

Tender Reference No. AFCD/SQ/22/11

**Mai Po Inner Deep Bay Ramsar Site
Waterbird Monitoring Programme
2011 - 2012**

Shorebird Monitoring Report



Submitted by
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Waterbird Monitoring at the Mai Po Inner Deep Bay Ramsar Site

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Shorebird Monitoring at the Mai Po Marshes and Inner Deep Bay

2011-12 Report

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

Shorebird Monitoring

July 2011 - June 2012

Shorebird Monitoring: 2011-12 Report

Introduction

A systematic, long-term monitoring programme of waterbirds in the Mai Po Inner Deep Bay Ramsar Site has commenced in December 1997. Counts of shorebirds (also called waders) in migratory seasons form one part of this programme, the other components are monthly counts of waterbirds and surveys of ardeid nesting colonies. The Waterbird Monitoring Programme 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. This report focuses on the results of the Shorebird Counts during migratory seasons from July 2011 to June 2012 under the tender reference number AFCD/SQ/22/11.

Methodology

Migratory shorebirds visit the Deep Bay area during autumn and spring, and some of them stay here throughout the winter. This study aimed at monitoring the population of migratory shorebirds in the Mai Po Inner Deep Bay Ramsar Site throughout the year. The Shorebird Counts were more frequently conducted during the peak periods of passage migration (that is, from late March to late May and from the second half of July to late October). In winter from mid November to mid February, the Shorebird Count was carried out once a month and the results obtained in the monthly Waterbird Counts for the same period were also used in this report. Fewer counts were conducted in summer. In short, the Shorebird Counts under this Shorebird Monitoring Programme were scheduled as follows:

- Autumn: from 16 July 2011 to 3 November 2011 - once a week;
- Winter: from mid November 2011 to mid February 2012 - once a month;
- Spring: from 22 March 2012 to 1 June 2012 - once every three days;

- Summer: from 2 June 2012 to 15 July 2012 – once every two weeks.

The main survey site was the Mai Po Marshes Nature Reserve (MPNR) (Map 1) where counts were conducted either in the shallow water areas in *gei wais* or from the four bird watching hides at the boardwalk, depending on the tidal height. In general, counts were conducted in the *gei wais* in MPNR during the high tide period as the management activities under World Wide Fund For Nature Hong Kong (WWF-HK) had provided regular and suitable roosting sites for shorebirds which allowed the counting to be made with a relatively high degree of accuracy. The following procedures were adopted in the survey:

- Birds were counted from the boardwalk hide during rising tide, beginning at the tidal height of around 1.9m.
- During the high tide period, roosting birds were counted within the MPNR.
- During receding tide, birds were counted from the boardwalk hide until the time when the shorebirds were too far away from the observer making the count impossible.

The equipment used consisted of 8x or 10x binoculars and a telescope with wide angle or 20-60x zoom eyepieces. The Shorebird Counts were conducted by HKBWS accredited waterbird surveyers with experience in shorebird counting and identification. All shorebirds sighted in the survey sites were identified to their respective species. In the event that a shorebird carrying leg flag was observed, its details including the colour and position of the flag, species, age and/or the extent of breeding plumage would be recorded. These details would then be checked so as to figure out the shorebird's migration route or its origin.

Results and discussion

Results of the Shorebird Counts are presented in details in Appendices 1 to 3. The counts of selected species are plotted on graphs Figure 1 to 19 for Autumn 2011 and Figure 20 – 38 for Spring 2012 (Appendix 4). The order of the shorebird names follows the annotated checklist of birds of Hong Kong (Hong Kong Bird Watching Society 2012).

Autumn 2011

A total of 553 shorebirds were counted in mid July 2011; they increased to the first peak of 2,938 individuals (19 species) in mid-August 2011. The number of shorebirds reduced to 1,258 individuals (20 species) in early September 2011 and gradually increased to another peak of 3,531 individuals (18 species) on 24 October 2011 (Figure

1). The peak count recorded in autumn 2011 was 3,531 individuals of 18 species, a decrease in the abundance of 23% from the corresponding record of the previous year (i.e. 4,580 individuals, 17 species). The peak count in this autumn was comparatively low, even there were days with high tide on 11 and 30 September 2011. Besides, the water level in *gei wais* of MPNR was generally high in this autumn, providing fewer suitable sites for roosting shorebirds.

In autumn 2011, the aggregate peak count of all shorebird species was 4,212 individuals (38 species). The 3 most numerous shorebird species were Common Redshank *Tringa tetanus*, Common Greenshank *Tringa nebularia* and Marsh Sandpiper *Tringa stagnatilis*, with peak counts of 1,002, 1,349 and 1,173 individuals respectively. It was noted that the Common Redshank and Common Greenshank were autumn passage migrants in August, and the Marsh Sandpiper was Winter visitors which arrived in late October.

Highlights of other shorebird species which were passage migrants recorded in autumn 2011 included Pacific Golden Plover *Pluvialis fulva* (Figure 3), Lesser Sand Plover *Charadrius mongolus* (Figure 6), Greater Sand Plover *C. leschenaultii* (Figure 7), Bar-tailed Godwit *Limosa lapponica* (Figure 9), Whimbrel *Numenius phaeopus* (Figure 10), Wood Sandpiper (Figure 16), Great Knot *Calidris tenuirostris* (Figure 17), Red Knot *Calidris canutus* (Figure 18) and Broad-billed Sandpiper *Limicola falcinellus* (Figure 19). The Pacific Golden Plover, Lesser Sand Plover and Red Knot were uncommon species with low numbers recorded in this autumn.

The arrival dates of wintering species identified during the Shorebird Counts were also recorded. Details of which are appended below:

- Black-tailed Godwit *Limosa limosa* – mid-August (Figure 8, c.f. late September 2010, mid-September 2009, early September 2008, September 2007, late September 2006, mid-September 2005 and 2004, early September 2003, late August 2002).
- Eurasian Curlew *Numenius arquata* – late August (Figure 11, c.f. late August 2010, mid-August 2009, September 2008, September 2007, September to early October 2006, mid-September 2005, 2004, 2003 and 2002)
- Spotted Redshank *Tringa erythropus* – late October (Figure 12, c.f. late October 2010, mid-October 2009, late October 2008, 2007 and 2006, mid October 2005, 2004, 2003, late September 2002).
- Marsh Sandpiper *Tringa stagnatilis* – early October (Figure 14, c.f. late September

2010, late September 2009, mid-September 2008, late September 2007, late September 2006, 2005, 2004, mid-September 2003, early September 2002).

Winter 2011-12

The Shorebird Counts were conducted in the mid-winter period from mid November 2011 to mid February 2012. To enhance accuracy, information collected in the monthly Waterbird Counts was also included in the analysis. In winter 2011-12, the aggregate peak count of all shorebird species was 28,290 birds of 32 species (Table 2). It showed a 22% increase as compared with the aggregate peak count of the previous winter (i.e. 23,100 birds of 28 species). The five most abundant shorebird species recorded in winter 2011-12 were Pied Avocet *Recurvirostra avosetta* (14,604 individuals), Dunlin *Calidris alpina* (3,100 individuals), Kentish Plover *Charadrius alexandrinus* (2,640 individuals), Marsh Sandpiper (2,237 individuals) and Eurasian Curlew (1,128 individuals). The tidal height in winter was lower and less predictable than in spring and autumn and hence, the results of the counts in winter tended to fluctuate. Nevertheless, with the increased counting efforts spent in this winter, more accurate information on the wintering population of the shorebird species was obtained.

Spring 2012

The number of shorebirds started at a relatively low number of 1,183 individuals (17 species) on 24 March 2012, which indicated that many of the passage shorebirds had not arrived the Deep Bay area. The number remained low for about one week until the first influx of shorebirds was recorded on 5 April 2012 at 8,329 individuals (28 species). The number of 8,329 individuals (28 species) was the peak count in this spring, which was 12% less than the previous year (c.f. 9,482 individuals of 27 species in spring 2011). Thereafter, the number of shorebirds decreased in the following ten days and the second influx at a total of 8,250 individuals (27 species) was recorded on 17 April 2012. This high number remained stable for two days and then started to drop in the next ten days. On 30 April 2012, the third but smaller influx with a total of 4,377 individuals (28 species) was recorded. In the course of May, the number of shorebirds gradually decreased from 2,320 individuals on 5 May 2012 to 890 individuals on 1 June 2012 (Figure 20).

Among all shorebird species recorded in this spring, in particular, in the first two influxes, Curlew Sandpipers *Calidris ferruginea* was the most abundant with 5,480 individuals recorded on 5 April 2012 and 6,147 individuals recorded on 17 April 2012 (Figure 37). The latter figure was the highest count among all species of passage

shorebirds recorded in this spring, an increase of 6% from the peak count of the previous year. Similar to the observations made in the previous year, a large number of Curlew Sandpipers were recorded in early spring and in the third week of April. In addition, two prominent peaks were recorded in early April and late April respectively, while the number of Curlew Sandpipers stayed low in-between these two peaks. This suggested that there were two different groups of passage Curlew Sandpipers passing through the Deep Bay area and the actual number of this shorebird species should be the sum of the two peak counts.

On the other hand, the number of several species of regular passage shorebirds recorded in this spring was smaller than that of the previous year (Table 1). Take for an example, there was considerable reduction in number of Red-necked Stint *Calidris ruficollis*. Its peak count in spring 2012 was 300 individuals, which was in stark contrast with 956 individuals recorded in spring 2011, and 3,756 individuals recorded in spring 2010. The aggregate peak count of all shorebird species recorded in spring 2012 was 11,185 birds and it was the lowest record in recent years. The peak count of some shorebird species and the aggregate peak count of all shorebird species recorded in spring 2005 to 2012 are presented in Table 1. Full details of the Shorebird Counts conducted in spring 2012 are provided in Figures 21 to 38.

Table 1. Peak counts of some shorebird species in spring of recent years.

Species	2012	2011	2010	2009	2008	2007	2006	2005
Pacific Golden Plover <i>Pluvialis fulva</i>	245	305	525	288	67	160	219	54
Lesser Sand Plover <i>Charadrius mongolus</i>	14	79	87	85	78	179	35	30
Ruddy Turnstone <i>Arenaria interpres</i>	5	34	30	40	46	100	34	39
Red Knot <i>Calidris canutus</i>	5	25	26	19	52	144	16	5
Red-necked Stint <i>C. ruficollis</i>	300	956	3,756	2,700	733	2,239	1,478	1,909
Long-toed Stint <i>C. subminuta</i>	6	59	28	32	20	4	11	7
Sharp-tailed Sandpiper <i>C. acuminata</i>	15	130	59	22	86	175	68	41
Curlew Sandpiper <i>C. ferruginea</i>	6,147	5,794	9,296	9,168	9012	10,982	4,151	3,947
Aggregate peak count of all shorebird species recorded in spring	11,185	16,187	24,035	23,614	18,468	21,223	14,942	14,312

Summer 2012

The number of shorebirds was low in June 2012 and early July 2012 - 173 birds

counted on 8 June 2012; 337 birds counted on 22 June 2012 and 218 birds counted on 4 July 2012. All these records were generally higher than the corresponding records of the previous year. Some breeding Black-winged Stilts *Himantopus himantopus* were recorded in the MPNR but their numbers were apparently lower than the records of the same period in the previous year (2012: maximum 20 adults; 2011: maximum 62 adults). Other species of migratory shorebirds were recorded in low numbers and the most notable counts were only 107 Common Greenshanks recorded on 22 June 2012 and 100 Terek Sandpipers recorded on 8 June 2012.

Aggregate numbers recorded

In an attempt to estimate the total number of shorebirds that had utilised the Mai Po Inner Deep Bay Ramsar Site during the 12-month period from July 2011 to June 2012, the peak count in autumn, winter and spring for each positively-identified shorebird species were added to obtain the aggregate number (Table 2). Some shorebird species habitually stayed in the wetlands for a prolonged period of time and hence, they might be subjected to repeated counts in different seasons. These birds are marked with asterisks in Table 2 and they were excluded from the calculation of the estimate.

Table 2. The minimum number of shorebirds estimated to have utilized the Mai Po Inner Deep Bay Ramsar Site during the 12-month period from July 2011 to June 2012.

Year	2011	2011-12	2012	2011-12	2010-11	2009-10	2008-09	2007-08
Species	autumn	winter	spring	Minimum	Minimum	Minimum	Minimum	Minimum
Pheasant-tailed Jacana <i>Hydrophasianus chirurgus</i>	1	2	1	4	3	2	1	5
Greater Painted-snipe <i>Rostratula bengalensis</i>	1	0	2	3	4	3	4	2
Black-winged Stilt <i>Himantopus himantopus</i>	147	720	257	1,124	542	1,703	1,614	670
Pied Avocet <i>Recurvirostra avosetta</i>	446*	14,604	11,488*	14,604	10,944	13,883	13,061	16,123
Oriental Pratincole <i>Glareola maldivarum</i>	1	0	1	2	6	4	3	9
Northern Lapwing <i>Vanellus vanellus</i>	0	0	0	0	0	0	0	0
Grey-headed Lapwing <i>V. cinereus</i>	0	3	0	3	2	0	1	4
Pacific Golden Plover <i>Pluvialis fulva</i>	238	775	245	1,258	1,142	539	731	642
Grey Plover <i>P. squatarola</i>	35	594	70*	629	320	637	582	780
Common Ringed Plover <i>Charadrius hiaticula</i>	0	0	0	0	0	1	0	0
Little Ringed Plover <i>C. dubius</i>	11	123	2	136	120	206	349	228
Kentish Plover <i>C. alexandrinus</i>	460	2,640	47	3,147	720	4,328	2,356	1,867
Lesser Sand Plover <i>C. mongolus</i>	4	30	14	48	111	92	119	85
Greater Sand Plover <i>C. leschenaultii</i>	115	7	114	236	861	941	795	383

Year	2011	2011-12	2012	2011-12	2010-11	2009-10	2008-09	2007-08
Species	autumn	winter	spring	Minimum	Minimum	Minimum	Minimum	Minimum
Oriental Plover <i>C. veredus</i>	0	0	0	0	0	0	0	1
Black-tailed Godwit <i>Limosa limosa</i>	465*	520	1,469	1,989	3,432	2,449	2,223	1,656
Bar-tailed Godwit <i>Limosa lapponica</i>	14	4	20	38	20	55	106	80
Little Curlew <i>Numenius minutes</i>	0	0	0	0	0	0	0	0
Whimbrel <i>Numenius phaeopus</i>	109	2	57	168	299	188	303	203
Eurasian Curlew <i>N. arquata</i>	103*	1,128	222*	1,128	1,602	1,075	1,065	1,116
Far Eastern Curlew <i>N. madagascariensis</i>	2	1	5	8	5	22	18	23
Spotted Redshank <i>Tringa erythropus</i>	29	94	272	395	623	990	1,690	1,641
Common Redshank <i>T. totanus</i>	1,002	365	428	1,795	1,577	1,473	2,215	2,257
Marsh Sandpiper <i>T. stagnatilis</i>	1,349*	2,237	878*	2,237	3,056	3,381	3,192	3,090
Common Greenshank <i>T. nebularia</i>	1,173	944	1,012	3,129	2,574	3,495	4,366	4,493
Nordmann's Greenshank <i>T. guttifer</i>	0	1	34	35	45	16	34	26
Green Sandpiper <i>T. ochropus</i>	1	31	1	33	28	45	31	34
Wood Sandpiper <i>T. glareola</i>	229	145	214	588	568	364	578	501
Terek Sandpiper <i>Xenus cinereus</i>	106	10	290	406	424	619	600	571
Common Sandpiper <i>Actitis hypoleucos</i>	3	110	2	115	96	123	65	86
Grey-tailed Tattler <i>Heteroscelus brevipes</i>	6	0	13	19	15	15	188	26
Ruddy Turnstone <i>Arenaria interpres</i>	1	0	5	6	34	30	41	46
Red-necked Phalarope <i>Phalaropus lobatus</i>	2	0	1	3	6	12	7	34
Pintail/Swinhoe's Snipe <i>Gallinago stenura/megala</i>	1	0	1	2	7	6	3	12
Common Snipe <i>Gallinago gallinago</i>	1	27	0	28	27	21	5	28
Long-billed Dowitcher <i>Limnodromus scolopaceus</i>	0	1	1	2	6	3	5	3
Asian Dowitcher <i>Limnodromus semipalmatus</i>	3	0	69	72	82	194	138	441
Red Knot <i>Calidris canutus</i>	9	3	5	17	27	50	25	66
Great Knot <i>C. tenuirostris</i>	46	24	106	176	174	407	432	207
Sanderling <i>C. alba</i>	0	0	1	1	6	4	12	5
Red-necked Stint <i>C. ruficollis</i>	8	3	300	311	990	3,861	2,779	913
Little Stint <i>C. minuta</i>	0	0	1	1	2	3	6	2
Temminck's Stint <i>C. temminckii</i>	0	41	2	43	51	53	43	21
Long-toed Stint <i>C. subminuta</i>	2	0	6	8	64	39	45	28
Pectoral Sandpiper <i>C. melanotos</i>	0	0	1	1	0	0	0	1

Year	2011	2011-12	2012	2011-12	2010-11	2009-10	2008-09	2007-08
Species	autumn	winter	spring	Minimum	Minimum	Minimum	Minimum	Minimum
Sharp-tailed Sandpiper <i>C. acuminata</i>	4	0	15	19	131	59	31	90
Dunlin <i>C. alpine</i>	300	3,100	1	3,401	1,478	2,500	1,177	1,800
Curlew Sandpiper <i>C. ferruginea</i>	135	0	6,147	6,282	5,889	9,350	9,454	9,195
Spoon-billed Sandpiper <i>Eurynorhynchus pygmeus</i>	0	0	1	1	4	1	1	2
Broad-billed Sandpiper <i>Limicola falcinellus</i>	13	1	21	35	101	55	89	141
Ruff <i>Philomachus pugnax</i>	0	0	1	1	5	3	4	6
Tringa spp.	0	0	0	0	0	0	3,870	939
Small wader spp. (mainly Dunlin or Kentish Plover)	0	0	540*	0	0	0	0	0
NUMBER OF SPECIES	38	32	45	46	46	46	46	48
AGGREGATE PEAK COUNT OF ALL SHOREBIRD SPECIES	4,212	28,290	11,185	43,687	38,223	53,300	54,457	50,582

Note: Number marked with asterisk refers to the birds recorded in one season which might be one and the same flock of birds found in other seasons.

As shown in Table 2 above, the aggregate peak count of all shorebird species in 2011-12 was 43,687 individuals, an increase of 14% from 2010-11 (i.e. 38,223 individuals). The increase was mainly attributable to the large number of Pied Avocets, Kentish Plovers and Dunlins wintering in the Deep Bay area in this winter. The aggregate peak count for autumn and spring was 15,397 individuals, a considerable reduction of 35% from the corresponding record of the previous year (i.e. 23,529 individuals). The ten most numerous shorebird species recorded in the 12-month period from July 2011 to June 2012, in descending order, were: Pied Avocet (14,604, 33% of all-year aggregate), Curlew Sandpiper (6,282, 14.4%), Dunlin (3,401, 7.8%), Kentish Plover (3,147, 7.2%), Common Greenshank (3,129, 7.2%), Marsh Sandpiper (2,237, 5.1%), Black-tailed Godwit (1,989, 4.6%), Common Redshank (1,795, 4.1%), Pacific Golden Plover (1,258, 2.9%) and Eurasian Curlew (1,128, 2.6%).

The peak count of a single day was not representative of the total abundance of shorebirds utilising an area because turnover of the birds had not been taken into account. Studies carried out in Morocco and Malaysia using marked birds (Howes and Bakewell 1989) found that the total number of shorebirds using a given area during migration lied in the range of 3 to 4.5 times of the peak daily count of passage shorebirds. Applying this estimate to the aggregate of 15,397 shorebirds recorded in autumn and spring, it was projected that the Deep Bay area had supported passage shorebirds in the range of 46,191 to 69,287 during migratory season in 2011-12.

Regionally important populations

Reviews and estimates of the known shorebird population size and the 1% level of the flyway or regional population of all waterbird species were adopted from the Wetland International (2012). Table 3 is an extract of certain migratory shorebirds utilising the Mai Po Inner Deep Bay Ramsar Site during the period from July 2011 to June 2012 expressed in terms of their flyway or regional population.

Table 3. Counts of some shorebird species recorded in the Deep Bay area during July 2011 to June 2012, converted in terms of flyway/regional population

Species	Flyway/regional population	Number recorded	Percentage
Pied Avocet <i>Recurvirostra avosetta</i>	1,000 (1% level)	14,604	14%
Pacific Golden Plover <i>Pluvialis fulva</i>	1,000 (1% level)	1,258	1.3%
Kentish Plover <i>Charadrius alexandrinus</i>	1,000 (1% level)	3,147	3.1%
Black-tailed Godwit <i>Limosa limosa</i>	139,000	1,989	1.4%
Eurasian Curlew <i>Numenius arquata</i>	100,000	1,128	1.1%
Spotted Redshank <i>Tringa erythropus</i>	25,000	395	1.6%
Common Redshank <i>Tringa totanus</i>	1,000 (1% level)	1,795	1.8%
Common Greenshank <i>Tringa nebularia</i>	1,000 (1% level)	3,129	3.1%
Nordmann's Greenshank <i>Tringa guttifer</i>	400-600	35	6-9%
Curlew Sandpiper <i>Calidris ferruginea</i>	135,000	6,282	4.7%

Globally threatened species

With regard to the globally threatened species listed in BirdLife International (2012), the followings were recorded during July 2011 to June 2012:

- Black-tailed Godwit (Near-threatened): a total of 1,989 individuals were recorded in this 12-month period including peak counts of 520 birds in winter and 1,469 birds in spring. The recorded figure showed a significant decrease of 42% from that of the previous year but the record of the previous year was exceptionally high. Applying the criterion that 1% regional population was 1,400 individuals (Wetlands International 2012), the Deep Bay area had supported 1.4% of the regional population in 2011-12.
- Eurasian Curlew (Near-threatened): this species was recorded in the Deep Bay area throughout the non-breeding period with higher numbers in the mid-winter period. A total of 1,128 individuals were recorded in the December Waterbird Count, a decrease of 30% from that of the previous year (i.e. 1,602

individuals, the highest record for this species in Deep Bay). Applying the criterion that 1% regional population was 1,000 individuals (Wetlands International 2012), the Deep Bay area had supported 1.1% of the regional population in 2011-12.

- Eastern Curlew (Vulnerable): It was named as “Far Eastern Curlew” in previous reports. Throughout the year, a total of 8 individuals were recorded (2 in autumn, 1 in winter and 5 in spring), an increase of 38% from the previous year (i.e. 5 individuals were recorded in 2010-11).
- Nordmann’s Greenshank (Endangered): None was recorded in autumn 2011 while 1 individual was recorded in winter 2011 and a total of 34 individuals were recorded in spring 2012. The aggregate for the year 2011-12 showed a decrease of 22% from the previous year (i.e. 2010-11, 45 individuals). Applying the criterion that the global population was in the range of 400-600 individuals (Wetlands International 2012), the Deep Bay area had supported 6-9% of the global population in 2011-12.
- Asian Dowitcher (Near-threatened): a total of 72 individuals were recorded in 2011-12 (3 in autumn and 69 in spring). There was a decrease of 12% as compared with the previous year.
- Great Knot (Vulnerable): a total of 176 individuals were recorded throughout the year 2011-12, of which 46 birds were recorded in autumn, 24 birds were recorded in winter and the rest of 106 birds were recorded in spring. Although the record taken was similar to that of the previous year (i.e. 2010-11, 174 individuals), it was comparatively lower than the aggregate number of 407 individuals recorded in 2009-10 and 432 individuals found in 2008-09.
- Spoon-billed Sandpiper (Critically Endangered): Only a single individual was recorded in the Shorebird Counts conducted in spring 2012, although it was reported by other observers that they had sighted several individuals throughout this spring. This species was a regular migrant in Hong Kong in spring but was very rare in autumn. There was also only one bird recorded in the previous year. The 1% regional population was 3 individuals (Wetlands International 2012).

Sightings of leg-flagged shorebirds

In 2011-12, a total of 204 sightings of leg-flagged shorebirds were collected through several means, including direct observations by shorebird count surveyers, reports from bird watchers and photographers, and information posted in the Hong Kong Bird Watching Society's webpage. There was a big increase of 77% in the sighting records as compared with the previous year (i.e. 115 records). Among the sighting records, a total of 148 (73%) records were birds fitted with the local Hong Kong flags (i.e. white (above) and yellow (below) flags) while the remaining 56 (27%) records were birds from overseas.

One purpose of ringing shorebirds with leg-flags was to study their migration route. Out of the 56 sighting records relating to birds from overseas, 40 (71%) of them were birds carrying a single yellow flag, meaning that they were tagged in the North Western Australia. The other 10 (18%) sightings were birds attached with a single orange flag, meaning that they were originated from Victoria, Australia. There were also records relating to a Dunlin from Sakhalin Island of Russia, a Grey-tailed Tattler from Shanghai, Mainland China and a Curlew Sandpiper from Thailand. More details are provided in Appendix 5. In terms of shorebird species, flagged Curlew Sandpipers were recorded in 26 (13%) sightings and flagged Red-necked Stints made up the other 15 (7%) sightings.

Other observations

Comparing to the previous year, the shorebirds abundance in the Mai Po Inner Deep Bay Ramsar Site was higher in winter but lower in autumn and spring. Tidal height was one important factor affecting the counting activities as more accurate result was obtained at time of high tide. However, on several counting days with high tide in autumn 2011 and spring 2012, comparatively low numbers of waterbirds were recorded even they were days with high tide. There was no particular meteorological information from the Hong Kong Observatory that could provide possible or relevant explanation for the decline in shorebird abundance in autumn and spring. This reflected that a few shorebird species were in fact declining in number in the Deep Bay area.

A recent analysis of the East Asia coastal area indicated that intertidal mudflat in the East Asian region has been seriously threatened by economic developments (MacKinnon *et. al.* 2012). In recent years, the numbers of Spoon-billed Sandpiper, Eastern Curlew and Great Knot are decreasing and there are increasing concerns at the international level about their globally threatened status. In addition, the 1%

regional population of Spotted Redshank has now been revised to 250 individuals only (Wetlands International 2012), which was previously set at 1,000 individuals. This species has also shown a declining trend in its population in the Deep Bay area. On the whole, the Shorebird Count is an important tool for analyzing the annual trend of shorebird abundance in the Inner Deep Bay area.

Acknowledgements

We would like to thank members of the Hong Kong Bird Watching Society for providing sighting reports of colour-flagged shorebirds.

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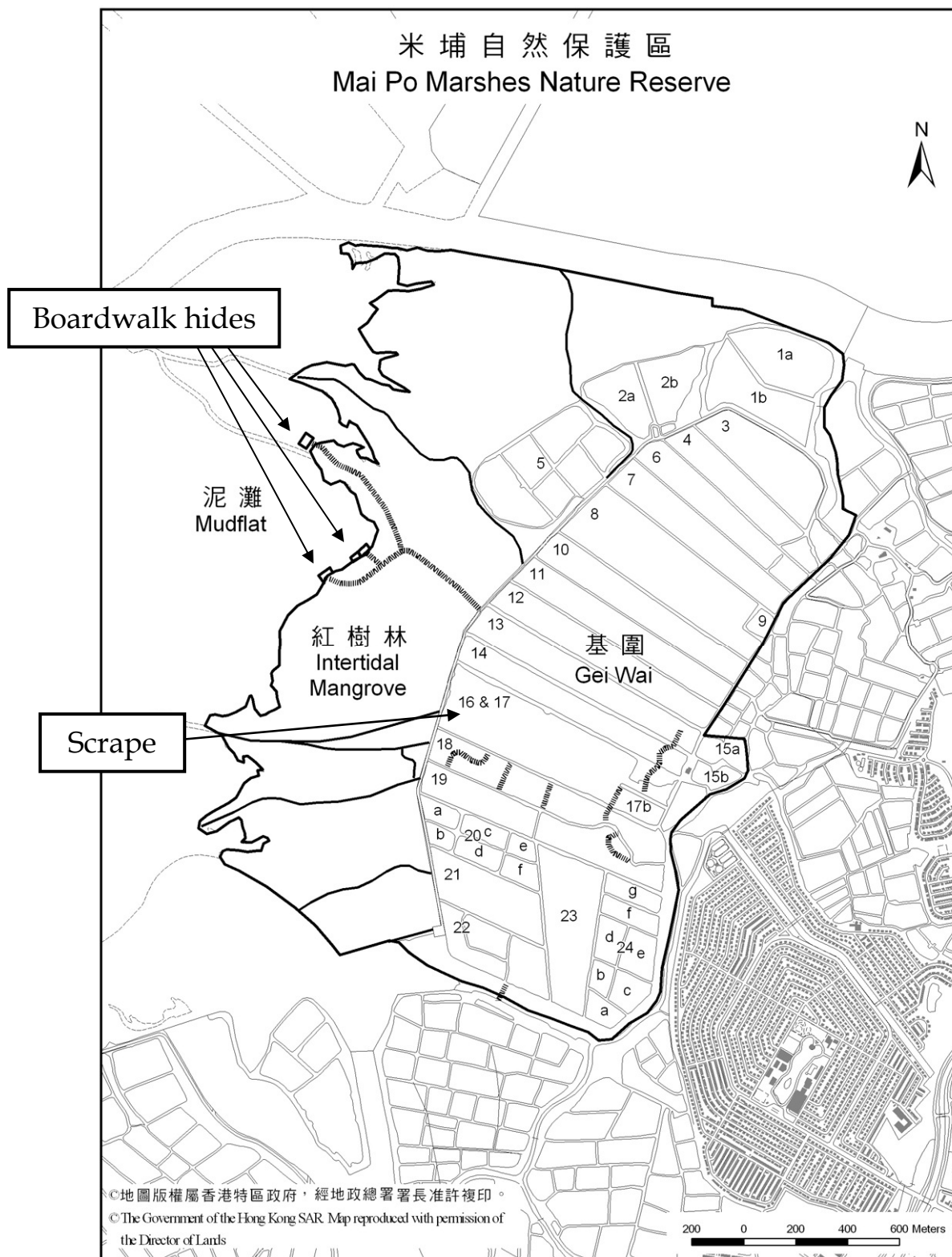
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Map 1. Mai Po Nature Reserve – the site under study in the Shorebird Monitoring Programme, 2011-12.





Shorebird Monitoring at the Mai Po Marshes and Inner Deep Bay Ramsar Site

2011-12 Report

Appendix 1

Counts of shorebirds in the Mai Po Inner Deep Bay
Ramsar Site in autumn 2011



The Hong Kong Bird Watching Society



Agriculture, Fisheries and Conservation Department

Counts of shorebirds in the Mai Po Inner Deep Bay Ramsar Site in autumn 2011

[illegible]

Whimbrel	0	26	13	2	66	77	109	75	90	29	64	2	11	2	9	2	2
Eurasian Curlew	0	45	52	65	83	41	77	71	76	74	76	103	13	98	99	101	13
Far Eastern Curlew	0	0	0	0	0	0	0	0	0	1	1	1	0	2	0	1	0
Spotted Redshank	0	2	0	2	29	19	3	0	0	2	2	7	9	3	1	27	1
Common Redshank	0	348	487	821	1002	728	219	240	121	103	75	206	48	77	71	112	29
Marsh Sandpiper	0	10	15	8	40	94	73	163	148	368	399	587	417	890	665	1349	540
Common Greenshank	0	57	338	434	1054	1173	513	871	655	596	758	919	891	958	530	804	3
Nordmann's Greenshank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Green Sandpiper	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Wood Sandpiper	0	4	73	46	229	64	94	54	0	31	4	24	73	88	0	56	0
Terek Sandpiper	0	5	0	1	39	100	106	14	8	5	33	0	1	0	0	0	0
Common Sandpiper	0	3	0	0	0	0	0	0	2	1	0	1	1	0	0	0	2
Grey-tailed Tattler	0	0	0	0	4	0	3	0	6	0	2	0	1	0	0	0	0
Ruddy Turnstone	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
Red-necked Phalarope	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Pintail/Swinhoe's Snipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Common Snipe	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Long-billed Dowitcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asian Dowitcher	0	0	0	0	1	3	3	3	1	1	2	2	0	0	0	0	0
Red Knot	0	1	0	0	1	0	1	0	0	9	8	0	0	0	0	1	0
Great Knot	0	0	0	1	0	0	4	1	6	46	39	1	15	0	4	40	15
Sanderling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Red-necked Stint	0	0	1	0	0	3	0	0	2	8	5	0	0	0	0	0	0
Little Stint	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temminck's Stint	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Long-toed Stint	0	0	1	1	0	2	0	0	0	1	0	1	0	0	0	0	0
Pectoral Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sharp-tailed Sandpiper	0	0	0	1	0	4	1	3	0	0	1	0	0	0	0	0	0
Dunlin	0	0	0	1	0	0	0	0	1	1	2	0	0	1	5	29	300
Curlew Sandpiper	0	0	5	135	0	9	12	2	0	1	0	0	1	0	0	0	0
Spoon-billed Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Broad-billed Sandpiper	0	0	0	0	0	0	1	0	0	13	9	0	1	0	0	0	0
Ruff	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sand Plover sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small wader sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large <i>tringa</i> sp.	0	0	0	0	0	230	0	0	0	0	0	0	0	0	0	0	0
Total:	0	553	1053	1598	2705	2938	1786	1827	1258	1736	2025	2248	1846	2802	1432	3531	1416

Shorebird Monitoring at the Mai Po Marshes and Inner Deep Bay Ramsar Site

2011-12 Report

Appendix 2

Counts of shorebirds in the Mai Po Inner Deep Bay
Ramsar Site in winter 2011-12



The Hong Kong Bird Watching Society



Agriculture, Fisheries and Conservation Department

Counts of shorebirds in the Mai Po Inner Deep Bay Ramsar Site in winter
2011-12

	22 Nov	16 Dec	16 Jan	13 Feb
Pheasant-tailed Jacana	0	0	0	0
Greater Painted-snipe	0	0	0	0
Black-winged Stilt	2	0	20	0
Pied Avocet	1338	5639	9294	10130
Oriental Pratincole	0	0	0	0
Northern Lapwing	0	0	0	0
Grey-headed Lapwing	0	0	0	0
Pacific Golden Plover	108	49	65	0
Grey Plover	260	237	316	594
Common Ringed Plover	0	0	0	0
Little Ringed Plover	0	0	0	3
Kentish Plover	354	880	2125	0
Lesser Sand Plover	2	30	0	0
Greater Sand Plover	7	0	0	0
Oriental Plover	0	0	0	0
Black-tailed Godwit	1	13	0	0
Bar-tailed Godwit	3	4	1	0
Little Curlew	0	0	0	0
Whimbrel	2	0	1	1
Eurasian Curlew	220	433	963	974
Far Eastern Curlew	0	0	0	1
Spotted Redshank	6	23	94	0
Common Redshank	43	72	177	36
Marsh Sandpiper	231	573	685	1591
Common Greenshank	839	617	322	95
Nordmann's Greenshank	0	0	0	1
Green Sandpiper	0	0	0	0
Wood Sandpiper	0	0	4	0
Terek Sandpiper	0	0	1	0
Common Sandpiper	0	0	1	2
Grey-tailed Tattler	0	0	0	0
Ruddy Turnstone	0	0	0	0
Red-necked Phalarope	0	0	0	0

	22 Nov	16 Dec	16 Jan	13 Feb
Pintail/Swinhoe's Snipe	0	0	0	0
Common Snipe	0	0	0	0
Long-billed Dowitcher	0	0	1	1
Asian Dowitcher	0	0	0	0
Red Knot	0	3	0	3
Great Knot	0	24	2	23
Sanderling	0	0	0	0
Red-necked Stint	3	2	1	0
Little Stint	0	0	0	0
Temminck's Stint	0	0	5	1
Long-toed Stint	0	0	0	0
Pectoral Sandpiper	0	0	0	0
Sharp-tailed Sandpiper	0	0	0	0
Dunlin	2445	1631	255	216
Curlew Sandpiper	0	0	0	0
Spoon-billed Sandpiper	0	0	0	0
Broad-billed Sandpiper	1	1	0	0
Ruff	0	0	0	0
Sand Plover sp.	0	0	0	0
Small wader sp.	0	0	0	0
Tringas/godwits	0	0	0	0
Total:	5865	10231	14333	13672

Shorebird Monitoring at the Mai Po Marshes and Inner Deep Bay Ramsar Site

2011-12 Report

Appendix 3

Counts of shorebirds in the Mai Po Inner Deep Bay
Ramsar Site in spring 2012



The Hong Kong Bird Watching Society



Agriculture, Fisheries and Conservation Department

Counts of shorebirds in the Mai Po Inner Deep Bay Ramsar Site in spring 2012

	22-24 Mar	25-27 Mar	28-30 Mar	31-2 Apr	3-5 Apr	6-8 Apr	9-11 Apr	12-14 Apr	15-17 Apr	18-20 Apr	21-23 Apr	24-26 Apr	27-29 Apr	30-2 May	3-5 May	6-8 May	9-11 May	12-14 May	15-17 May	18-20 May	21-23 May	24-26 May	27-29 May	30-1 Jun	2-15 Jun	16-30 Jun	1-15 Jul
Pheasant-tailed Jacana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Greater Painted-snipe	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	1	0	0	0	0
Black-winged Stilt	4	74	130	183	42	232	257	175	3	76	113	55	138	98	66	43	44	29	50	35	29	30	25	38	20	17	15
Pied Avocet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	565	0	51	11
Oriental Pratincole	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	6	0	0	0	7	8	0
Northern Lapwing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grey-headed Lapwing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Golden Plover	169	165	13	3	82	2	2	2	156	80	4	1	1	245	133	0	0	0	0	0	0	0	0	0	0	0	0
Grey Plover	10	28	70	27	42	6	5	8	2	3	5	3	5	22	15	0	3	10	6	4	5	2	3	0	0	4	6
Common Ringed Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Little Ringed Plover	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	2
Kentish Plover	7	9	47	9	7	25	0	0	1	0	6	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0
Lesser Sand Plover	0	1	2	3	14	5	0	0	9	6	8	0	1	5	12	13	1	0	4	0	10	0	0	0	1	0	0
Greater Sand Plover	0	1	67	31	114	70	4	0	75	67	27	0	36	37	77	80	70	110	27	36	54	58	23	1	5	0	0
Oriental Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Black-tailed Godwit	2	0	363	0	635	1205	1469	1316	676	1063	901	1007	578	810	164	8	6	20	8	1	1	6	1	3	0	13	5
Bar-tailed Godwit	2	4	4	4	4	20	8	10	4	8	10	5	1	2	0	0	0	0	0	0	0	2	5	0	0	0	0
Little Curlew	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whimbrel	0	1	1	2	1	3	1	0	2	13	8	3	13	37	57	17	12	13	16	13	12	21	12	3	12	14	22
Eurasian Curlew	222	125	108	115	51	62	44	27	15	26	23	18	27	17	9	9	6	9	11	11	11	10	11	15	12	11	14
Far Eastern Curlew	0	0	0	0	5	5	4	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	22-24 Mar	25-27 Mar	28-30 Mar	31-2 Apr	3-5 Apr	6-8 Apr	9-11 Apr	12-14 Apr	15-17 Apr	18-20 Apr	21-23 Apr	24-26 Apr	27-29 Apr	30-2 May	3-5 May	6-8 May	9-11 May	12-14 May	15-17 May	18-20 May	21-23 May	24-26 May	27-29 May	30-1 Jun	2-15 Jun	16-30 Jun	1-15 Jul
Spotted Redshank	4	12	268	198	53	272	106	31	33	177	3	118	255	231	150	85	92	31	6	4	3	3	1	0	0	0	0
Common Redshank	41	21	63	113	64	428	157	124	281	147	62	57	89	72	201	76	127	90	61	51	36	12	11	7	4	11	59
Marsh Sandpiper	70	238	225	556	878	300	433	260	297	339	173	21	10	28	1	0	0	1	0	0	1	0	0	0	0	0	0
Common Greenshank	522	799	572	778	376	767	414	483	230	293	160	460	688	1012	930	335	395	165	76	85	26	86	68	81	5	107	84
Nordmann's Greenshank	1	1	3	7	24	5	9	3	3	3	0	0	0	2	7	0	0	2	3	1	0	0	0	0	0	0	0
Green Sandpiper	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wood Sandpiper	0	0	35	5	1	42	14	214	5	1	5	3	14	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Terek Sandpiper	0	0	5	10	78	71	44	16	155	51	52	4	64	81	72	119	94	116	119	227	162	188	290	156	100	96	0
Common Sandpiper	0	0	2	0	1	2	0	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0
Grey-tailed Tattler	0	0	0	1	0	0	0	2	0	3	0	2	1	13	0	1	1	0	9	0	0	1	0	0	2	1	0
Ruddy Turnstone	0	0	0	0	0	1	0	0	1	2	5	0	0	1	0	1	0	1	1	1	0	0	0	0	0	0	0
Red-necked Phalarope	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0
Pintail/Swinhoe's Snipe	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Common Snipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Long-billed Dowitcher	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asian Dowitcher	0	0	0	0	2	2	6	8	1	20	5	13	4	69	5	0	0	0	0	0	0	0	0	0	0	0	0
Red Knot	0	0	2	0	0	2	0	0	0	2	0	0	0	5	0	2	0	0	0	0	0	2	2	0	0	0	0
Great Knot	6	5	106	37	50	15	2	10	1	6	3	0	6	9	13	3	1	10	6	4	7	5	7	1	3	1	0
Sanderling	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Red-necked Stint	16	1	49	26	300	282	1	0	137	213	129	35	144	123	60	179	143	82	60	105	94	36	15	12	0	0	0
Little Stint	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temminck's Stint	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Long-toed Stint	0	0	0	0	0	0	0	6	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0

	22-24 Mar	25-27 Mar	28-30 Mar	31-2 Apr	3-5 Apr	6-8 Apr	9-11 Apr	12-14 Apr	15-17 Apr	18-20 Apr	21-23 Apr	24-26 Apr	27-29 Apr	30-2 May	3-5 May	6-8 May	9-11 May	12-14 May	15-17 May	18-20 May	21-23 May	24-26 May	27-29 May	30-1 Jun	2-15 Jun	16-30 Jun	1-15 Jul
Pectoral Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sharp-tailed Sandpiper	0	0	0	0	1	15	3	1	1	14	3	1	0	1	0	8	2	0	5	4	5	7	8	2	0	0	0
Dunlin	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Curlew Sandpiper	105	257	129	40	5480	535	96	154	6147	5225	603	35	59	1437	335	58	52	28	4	3	17	28	8	6	2	0	0
Spoon-billed Sandpiper	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Broad-billed Sandpiper	0	1	3	8	21	9	0	0	13	12	3	1	1	15	9	12	0	0	1	0	0	0	0	0	0	0	0
Ruff	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small wader sp.	0	540	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large <i>tringa</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	1,183	2,283	2,269	2,158	8,329	4,385	3,079	2,852	8,250	7,855	2,315	1,847	2,137	4,377	2,320	1,052	1,050	719	476	585	480	498	493	890	173	337	218



Shorebird Monitoring at the Mai Po Marshes and Inner Deep Bay Ramsar Site

2011-12 Report

Appendix 4



The Hong Kong Bird Watching Society



Agriculture, Fisheries and Conservation Department

Figure 1. Total number of shorebirds recorded at Mai Po Inner Deep Bay, autumn 2011

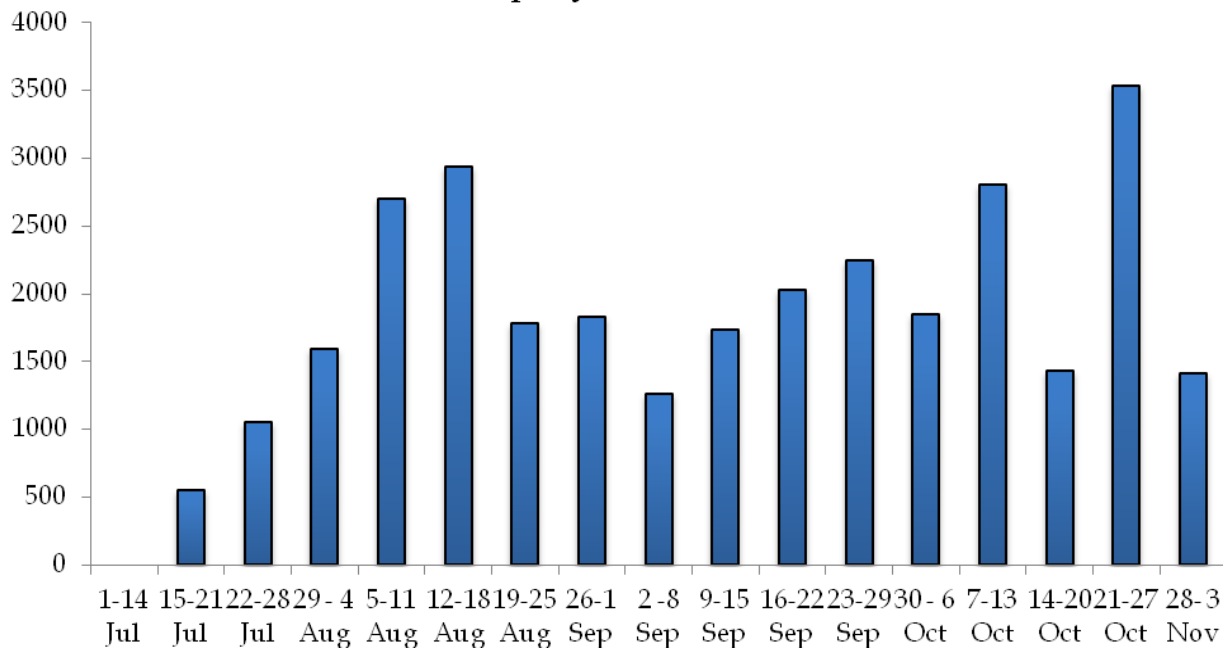


Figure 2. Counts of Black-winged Stilt at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

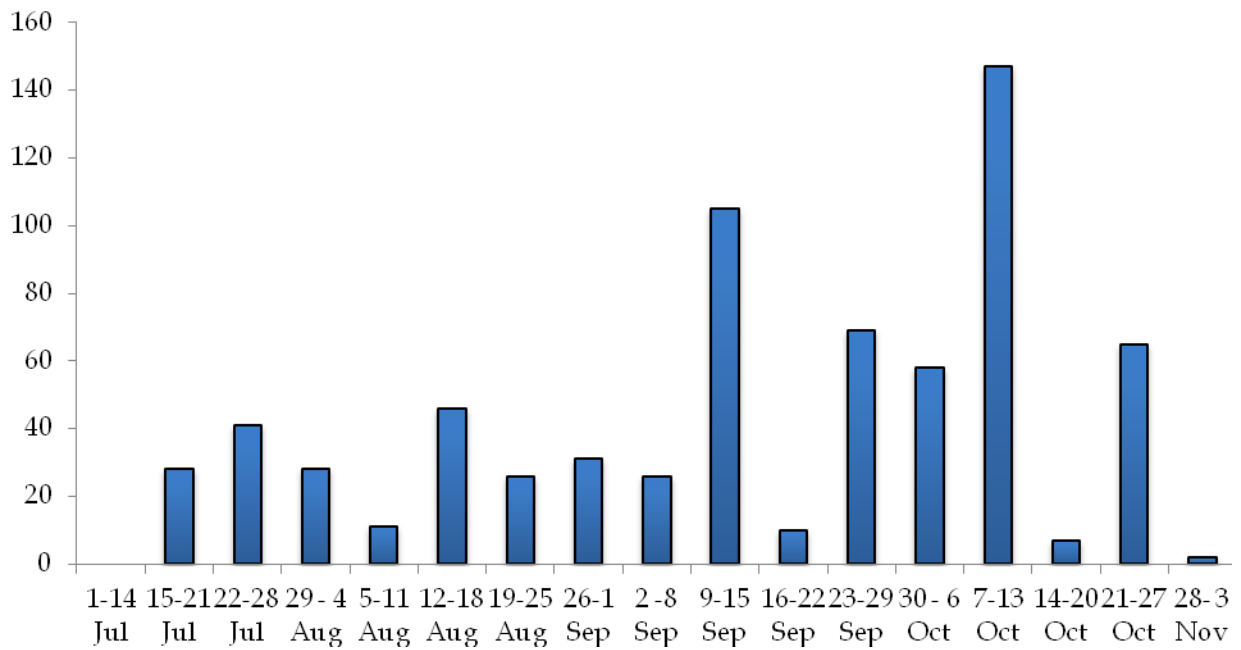


Figure 3. Counts of Pacific Golden Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

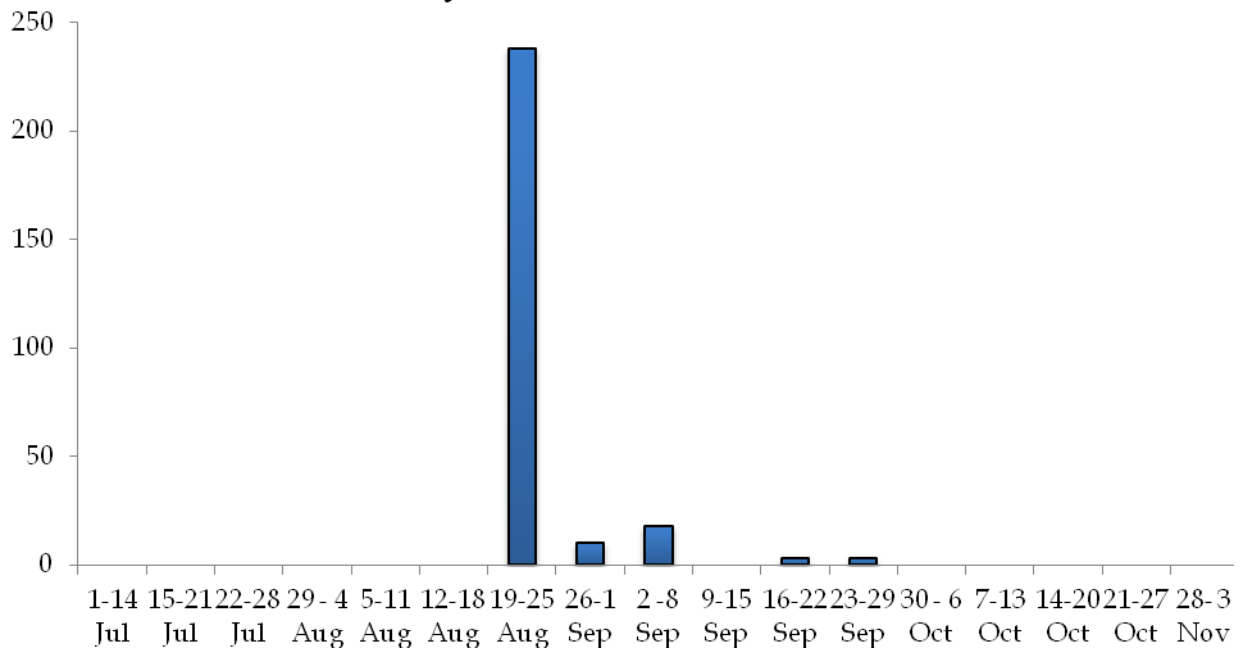


Figure 4. Counts of Kentish Plover at Mai Inner Deep Bay Ramsar Site, autumn 2011

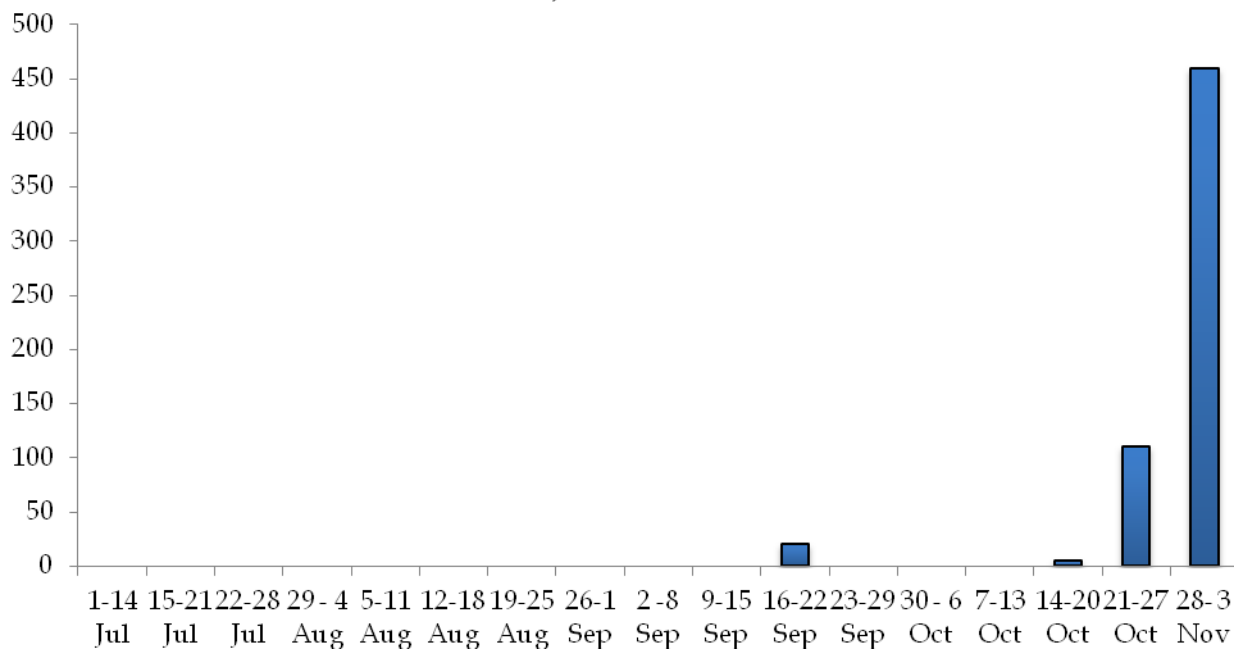


Figure 5. Counts of Grey Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

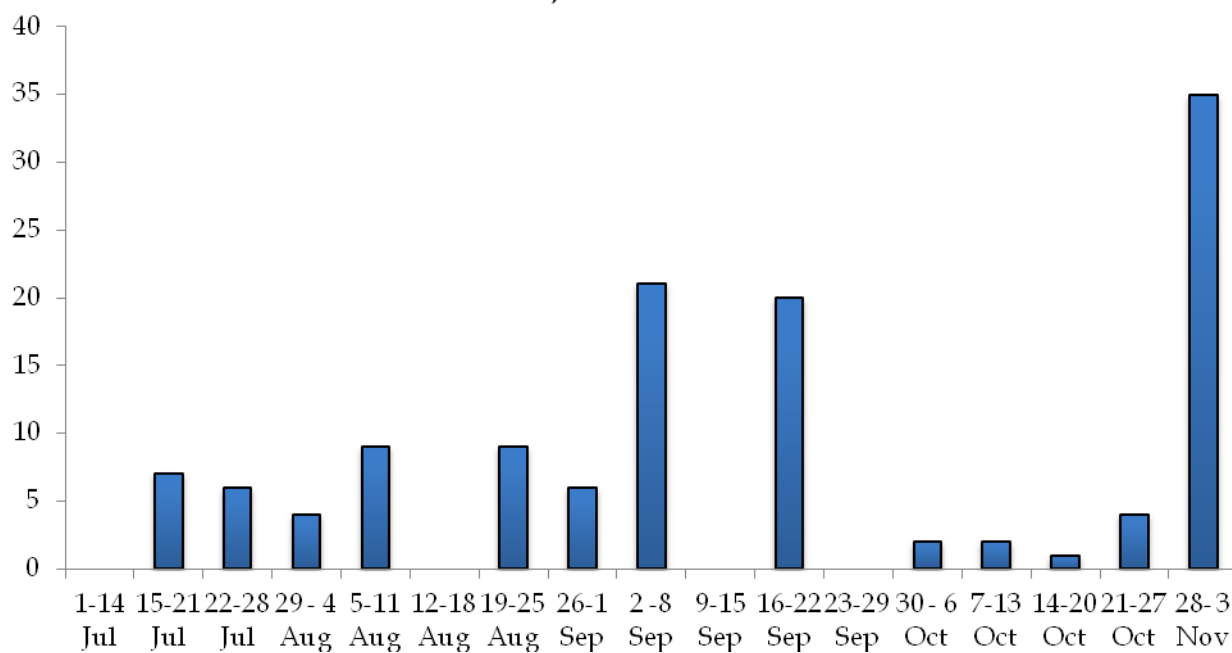


Figure 6. Counts of Lesser Sand Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

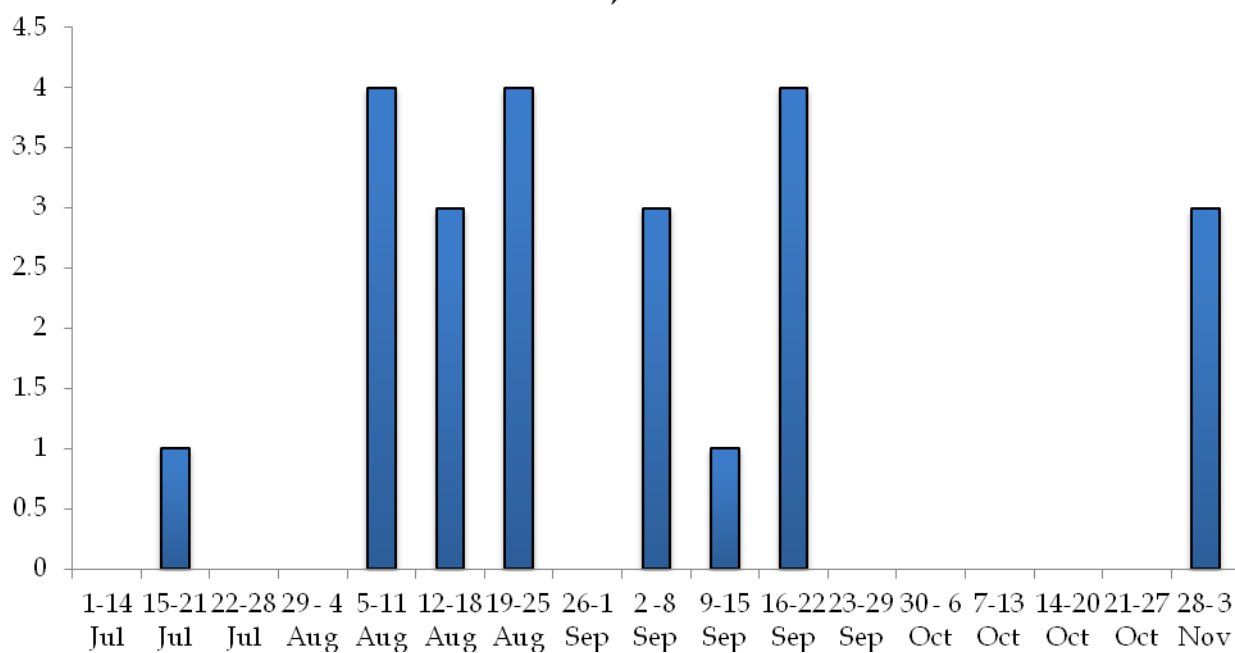


Figure 7. Counts of Greater Sand Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

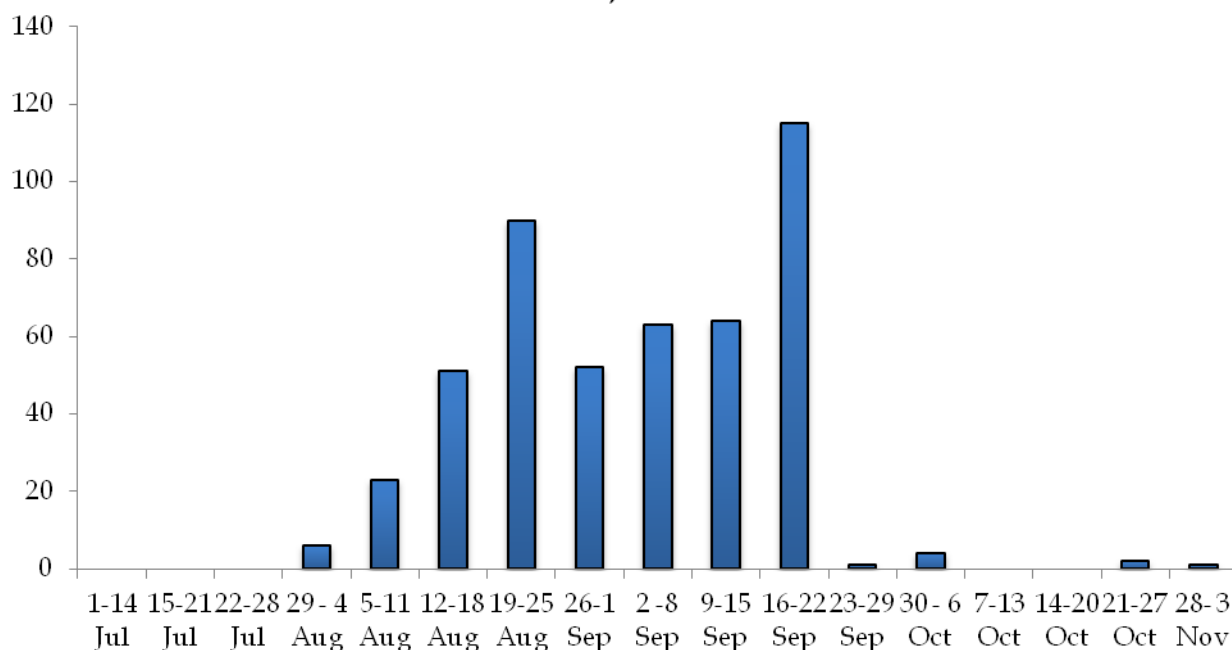


Figure 8. Counts of Black-tailed Godwit at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

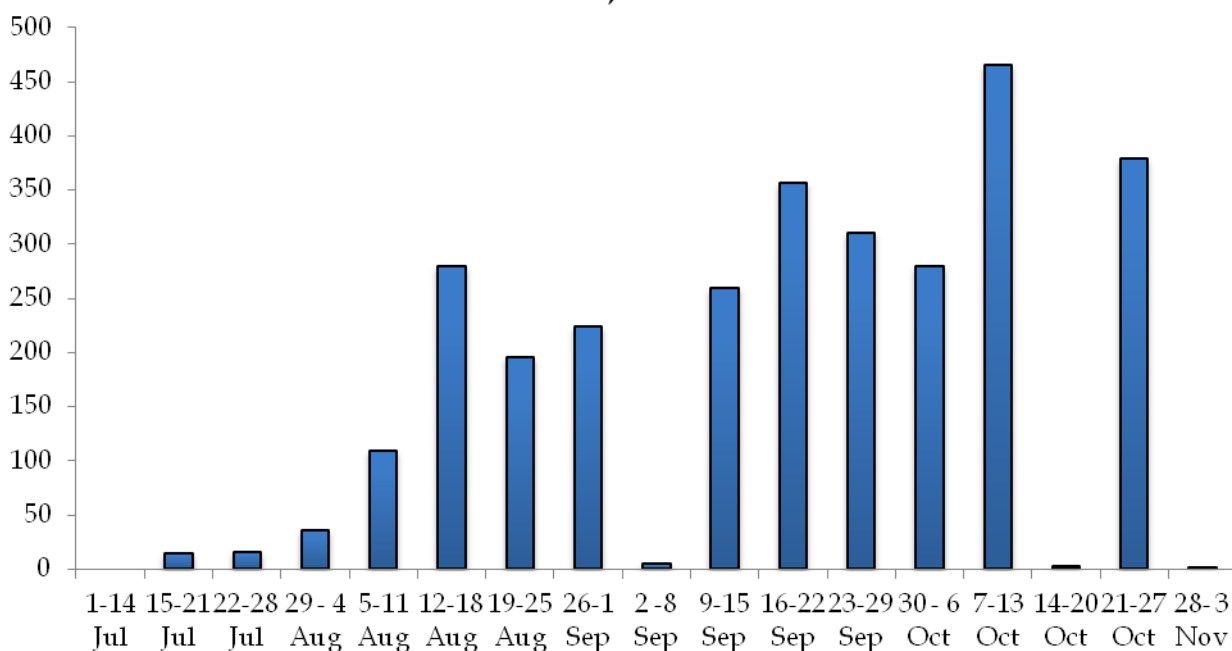


Figure 9. Counts of Bar-tailed Godwit at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

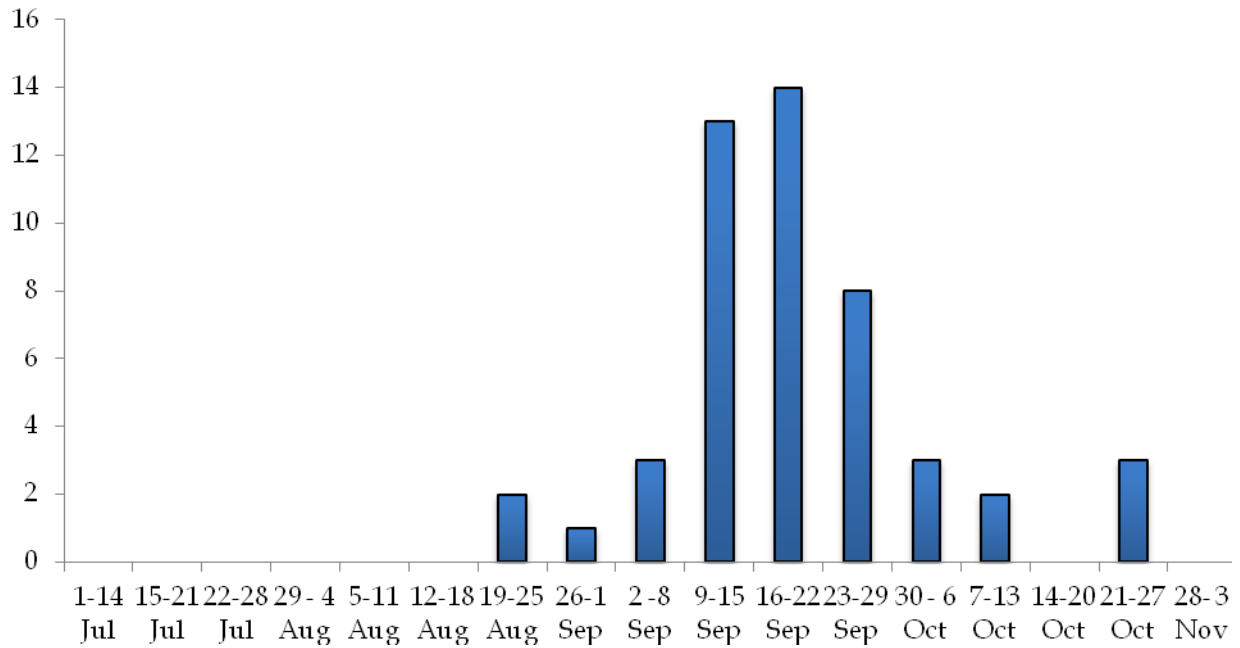
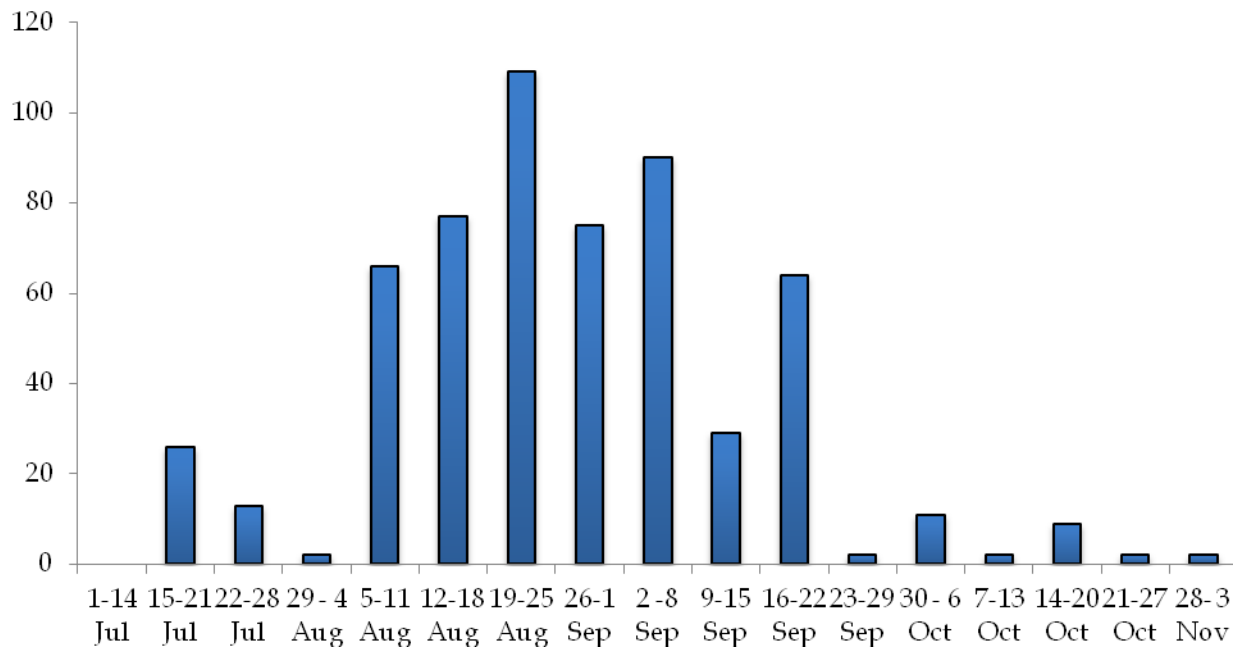
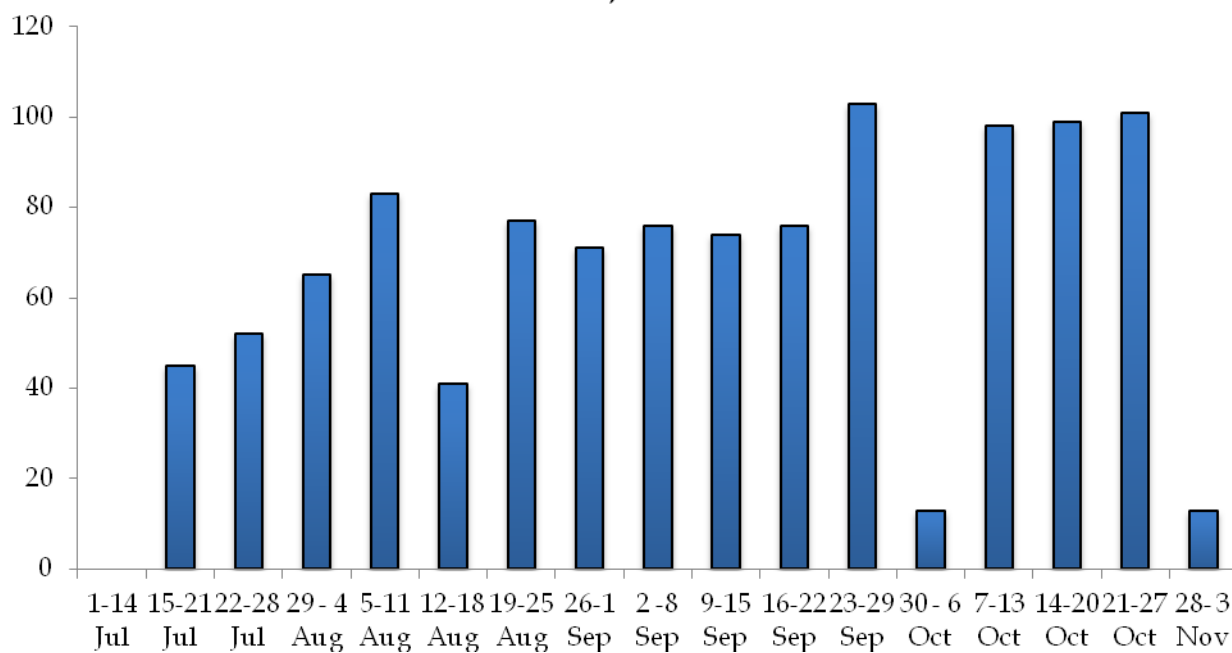


Figure 10. Counts of Whimbrel at Mai Po Inner Deep Bay Ramsar Site, autumn 2011



**Figure 11. Counts of Eurasian Curlew at Mai Po Inner Deep Bay
Ramsar Site, autumn 2011**



**Figure 12. Counts of Spotted Redshank at Mai Po Inner Deep Bay
Ramsar Site, autumn 2011**

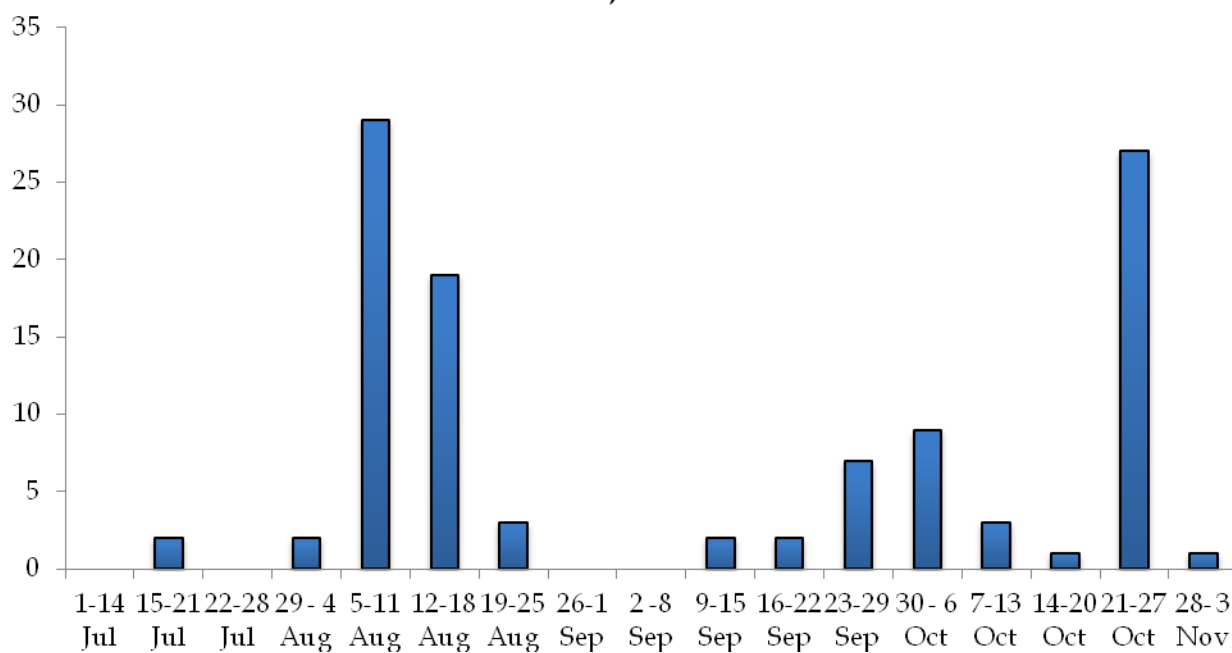


Figure 13. Counts of Common Redshank at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

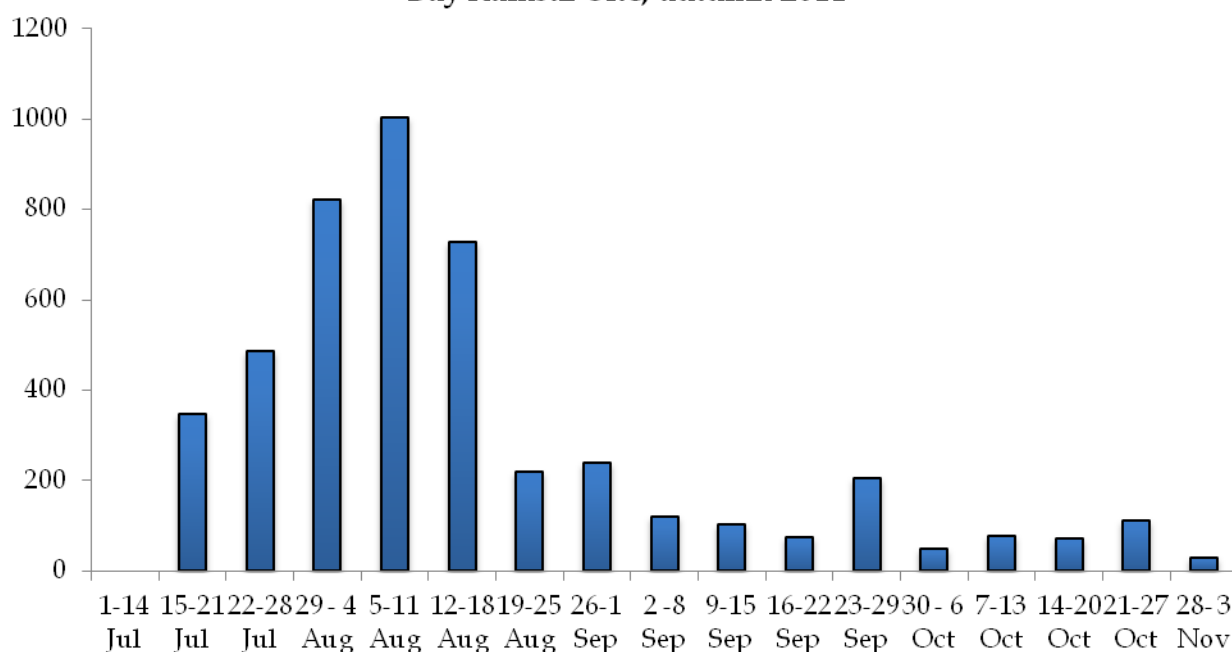


Figure 14. Counts of Marsh Sandpiper at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

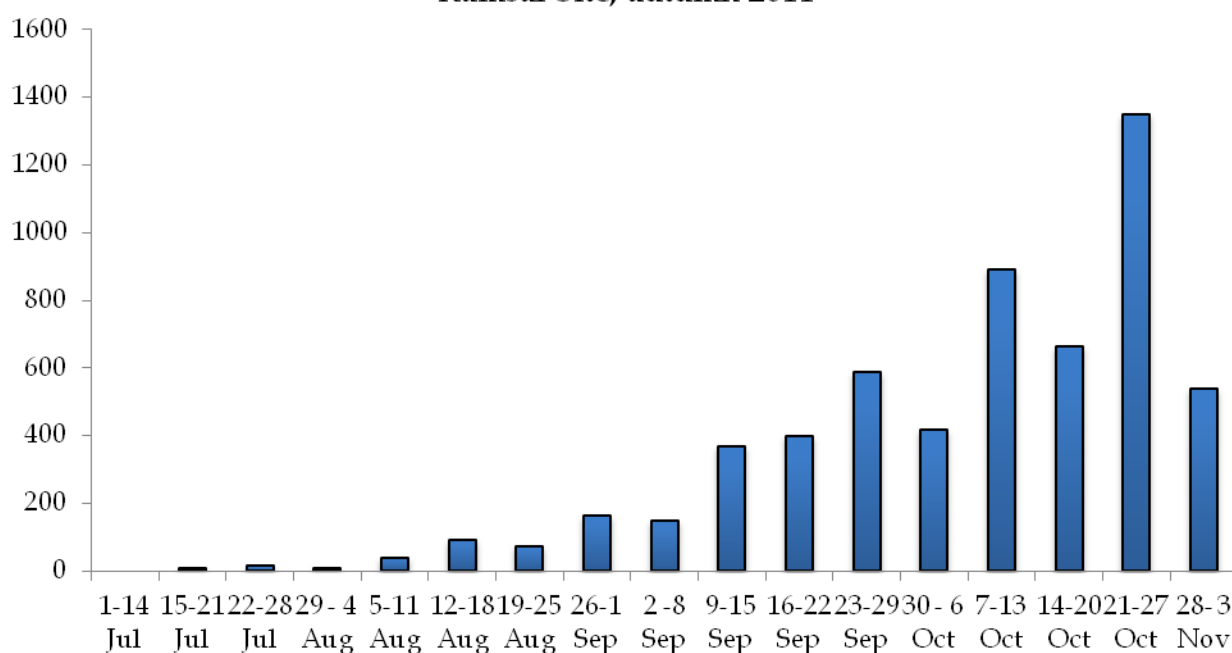


Figure 15. Counts of Common Greenshank at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

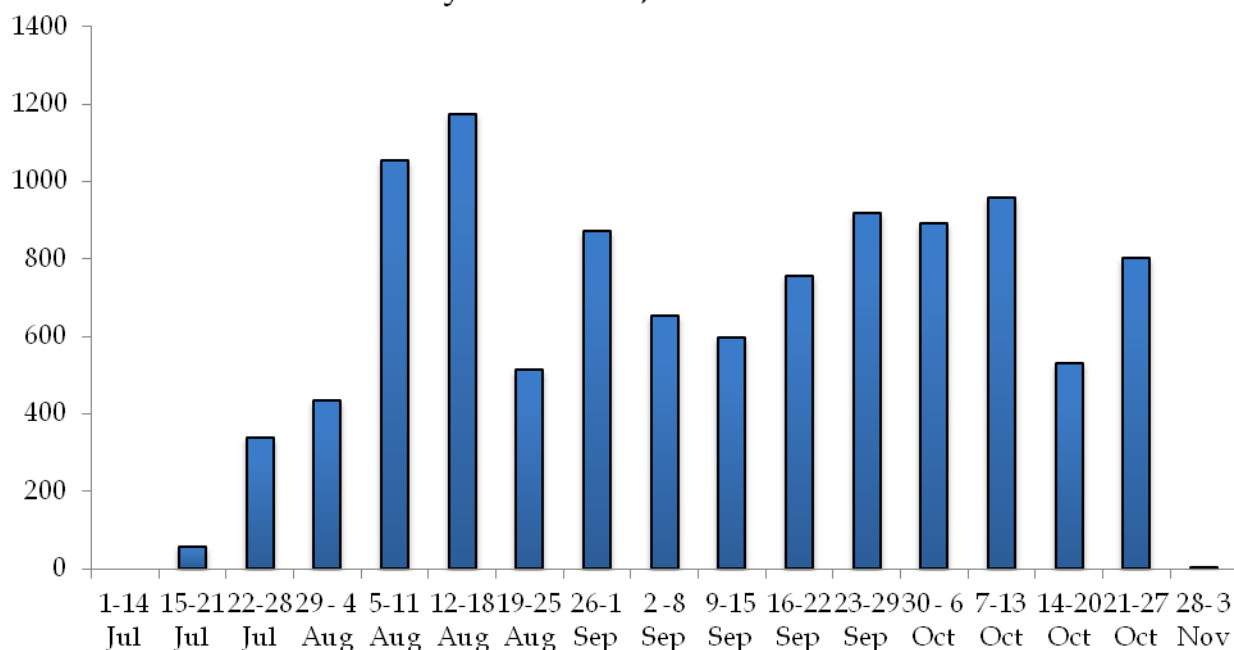


Figure 16. Counts of Wood Sandpiper at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

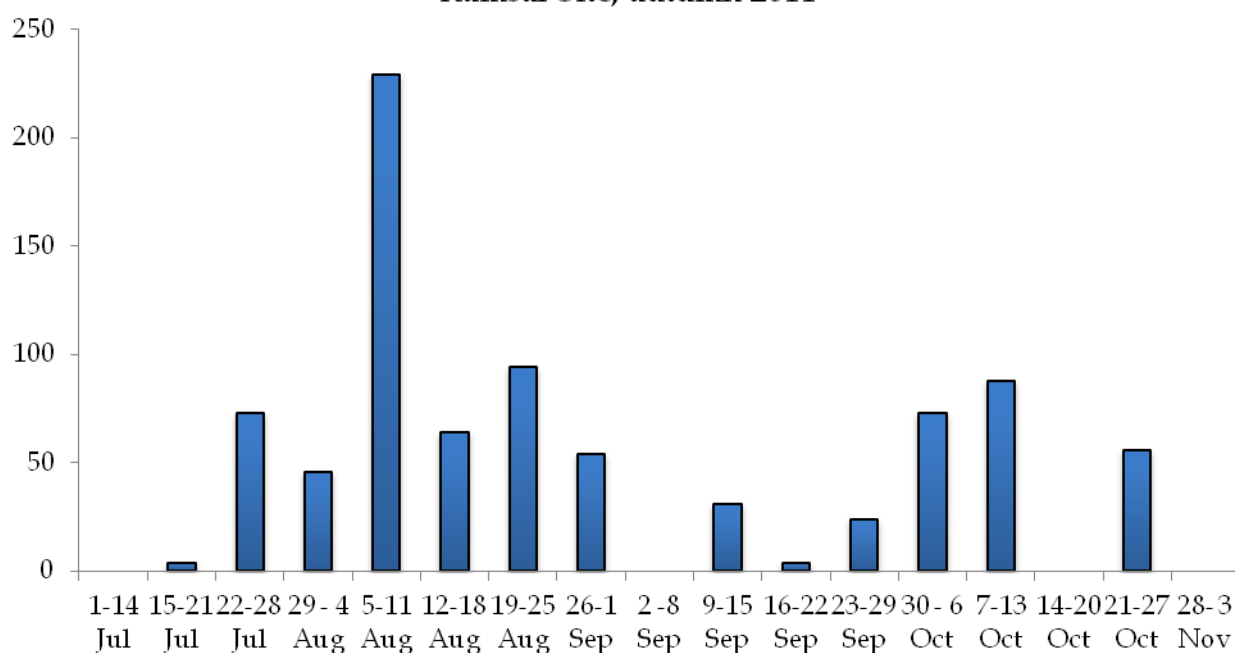


Figure 17. Counts of Great Knot at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

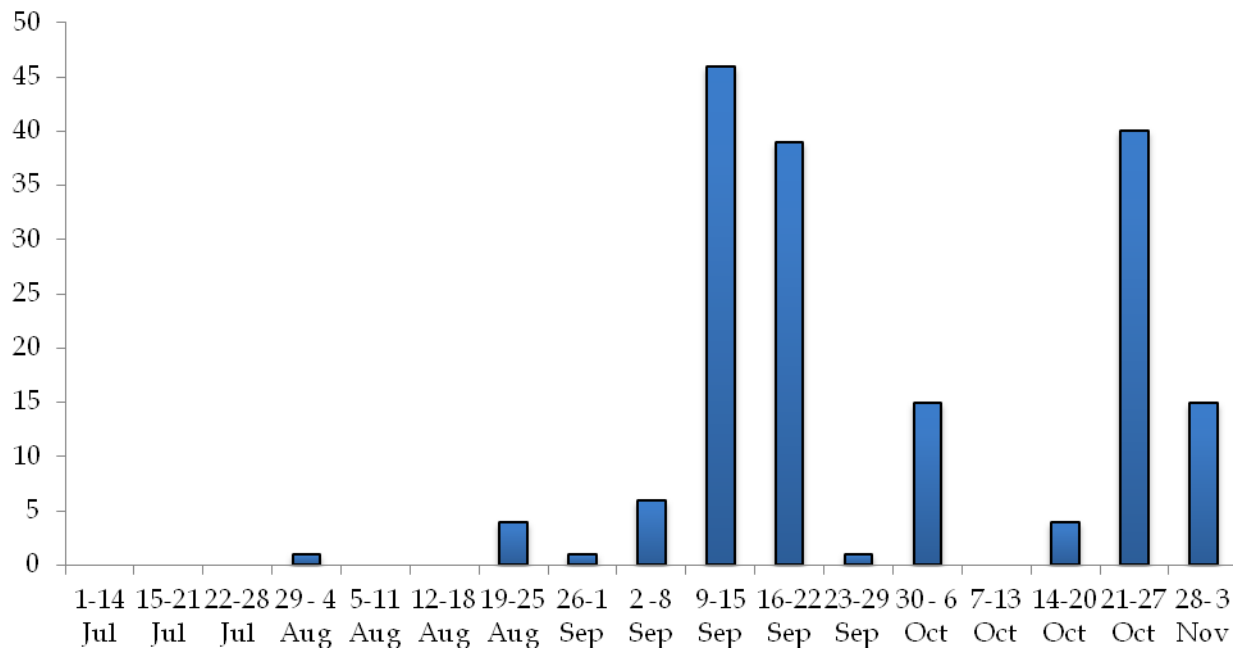


Figure 18. Counts of Red Knot at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

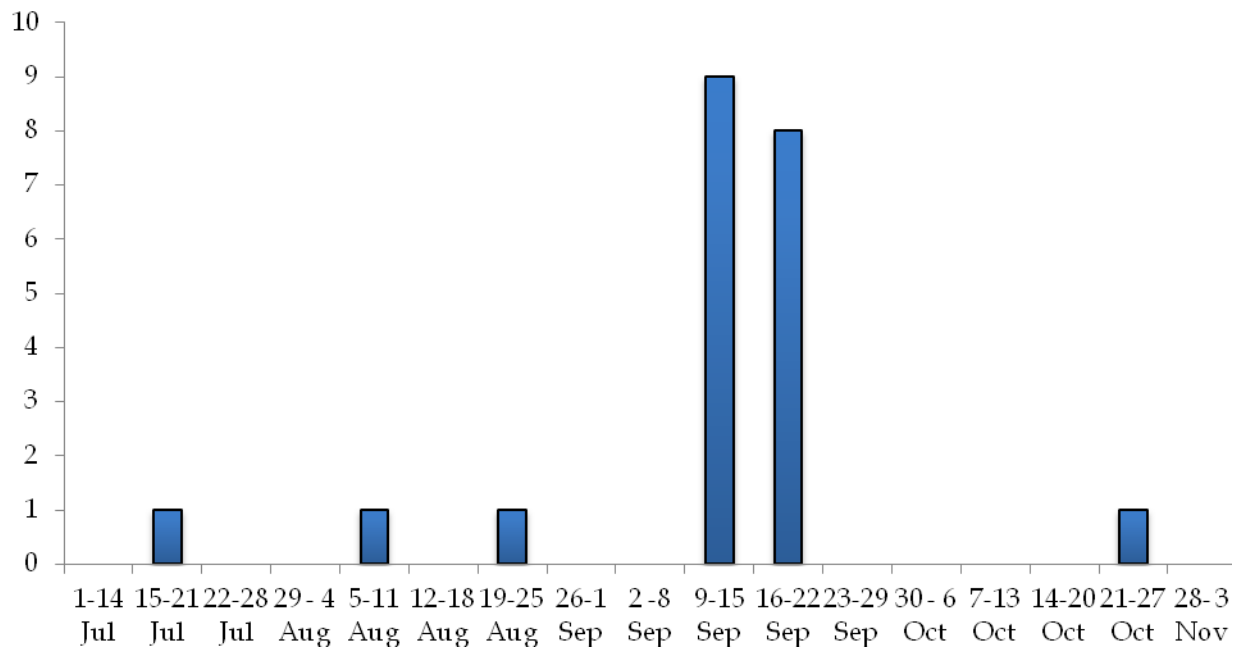


Figure 19. Counts of Broad-billed Sandpiper at Mai Po Inner Deep Bay Ramsar Site, autumn 2011

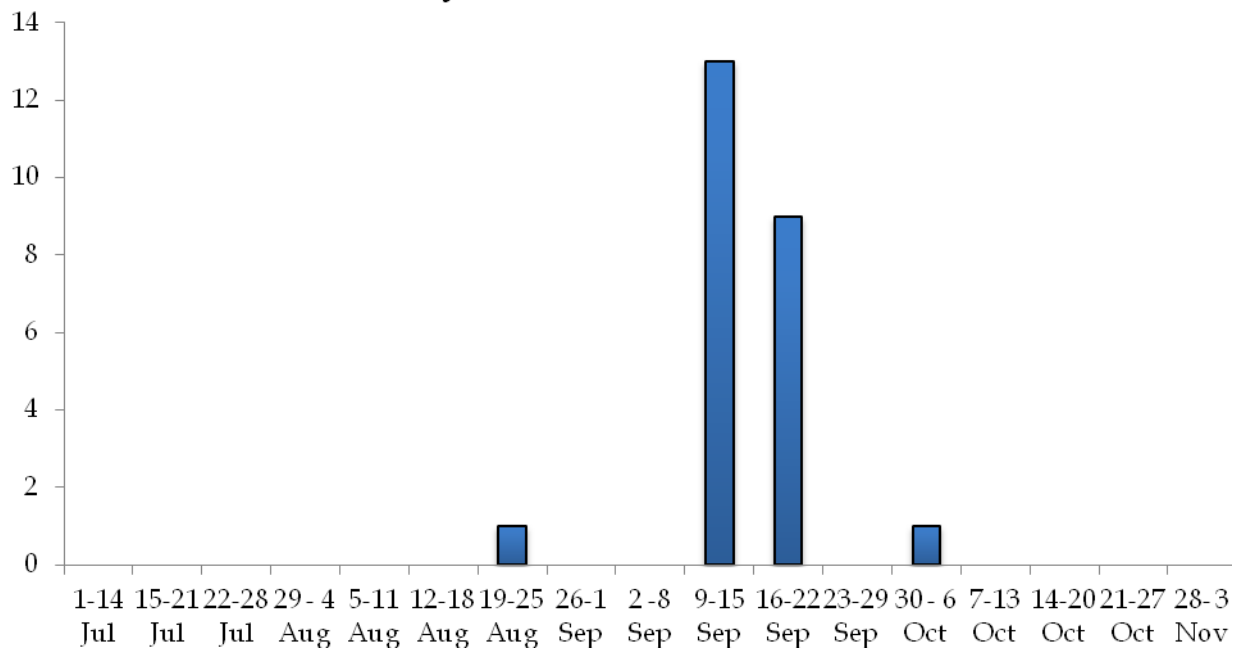


Figure 20. Total number of shorebirds recorded at Mai Po Inner Deep Bay, spring 2012

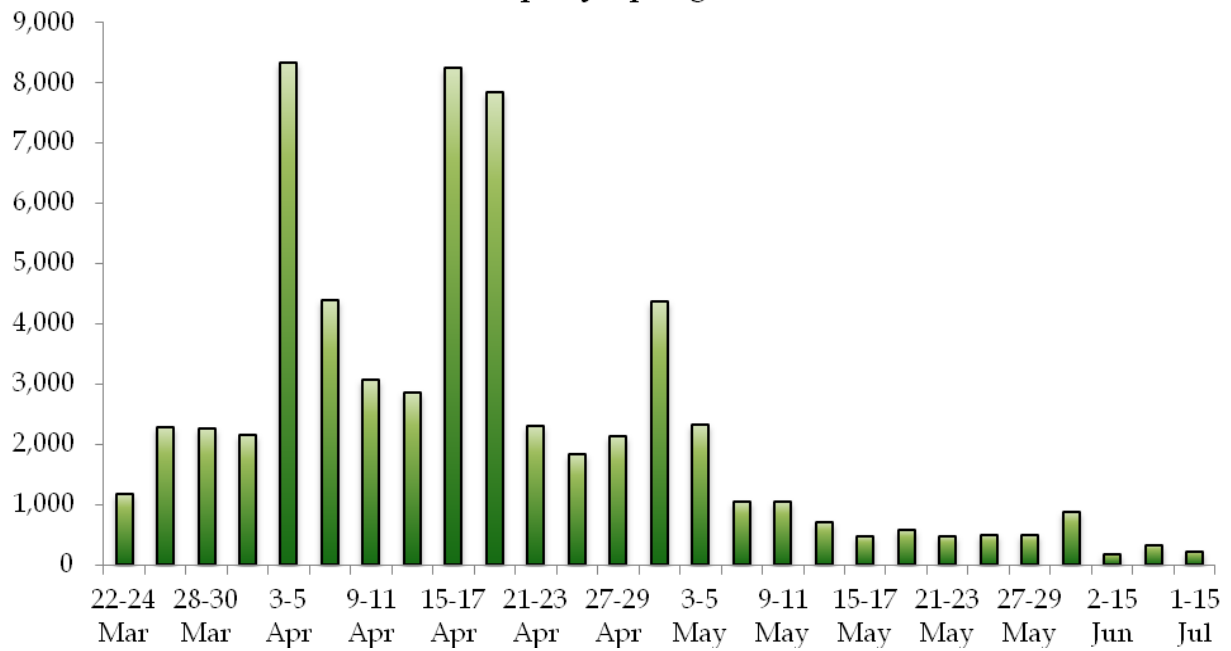
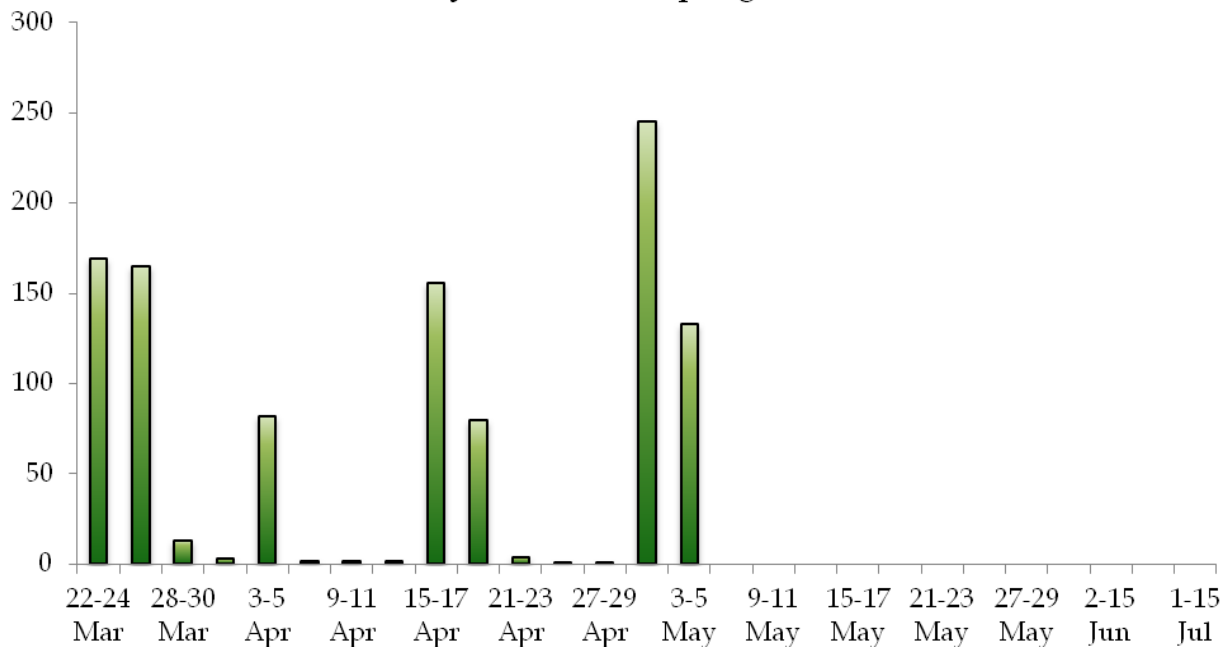
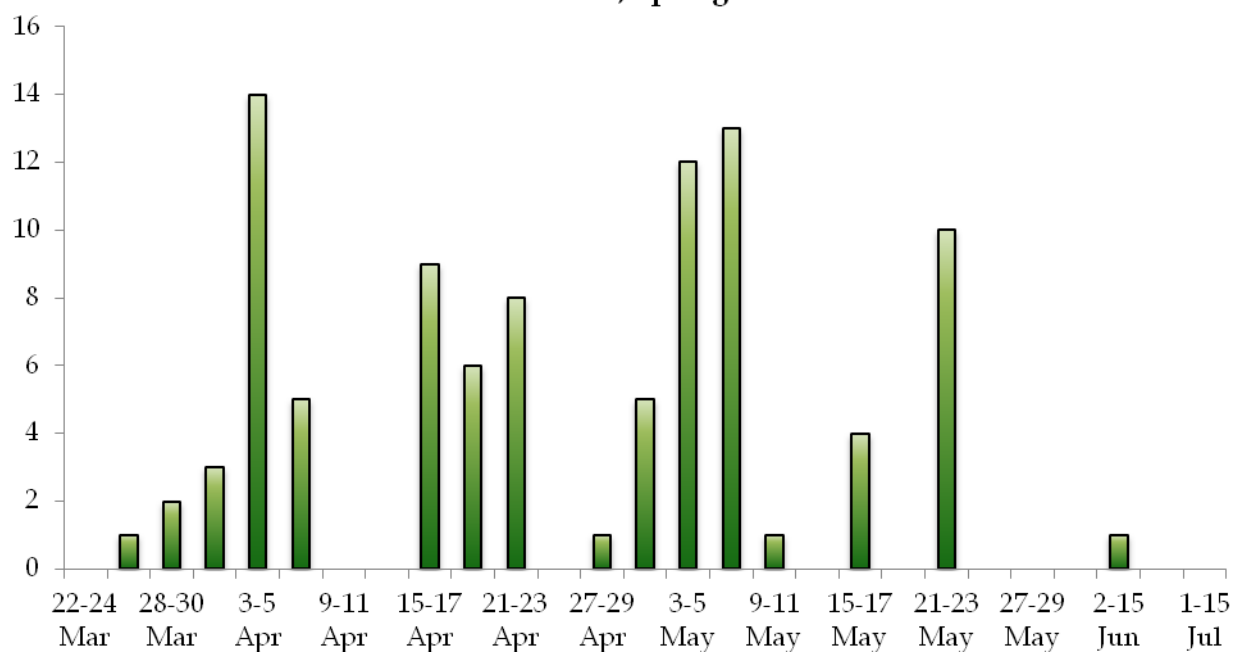


Figure 21. Counts of Pacific Golden Plover at Mai Po Inner Deep Bay Ramsar Site, spring 2012



**Figure 22. Counts of Lesser Sandplover at Mai Po Inner Deep Bay
Ramsar Site, spring 2012**



**Figure 23. Counts of Greater Sandplover at Mai Po Inner Deep Bay
Ramsar Site, spring 2012**

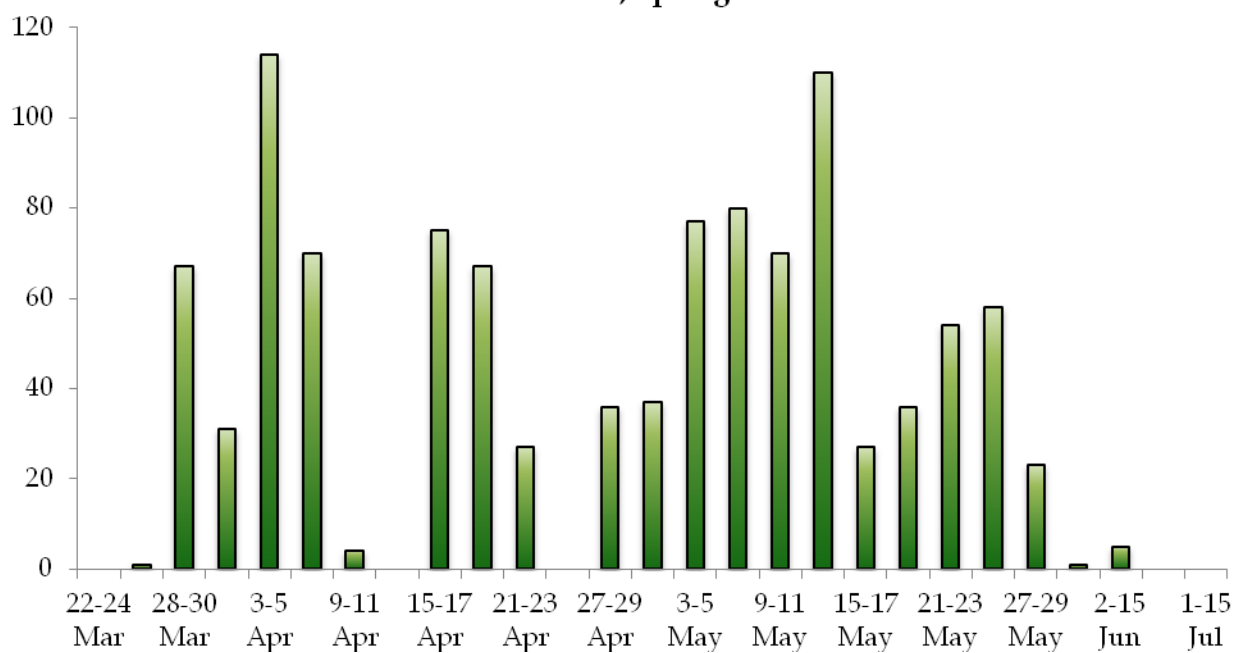


Figure 24. Counts of Black-tailed Godwit at Mai Po Inner Deep Bay Ramsar Site, spring 2012

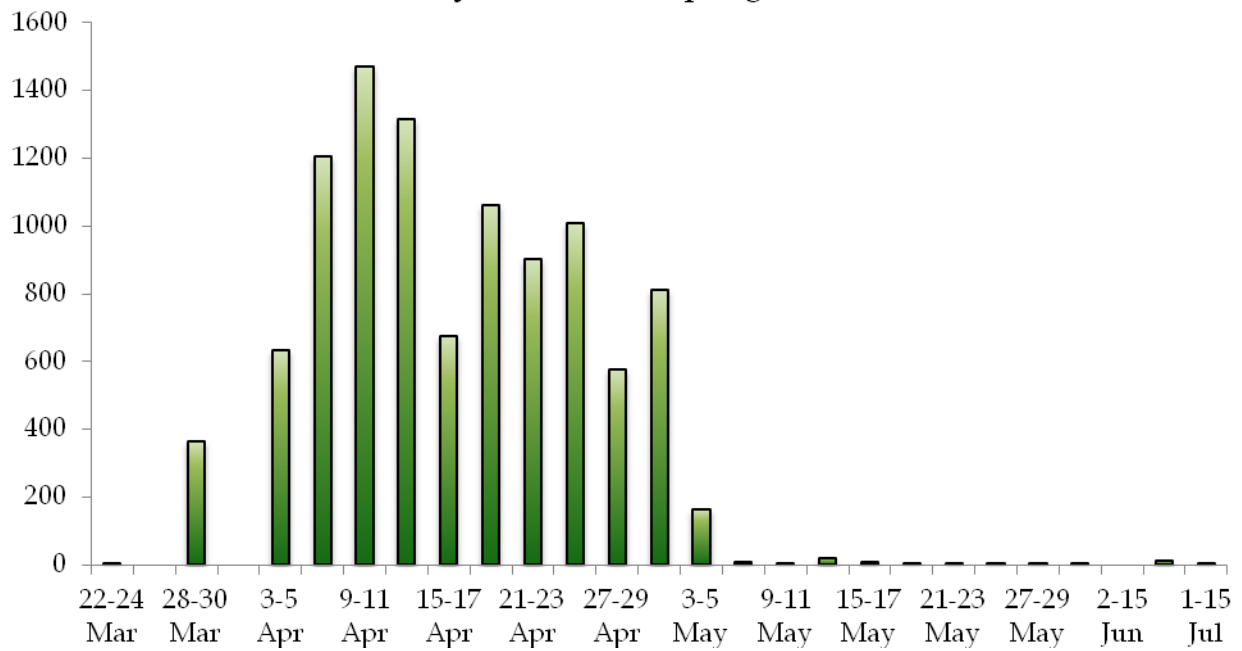
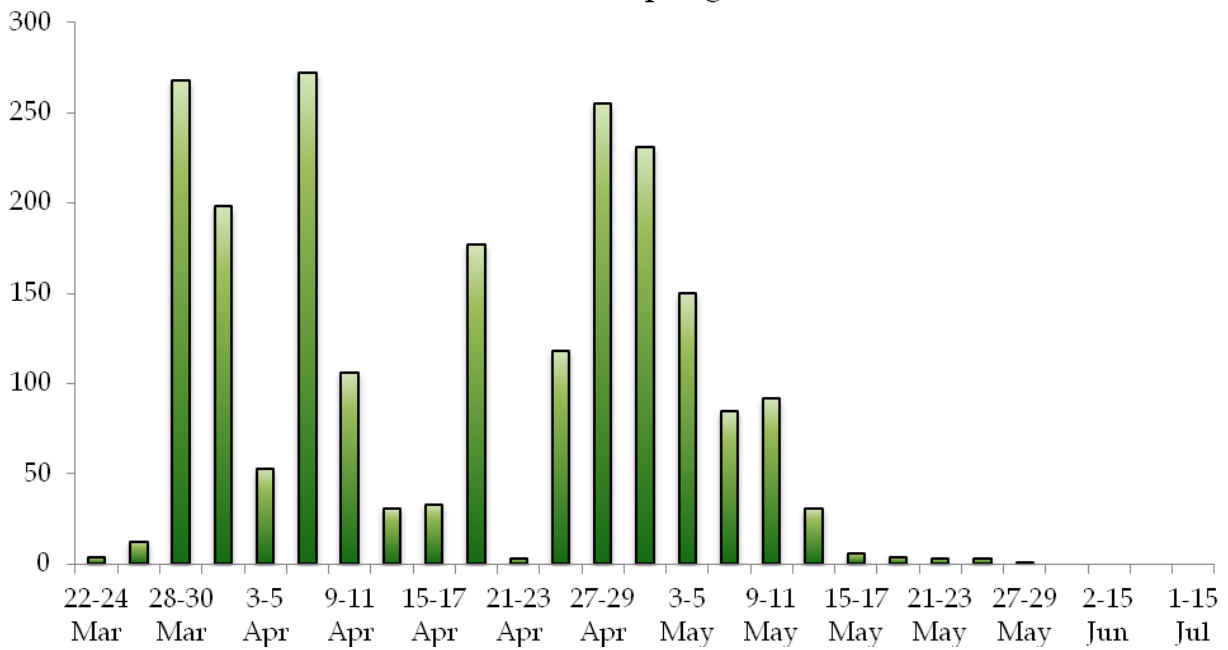


Figure 25. Counts of Spotted Redshank at Mai Po Inner Deep Bay Ramsar Site, spring 2012



Date Range	Number of Cases (approx.)
22-24 Mar	40
28-30 Mar	20
3-5 Apr	60
9-11 Apr	110
15-17 Apr	425
21-23 Apr	155
27-29 Apr	120
3-5 May	280
9-11 May	145
15-17 May	85
21-23 May	50
27-29 May	30
3-5 Jun	10
9-11 Jun	10
15-17 Jun	5
21-23 Jun	2
27-29 Jun	10
3-5 Jul	55

Week	Number of Cases
22-24 Mar	60
25-27 Mar	230
28-30 Mar	220
31-Mar-2 Apr	550
3-5 Apr	880
6-8 Apr	290
9-11 Apr	430
12-14 Apr	250
15-17 Apr	290
18-20 Apr	330
21-23 Apr	170
24-26 Apr	20
27-29 Apr	10
30-Apr-1 May	20
2-4 May	5
5-7 May	5
8-10 May	5
11-13 May	5
14-16 May	5
17-19 May	5
20-22 May	5
23-25 May	5
26-28 May	5
29-May-1 Jun	5
2-4 Jun	5
5-7 Jun	5
8-10 Jun	5
11-13 Jun	5
14-16 Jun	5
17-19 Jun	5
20-22 Jun	5
23-25 Jun	5
26-28 Jun	5
29-Jun-1 Jul	5

Figure 28. Counts of Common Greenshank at Mai Po Inner Deep Bay Ramsar Site, spring 2012

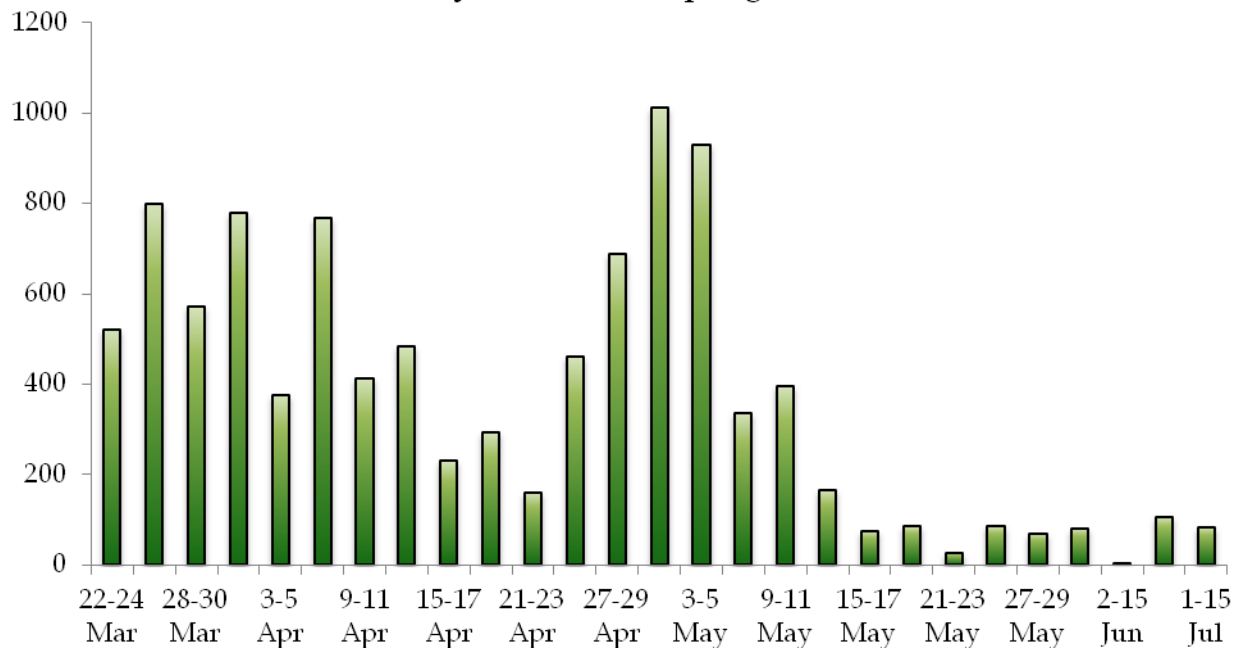
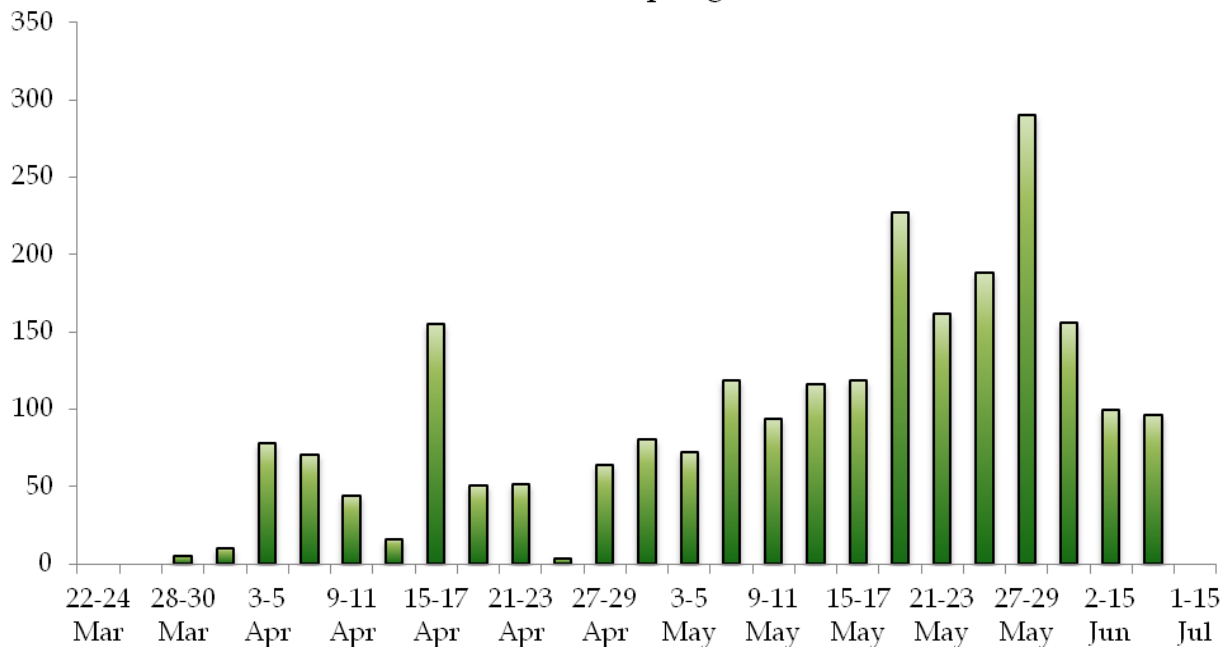
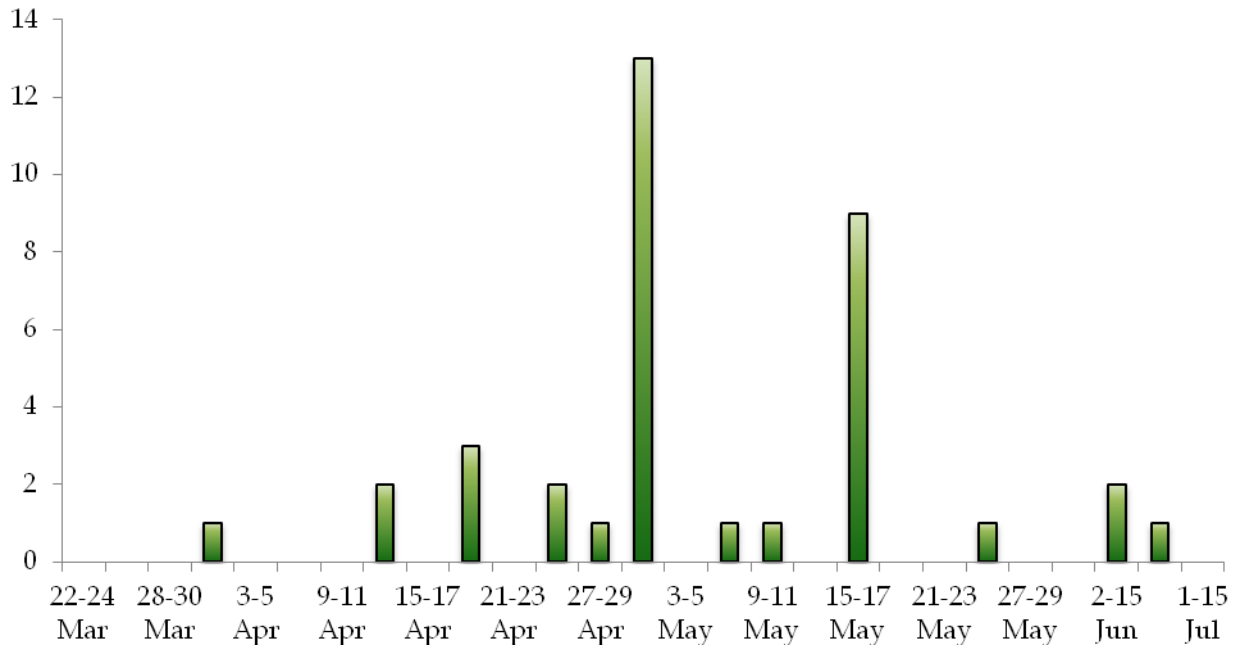


Figure 29. Counts of Terek Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2012



**Figure 30. Counts of Grey-tailed Tattler at Mai Po Inner Deep Bay
Ramsar Site, spring 2012**



**Figure 31. Counts of Ruddy Turnstone at Mai Po Inner Deep Bay
Ramsar Site, spring 2012**

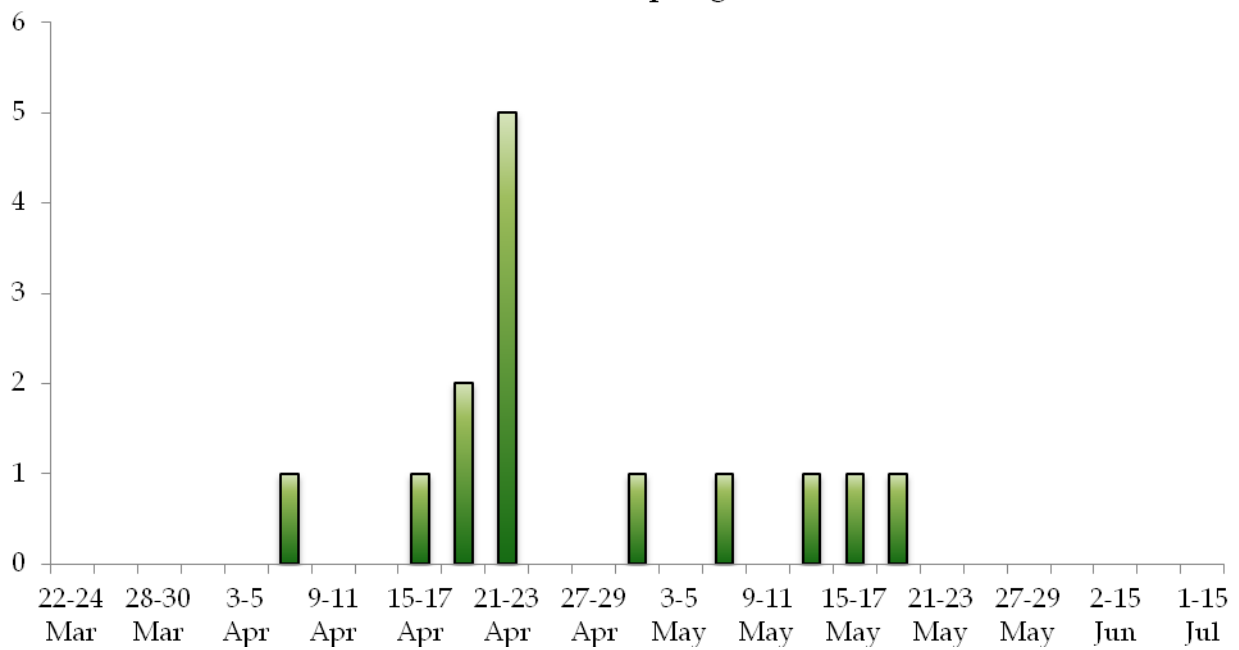


Figure 32. Counts of Asian Dowitcher at Mai Po Inner Deep Bay Ramsar Site, spring 2012

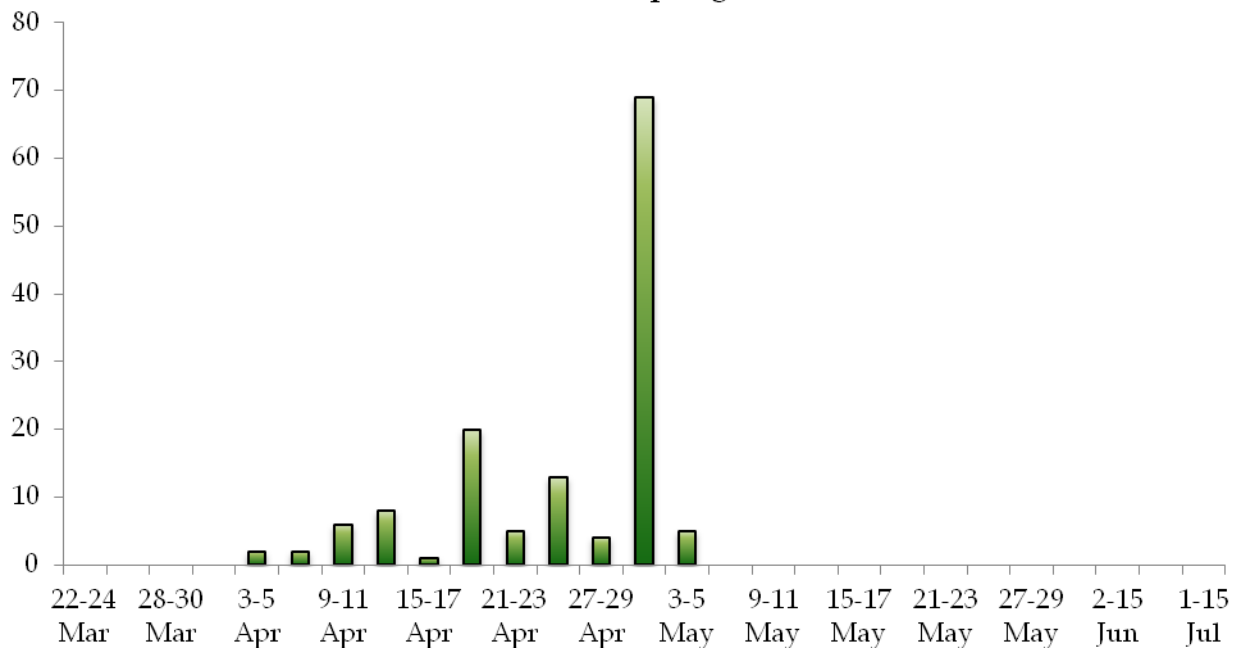


Figure 33. Counts of Red Knot at Mai Po Inner Deep Bay Ramsar Site, spring 2012

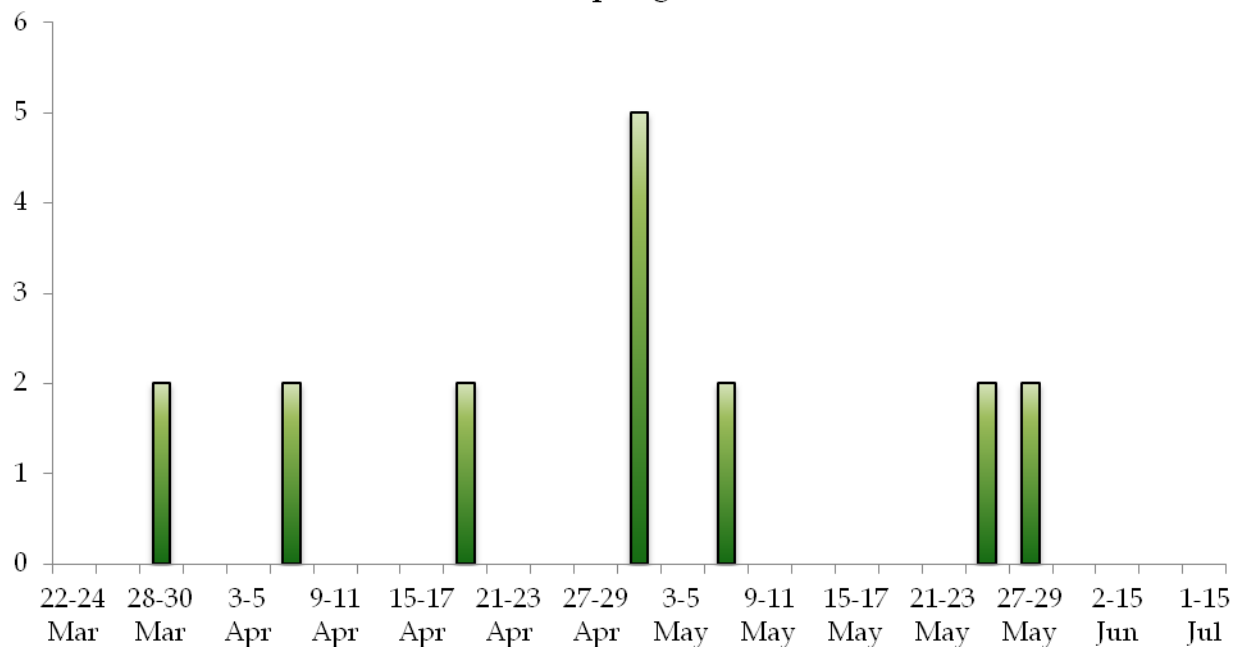


Figure 34. Counts of Great Knot at Mai Po Inner Deep Bay Ramsar Site, spring 2012

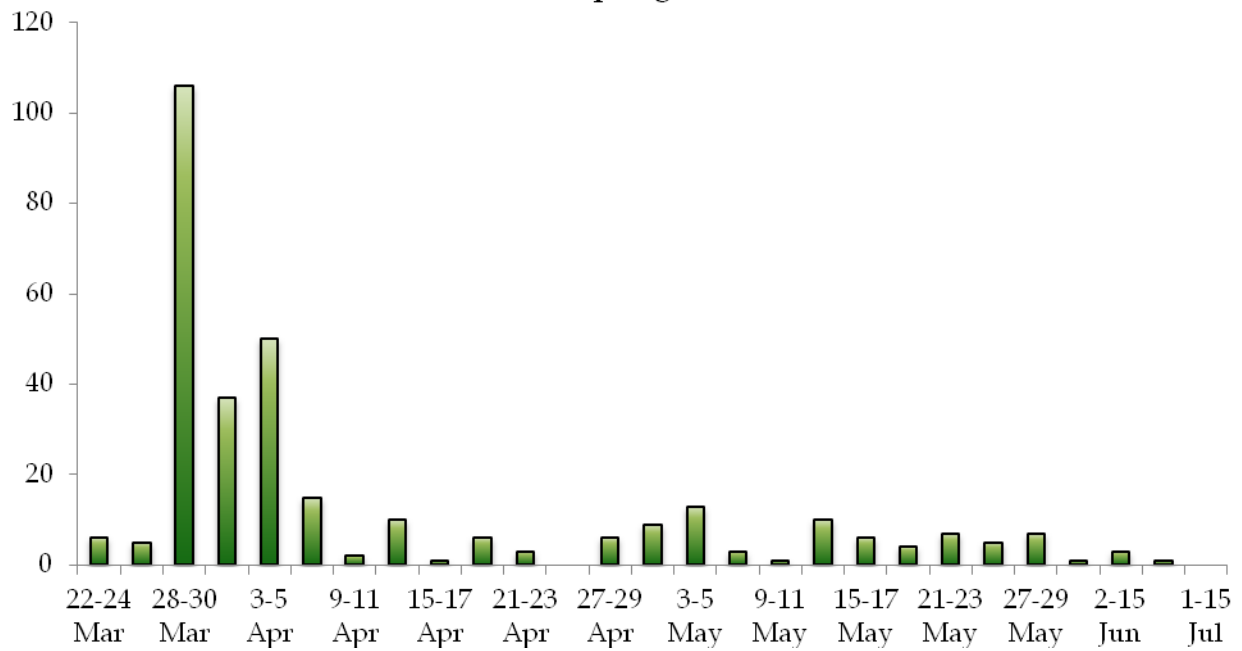


Figure 35. Counts of Red-necked Stint at Mai Po Inner Deep Bay Ramsar Site, spring 2012

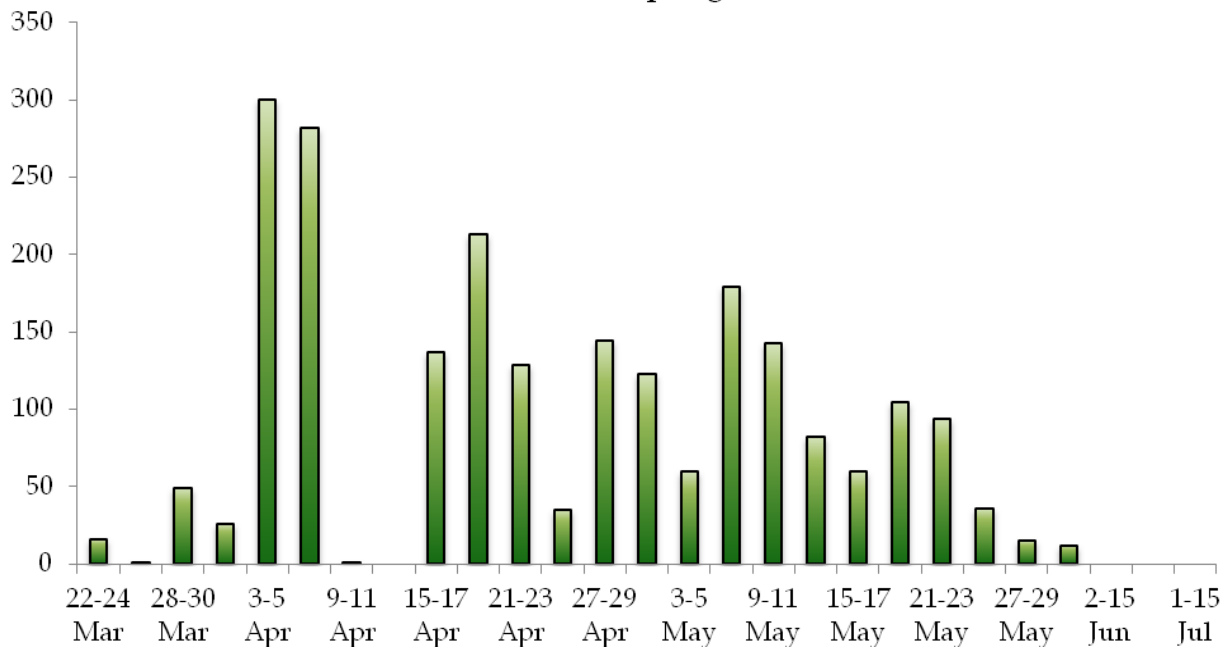


Figure 36. Counts of Sharp-tailed Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2012

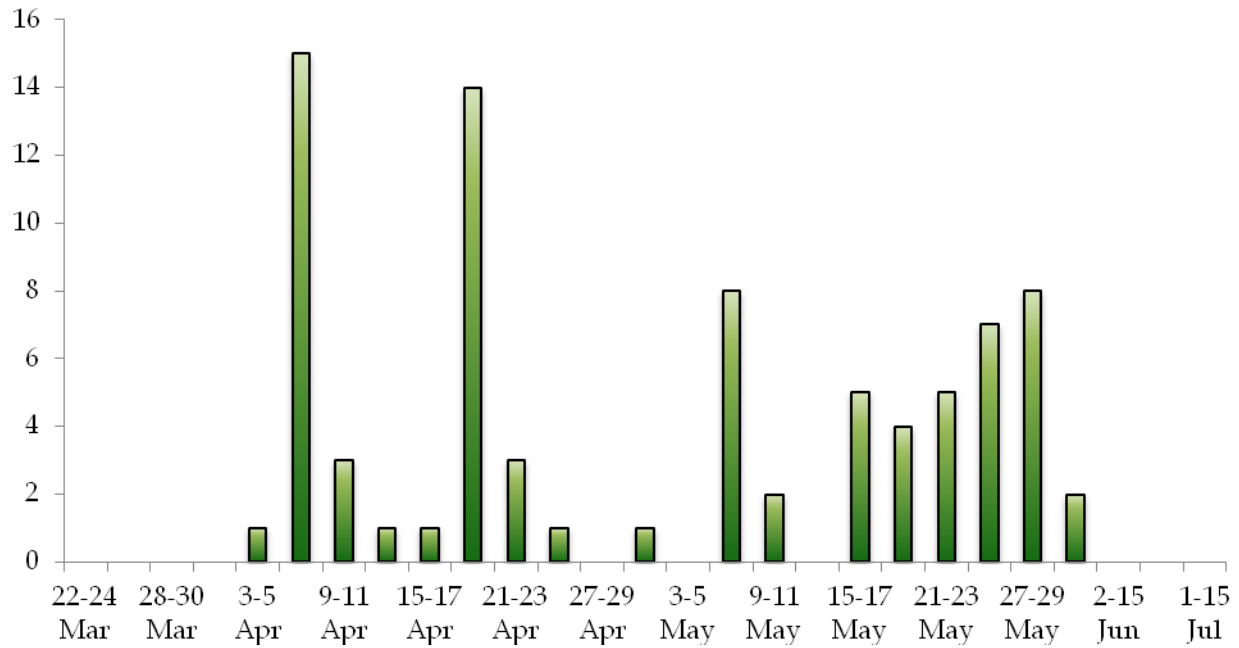


Figure 37. Counts of Curlew Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2012

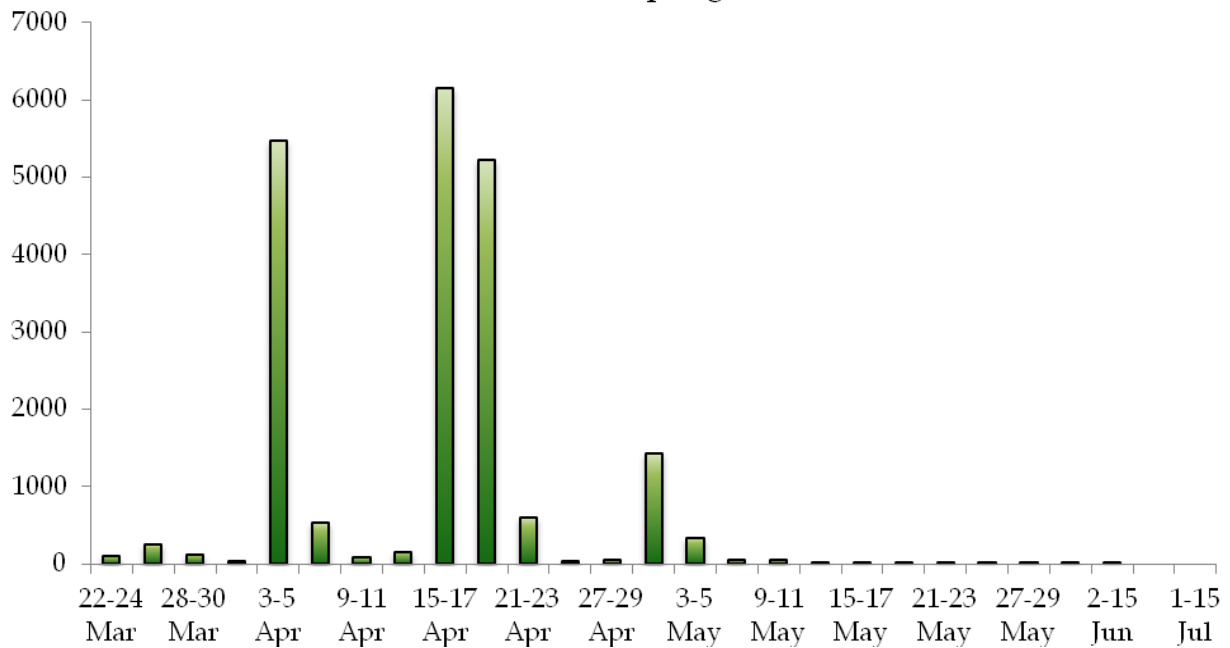
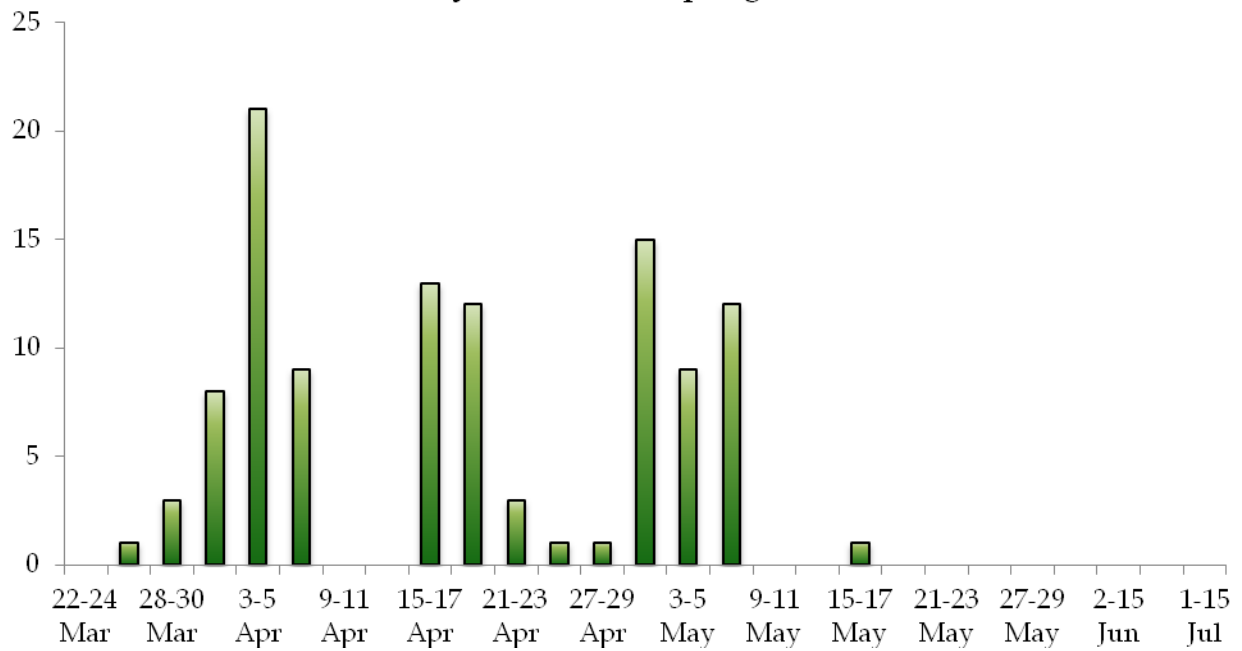


Figure 38. Counts of Broad-billed Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2012





Shorebird Monitoring at the Mai Po Marshes and Inner Deep Bay area

2011-12 Report

Appendix 5

Records of leg-flagged shorebirds in autumn 2011 and
spring 2012



The Hong Kong Bird Watching Society



Agriculture, Fisheries and Conservation Department

Records of leg-flagged shorebirds in autumn 2011 and spring 2012

Date	Observer	Species	Breeding plumage	Right Leg				Left Leg				Ringed Location
				Colour	Position	Colour	Position	Colour	Position	Colour	Position	
28-Jul-2011	Yu Yat Tung	Common Greenshank	25	White	Above	Yellow	Below					Hong Kong, China
31-Jul-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
31-Jul-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
31-Jul-2011	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
31-Jul-2011	Yu Yat Tung	Common Redshank	0	Yellow	Above							N Western Australia
31-Jul-2011	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
31-Jul-2011	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
31-Jul-2011	Yu Yat Tung	Curlew Sandpiper	75	White	Above	Yellow	Below					Hong Kong, China
31-Jul-2011	Yu Yat Tung	Curlew Sandpiper	75	Yellow	Above							N Western Australia
31-Jul-2011	Yu Yat Tung	Curlew Sandpiper	75	Orange	Above							Victoria, Australia
31-Jul-2011	Yu Yat Tung	Curlew Sandpiper	75	Yellow	Above							N Western Australia
31-Jul-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
31-Jul-2011	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
25-Aug-2011	Yu Yat Tung	Whimbrel	0	Yellow	Above							N Western Australia
25-Aug-2011	Yu Yat Tung	Black-tailed Godwit	Not noted	White	Above	Yellow	Below					Hong Kong, China
25-Aug-2011	Yu Yat Tung	Black-tailed Godwit	Not noted	White	Above	Yellow	Below					Hong Kong, China
28-Aug-2011	Yu Yat Tung	Common Redshank	Not noted	White	Above	Yellow	Below					Hong Kong, China
28-Aug-2011	Yu Yat Tung	Common Redshank	Not noted	White	Above	Yellow	Below					Hong Kong, China
28-Aug-2011	Yu Yat Tung	Common Greenshank	Not noted	White	Above	Yellow	Below					Hong Kong, China
28-Aug-2011	Yu Yat Tung	Black-tailed Godwit	Not noted	White	Above	Yellow	Below					Hong Kong, China
2-Sep-2011	Yu Yat Tung	Whimbrel	Not noted	White	Above	Yellow	Below					Hong Kong, China

Date	Observer	Species	Breeding plumage	Right Leg				Left Leg				Ringed Location
				Colour	Position	Colour	Position	Colour	Position	Colour	Position	
2-Sep-2011	Yu Yat Tung	Common Redshank	Not noted	White	Above	Yellow	Below					Hong Kong, China
2-Sep-2011	Yu Yat Tung	Grey-tailed Tattler	Not noted	White	Above	Yellow	Below					Hong Kong, China
11-Sep-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
13-Sep-2011	Samson So	Common Redshank	Not noted	White	Above	Yellow	Below					Hong Kong, China
13-Sep-2011	Samson So	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
16-Sep-2011	John and Jemi Holmes	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
16-Sep-2011	John and Jemi Holmes	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
16-Sep-2011	John and Jemi Holmes	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
16-Sep-2011	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
16-Sep-2011	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
26-Sep-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
30-Sep-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
30-Sep-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
30-Sep-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
9-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
9-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
9-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
9-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
14-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
14-Oct-2011	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
14-Oct-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
14-Oct-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
14-Oct-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China

Date	Observer	Species	Breeding plumage	Right Leg				Left Leg				Ringed Location
				Colour	Position	Colour	Position	Colour	Position	Colour	Position	
24-Oct-2011	Yu Yat Tung	Great Knot	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China

Date	Observer	Species	Breeding plumage	Right Leg				Left Leg				Ringed Location
				Colour	Position	Colour	Position	Colour	Position	Colour	Position	
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
24-Oct-2011	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
29-Oct-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
29-Oct-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
22-Nov-2011	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
22-Nov-2011	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
22-Nov-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
22-Nov-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
22-Nov-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
22-Nov-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
22-Nov-2011	Yu Yat Tung	Dunlin	0	Yellow	Above	White	Below					Sakhalin Island, Russia
16-Dec-2011	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
16-Dec-2011	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
16-Dec-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
16-Dec-2011	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
16-Dec-2011	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
16-Jan-2012	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
16-Jan-2012	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
16-Jan-2012	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
16-Jan-2012	Yu Yat Tung	Pied Avocet	0	White	Above	Yellow	Below					Hong Kong, China
16-Jan-2012	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China

Date	Observer	Species	Breeding plumage	Right Leg				Left Leg				Ringed Location
				Colour	Position	Colour	Position	Colour	Position	Colour	Position	
16-Jan-2012	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
16-Jan-2012	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
16-Jan-2012	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
16-Jan-2012	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
16-Jan-2012	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
16-Jan-2012	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below					Hong Kong, China
11-Feb-2012	Yu Yat Tung	Terek Sandpiper	0	White	Above	Yellow	Below					Hong Kong, China
12-Feb-2012	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
12-Feb-2012	Yu Yat Tung	Eurasian Curlew	0	White	Above	Yellow	Below					Hong Kong, China
13-Feb-2012	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
13-Feb-2012	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
13-Feb-2012	Yu Yat Tung	Great Knot	0	White	Above	Yellow	Below					Hong Kong, China
25-Mar-2012	Kinni Ho	Curlew Sandpiper	50	Orange	Above							Victoria, Australia
31-Mar-2012	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
31-Mar-2012	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
31-Mar-2012	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below					Hong Kong, China
31-Mar-2012	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
31-Mar-2012	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
31-Mar-2012	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
31-Mar-2012	Yu Yat Tung	Eurasian Curlew	0	White	Above	Yellow	Below					Hong Kong, China
31-Mar-2012	Yu Yat Tung	Pied Avocet	0	White	Above	Yellow	Below					Hong Kong, China
5-Apr-2012	Yu Yat Tung	Curlew Sandpiper	75	White	Above	Yellow	Below					Hong Kong, China
5-Apr-2012	Yu Yat Tung	Red-necked Stint	25	Yellow	Above							N Western Australia

Date	Observer	Species	Breeding plumage	Right Leg				Left Leg				Ringed Location
				Colour	Position	Colour	Position	Colour	Position	Colour	Position	
5-Apr-2012	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below					Hong Kong, China
5-Apr-2012	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
5-Apr-2012	Yu Yat Tung	Common Greenshank	Not noted	White	Above	Yellow	Below					Hong Kong, China
5-Apr-2012	Yu Yat Tung	Pied Avocet	Not noted	White	Above	Yellow	Below					Hong Kong, China
7-Apr-2012	Yu Yat Tung	Eurasian Curlew	Not noted	White	Above	Yellow	Below					Hong Kong, China
7-Apr-2012	Yu Yat Tung	Great Knot	25	Yellow	Above							N Western Australia
7-Apr-2012	Kinni Ho	Great Knot	0	Yellow	Above							N Western Australia
10-Apr-2012	Yu Yat Tung	Common Greenshank	25	White	Above	Yellow	Below					Hong Kong, China
12-Apr-2012	Yu Yat Tung	Pied Avocet	Not noted	White	Above	Yellow	Below					Hong Kong, China
12-Apr-2012	Yu Yat Tung	Common Greenshank	Not noted	White	Above	Yellow	Below					Hong Kong, China
14-Apr-2012	Yu Yat Tung	Great Sand Plover	50	White	Above	Yellow	Below					Hong Kong, China
14-Apr-2012	Yu Yat Tung	Common Greenshank	50	White	Above	Yellow	Below					Hong Kong, China
14-Apr-2012	Yu Yat Tung	Greater Sand Plover	25	White	Above	Yellow	Below					Hong Kong, China
14-Apr-2012	Yu Yat Tung	Curlew Sandpiper	25	White	Above	Yellow	Below					Hong Kong, China
14-Apr-2012	Yu Yat Tung	Red-necked Stint	50	Orange	Above							Victoria, Australia
14-Apr-2012	Yu Yat Tung	Marsh Sandpiper	50	White	Above	Yellow	Below					Hong Kong, China
14-Apr-2012	Yu Yat Tung	Marsh Sandpiper	50	White	Above	Yellow	Below					Hong Kong, China
14-Apr-2012	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
14-Apr-2012	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
14-Apr-2012	Yu Yat Tung	Marsh Sandpiper	50	White	Above	Yellow	Below					Hong Kong, China
14-Apr-2012	Yu Yat Tung	Common Greenshank	50	White	Above	Yellow	Below					Hong Kong, China
17-Apr-2012	Yu Yat Tung	Common Greenshank	50	White	Above	Yellow	Below					Hong Kong, China
17-Apr-2012	John and Jemi Holmes	Curlew Sandpiper	100	Yellow	Above							N Western Australia

Date	Observer	Species	Breeding plumage	Right Leg				Left Leg				Ringed Location
				Colour	Position	Colour	Position	Colour	Position	Colour	Position	
17-Apr-2012	John and Jemi Holmes	Curlew Sandpiper	75	Purple clip/ring	Above			Blue clip/ring	Above			
17-Apr-2012	John and Jemi Holmes	Sanderling	0	Orange	Above	Yellow	Below					South Australia
17-Apr-2012	David Diskin	Curlew Sandpiper	25	Yellow	Above							N Western Australia
18-Apr-2012	John and Jemi Holmes	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia
18-Apr-2012	John and Jemi Holmes	Curlew Sandpiper	75	Black	Above	Green	Below					Gulf of Thailand
18-Apr-2012	John and Jemi Holmes	Curlew Sandpiper	50	Yellow	Above							N Western Australia
18-Apr-2012	John and Jemi Holmes	Curlew Sandpiper	50	Yellow	Above							N Western Australia
18-Apr-2012	John and Jemi Holmes	Red-necked Stint	75	Yellow	Above							N Western Australia
18-Apr-2012	John and Jemi Holmes	Curlew Sandpiper	75	Yellow	Above							N Western Australia
19-Apr-2012	Yu Yat Tung	Black-tailed Godwit	25	White	Above	Yellow	Below					Hong Kong, China
19-Apr-2012	Yu Yat Tung	Curlew Sandpiper	75	White	Above	Yellow	Below					Hong Kong, China
19-Apr-2012	Yu Yat Tung	Pied Avocet	Not noted	White	Above	Yellow	Below					Hong Kong, China
19-Apr-2012	Yu Yat Tung	Marsh Sandpiper	50	White	Above	Yellow	Below					Hong Kong, China
19-Apr-2012	Yu Yat Tung	Marsh Sandpiper	50	White	Above	Yellow	Below					Hong Kong, China
19-Apr-2012	Yu Yat Tung	Marsh Sandpiper	72	White	Above	Yellow	Below					Hong Kong, China
19-Apr-2012	Yu Yat Tung	Curlew Sandpiper	75	Yellow	Above							N Western Australia
19-Apr-2012	Yu Yat Tung	Curlew Sandpiper	50	Yellow	Above							N Western Australia
19-Apr-2012	Yu Yat Tung	Curlew Sandpiper	75	Yellow	Above							N Western Australia
19-Apr-2012	John Allcock	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia
19-Apr-2012	John Allcock	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia
19-Apr-2012	John Allcock	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia
19-Apr-2012	John Allcock	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia
19-Apr-2012	John Allcock	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia

Date	Observer	Species	Breeding plumage	Right Leg				Left Leg				Ringed Location
				Colour	Position	Colour	Position	Colour	Position	Colour	Position	
19-Apr-2012	John Allcock	Greater Sand Plover	Not noted	Yellow	Above							N Western Australia
19-Apr-2012	John Allcock	Greater Sand Plover	Not noted	Yellow	Above							N Western Australia
19-Apr-2012	John Allcock	Red-necked Stint	Not noted	Yellow	Above							N Western Australia
19-Apr-2012	John Allcock	Red-necked Stint	Not noted	Orange	Above							Victoria, Australia
19-Apr-2012	John Allcock	Broad-billed Sandpiper	Not noted	Yellow	Above							N Western Australia
20-Apr-2012	Richard Lewthwaite	Curlew Sandpiper	Not noted	White	Above	Yellow	Below					Hong Kong, China
20-Apr-2012	Richard Lewthwaite	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia
26-Apr-2012	Yu Yat Tung	Red-necked Stint	50	Yellow	Above							N Western Australia
26-Apr-2012	Yu Yat Tung	Common Greenshank	75	White	Above	Yellow	Below					Hong Kong, China
26-Apr-2012	Yu Yat Tung	Pied Avocet	Not noted	White	Above	Yellow	Below					Hong Kong, China
26-Apr-2012	Thomas Chan	Red-necked Stint	75	Orange	Above							Victoria, Australia
26-Apr-2012	Thomas Chan	Red-necked Stint	50	Orange	Above	Yellow	Below					South Australia
27-Apr-2012	Yu Yat Tung	Common Greenshank	75	White	Above	Yellow	Below					Hong Kong, China
27-Apr-2012	Yu Yat Tung	Common Greenshank	75	White	Above	Yellow	Below					Hong Kong, China
30-Apr-2012	Yu Yat Tung	Common Redshank	100	White	Above	Yellow	Below					Hong Kong, China
30-Apr-2012	Yu Yat Tung	Pied Avocet	Not noted	White	Above	Yellow	Below					Hong Kong, China
1-May-2012	Thomas Chan	Red-necked Stint	50	Orange	Above							Victoria, Australia
1-May-2012	John Allcock	Grey-tailed Tattler	Not noted	Black	Above	White	Below					Chongming Island, China
1-May-2012	John Allcock	Red-necked Stint	Not noted	Yellow	Above							N Western Australia
1-May-2012	John Allcock	Red-necked Stint	Not noted	Orange	Above							Victoria, Australia
1-May-2012	John Allcock	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia
1-May-2012	John Allcock	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia
1-May-2012	John Allcock	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia

Date	Observer	Species	Breeding plumage	Right Leg				Left Leg				Ringed Location
				Colour	Position	Colour	Position	Colour	Position	Colour	Position	
1-May-2012	John Allcock	Curlew Sandpiper	Not noted	Yellow	Above							N Western Australia
4-May-2012	John Allcock	Greater Sand Plover	Not noted	Yellow	Above							N Western Australia
5-May-2012	Yu Yat Tung	Black-tailed Godwit	Not noted	White	Above	Yellow	Below					Hong Kong, China
5-May-2012	Yu Yat Tung	Common Greenshank	Not noted	White	Above	Yellow	Below					Hong Kong, China
6-May-2012	Yu Yat Tung	Curlew Sandpiper	50	White	Above	Yellow	Below					Hong Kong, China
6-May-2012	Yu Yat Tung	Black-tailed Godwit	75	White	Above	Yellow	Below					Hong Kong, China
6-May-2012	Yu Yat Tung	Common Greenshank	75	White	Above	Yellow	Below					Hong Kong, China
6-May-2012	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below					Hong Kong, China
6-May-2012	Yu Yat Tung	Black-tailed Godwit	100	White	Above	Yellow	Below					Hong Kong, China
6-May-2012	Yu Yat Tung	Grey-tailed Tattler	75	White	Above	Yellow	Below					Hong Kong, China
6-May-2012	Yu Yat Tung	Red-necked Stint	100	Orange	Above							Victoria, Australia
6-May-2012	Yu Yat Tung	Grey-tailed Tattler	100	Yellow	Above							N Western Australia
6-May-2012	Yu Yat Tung	Red-necked Stint	75	Yellow	Above							N Western Australia
6-May-2012	Yu Yat Tung	Red-necked Stint	100	Yellow	Above							N Western Australia
6-May-2012	Yu Yat Tung	Red-necked Stint	50	Orange	Above							Victoria, Australia
6-May-2012	John Allcock	Grey-tailed Tattler	Not noted	Yellow	Above							N Western Australia
10-May-2012	Yu Yat Tung	Terek Sandpiper	100	Yellow	Above							N Western Australia
11-May-2012	John Allcock	Terek Sandpiper	Not noted	Yellow	Above							N Western Australia
11-May-2012	John Allcock	Curlew Sandpiper	Not noted	Orange	Above							Victoria, Australia
24-May-2012	Ying Hak King	Red-necked Stint	Not noted	White	Above	Yellow	Below					Hong Kong, China
24-May-2012	Ying Hak King	Red-necked Stint	Not noted	White	Above	Yellow	Below					Hong Kong, China
24-May-2012	Ying Hak King	Curlew Sandpiper	Not noted	White	Above	Yellow	Below					Hong Kong, China