fisheries and Conservation Department

Copyright

The project is part of the "Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2012-13" funded by Agriculture, Fisheries and Conservation Department, Hong Kong SAR Government (AFCD). All the data shall be the property of the Government with full copyright.

Report available for public information

The Hong Kong Bird Watching Society
14/F, Ruby Commercial Building, 480 Nathan Road
Yau Ma Tei, Kowloon, Hong Kong
E-mail: hkbws@hkbws.org.hk Website: www.hkbws.org.hk

And

Agriculture, Fisheries and Conservation Department
Hong Kong SAR Government
7/F, Cheung Sha Wan Government Offices
303 Cheung Sha Wan Road
Kowloon, Hong Kong
E-mail: faunaenq@afcd.gov.hk Website: www.afcd.gov.hk

This publication should be cited as

Anon. 2012. Summer 2012 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site. Report by The Hong Kong Bird Watching Society to the Agriculture, Fisheries and Conservation Department, Hong Kong Special Administrative Region Government.

TABLE OF CONTENTS

REPORT	
1. Introdu	ction6
2. Method	ology6
3. Results	
3.1 G	reat Cormorants8
3.2 A	rdeids8
3.3 D	ucks, Grebes, Pelicans9
3.4 R	ails and Coots10
3.5 Sl	norebirds11
3.6 G	ulls and Terns11
3.7 G	lobally threatened species
4. Discuss	ion
	vledgements
6. Referen	ces
FIGURES	
O	Number of waterbirds recorded in the Deep Bay area in summer,
	2000-2012
O	Number of waterbirds recorded in the Ramsar Site in summer, 2000-2012
Figure 3.	Number of Ardeids recorded in the Deep Bay area in summer,
	2000-2012
O	Number of Ducks and Grebes recorded in the Deep Bay area in summer, 2000-2012
	Number of Rails and Coots recorded in the Deep Bay area in
O	summer, 2000-2012
	Number of Shorebirds recorded in the Deep Bay area in summer,
_	2000-2012
	Number of Gulls and Terns recorded in the Deep Bay area in summer,
-	2000-2012
Map	
-	Map of Hong Kong showing the location of the Mai Po Inner Deep Bay
-	Ramsar Site
Map 2.	Boundary of the Mai Po Inner Deep Bay Ramsar Site16
Map 3.	Location of survey sites under the Waterbird Monitoring Programme17

Table 1a. Number of waterbirds recorded in the Deep Bay area in summer,

TABLES

3

	2000-2012	19
Table 1b.	Number of waterbirds recorded in the Ramsar Site in summer,	
	2000-2012	19
Table 2a.	Summary of waterbird count for April 2012	20
Table 2b.	Summary of waterbird count for May 2012	20
Table 2c.	Summary of waterbird count for June 2012	20
Table 2d.	Summary of waterbird count for July 2012	20
Table 2e.	Summary of waterbird count for August 2012	21
Table 2f.	Summary of waterbird count for September 2012	21
Table 3a.	Number of waterbirds recorded in the Deep Bay area in	
	summer 2012 by species groups	21
Table 3b.	Number of waterbirds recorded in the Ramsar Site in	
	summer 2012 by species groups	21
APPEND	DICES	
Appendix	x 1. Summary of Waterbird Count, April 2012	
	Cummany of Waterbird Count Mary 2012	

Summary of Waterbird Count, May 2012 Summary of Waterbird Count, June 2012 Summary of Waterbird Count, July 2012 Summary of Waterbird Count, August 2012 Summary of Waterbird Count, September 2012

Summer 2012 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

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

Monthly Waterbird Monitoring Summer 2012 Report

1. Introduction

Comprehensive counts of waterbirds in the Deep Bay area, which have been undertaken by the Hong Kong Bird Watching Society (HKBWS), were inaugurated as part of the Wetlands International - Asian Waterbird Census in 1979. These counting activities were conducted in every January (excluding 1980) until 1992-93 when the duration of the counts was extended to cover the winter period from November to March of the following year. Subsequent to the designation of the Mai Po Inner Deep Bay as a Ramsar Site, a monthly waterbird monitoring programme was developed in 1998, which has all along been coordinated by the HKBWS with support rendered by the Agriculture, Fisheries and Conservation Department (AFCD), and later on became contracted service since mid-2004. Monthly counts of waterbirds in the Deep Bay area constitute a major part of this programme, supplemented by counts of shorebirds during the migration seasons and egretry surveys during the breeding season. Monthly summary reports are complied, while seasonal reports are produced bi-annually, i.e. a summer report covering the period from April to September, and a winter report covering the months from October to March of the ensuing year. This report summarises the results of the monthly waterbird counts conducted in summer 2012 under contract reference AFCD/SQ/50/12.

2. Methodology

The methodology adopted was described in detail in the *Waterbird Count Handbook* (Carey undated, Carey 2002). The survey areas and sites covered in this monitoring programme are shown on Maps 1 to 3. The programme focused on surveying the presence of birds in specified areas and, where possible, recording the number of birds in individual fishponds or *gei wais*. Inter-tidal areas of Inner Deep Bay were surveyed simultaneously so as to avoid double-counting as far as possible. Counts were conducted during rising tide, preferably with tidal height of about 2.2 m. Count of individual species recorded one week before or after the counting day would be adopted if such data was higher than the record taken on the counting day.

In this report, the numbers of waterbirds are presented with reference to the

survey sites in two main areas: the whole Deep Bay area (Deep Bay) and the Mai Po Inner Deep Bay Ramsar Site (Ramsar Site). Coverage of the survey sites was the same as the preceding winter period (Anon 2012b) except that the survey sites had extended to cover more fishponds at the northern part of Ma Tso Lung (i.e. Hoo Hok Wai) starting from July 2012. Details of these survey sites are provided on Map 3.

3. Results

The monthly waterbird counts in summer 2012 were conducted on 22 April 2012, 20 May 2012, 17 June 2012, 22 July 2012, 19 August 2012 and 16 September 2012. All the survey sites in the whole Deep Bay area (as well as the Ramsar Site) were thoroughly examined.

The total numbers of waterbirds recorded in the whole Deep Bay area were 10,131 in April, 3,278 in May, 2,633 in June, 4,628 in July, 5,117 in August and 5,717 in September, while the corresponding records at the Ramsar Site were 8,232, 2,698, 1,030, 2,094, 3,270 and 3,579 respectively. There were a maximum of 67 waterbird species recorded in the Deep Bay area. Detailed records for the past 13 years are shown in Figures 1 and 2 and Tables 1a and 1b.

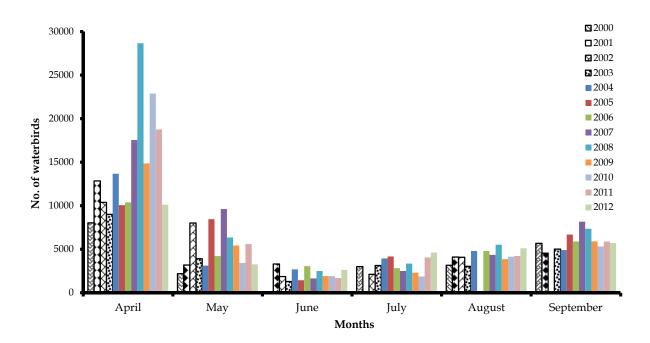
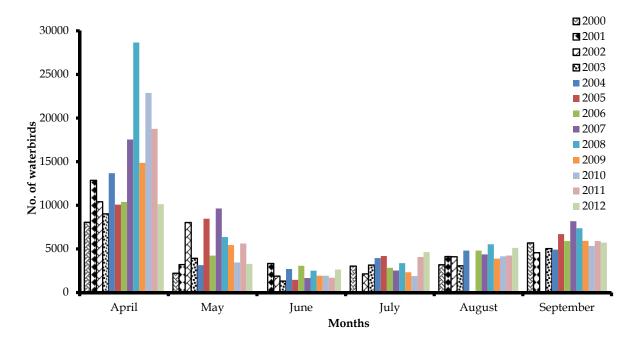


Figure 1. Number of waterbirds recorded in the Deep Bay area in summer, 2000-2012.

Figure 2. Number of waterbirds recorded in the Ramsar Site in summer, 2000-2012.



Results of the monthly counts conducted in summer 2012 are presented in Tables 2a to 2f and 3a to 3b. The monthly report and summaries are available for public download at the following links:

http://www.hkbws.org.hk/web/eng/waterbird_report_eng.htm

Paragraphs 3.1 to 3.7 below analyse the results of the waterbird monitoring in summer 2012 with reference to specific waterbird groups and globally threatened species.

3.1 Great Cormorants

Great Cormorant *Phalacrocorax carbo* is primarily a winter visitor to the Deep Bay area and very few individuals are noted in the summer months. In summer 2012, a maximum of seven individuals were recorded in May. None was recorded in April, June, July and August. Four had returned to the Deep Bay area in September.

3.2 Ardeids

The highest count for this waterbird group in summer 2012 was 2,832 individuals recorded in July, a slight decrease of 7% from the highest count of the preceding summer (Figure 3). Most of the Ardeids (1,656 individuals) were counted at Futian National Nature Reserve in Shenzhen. In terms of individual species, the highest count was 1,235 Little Egrets *Egretta garzetta* recorded in July. Great Egret *Ardea alba*, a species of regional conservation concern, also had a high count of 1,146 in July. Chinese Pond Heron *Ardeola bacchus* had the maximum

count of 302 individuals in September, representing a 21% increase from the record (249 individuals) of the preceding summer.

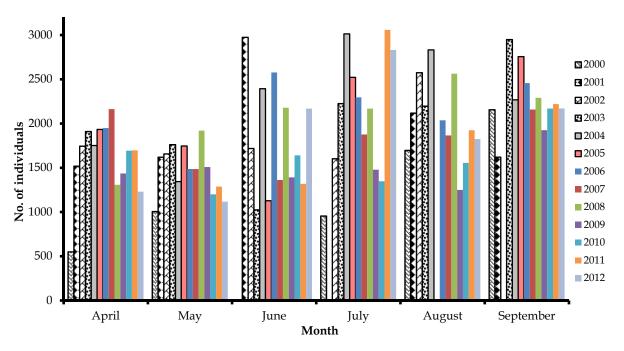


Figure 3. Number of Ardeids recorded in the Deep Bay area in summer, 2000-2012.

Under the Waterbird Monitoring Programme, egretry counts were also conducted in summer 2012 to monitor the breeding populations of ardeids in Hong Kong. Further details can be found in Summer 2012 Report: Egretry Counts in Hong Kong (Anon 2012c).

3.3 Ducks and Grebes

As a considerable number of ducks had returned to their breeding grounds in the northern Asia during summer, only low numbers were recorded from April to September. The highest count was 356 individuals recorded in April, which was 48% lower than the record of the previous year. The count in June was also lower than, while the counts in May and September were higher than the corresponding records of the previous year. In terms of migratory species, the highest count was 202 wintering Northern Shovelers *Anas clypeata* recorded in April, while the highest count of resident species was 160 Little Grebes *Tachybaptus ruficollis* recorded in September.

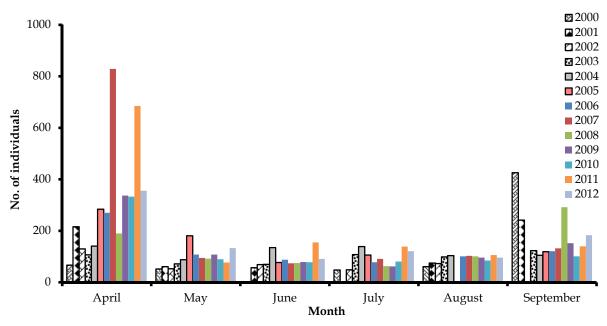


Figure 4. Number of Ducks and Grebes recorded in the Deep Bay area in summer, 2000-2012.

3.4 Rails and Coots

Rails and Coots are secretive and of small body size. They are usually recorded in low numbers comparing with the other waterbird groups. The two most common species are White-breasted Waterhen *Amaurornis phoenicurus* and Common Moorhen *Gallinula chloropus*. In this summer, the highest count for this waterbird group was 95 individuals recorded in April, a significant decrease of 52% from that of the previous year. Only one Eurasian Coot *Fulica atra* was recorded in June.

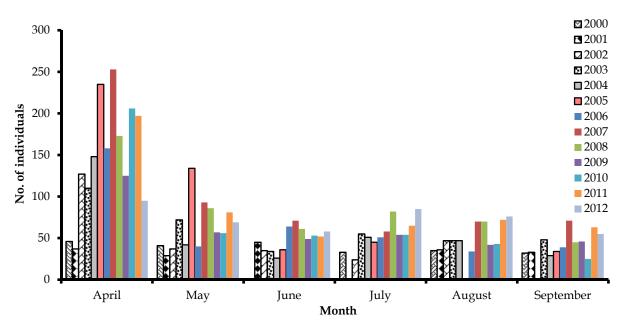


Figure 5. Number of Rails and Coots recorded in the Deep Bay area in summer, 2000-2012.

3.5 Shorebirds

In spring, a large number of passage shorebirds were recorded in the Deep Bay area. A total of 8,281 shorebirds were recorded in April 2012, a decrease of 46% as compared with the record of April 2011. The record in May 2012 (1,952 individuals) was also 51% lower than the preceding year, while higher numbers were recorded in other months (Figure 6). In terms of individual species, the highest count was Pied Avocet *Recurvirostra avosetta* at 4,680 individuals recorded in April and many of them lingered in the Deep Bay area until May. The second highest count was 1,276 Common Greenshanks *Tringa nebularia* recorded in August.

Apart from passage shorebirds, a few species bred in the Deep Bay area in summer. Black-winged Stilt *Himantopus himantopus* was among one of these breeding shorebirds in the Deep Bay area, and a total of 50 individuals were recorded in May. Another breeding species, Greater Painted-snipe *Rostratula benghanlensis*, was secretive and difficult to be detected. The highest count was only 3 individuals recorded in May. Little-ringed Plover *Charadrius dubius* was also a breeding species but there was not much information about its breeding status in the Deep Bay area.

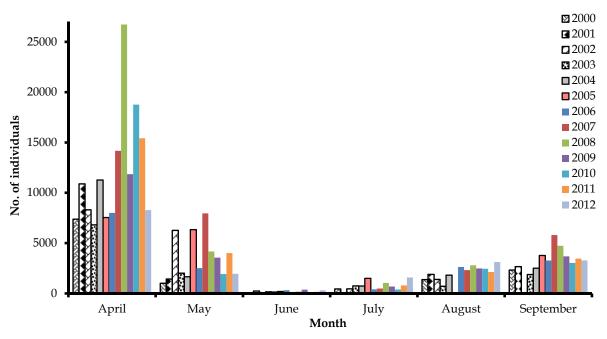


Figure 6. Number of Shorebirds recorded in the Deep Bay area in summer, 2000-2012.

3.6 Gulls and Terns

The highest count of gulls and terns was 169 birds recorded in April, which showed a significant decrease of 77% compared to that of the previous year. Among the records in April, passage terns, such as Gull-billed Tern *Gelochelidon nilotica*, were present only in small numbers (95 individuals). Counts in other months (i.e. May to August) were nearly zero, as many of these wintering

waterbirds had returned to their breeding grounds.

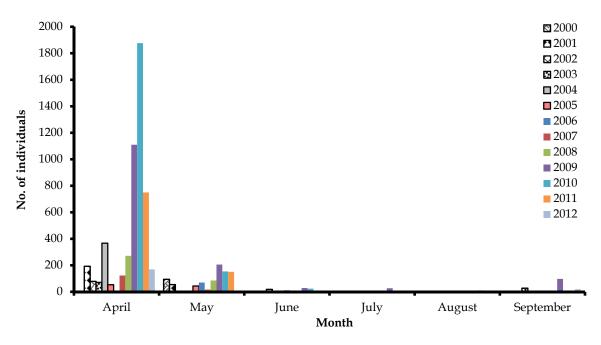


Figure 7. Number of Gulls and Terns recorded in the Deep Bay area in summer, 2000-2012.

3.7 Globally threatened species

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

Swinhoe's Egret *Egreta eulophotes* (globally vulnerable) (named as "Chinese Egret" in previous reports) - an individual was recorded in April.

Oriental Stork *Ciconia boyciana* (globally endangered) – an individual was recorded during the count on 22 July 2012, a rare record in summer (this bird was first recorded in Mai Po Nature Reserve on 12 July 2012, it stayed there in summer and autumn).

Black-faced Spoonbill *Platalea minor* (globally endangered) – this species had left the Deep Bay area earlier than usual. As a result, relatively fewer birds including immature individuals were recorded in this summer, namely, 62 individuals in April, 37 in May, none in June, 5 in July and 2 in August and September.

Black-tailed Godwit *Limosa limosa* (globally near threatened) – the highest count in this summer was 901 individuals recorded in April. The number dropped to 1 individual in May but rose to 34 in June, 74 in July, 220 in August and 368 in September.

Eurasian Curlew Numenius arquata (globally near threatened) - comparatively

fewer individuals were recorded in this summer, a total of 23 individuals were recorded in April, 11 in May, 16 in June, and the number subsequently increased to 62 in July, 75 in August and 85 in September.

Asian Dowitcher *Limnodromus semipalmatus* (globally near threatened) – relatively fewer individuals were recorded in this summer, with 5 individuals in April, 2 in June, and 3 in September.

Great Knot *Calidris tenuirostris* (globally vulnerable) – only 3 individuals were recorded in April, 7 in May, 6 in June and a higher count of 16 individuals were noted in September.

Saunders's Gull *Chroicocephalus saundersi* (globally vulnerable) – 4 individuals were recorded in April.

Spoon-billed Sandpiper *Eurynorhynchus pygmeus* (globally critically endangered) - this species is a regular passage migrant in the Deep Bay area in spring. There was no observation record of any of them on all the counting days in summer 2012. In a separate shorebird monitoring conducted in 2011-12 (Anon. 2012a), a single individual was recorded in April 2012.

4. Discussion

The average number of waterbirds recorded in the whole Deep Bay area (Summer 2012: mean = 5,251, SD = 2,653, n = 6; Summer 2011: mean = 6,712, SD = 6,088, n = 6) and the Ramsar Site (Summer 2012: mean = 3,484, SD = 2,497, n = 6; Summer 2011: mean = 3,733, SD = 3,541, n = 6) in summer 2012 were lower than those of the previous year. The decrease was mainly attributed to the low numbers of waterbird groups recorded in April (all groups) and May (except ducks and grebes). This indicated that most of the waterbirds had left for spring migration. On the other hand, the count results from June to September were consistent with the corresponding records of the previous year. Further survey effort or review of data in the coastal area of Mainland China or the surrounding region might be helpful for a better understanding of the pattern of migration.

5. Acknowledgements

We are indebted to the following surveyors of the Hong Kong Bird Watching Society for their participation in the counts: Geoff Carey, Bonnie Chan, Camille Chung, Johnson Chung, Forrest Fong, Helen Fong, Vivian Fu, Martin Hale, John and Jemi Holmes, Tony Hung, Hung Wai-ming, Aaron Keung, Lai Nga-yee, Alan Lam, Shirley Lam, Paul Leader, Roger Lee, Michael Leven, Austin Ng, Pang Chun-chiu, Sung Yik-hei, Ivan Tse, Captain Wong, Ying Hak-king and Yu Yat-tung.

We also express our gratitude to members of the Shenzhen Bird Watching Society for coordinating the counts at the Futian National Nature Reserve, and to the staff of the Hong Kong Wetland Park for providing relevant bird survey data of the Park.

6. References

Anon.. 2012a. Shorebird Monitoring at the Mai Po Inner Deep Bay Ramsar Site: 2011-12. Report by Hong Kong Bird Watching Society to the Agriculture, Fisheries and Conservation Department, Hong Kong Special Administrative Region Government.

Anon.. 2012b. Winter 2011-12 Report on Waterbird Monitoring Programme at the Mai Po Inner Deep Bay Ramsar Site. Report by Hong Kong Bird Watching Society to the Agriculture, Fisheries and Conservation Department, Hong Kong Special Administrative Region Government.

Anon.. 2012c. Summer 2012 Report: Egretry Counts in Hong Kong with particular reference to the Mai Po Inner Deep Bay Ramsar Site. Report by The Hong Kong Bird Watching Society to the Agriculture, Fisheries and Conservation Department, Hong Kong Special Administrative Region Government.

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

Carey, G.J. undated. Waterfowl Count Handbook. Waterfowl Monitoring at the Mai Po Inner Deep Bay Ramsar Site. Hong Kong Bird Watching Society. Hong Kong.

Summer 2012 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Maps

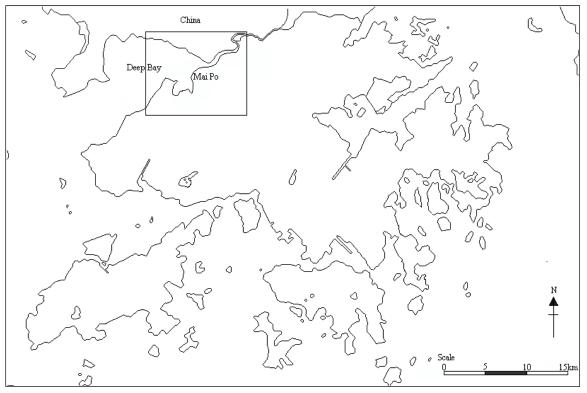


The Hong Kong Bird Watching Society

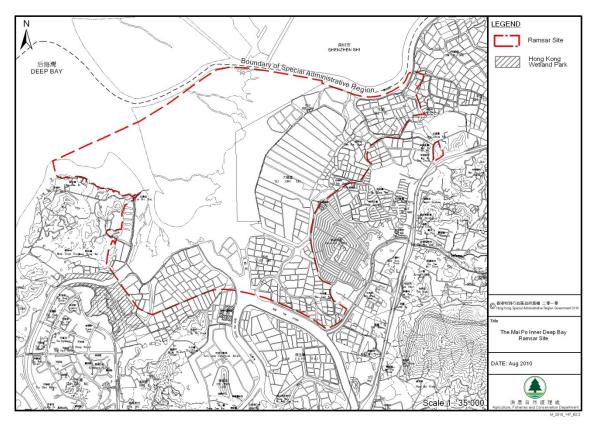


Agriculture, Fisheries and Conservation Department

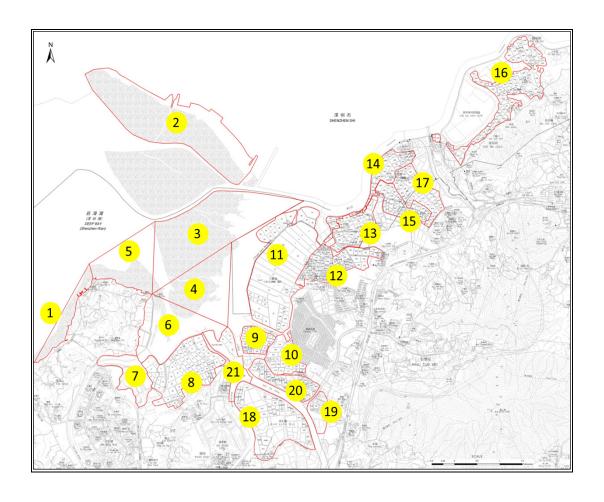
Map 1. Map of Hong Kong showing the location of the Mai Po Inner Deep Bay Ramsar Site.



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



Map 3. Location of survey sites under the Waterbird Monitoring Programme (1: Nim Wan to Lau Fau Shan area; 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 Nature Reserve; 12: Tam Kon Chau; 13: Mai Po San Tsuen; 14: Shenzhen River 'A'; 15: San Tin; 16: Shenzhen River 'B'; 17: Shan Po Shue; 18: Nam Sang Wai north; 19: Wing Kei Tsuen; 20: Luen Hing Wai; 21: Shan Pui River)



Summer 2012 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Tables



The Hong Kong Bird Watching Society



Agriculture, Fisheries and Conservation Department

Table 1a. Number of waterbirds recorded in the Deep Bay area in summer, 2000-2012.

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Mean	SD
April	8049	12858	10399	9019	13681	10067	10388	17545	28666	14865	22884	18759	10131	14214	5902
May	2206	3201	8028	3925	3133	8455	4227	9630	6359	5439	3433	5615	3278	5064	2281
June	n/a	3324	1879	1313	2697	1445	3065	1657	2500	1927	1919	1694	2633	2018	720
July	3020	n/a	2135	3145	3945	4179	2835	2518	3363	2315	1881	4068	4628	3029	894
August	3178	4124	4096	3060	4807	n/c	4802	4361	5532	3879	4147	4235	5117	4084	831
September	5689	4566	n/c	5032	4916	6695	5899	8170	7368	5913	5333	5899	5717	5714	1160

n/a = data not available.

Table 1b. Number of waterbirds recorded in the Ramsar Site in summer, 2000-2012.

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Mean	SD
April	7826	11638	8319	7595	11748	8823	7301	8952	17458	10871	13973	10534	8232	10316	2833
May	1862	2238	7000	3153	2207	7482	3069	7443	4884	3695	2474	4275	2698	3994	1976
June	n/a	1500	967	527	2091	859	1748	501	1147	1011	746	805	1030	1080	444
July	1173	n/a	1217	2133	2237	2748	1255	980	2001	1322	951	1471	2094	1631	554
August	2232	2858	2463	1588	2420	n/c	3125	2692	3493	2761	2879	2406	3270	2664	483
September	3580	3087	n/c	3001	3427	4920	3816	4262	4534	4059	3862	2904	3579	3766	663

n/a = data not available.

Table 2a. Summary of waterbird count for April 2012.

	Deep Bay Area	%	Ramsar Site	0/0	Starling Inlet
Cormorants	0	0.0	0	0.0	0
Ardeids	1230	12.1	792	9.6	141
Ducks, grebes, pelicans	356	3.5	188	2.3	1
Rails and coot	95	0.9	44	0.5	12
Shorebirds	8281	81.7	7072	85.9	2
Gulls and terns	169	1.7	136	1.7	0
Total	10131	100	8232	100	156

Table 2b. Summary of waterbird count for May 2012.

	Deep Bay Area	0/0	Ramsar Site	0/0	Starling Inlet
Cormorants	7	0.2	7	0.3	0
Ardeids	1117	34.1	666	24.7	148
Ducks, grebes, pelicans	133	4.1	61	2.3	1
Rails and coot	69	2.1	39	1.4	5
Shorebirds	1952	59.5	1925	71.3	0
Gulls and terns	0	0.0	0	0.0	0
Total	3278	100	2698	100	154

Table 2c. Summary of waterbird count for June 2012.

	Deep Bay Area	%	Ramsar Site	%	Starling Inlet
Cormorants	0	0.0	0	0.0	0
Ardeids	2169	82.4	682	66.2	167
Ducks, grebes, pelicans	91	3.5	27	2.6	3
Rails and coot	58	2.2	7	0.7	1
Shorebirds	314	11.9	313	30.4	0
Gulls and terns	1	0.0	1	0.1	0
Total	2633	100	1030	100	171

Table 2d. Summary of waterbird count for July 2012.

	Deep Bay Area	%	Ramsar Site	%	Starling Inlet
Cormorants	0	0.0	0	0.0	0
Ardeids	2832	61.2	821	39.2	79
Ducks, grebes, pelicans	121	2.6	46	2.2	0
Rails and coot	85	1.8	35	1.7	1
Shorebirds	1588	34.3	1190	56.8	0
Gulls and terns	2	0.0	2	0.1	0
Total	4628	100	2094	100	80

Table 2e. Summary of waterbird count for August 2012.

	Deep Bay Area	%	Ramsar Site	%	Starling Inlet
Cormorants	0	0.0	0	0.0	0
Ardeids	1825	35.7	856	26.2	88
Ducks, grebes, pelicans	96	1.9	43	1.3	3
Rails and coot	76	1.5	21	0.6	2
Shorebirds	3120	61.0	2350	71.9	1
Gulls and terns	0	0.0	0	0.0	0
Total	5117	100	3270	100	94

Table 2f. Summary of waterbird count for September 2012.

	Deep Bay Area	%	Ramsar Site	%	Starling Inlet
Cormorants	4	0.1	3	0.1	0
Ardeids	2171	38.0	1291	36.1	176
Ducks, grebes, pelicans	183	3.2	83	2.3	0
Rails and coot	55	1.0	22	0.6	1
Shorebirds	3284	57.4	2176	60.8	15
Gulls and terns	20	0.3	4	0.1	0
Total	5717	100	3579	100	192

Table 3a. Number of waterbirds recorded in the Deep Bay area in summer 2012 by species groups.

	April	May	June	July	August	September
Cormorants	0	7	0	0	0	4
Ardeids	1230	1117	2169	2832	1825	2171
Ducks, grebes, pelicans	356	133	91	121	96	183
Rails and coot	95	69	58	85	76	55
Shorebirds	8281	1952	314	1588	3120	3284
Gulls and terns	169	0	1	2	0	20

Table 3b. Number of waterbirds recorded in the Ramsar Site in summer 2012 by species groups.

	April	May	June	July	August	September
Cormorants	0	7	0	0	0	3
Ardeids	792	666	682	821	856	1291
Ducks, grebes, pelicans	188	61	27	46	43	83
Rails and coot	44	39	7	35	21	22
Shorebirds	7072	1925	313	1190	2350	2176
Gulls and terns	136	0	1	2	0	4

Summer 2012 Report on Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

Appendices



The Hong Kong Bird Watching Society



Agriculture, Fisheries and Conservation Department

Summary of Waterbird Count, April 2012

					ı	1			ımaı	J	1 776	1111		Cour	11, 11	hi	11 20	012		1	1	1			1	
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	21	0	2					21	7	0	0				9	0	5	22	4	21	16	51	0	67	128	1
Great Crested Grebe																					0			0	0	
Great Cormorant	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Dalmatian Pelican																					0			0	0	
Grey Heron	4	1	4		5			3	5	0	0	14			0	0	0	0	0	0	41	7	6	54	77	8
Purple Heron	1																				2			2	3	
Great Egret	8	30	47	39	39	16		18	13	21	2	1		3	10	4	7	7	5	31	62	42	107	211	363	33
Intermediate Egret	0	0						0	0	0	0				0	0	0	1	0	0	4	1	0	5	5	1
Little Egret	5	40	29	92	12	15		78	22	8	4	3		11	23	8	15	14	6	4	52	133	141	326	441	68
Swinhoe's Egret				1						_		_				Ť			Ť		0		1	1	1	
Pacific Reef Egret				1																	0		•	0	0	
Cattle Egret	1	4	9	2	1			19	0	0	0				1	0	19	39	5	0	23	49	3	75	123	20
Chinese Pond Heron	13	2	13	+				17	3	4	1			3	18	4	4	11	9	11	4	42	3	49	117	1
Striated Heron	0	0	13	1				0	0	0	0			3	0	0	0	0	0	0	0	0	0	0	0	1
B-c Night Heron	8	0	18	-	1	1		0	1	0	0				1	0	2	0	0	1	3	2	3	8	36	10
Yellow Bittern	0	0	10		1	1		1	0	0	0				0	0	0	1	0	0	0	1	0	1	2	10
Cinnamon Bittern	- 0	U						1	U	U	U				U	U	U	1	U	U	0	1	U	0	0	
Great Bittern																					0			0	0	
Black Stork				1																	0			0	0	
																								0	0	
Black-headed Ibis																					0			0	0	
Eurasian Spoonbill				1								_				con										
Black-faced Spoonbill				1					1			2				60*					59	1		60	62	
Common Shelduck		0		1				0	0	_					_	_	0	0	_	_	0	0	0	0	0	
Eurasian Wigeon	2	0		1				0	0	0	0				0	0	0	0	0	0	13	0	0	13	15	
Falcated Duck				1																	0			0	0	
Gadwall				-																	0			0	0	
Baikal Teal				-														_		_	0	_		0	0	
Common Teal	1	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	1	
Mallard																					0			0	0	
Spot-billed Duck																					0			0	0	
Chinese Spotbill																					0			0	0	
Burmese Spotbill																					0			0	0	
Northern Pintail																					0			0	0	
Garganey				8																	2		8	10	10	
Northern Shoveler			100	80								4									18		80	98	202	
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	1
Water Rail																					0			0	0	
White-breasted Waterhen	3	3	5	1				5	0	2	0	3		2	2	1	2	6	3	0	2	16	1	19	40	1
Watercock																					0			0	0	
Common Moorhen	5	3	15	1			1	3	0	0	0	1			6	0	1	1	4	0	14	9	2	25	55	10
Eurasian Coot																					0			0	0	

Pheasant-tailed Jacana	1			1		1 1	ĺ		ĺ		ĺ	l l				1	1		1 1	ĺ	0			0	1	
Greater Painted Snipe												2									0			0	2	
Black-winged Stilt	11		10	31				2		2	2	25			6	2		2			82	9	31	122	175	
Pied Avocet	1		1	230						38		26			5	64		4			4311	60	230	4601	4680	
Oriental Pratincole																					0			0	0	
Northern Lapwing																					0			0	0	
Grey-headed Lapwing																					0			0	0	
Pacific Golden Plover			20	4																	0		4	4	24	
Grev Plover				5																	0		5	5	5	
Common Ringed Plover																					0		-	0	0	
Little Ringed Plover	2	0	10					0	0	0	0	5			6	0	0	0	0	0	0	6	0	6	23	
Kentish Plover				6																	0		6	6	6	
Lesser Sand Plover				8																	0		8	8	8	
Greater Sand Plover				27																	0		27	27	27	
Black-tailed Godwit																					901			901	901	
Bar-tailed Godwit																					10			10	10	
Whimbrel				7																	0		7	7	7	
Eurasian Curlew																					23		,	23	23	
Far Eastern Curlew																					0			0	0	
Spotted Redshank										6		31									3			3	40	
Common Redshank			386					1				27									62	1		63	476	
Marsh Sandpiper			10					-		19		137			3	8					173	11		184	350	
Common Greenshank			41					2		17		100			2						160	2		162	305	
Nordmann's Greenshank			- 11									100									0			0	0	
Green Sandpiper	0	0						0	0	0	0			1	0	0	0	0	0	1	0	0	0	0	2	2
Wood Sandpiper	14	0	35	2				7	0	0	0	155		1		0	2	0	3	1	3	25	2	30	238	
Terek Sandpiper	17	0	33					1	U	U	0	133			10	-		0		1	52	1		53	53	
Common Sandpiper	2	1	7	1				9	2	1	0		2	2	16	12	15	7	13	6	0	53	2	55	96	
Grey-tailed Tattler		1	,	-					_	-	Ů				10	12	10		15	-	0			0	0	
Ruddy Turnstone				5																	0		5	5	5	
Red-necked Phalarope																					0			0	0	
Pintail Snipe																					0			0	0	
Swinhoe's Snipe																					0			0	0	
Pintail/Swinhoe's Snipe																					1			1	1	
Common Snipe																					0			0	0	
Long-billed Dowitcher																					0			0	0	
Asian Dowitcher																					5			5	5	
Red Knot																					0			0	0	
Great Knot				3																	0		3	3	3	
Sanderling															2						0	1		1	2	
Red-necked Stint				129											112*						0	32	129	161	129	
Little Stint				127											112						0		127	0	0	
Temminck's Stint			30												1						0			0	31	
Long-toed Stint			30	2											19			2			0	15	2	17	23	
Pectoral Sandpiper															17				+		0	13		0	0	
Sharp-tailed Sandpiper															1						3			3	4	
Dunlin																					0			0	0	
Curlew Sandpiper			5	603								15							+ +		0		603	603	623	
Spoon-billed Sandpiper			,	003								1.0							+ +		0		003	0	023	
Broad-billed Sandpiper				3															+ +		0		3	3	3	
Ruff				,	1	\vdash			-		-								++		0		,	0	0	
14411	l	1		l	1	i															v		l	U	v	

Small wader spp.				1	1	ĺ	1 1			ĺ	l	1 1			ĺ	l			1 1		0		İ	0	0	1 1
Wader sp.																					0			0	0	
Black-tailed Gull																					0			0	0	
Heuglin's Gull																					0			0	0	
Yellow-legged Gull																					0			0	0	
Slaty-backed Gull																					0			0	0	
Pallas's Gull																					0			0	0	—
Large Gull spp.																					0			0	0	\vdash
Brown-headed Gull																					0			0	0	\vdash
Black-headed Gull	0	0	30	28				0	0	0	0				0	8	0	0	0	0	0	8	28	36	66	\vdash
	U	U	30					U	U	U	U				U	0	3	U	U	U	0	3	1	4	4	
Saunders's Gull				1													3				0	3	1		0	\vdash
Whiskered Tern																								0		\vdash
White-winged Tern																-					0			0	0	<u> </u>
Gull-billed Tern			3																		92			92	95	
Caspian Tern																					4			4	4	
Total	103	84	830	1319	58	32	1	187	54	101	9	551	2	22	147	111	75	117	52	76	6200	581	1451	8232	10131	156
	Deep Bay	%	Ramsar	%	SI																					1
	Area		Site																							
Cormorants	0	0.0	0	0.0	0																					
Ardeids etc.	1230	12.1	792	9.6	141																					
Ducks, grebes, pelicans	356	3.5	188	2.3	1																					
Rails, Coot etc.	95	0.9	44	0.5	12																					
Shorebirds	8281	81.7	7072	85.9	2																					
Gulls and terns	169	1.7	136	1.7	0																					
TOTAL	10131		8232		156																					
Date of count: 22 Apr 2012																										
n/c = site not counted		High t	tide measur	red at T	BT: 2.5r	n																				
# indicates count consists	of or includ	les a co	ount made i	up to o	ne week	either	side o	of the cou	ınt dat	e																
% = count made at evening ro																										
Wetland-dependent species																										
								DBF					Sha	NW/								Ramsar	Ramsar	Ramsar	DEEP BAY	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 areas	Site	AREA	Inlet
Osprey																					0			0	0	
Black Kite	1	1						2	1	2	0				2	2	1	2	1	1	6	8	1	15	22	1
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	Ť			†						Ť	Ť				Ť	_					0		, , ,	0	0	
Pied Kingfisher	2	4						0	2	0	0	1			1	0	0	0	3	0	1	0	2	3	14	4
Common Kingfisher	3	0	2					2	1	0	1	1			0	1	1	2	2	0	0	4	1	5	15	-
White-throated Kingfisher	0	0		 				1	0	0	0	1			0	0	0	0	0	0	0	0	0	0	2	
Black-capped Kingfisher	0	0		1				0	0	0	0	1			0	0	0	0	0	0	0	0	0	0	0	\vdash
Red-billed Starling	0	0		 		-		0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	-	-										0			1			9		0		32	\vdash
Collared Crow	U	U	8					3	0	0	0				U	5	6	1	0	0	9	15	U	24	32	1

Summary of Waterbird Count, May 2012

				1		1	1		11116	<u> </u>	1 11	acci		Cou	1109 1	v I a	<i>y</i> = 0	,14			1	1			1	
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	11	4	3					15	4	0	0	1			13	0	4	16	10	28	23	37	0	60	132	1
Great Crested Grebe																					0			0	0	
Great Cormorant	0	0						6	1	0	0				0	0	0	0	0	0	0	7	0	7	7	
Dalmatian Pelican																					0			0	0	
Grey Heron	0	0						0	0	0	0	6			0	0	1	0	0	0	9	1	0	10	16	
Purple Heron																					2		-	2	2	
Great Egret	11	19	57	14		9	27	19	9	10	5	3	1	2	8	3	6	6	5	4	121	46	55	222	339	94
Intermediate Egret	0	0						3	0	0	0	_			0	0		1	0	0	3	4	0	7	7	
Little Egret	8	16	111	13		9	15	10	14	17	9	3	1	12		15		51	18	13	64	105	51	220	433	4
Swinhoe's Egret	Ü	10	111	13			10	10		1,				12	23	10		31	10	13	0	105	31	0	0	
Pacific Reef Egret				1																	0			0	0	
Cattle Egret	9	0						1	0	0	1				2	0	9	7	7	0	14	17	0	31	50	39
Chinese Pond Heron	4	4	16				2	15	5	1	3			1	25	4	3	25	20	13	10	71	6	87	151	39
Striated Heron	0	0	10					13	0	0	0			1	0	0	0	0	0	0	3	1	0	4	5	
B-c Night Heron	7	3	8			1		16	3	0	1	1		1	3	0	5	2	1	5	7	27	4	38	63	11
Yellow Bittern	0	0	2			1		10	1	0	0	4			0	0	0	5	0	0	1	7	0	8	14	11
	U	U						1	1	U	U	4			U	U	U	3	U	U	0	/	U	0	0	
Cinnamon Bittern	-			-																						\vdash
Great Bittern																					0			0	0	
Black Stork				1		<u> </u>															0			0	0	
Black-headed Ibis																					0			0	0	
Eurasian Spoonbill																					0			0	0	
Black-faced Spoonbill																					37			37	37	
Common Shelduck																					0			0	0	
Eurasian Wigeon	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Falcated Duck																					0			0	0	
Gadwall																					0			0	0	
Baikal Teal																					0			0	0	
Common Teal	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Mallard																					0			0	0	
Spot-billed Duck																					0			0	0	
Chinese Spotbill																					0			0	0	
Burmese Spotbill																					0			0	0	1
Northern Pintail																					0			0	0	
Garganey																					0			0	0	
Northern Shoveler																					1			1	1	
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.				1																	0			0	0	
Slaty-breasted Rail				1		1	†		†		†										0			0	0	
Water Rail				1		1	†		†		†										0			0	0	
White-breasted Waterhen	6	5	2	1	<u> </u>	t		4	0	0	3	1		1	6	0	2	12	5	4	9	25	0	34	60	4
Watercock			-			<u> </u>		<u> </u>				1						1.2		-	0	20	Ŭ	0	0	\vdash
Common Moorhen	0	0	3	2	 	1	1	0	0	0	0	1			0	0	0	0	0	0	3	0	2	5	9	1
Eurasian Coot	-	0	J	-	 	 	 	- 0	0	0	-	1		 	9	0	J	0			0	0		0	0	
Eurasian Coot		<u> </u>		1	l		l		1		<u> </u>										U			U	U	

Pheasant-tailed Jacana	1	1	ĺ	1			I	I	1	l	I	l	1 1	1		1 1		0		ĺ	0	1	Î
Greater Painted Snipe																		3			3	3	
Black-winged Stilt								1							12	2		35	12		47	50	
Pied Avocet		1								3					1			1290	1		1291	1294	
Oriental Pratincole		1																6			6	6	
Northern Lapwing		1																0			0	0	
Grey-headed Lapwing																		0			0	0	
Pacific Golden Plover																		0			0	0	
Grey Plover																		4			4	4	
Common Ringed Plover																		0			0	0	
Little Ringed Plover	0	0				0	0	0	0	2		1	0	0	0	0	0	1	1	0	2	4	
Kentish Plover	, ,	Ť					Ť						Ŭ			Ť		0		Ü	0	0	
Lesser Sand Plover																		0			0	0	
Greater Sand Plover																		36			36	36	
Black-tailed Godwit																		1			1	1	
Bar-tailed Godwit		1																0			0	0	
Whimbrel		1														1 1		19			19	19	
Eurasian Curlew		1														1 1		11			11	11	
Far Eastern Curlew																1		0			0	0	
Spotted Redshank																1		4			4	4	
Common Redshank			1													1		51			51	52	
Marsh Sandpiper			1													1		1			1	1	
Common Greenshank		1																85			85	85	
Nordmann's Greenshank		1																1			1	1	
Green Sandpiper	0	0				0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	
Wood Sandpiper	0	0				0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	
Terek Sandpiper	U	0				U	U	U	U			U	U	U	U	U	U	227	U	U	227	227	
Common Sandpiper	0	1	6			0	0	2	0			0	0	0	1	0	0	0	1	0	1	10	
Grey-tailed Tattler	U	1	1			U	U		U		7	U	U	U	1	U	U	0	1	U	0	8	
Ruddy Turnstone		-	1								/					1 1		1			1	1	
Red-necked Phalarope		-														1 1		0			0	0	
		1														1					0	0	
Pintail Snipe		-														1		0			0	0	
Swinhoe's Snipe		-														1		0			0	0	
Pintail/Swinhoe's Snipe		1														1					0		
Common Snipe																		0			0	0	
Long-billed Dowitcher		-														1		0			0	0	
Asian Dowitcher		-														1		0			0		
Red Knot		1																7			7	7	
Great Knot		1																			,		
Sanderling		1																0			0	0	
Red-necked Stint		1																105			105	105	
Little Stint		ļ														1		0			0	0	
Temminck's Stint																		0			0	0	
Long-toed Stint		1		<u> </u>												1		0			0	0	
Pectoral Sandpiper							ļ											0			0	0	
Sharp-tailed Sandpiper				<u> </u>			ļ					ļ				\sqcup		5			5	5	
Dunlin				<u> </u>									igspace			\sqcup		0			0	0	
Curlew Sandpiper		1		ļ														17			17	17	
Spoon-billed Sandpiper		1		ļ														0			0	0	
Broad-billed Sandpiper							ļ											0			0	0	
Ruff																		0			0	0	

Small wader spp.	ĺ	I		I							Ī	Ī		Ī						1	0			0	0	ĺ
Wader sp.																					0			0	0	
Black-tailed Gull																					0			0	0	
Heuglin's Gull																					0			0	0	
Yellow-legged Gull																					0			0	0	
Slaty-backed Gull																					0			0	0	
Pallas's Gull																					0			0	0	
Large Gull spp.																					0			0	0	
Brown-headed Gull																					0			0	0	
Black-headed Gull	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Saunders's Gull											_					Ť		-			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	57	52	210	29	0	19	44	91	37	31	22	25	2	24	81	22	41	139	68	67	2217	363	118	2698	3278	154
1 0 000					v				-	-								10,	-				110		02.0	10.
	Deep Bay	0.4	Ramsar	0./																						
	Area	%	Site	%	SI																					
Cormorants	7	0.2	7	0.3	0																					
Ardeids etc.	1117	34.1	666	24.7	148																					
Ducks, grebes, pelicans	133	4.1	61	2.3	1																					
Rails, Coot etc.	69	2.1	39	1.4	5																					
Shorebirds	1952	59.5	1925	71.3	0																					
Gulls and terns	0	0.0	0	0.0	0																					
TOTAL	3278		2698		154																					
Date of count: 20 May 2012																										
n/c = site not counted		High t	ide measur	ed at T	BT:																					
# indicates count consists	of or include	les a co	unt made u	ip to o	ne week	either	side o	of the cou	ınt dat	te																
% = count made at evening ro	ost																									
Wetland-dependent species																										
SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF	SPR	NSW	LHW	WEP	Sha	NW/	TKC	LC	TSW	MPST	ST S	SPS	MPNR	Ramsar	Ramsar	Ramsar	DEEP BAY	Starling
								(TBT)					Kiu	LFS							1	ponds	intertidal areas	Site 1	AREA 1	Inlet
Osprey Black Kite	1	1						0	0	1	2				1	0	2	1	1	0	8	6	0	14	18	
White-bellied Sea Eagle	1	1						U	U	1					1	U		1	1	U	0	U	U	0	0	
Eastern Marsh Harrier																					0			0	0	
Common Buzzard																					0			0	0	
Greater Spotted Eagle	0	0						2	0	0	0				0	0	0	0	0	0	0	2	0	2	2	
	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Imperial Eagle	U	U						U	U	U	U				U	U	U	U	U	U	0	U	0	0	0	
Peregrine Falcon	4	1						0	0	1	0				1	0	0	2	2	0	_	4	0	-		
Pied Kingfisher	4	1						0	0	1	0	2		-	1	0	0	3	3	0	2	4	0	7	15	
Common Kingfisher	0	0				1	1	4	0	1	0	2			0	0	0	0	1	0	0	7	0		12	
White-throated Kingfisher	0	0				1	1	1	0	0	0				0	0	0			0	0	0	0	0		
Black-capped Kingfisher	0	0				-	 	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Red-billed Starling	0	0				-	 	0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Collared Crow	0	0						4	0	0	0			<u> </u>	0	4	5	0	0	0	10	13	0	23	23	

Summary of Waterbird Count, June 2012

SPECIES 88A 886 108A 108 108 108 108 108 108 108 108 108 108			1		1			1 1			-				Cour								_	_			
Great Crowned Grebe Great Common	SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	TKC	LC	TSW	MPST			MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	0
Green Centrolated Oreal Definition From Correct Egret Oreal Period From Correct Egret Oreal	Little Grebe	7	6	2					7	1	0	2				12	0	2	11	12	22	4	23	0	27	88	3
Delinearin Pelecien	Great Crested Grebe																					0			0	0	
Grey Heron	Great Cormorant	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Purple Heron Figure Figu	Dalmatian Pelican																					0			0	0	
Great Egger 37	Grey Heron	5	0						0	0	0	0			1	1	0	0	0	0	0	3	1	0	4	10	
Green Egger 37	Purple Heron																					0			0	0	
Intermediate Egret		37	11	425	11	42	2	1	22	19	23	29	3	2	2	33	6	12	3	33	12	84	88	74	246	812	117
Swinbox Egret	Intermediate Egret	1	0						0	0	0	0				0	0	2	0	0	0	1	2	0	3	4	1
Swinbox Egret	Little Egret	6	14	432	8	53	5	2	15	34	22	5		7	21	38	12	6	12	16	12	64	74	102	240	784	17
Cartle Egret																						0			0	0	
Cartle Egret	Pacific Reef Egret																					0			0	0	
Chinese Pond Heron 11 13 12 3 6 1 5 1 1 2 24 2 5 18 21 10 12 46 6 64 147		33	2	30		1			0	0	0	33				0	0	1	0	0	0	58	34	1	93	158	16
Face	Chinese Pond Heron	11	13	12					3	6	1	5	1	1	2	24	2	5	18	21	10		46	6	64	147	
Vellow Bittern 1	Striated Heron	0	0	1					0	0	0	0				0	0	0	0	0	2	0	0	0	0	3	1
Vellow Bittern 1	B-c Night Heron	60	11	129		1		4	1	4	0	2			3	9	0	0	5	6	4	7	15	9	31	246	15
Great Bittern	,		0	3					0	0	0	0				0	0	0	0	0	0	1	0	0	1	5	
Black Stork Black-headed lbis Black-headed lbis Black-headed lbis Black-headed lbis Black-headed lbis Black-headed lbis Black-faced Spoonbill Black-faced Sp	Cinnamon Bittern																					0			0	0	
Black-headed lbis	Great Bittern																					0			0	0	
Black-headed lbis																						0			0	0	
Eurasian Spoonbill Black-Reed Spoonbill																						0			0	0	
Black-faced Spoonbill																						0			0	0	
Common Shelduck																						0			0	0	
Eurasian Wigeon 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1																					0			0	0	
Falcated Duck	Eurasian Wigeon	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Gadwall Baikal Teal 0																						0			0	0	
Common Teal																						0			0	0	
Common Teal	Baikal Teal																					0			0	0	
Spot-billed Duck	Common Teal	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Chinese Spotbill 0	Mallard																					0			0	0	
Chinese Spotbill 0	Spot-billed Duck																					0			0	0	
Burmese Spotbill																						0			0	0	
Northern Pintail 0																						0			0	0	
Northern Shoveler 3 0 0 3 Common Pochard 0 0 0 0 Baer's Pochard 0 0 0 0 Tufted Duck 0 0 0 0 Greater Scaup 0 0 0 0 Red-breasted Merganser 0 0 0 0 Duck sp. 0 0 0 0 Slaty-breasted Rail 0 0 0 0																						0			0	0	
Northern Shoveler 3 0 0 3 Common Pochard 0 0 0 0 Baer's Pochard 0 0 0 0 Tufted Duck 0 0 0 0 Greater Scaup 0 0 0 0 Red-breasted Merganser 0 0 0 0 Duck sp. 0 0 0 0 Slaty-breasted Rail 0 0 0 0	Garganey																					0			0	0	
Common Pochard 0																				3		0			0	3	
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																						0			0	0	
Greater Scaup 0 <	Baer's Pochard																					0			0	0	
Red-breasted Merganser 0 0 0 Duck sp. 0 0 0 0 Slaty-breasted Rail 0 0 0 0																						0			0	0	
Red-breasted Merganser 0 0 0 Duck sp. 0 0 0 0 Slaty-breasted Rail 0 0 0 0	Greater Scaup																					0			0	0	
Duck sp. 0 0 0 Slaty-breasted Rail 0 0 0 0																						0			0	0	
Slaty-breasted Rail 0 0 0																						0			0	0	
																						0			0	0	
I WARET KAIL I I I I I I I I I I I I I I I I I I	Water Rail					1																0			0	0	
White-breasted Waterhen 15 10 4 2 0 0 0 1 1 0 0 1 1 5 2 5 0 7 42 1		15	10	4		1			2	0	0	0	1			0	0	1	1	1	5		5	0		42	1
Watercock 0 0		-																						-	0		
Common Moorhen 0 0 14 0 0 0 0 0 0 0 0 0 15		0	0	14					0	0	0	0				0	0	0	0	1	0		0	0	0		
Eurasian Coot 1 0 1			1																					-			

Pheasant-tailed Jacana	ĺ	1			ĺ			ĺ	ĺ	l	I	ĺ	I	i i	1 1	ĺ		1 1		0		I	0	0 1	l
Greater Painted Snipe																				0			0	0	
Black-winged Stilt																	5			11	5		16	16	
Pied Avocet				2																64		2	66	66	
Oriental Pratincole																				0			0	0	
Northern Lapwing		1																		0			0	0	
Grey-headed Lapwing		1																		0			0	0	
Pacific Golden Plover		1																		0			0	0	
Grey Plover		1																		0			0	0	
Common Ringed Plover																		 		0			0	0	
Little Ringed Plover	0	0					0	0	0	0				1	0	0	0	0	0	1	1	0	2	2	
Kentish Plover	0	0	1				U	U	U	U				1	U	U	U	- 0	U	0	1	U	0	1	
Lesser Sand Plover			1																	0			0	0	
Greater Sand Plover																				0			0	0	
Black-tailed Godwit		1																		34			34	34	
Bar-tailed Godwit																		1		0			0	0	
Whimbrel		1				1												-		0		1	1	1	
						1																1	16	16	
Eurasian Curlew																				16			0	0	
Far Eastern Curlew																				0					
Spotted Redshank																				0			0	0	
Common Redshank		1																-		2			2	2	
Marsh Sandpiper		1																-		1			1	1	
Common Greenshank		1																-		42			42	42	
Nordmann's Greenshank								_	_	_					_					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					0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Terek Sandpiper																_				125			125	125	
Common Sandpiper	0	0					0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Grey-tailed Tattler																				0			0	0	
Ruddy Turnstone																				0			0	0	
Red-necked Phalarope																				0			0	0	
Pintail Snipe																				0			0	0	
Swinhoe's Snipe																				0			0	0	
Pintail/Swinhoe's Snipe																				0			0	0	
Common Snipe																				0			0	0	
Long-billed Dowitcher																				0			0	0	
Asian Dowitcher																				2			2	2	
Red Knot																				0			0	0	
Great Knot																				6			6	6	
Sanderling																				0			0	0	
Red-necked Stint																				0			0	0	
Little Stint																				0			0	0	
Temminck's Stint																				0			0	0	
Long-toed Stint																				0			0	0	
Pectoral Sandpiper																				0			0	0	
Sharp-tailed Sandpiper																				0			0	0	
Dunlin																				0			0	0	
Curlew Sandpiper																				0			0	0	
Spoon-billed Sandpiper																				0			0	0	
Broad-billed Sandpiper																				0			0	0	
Ruff																				0			0	0	

Small wader spp.	ĺ	ĺ		ĺ	ı	ĺ	1 1			ĺ	ĺ	1 1			ĺ	l	1 1	1	1 1	ĺ	0		I	0	0	1 1
Wader sp.																					0			0	0	
Black-tailed Gull																					0			0	0	
Heuglin's Gull																					0			0	0	1
Yellow-legged Gull																					0			0	0	
Slaty-backed Gull																					0			0	0	
Pallas's Gull																					0			0	0	
Large Gull spp.																					0			0	0	
Brown-headed Gull																					0			0	0	
Black-headed Gull	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Saunders's Gull	U	U						U	U	U	U				U	U	U	U	U	U	0	0	U	0	0	
Whiskered Tern																					0			0	0	
White-winged Tern																					0			0	0	
																					0				0	
Gull-billed Tern															1							1		0		
Caspian Tern	150	- (0	1052	21	0.7		_	50	1	46	=-	_	10	20	1	20	20		0.2	(=	0	1	107	1	1	151
Total	176	68	1053	21	97	8	7	50	64	46	76	5	10	29	119	20	29	55	93	67	540	295	195	1030	2633	171
																										
	n n		_																							
	Deep Bay	%	Ramsar	%	SI																					
Cormorants	Area 0	0.0	Site 0	0.0	0																					
Ardeids etc.	2169	82.4	682	66.2	167												1									
Ducks, grebes, pelicans	91	3.5	27	2.6	3																					
Rails, Coot etc.	58	2.2	7	0.7	1																					
Shorebirds	314	11.9	313	30.4	0																					
Gulls and terns	1	0.0	1	0.1	0																					1
TOTAL	2633	0.0	1030	0.1	171																					
IOIAL	2033		1030		1/1																					
Date of count: 17 Jun 2012																										
n/c = site not counted		High t	ide measur	ad at T	TRT-																					
# indicates count consists						aithar	sida s	f the go	ınt dat																	
% = count made at evening ro		ics a cc	Juni mauc i	ip to o	iic week	CITIICI	Siuc C	i iiic coi	iii uai																	
76 – count made at evening 10	USI																									
Watland danandant species																										1
Wetland-dependent species								DBF					Sha	NW/								Ramsar	Ramsar	Ramsar	DEEP BAY	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 areas	Site	AREA	Inlet
Osprey								(151)					TEIG	LIS							0	ponus	intertidar areas	0	0	Inice
Black Kite	1	0						0	0	2	0				1	0	1	2	1	1	12	4	0	16	21	
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											<u> </u>					,	,	,	Ť	,	0	,	Ť	0	0	
Pied Kingfisher	0	4	4					0	0	0	0				0	0	0	0	1	0	4	0	0	4	13	
Common Kingfisher	0	7	т					1	0	0	0				0	0	0	1	1	0	0	1	0	1	10	
White-throated Kingfisher	1	1	1					1	0	0	0				0	0	0	0	0	0	0	1	0	1	4	
Black-capped Kingfisher	0	0	1					0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Red-billed Starling	0	0	3		1			0	10	0	0				0	0	0	0	0	0	0	0	10	10	13	
Collared Crow	0	0	,					0	0	0	0				2	6	4	0	0	0	15	12	0	27	27	
Collaicu Clow	0	U		1	<u> </u>			U	U	U	U	l				U	4	U	U	U	1)	12	U	41	41	

Summary of Waterbird Count, July 2012

							1		111114	<u> </u>	,, ,,	acci		Cou	111, 0	, ui	, =0	12			1	1			1	
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	17	16	3					2	3	0	8				23	0	5	9	9	14	10	36	0	46	119	
Great Crested Grebe																					0			0	0	
Great Cormorant	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Dalmatian Pelican																					0			0	0	
Grey Heron	2	0						0	0	2	0				0	0	0	0	0	0	2	0	0	2	6	1
Purple Heron																					1			1	1	
Great Egret	13	6	759		32	46	65	12	41	8	2	1	0	40	17	3	13	19	6	7	56	58	183	297	1146	24
Intermediate Egret	0	0						0	0	0	0				0	2	0	0	0	0	3	2	0	5	5	
Little Egret	9	21	804		6	17	26	9	98	13	17	1	0	24	44	8	15	13	13	19	78	83	144	305	1235	24
Swinhoe's Egret																					0			0	0	
Pacific Reef Egret		1		1																	0			0	0	
Cattle Egret	3	0	7	1				0	0	0	0				0	0	2	0	0	2	99	2	0	101	113	17
Chinese Pond Heron	44	2	34	1		3	2	3	0	6	2	2			57	5	10	27	18	9	6	71	5	82	230	
Striated Heron	0	0	1	1	2			0	0	0	0				0	0	0	0	0	0	4	0	2	6	7	1
B-c Night Heron	7	3	50	1		7		0	1	0	0				3	1	0	2	1	3	0	4	8	12	78	12
Yellow Bittern	0	0	1					0	0	0	0				0	0	0	3	0	0	1	3	0	4	5	12
Cinnamon Bittern		Ť	•						Ť												0		Ů	0	0	
Great Bittern																					0			0	0	
Black Stork																					0			0	0	
Oriental Stork																					1			1	1	
Black-headed Ibis		1		1																	0			0	0	
Eurasian Spoonbill																					0			0	0	
Black-faced Spoonbill																					5			5	5	
Common Shelduck		1		1																	0			0	0	
Eurasian Wigeon	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Falcated Duck	· ·	-						- O	0	0					0	0	0	0	U	U	0	· ·	Ů	0	0	
Gadwall																					0			0	0	
Baikal Teal																					0			0	0	
Common Teal	0	0		1				0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Mallard	· ·			1				0	0	0	0				0	U	0	-	U	U	0	0	V	0	0	
Spot-billed Duck		1		1																	0			0	0	
Chinese Spotbill				-																	0			0	0	
Burmese Spotbill				1																	0			0	0	
Northern Pintail				1																	0			0	0	
Garganey				1																	0			0	0	
Northern Shoveler				1																	0			0	0	
Common Pochard				1																	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	
			2	1																	0			0	2	
Duck sp. Slaty-breasted Rail		-		-		1			-		-	1		-							0			0	0	
Water Rail		+		1		-	-		<u> </u>	<u> </u>	 	-		-					\vdash		0			0	0	
	4	1	E	-	2			2	0	2	2	1			10	0	2	1.5	1	2		20	2	-	-	1
White-breasted Waterhen	4	1	5	 	2	1		3	0	2	2	1		1	18	0	3	15	I	2	2	29	2	33	61	1
Watercock		_	22							_	_	-									0			0	0	\vdash
Common Moorhen	0	0	22					0	0	0	0		l		0	0	0	0	0	0	2	0	0	2	24	

Eurasian Coot	I	1 1		Ī	I				l		l	ĺ	ĺ	I	l l	1 1	Ī		1 1	ĺ	0		I	0	0 1	ĺ
Pheasant-tailed Jacana																					0			0	0	
Greater Painted Snipe			2																		0			0	2	
Black-winged Stilt	14									3	2								1		9	2		11	29	
Pied Avocet	14									3									1		2			2	2	
Oriental Pratincole																					0			0	0	
		-																								
Northern Lapwing		-																			0			0	0	
Grey-headed Lapwing		-																			0			0	0	
Pacific Golden Plover																					0			0	0	
Grey Plover																					0			0	0	
Common Ringed Plover																					0			0	0	
Little Ringed Plover	3	6	50					0	0	0	0				1	0	0	0	3	0	1	1	0	2	64	
Kentish Plover			10																		0			0	10	
Lesser Sand Plover																					0			0	0	
Greater Sand Plover																					6			6	6	
Black-tailed Godwit			35																		39			39	74	
Bar-tailed Godwit																					0			0	0	
Whimbrel					4	3															16			16	23	
Eurasian Curlew			5		7	3															47			47	62	
Far Eastern Curlew																					0			0	0	
Spotted Redshank																					0			0	0	
Common Redshank			30			15															691			691	736	
Marsh Sandpiper			1																		2			2	3	
Common Greenshank			60			8			1	1											327		1	328	397	
Nordmann's Greenshank																					0			0	0	
Green Sandpiper	0	13						0	0	0	0				1	0	0	0	0	0	0	1	0	1	14	
Wood Sandpiper	9	0	60					0	0	1	0				1	0	0	0	2	0	13	1	0	14	86	
Terek Sandpiper																					24			24	24	
Common Sandpiper	1	0	10					0	0	0	0				2	0	0	1	3	0	1	3	0	4	18	
Grey-tailed Tattler																					0			0	0	
Ruddy Turnstone																					0			0	0	
Red-necked Phalarope																					0			0	0	
Pintail Snipe																					0			0	0	
Swinhoe's Snipe																					0			0	0	
Pintail/Swinhoe's Snipe																					0			0	0	
Common Snipe																					0			0	0	
Long-billed Dowitcher																					0			0	0	
Asian Dowitcher																					0			0	0	
Red Knot																					0			0	0	
Great Knot																					0			0	0	
Sanderling																					0			0	0	
Red-necked Stint																					0			0	0	
Little Stint																					0			0	0	
Temminck's Stint																					0			0	0	
Long-toed Stint																					0			0	0	
Pectoral Sandpiper																					0			0	0	
Sharp-tailed Sandpiper																					1			1	1	
Dunlin																					0			0	0	
Curlew Sandpiper			10																		2			2	12	
Spoon-billed Sandpiper			-																		0			0	0	
Broad-billed Sandpiper																					0			0	0	

Small wasker spop.	Ruff				1	1	I	l		I	1		I	1		1	ĺ	1 1		1 1		0		1 1	0	0	
Waler sq	Small wader spp.																					0			0	0	
Black Intend Gold						25																0			0	25	
Heaglin Gall	1																					0			0		
Value Valu																						0			0	0	
Sup-Inteled Gall																						0			0	0	
Parties Carl Large Gall spape																						0			0	0	
Large Carlon Property Prope																						0			0	0	
Brown-sheeded Gridil																											
Black-haded Gridil 0 0 0																						0			0	0	
Saucher's Gull Whistered Term		0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Whise-wingsd Tem Gall-billed Tem Carpian Tem Inch Inch Inch Inch Inch Inch Inch Inch																	Ť	Ť						·		0	
White-winged Tem Gall-billed Tem Ray																	2.						2.		2.		
Gull-billed Term Capsian Term																	-										
Caspian Term 126 68 1961 0 78 102 93 29 144 36 33 5 0 64 167 21 48 89 57 56 1451 298 345 2094 4628 89																										·	
Total 126 68 1961 0 78 102 93 29 144 36 33 5 0 64 167 21 48 89 57 56 1451 298 345 2994 4628 80																										_	
Peep Bay Are		126	68	1961	0	78	102	93	29	144	36	33	5	0	64	167	21	48	89	57	56		298	345			80
Commonants	1000	120	- 00	1701		,,,	102	70			-				0.	107		10	0)	0,	30	1101	220	0.13	2071	1020	00
Commonants																											
Commonants		Deep Bay	0/	Ramsar	0/	CI																					
Ardeissec. 2832 61.2 821 39.2 79			%		%	51																					
Ducks, grehes, pelicans 121 2,6 46 2,2 0	Cormorants	0	0.0	0	0.0	0																					
Rails, Cost etc. 85 1.8 3.5 1.7 1	Ardeids etc.	2832	61.2	821	39.2	79																					
Shorebirds 1588 34.3 1190 56.8 0	Ducks, grebes, pelicans	121	2.6	46	2.2	0																					
Shorebirds 1588 34.3 1190 56.8 0	Rails, Coot etc.	85	1.8	35	1.7	1																					
TOTAL		1588		1190	56.8	0																					
Date of count: 22 Jul 2012 The proof of count of the proof o	Gulls and terns	2	0.0	2	0.1	0																					
Note Site not counted High tide measured at TBT:	TOTAL	4628		2094		80																					
Note Site not counted High tide measured at TBT:																											
Note Site not counted High tide measured at TBT:	Date of count: 22 Jul 2012						-11																				
# indicates count consists of or includes a count made up to one week either side of the count date Wetland-dependent species			High	tide measur	red at T	TBT:																					
Wetland-dependent species SRA SRB DBA DBB DBC DBB DBC TBT SPR NSW LHW WEP SRA SRB							either	side o	of the co	unt dat	te																
Wetland-dependent species SRA SRB DBA DBB DBC DBD DBE DBF (TBT) SPR NSW LHW WEP Sha Kiu LFS TBC LFS				1																							
SPECIES SRA SRB DBA DBB DBC DBB DBC DBB DBC CIBT SPR NSW LHW WEP Sha Kiu LFS TKC LC TSW MPST ST SPS MPNR Ramsar ponds intertidal areas Site AREA SITE AREA SITE SPS MPNR ST SPS MPNR Ramsar ponds intertidal areas Site AREA SITE SPS MPNR ST ST SPS MPNR ST ST ST ST ST ST ST S																											
SPECIES SRA SRB DBA DBB DBC DBB DBC DBB DBC CIBT SPR NSW LHW WEP Sha Kiu LFS TKC LC TSW MPST ST SPS MPNR Ramsar ponds intertidal areas Site AREA SITE AREA SITE SPS MPNR ST SPS MPNR Ramsar ponds intertidal areas Site AREA SITE SPS MPNR ST ST SPS MPNR ST ST ST ST ST ST ST S	Wetland-dependent species																										
Black Kite 0		SRA	SRB	DBA	DBB	DBC	DBD	DBE		SPR	NSW	LHW	WEP			TKC	LC	TSW	MPST	ST	SPS	MPNR					
White-bellied Sea Eagle 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 9 9 0	Osprey																					1			1	1	
Eastern Marsh Harrier	Black Kite	0	1						5	0	0	0				0	0	2	0	3	1	5	6	0	11	17	
Common Buzzard 0	White-bellied Sea Eagle																					0			0	0	
Greater Spotted Eagle 0	Eastern Marsh Harrier																					0			0	0	
Imperial Eagle	Common Buzzard																					0			0	0	
Peregrine Falcon 0 0 0 0 0 Pied Kingfisher 4 1 2 0 0 0 1 0 1 2 1 1 0 1 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 0 <td< td=""><td>Greater Spotted Eagle</td><td>0</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td></td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td></td<>	Greater Spotted Eagle	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Pied Kingfisher 4 1 2 0 0 0 0 1 0 1 2 1 1 0 2 13 2 Common Kingfisher 4 1 1 1 1 0 0 1 11 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0	Imperial Eagle	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Pied Kingfisher 4 1 2 0 0 0 0 0 1 0 1 2 1 1 0 0 0 0 0 1 0 1 2 1 1 0 2 13 2 Common Kingfisher 4 1 1 1 1 1 0 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 <	Peregrine Falcon																					0			0	0	
White-throated Kingfisher 1 1 3 2 2 1 0 0 1 0 1 0 1 0 1 6 2 9 15 Black-capped Kingfisher 0		4	1	2					0	0	0	0			1	0	0	1	0	1	2	1	1	0	2	13	2
White-throated Kingfisher 1 1 3 2 2 1 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 <td>Common Kingfisher</td> <td>4</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> <td>1</td> <td></td> <td></td> <td></td> <td>11</td> <td></td> <td></td> <td>1</td> <td>2</td> <td>0</td> <td>2</td> <td>9</td> <td>1</td> <td>12</td> <td></td> <td>1</td>	Common Kingfisher	4	1	1				1	1	0	0	1				11			1	2	0	2	9	1	12		1
Black-capped Kingfisher 0		1	1	3				2	2	1	0	0	1			1	0	1	0	1	0	1	6	2	9	15	
Red-billed Starling 0 0 12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 12		0	0							0						0				0		0	0	0	0		
				12																			0	0			
	Collared Crow								0		0					0	0			1		1	9	0	10		

Summary of Waterbird Count, August 2012

_	1	1		r		1	1		mai,	, 01	· · · a	ter b		Couin	, 111	ugu	151 2	1012			1	1			1	
SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	DBF (TBT)	SPR	NSW	LHW	WEP	Sha Kiu	NW / LFS	TKC		TSW	MPST	ST	SPS	MPNR	Ramsar ponds	Ramsar intertidal areas	Ramsar Site	DEEP BAY AREA	Starling Inlet
Little Grebe	1	6	10					5	0	0	4				22	0	4	21	8	8	7	36	0	43	96	3
Great Crested Grebe																					0			0	0	
Great Cormorant	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Dalmatian Pelican																					0			0	0	
Grey Heron	17	0	1				5	0	0	1	0				0	0	0	0	1	0	2	0	5	7	27	
Purple Heron			1																	1	2			2	4	
Great Egret	22	15	126		74	17	75	20	21	3	6	43		11	11	9	3	17	6	19	131	59	187	377	629	37
Intermediate Egret	0	0						0	0	1	0				0	1	0	0	0	0	1	1	0	2	3	
Little Egret	15	9	100		53	21	49	6	42	2	11	173		20	32	3	8	45	9	91	125	89	165	379	814	15
Swinhoe's Egret	15		100		33		./		1.2			175		20	32		-	1.5		71	0	0)	103	0	0	15
Pacific Reef Egret		1																			0			0	0	
Cattle Egret	0	0		1				0	0	0	1				18	0	2	0	2	8	17	2	0	19	48	30
Chinese Pond Heron	38	7	46			3		0	1	2	11	9		11	32	2	8		21	17	11	40	4	55	234	4
Striated Heron	0	0	2)		0	0	0	0	,		11	0	0	0	0	0	0	3	0	0	3	5	
B-c Night Heron	2	0	33					0	0	0	0				0	0	0	1	2	2	6	2	0	8	46	2
Yellow Bittern	1	0	9	1				0	1	0	0	1			0	0	0	0	0	0	1	1	0	2	13	
	1	U	9	1				U	1	U	U	1			U	U	U	U	U	U	0	1	U	0	0	
Cinnamon Bittern		1		-																						\vdash
Great Bittern																					0			0	0	
Black Stork				-		<u> </u>					<u> </u>										0			0	0	
Black-headed Ibis																					0			0	0	
Eurasian Spoonbill																					0			0	0	
Black-faced Spoonbill																					2			2	2	
Common Shelduck																					0			0	0	
Eurasian Wigeon	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Falcated Duck																					0			0	0	
Gadwall																					0			0	0	
Baikal Teal																					0			0	0	
Common Teal	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Mallard																					0			0	0	
Spot-billed Duck																					0			0	0	
Chinese Spotbill																					0			0	0	
Burmese Spotbill																					0			0	0	1
Northern Pintail																					0			0	0	
Garganey																					0			0	0	
Northern Shoveler																					0			0	0	
Common Pochard																					0			0	0	
Baer's Pochard																					0			0	0	
Tufted Duck																					0			0	0	
Greater Scaup																					0			0	0	
Red-breasted Merganser																					0			0	0	
Duck sp.																					0			0	0	
Slaty-breasted Rail																					0			0	0	
Water Rail				1		1	†				1	1									0			0	0	
White-breasted Waterhen	6	5	5		1	t		3	0	2	3			2	2	0	2	9	2	1	5	16	0	21	47	2
Watercock			,			 				<u> </u>	<u> </u>								-	•	0	10	Ŭ	0	0	
Common Moorhen	0	0	29	 	 	1	 	0	0	0	0	1			0	0	0	0	0	0	0	0	0	0	29	
Eurasian Coot	-	0	2)	1	 	 	 		0	0		-			9	0	J	3	-		0	0	9	0	0	\vdash
Eurasian Cool	1			1	<u> </u>	l	1			l	l	1							1		U	l		U	U	

Pheasant-tailed Jacana	1	1	I	I		1		I	I]		I	1	1 1	1		1 1		0		I	0	0	ĺ
Greater Painted Snipe																	1 1		0			0	0	
Black-winged Stilt	6	1									9		1				4		0	1		1	20	
Pied Avocet	10	1											1				+-+		0	1		0	10	
Oriental Pratincole	10	1															1 1		0			0	0	
Northern Lapwing		1															+		0			0	0	
Grey-headed Lapwing	-																+		0			0	0	
Pacific Golden Plover	-		200														+		0			0	200	
Grey Plover	-		200														+		0			0	0	
Common Ringed Plover	-																+		0			0	0	
Little Ringed Plover	6	0	10				0	0	0	0			0	0	0	0	15	5	1	0	0	1	37	
Kentish Plover	0	-	10				U	U	U	U			U	U	U	U	13	3	1	U	U	1	1	
Lesser Sand Plover	1		20														+		1			1	21	
Greater Sand Plover		1	20														++		0			0	0	
		1															++		220			220	220	
Black-tailed Godwit	1	1															+ +						0	
Bar-tailed Godwit		1	10	4	1												+		0		7	57	-	
Whimbrel		1	10	4	3												+		50		/		67	
Eurasian Curlew		1																	75			75	75	
Far Eastern Curlew		1																	0			0	0	
Spotted Redshank		1			1.5				20								-		0		1.5	0	0	
Common Redshank			3		17	ļ			20								4		667		17	684	711	
Marsh Sandpiper											1		1				1		15	1		16	17	
Common Greenshank	1	ļ	25		7	18			40		4						3		1178		25	1203	1276	
Nordmann's Greenshank		ļ																	0			0	0	
Green Sandpiper	0	0					0	0	0	1	2		2	0	1	0	0	0	0	3	0	3	6	
Wood Sandpiper	27	0	205				0	0	32	0	8		0	0	0	4	1	5	18	4	0	22	300	
Terek Sandpiper																			0			0	0	
Common Sandpiper	6	4	8				0	0	0	5	3		10	4	7	1	7	6	0	19	0	19	61	1
Grey-tailed Tattler			1																0			0	1	
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	4																		0			0	4	
Common Snipe			1														2		0			0	3	
Long-billed Dowitcher																			0			0	0	
Asian Dowitcher																			3			3	3	
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																	9		0			0	9	
Long-toed Stint																			0			0	0	
Pectoral Sandpiper																			0			0	0	
Sharp-tailed Sandpiper																			6			6	6	
Dunlin		Ì																	0			0	0	
Curlew Sandpiper			30																0			0	30	
Spoon-billed Sandpiper	İ																		0			0	0	
Broad-billed Sandpiper																			1			1	1	
Ruff		Ì																	0			0	0	

Small wader spp.	Ì			I		I								Ī						1	0			0	0	
Wader sp.			4		37																0		37	37	41	
Black-tailed Gull																					0			0	0	
Heuglin's Gull																					0			0	0	
Yellow-legged Gull																					0			0	0	
Slaty-backed Gull																					0			0	0	
Pallas's Gull																					0			0	0	
Large Gull spp.																					0			0	0	
Brown-headed Gull																					0			0	0	
Black-headed Gull	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Saunders's Gull																					0		Ü	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	162	46	879	0	168	68	147	34	65	103	42	253	0	44	131	19	35	113	96 1	63	2549	274	447	3270	5117	94
Total	102	70	017		100	00	147	54	0.5	105	72	235			101	17	33	115	70 1	.05	2347	2/3	447	3270	3117	74
	Deep Bay		Ramsar		~-																					
	Area	%	Site	%	SI																					
Cormorants	0	0.0	0	0.0	0																					
Ardeids etc.	1825	35.7	856	26.2	88																					
Ducks, grebes, pelicans	96	1.9	43	1.3	3																					
Rails, Coot etc.	76	1.5	21	0.6	2																					
Shorebirds	3120	61.0	2350	71.9	1																					
Gulls and terns	0	0.0	0	0.0	0																					
TOTAL	5117		3270		94																					
Date of count: 19 Aug 2012																										
n/c = site not counted		High t	ide measur	ed at T	BT:																					
# indicates count consists	of or includ	les a co	unt made ı	ip to oi	ne week	either	side o	of the cou	ınt dat	e																
% = count made at evening ro	ost																									
Wetland-dependent species																										
SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DRE	DBF	SPR	NSW	LHW	WEP	Sha	NW/	TKC	LC	TSW	MPST	ST S	PS	MPNR	Ramsar	Ramsar	Ramsar	DEEP BAY	Starling
	Site	ын	DDA	DDD	ВВС	DDD	DDL	(TBT)	SI K	11511		****	Kiu	LFS	1110	LC	1511		01	15		ponds	intertidal areas	Site	AREA	Inlet
Osprey									_											_	0			0	0	
Black Kite	0	3						2	0	0	0				2	6	2	2	2	3	2	14	0	16	24	
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	
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	2	3	4				2	0	0	0	0				3	0	1	2	2	1	2	5	2	9	22	1
Common Kingfisher	1	1	1			1		1	0	1	4	2		1	6	1	2	2		5	2	12	1	15	35	1
White-throated Kingfisher	2	0	3				1	3	1	0	0			1	3	0	0	1		0	2	3	2	7	17	2
Black-capped Kingfisher	0	0						0	0	0	0				0	0	0	0		0	0	0	0	0	0	
Red-billed Starling	0	0						0	0	0	0				0	0	0	0		0	0	0	0	0	0	
Collared Crow	0	0	4				1	2	0	0	0			<u> </u>	2	6	15	2	0	0	3	27	1	31	35	

Summary of Waterbird Count, September 2012

	1	1			1	ı									_			2012			ı	ъ	n	ъ	DEED DAY	64 11
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	8	5	4				1	7	1	7	19				38	0	7	12	8	31	12	47	1	60	160	ĺ
Great Crested Grebe																					0			0	0	1
Great Cormorant	0	0						0	0	0	0				0	0	0	0	0	1	3	0	0	3	4	ĺ
Dalmatian Pelican																					0			0	0	ĺ
Grey Heron	31	6	31	1		2	15	4	24	14	0	7		2	0	0	0	10	0	0	43	21	35	99	190	4
Purple Heron																					1			1	1	1
Great Egret	7	20	92	7		5	15	41	62	42	13	2	1	4	36	2	5	102	13	14	98	187	86	371	581	92
Intermediate Egret	0	1						0	0	0	0				0	0	1	0	0	2	52	1	0	53	56	1
Little Egret	7	30	71	52		6	9	40	23	28	23	2	6	23	218	4	29	131	51	55	113	423	88	624	921	67
Swinhoe's Egret																					0			0	0	
Pacific Reef Egret																					0			0	0	
Cattle Egret	0	0						0	0	0	0	2			13	1	2	0	23	0	1	11	0	12	42	5
Chinese Pond Heron	36	33	21					5	3	27	18			2	38	7	9	28	43	13	19	91	2	112	302	6
Striated Heron	0	0						0	0	0	0				0	0	0	0	0	0	1	0	0	1	1	i I
B-c Night Heron	2	16	8			3		0	0	24	0				0	0	0	0	0	1	7	0	3	10	61	i I
Yellow Bittern	3	1	3					0	0	0	1				1	0	0	2	1	0	2	4	0	6	14	
Cinnamon Bittern																					0			0	0	
Great Bittern																					0			0	0	
Black Stork																					0			0	0	í
Black-headed Ibis																					0			0	0	
Eurasian Spoonbill																					0			0	0	
Black-faced Spoonbill																					2			2	2	
Common Shelduck																					0			0	0	
Eurasian Wigeon	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Falcated Duck																					0		-	0	0	
Gadwall																					0			0	0	
Baikal Teal																					0			0	0	
Common Teal	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Mallard																					0		-	0	0	
Spot-billed Duck																					0			0	0	
Chinese Spotbill																					0			0	0	
Burmese Spotbill																					0			0	0	
Northern Pintail																					0			0	0	
Garganey																					23			23	23	
Northern Shoveler																					0			0	0	
Common Pochard																					0			0	0	
Baer's Pochard																					0			0	0	
Tufted Duck																					0			0	0	
Greater Scaup																					0			0	0	
Red-breasted Merganser																					0			0	0	
Duck sp.																					0			0	0	
Slaty-breasted Rail																					0			0	0	
Water Rail																H					0			0	0	
White-breasted Waterhen	3	5	6	1		1		0	0	1	4	3		<u> </u>	0	0	0	7	0	3	6	10	0	16	38	1
Watercock	,	,	0	1		-	-	- 0	-	1	 	,		-	- 5	0	J		,	,	0	10	, , , , , , , , , , , , , , , , , , ,	0	0	1
Common Moorhen	2	1	8	1		-	-	0	0	0	0			-	1	0	0	1	0	0	4	2	0	6	17	
Eurasian Coot		1	o				-	0	0	U	U			1	1	U	U	1	J	U	0		0	0	0	
Eurasian Cool	1			1		1								1				l			U			U	U	

Pheasant-tailed Jacana	1	1	Ī	1	1	I	I	1	I	l	I	l	ĺ	1	1	1 1		l	1	1 1	0		1	0	0	
Greater Painted Snipe	2																				0			0	2	
Black-winged Stilt	7	3	10								14				2			1	2	3	70	15		85	112	
Pied Avocet	<u>'</u>														 -			-	_		1			1	1	
Oriental Pratincole																					0			0	0	
Northern Lapwing																					0			0	0	
Grey-headed Lapwing			1																		0			0	1	
Pacific Golden Plover			420																		40			40	460	
Grey Plover			.20																		0			0	0	
Common Ringed Plover																					0			0	0	
Little Ringed Plover	2	7	10					0	0	0	0			3	0	1	0	0	9	1	0	1	0	1	33	
Kentish Plover			10												<u> </u>	1				-	1		Ů	1	1	
Lesser Sand Plover																					0			0	0	
Greater Sand Plover																					124			124	124	12
Black-tailed Godwit																					368			368	368	12
Bar-tailed Godwit																					5			5	5	
Whimbrel		1	12			1									1						23			23	35	
Eurasian Curlew		1	12			1									1						85			85	85	
Far Eastern Curlew		1				1									1						0			0	0	
Spotted Redshank		1				1									1						0			0	0	
Common Redshank		1	9			1									1					4	374			374	387	
Marsh Sandpiper		1	,			1									1					7	376			376	376	
Common Greenshank	1	1	70			1									1					23	597			597	691	
Nordmann's Greenshank	1	1	70			1									1					23	0			0	0	
Green Sandpiper	0	0						0	0	1	0				0	0	1	1	0	2	0	2	0	2	5	
Wood Sandpiper	3	13	423					0	0	0	3				1	0	1	0	5	1	30	4	0	34	480	
Terek Sandpiper	3	13	423					U	0	0	3				1	U	1	U	3	1	0	- 7	U	0	0	
Common Sandpiper	0	8	14				3	0	2	9	0	1		1	5	3	3	6	9	3	1	14	5	20	68	2
Grey-tailed Tattler	0	- 0	17				3	U			0	1		1	-	5	3	0	,	,	0	17	3	0	0	2
Ruddy Turnstone																					0			0	0	
Red-necked Phalarope																					0			0	0	
Pintail Snipe																					0			0	0	
Swinhoe's Snipe																					0			0	0	
Pintail/Swinhoe's Snipe																		1			0	1		1	1	
Common Snipe			3									1						1	1		0	1		0	5	
Long-billed Dowitcher			3									1							1		0			0	0	
Asian Dowitcher																					0			0	0	
Red Knot																					5			5	5	
Great Knot		1				1									1						16			16	16	
Sanderling																					0			0	0	
Red-necked Stint																					0			0	0	1
Little Stint																					0			0	0	1
Temminck's Stint																				2	0			0	2	
		1																			0			0	0	
Long-toed Stint Pectoral Sandpiper		1																			0			0	0	
Sharp-tailed Sandpiper		1																			0			0	0	
		1	2																		1			1	v	
Dunlin Cyrlay Sandninar	+	-	3		1									1	1	1					1			0	0	
Curlew Sandpiper	+	-	-		1									1	1	1					0					
Spoon-billed Sandpiper Broad-billed Sandpiper	+	-	 	1	 	1			-	-			1	 	1	1			-		0 17			0 17	0	
Ruff		-	 	1	 	1			-	-			1	 	1	1			-						17	
				1	1	i	1	ı	1	Ì	1	1	1	1	1	1		l	1	1	0		I	0	0	1

Small wader spp.		ĺ		ĺ	Ì	ĺ	1 1			l	Ì	1 1			l	l I			ĺ		0			0	0	1 1
Wader sp.																					0			0	0	
Black-tailed Gull																					0			0	0	
Heuglin's Gull																					0			0	0	
Yellow-legged Gull																					0			0	0	
Slaty-backed Gull																					0			0	0	
Pallas's Gull																					0			0	0	
Large Gull spp.																					0			0	0	
Brown-headed Gull																					0			0	0	
Black-headed Gull	0	0						0	0	0	0				0	0	0	0	0	0	0	0	0	0	0	
Saunders's Gull	U	U						U	U	U	U				U	U	U	U	U	U	1	U	U	1	1	
																	1	2		1.6	0	2		3	19	
Whiskered Tern																	1			16		3				
White-winged Tern																					0			0	0	
Gull-billed Tern																					Ů			0	0	
Caspian Tern	44.4	4.40	1010			4.0	- 12			4.50		10			252	10		20.4	4.5	4==	0	00-	220	0	0	100
Total	114	149	1219	60	0	16	43	97	115	153	95	18	7	35	353	18	59	304	165	175	2522	837	220	3579	5717	192
	Deep Bay	%	Ramsar	%	SI																					
	Area		Site																							<u> </u>
Cormorants	4	0.1	3	0.1	0																					
Ardeids etc.	2171	38.0	1291	36.1	176																					
Ducks, grebes, pelicans	183	3.2	83	2.3	0																					
Rails, Coot etc.	55	1.0	22	0.6	1																					
Shorebirds	3284	57.4	2176	60.8	15																					
Gulls and terns	20	0.3	4	0.1	0																					
TOTAL	5717		3579		192																					
Date of count: 16 Sep 2012																										
n/c = site not counted		High t	ide measur	ed at T	BT:																					
# indicates count consists	of or includ	les a co	ount made u	ip to o	ne week	either	side o	of the cou	ınt dat	e																
% = count made at evening ro																										
Wetland-dependent species																										
								DBF					Sha	NW/								Ramsar	Ramsar	Ramsar	DEEP BAY	Starling
SPECIES	SRA	SRB	DBA	DBB	DBC	DBD	DBE	(TBT)	SPR	NSW	LHW	WEP	Kiu	LFS	TKC	LC	TSW	MPST	ST	SPS	MPNR		intertidal areas	Site	AREA	Inlet
Osprey			1																		1			1	2	
Black Kite	0	1						1	0	2	0				2	0	1	3	4	5	9	7	0	16	28	
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										, ,						Ť				,	0	,	Ť	0	0	
Pied Kingfisher	1	1	3					0	0	2	2				0	0	0	0	0	1	3	0	0	3	13	1
Common Kingfisher	1	8	2			1		0	0	3	1	1			6	0	3	4	2	3	2	10	0	12	36	4
White-throated Kingfisher	1	4	2					0	0	0	0	1			2	0	0	2	1	0	1	5	0	6	14	1
Black-capped Kingfisher	0	0	1			-		0	0	0	0	1			0	0	0	0	0	0	0	0	0	0	14	1
Red-billed Starling	0	0	10	-				0	0	0	0				1	0	0	0	0	0	0	1	0	1	11	
	0	0	5		-	-		1							1			2			1	29	0	30		
Collared Crow	U	U)					1	0	0	0				2	0	24	2	0	0	1	29	U	30	35	<u>. </u>