

Tender Reference No. AFCD/SQ/19/07

**Mai Po Inner Deep Bay Ramsar Site  
Waterbird Monitoring Programme  
2007 – 2008**

**Shorebird Monitoring Report**



Submitted by  
The Hong Kong Bird Watching Society Ltd.  
Approved Charitable Institution of a Public Character  
to Agriculture, Fisheries and Conservation Department,  
Hong Kong SAR Government

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**Tender Reference No. AFCD/SQ/19/07**

**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

## 2007-08 Report

### *Report*



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

# MAI PO INNER DEEP BAY RAMSAR SITE WATERBIRD MONITORING PROGRAMME

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Programme 2007/08

Shorebird Monitoring

July 2007 - June 2008

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## Shorebird Monitoring: 2007-08 Report

### Introduction

Systematic, long-term monitoring of waterbirds in the Mai Po Inner Deep Bay Ramsar Site commenced in March 1998. Counts of shorebirds (also called waders) form one part of this programme, the other components being monthly counts of waterbirds and surveys of ardeid nesting colonies. This report concerns the shorebird monitoring component from July 2007 to June 2008. This project is a part of the tender project (contract tender reference no. AFCD/SQ/19/07), and is administered, coordinated and executed by the Hong Kong Bird Watching Society (HKBWS), and funded by the Agriculture, Fisheries and Conservation Department (AFCD).

### Methodology

Shorebirds mainly occur in Hong Kong during three periods: autumn and spring for migration, and the winter. This study aims to monitor shorebirds numbers in the Mai Po Inner Deep Bay Ramsar Site through the year. Frequency of survey is higher during the main passage period (late March to late May and July to late October) but less frequent during summer. Surveys in winter time (i.e. November to mid-March) are covered by the monthly waterbird count. The schedule of this shorebird monitoring programme is as follows:

- Spring: 22 March to 1 June: one count every block of three days
- Summer: 2 to 30 June: two counts per month
- Autumn: 1 July to 4 November: one count per week
- Winter: mid November to mid March: once count per month

The main survey site is the Mai Po Nature Reserve (Map 1) where counts are made either in the *gei wai* or from the three boardwalk birdwatching hides, depending on the height of the tide. In general, counting during the high tide period is conducted in the *gei wai* where suitable roosting areas on the reserve are provided as a result of

the management activities of WWF HK; these regular and generally rather stable roosting sites allow counts to be made with a relatively high degree of accuracy for many species. In contrast, counts are made from the boardwalk hides during mid tide periods where the shorebirds feed in the intertidal area. The counts are usually made using the following procedures:

- Count birds from the boardwalk hide during the rising tide, beginning at a tidal height of around 1.9m.
- Count birds roosting in MPNR using a bicycle (essential to complete the count during the time available).
- Count birds from the boardwalk hide during the falling tide until such a time as counting is no longer possible due to distance from the observer.

The equipment used consisted of 8x or 10x binoculars and a telescope with wide angle or 20-60x zoom eyepieces. Counting was carried out by HKBWS accredited surveyors experienced in bird counting and identification, in order to achieve a high degree of accuracy. All shorebirds present in the counting areas are counted for each species. If birds carrying leg flags for migration route studies are present, the details are also recorded, including the colour and position of the flags, the species, age and/or the extent of breeding plumage acquired.

## **Results**

Results of all shorebird counts are presented in full in Appendices 1 and 2. The numbers of selected species are illustrated graphically in Appendix 3.

### Autumn 2007

Numbers of shorebirds recorded in first three weeks of July were below 1,000 individuals and then increased significantly to over 1,500 individuals in the last week of July and in the course of August. This increase was caused by the arrival of Common Redshanks *Tringa totanus*. Numbers continued to rise to near 3,000 individuals in September and reached to over 3,500 in the October. The peak count in autumn 2007 was 3,791 on 25 September and this high number was caused by an influx of Marsh Sandpipers *Tringa stagnatilis*. Shorebird numbers showed some fluctuation in the late autumn related to the tide. The low counts coincided with lower tides.

The two most numerous species during the 2007 autumn migration were the Marsh Sandpiper, with a peak count of 2,049 birds on late October (that could have

involved arrival of wintering individuals) and the Common Greenshank, with a peak count of 1,066 in late September. Numbers of some other shorebirds considered to be passage migrants in the autumn 2007, comprised Pacific Golden Plover *Pluvialis fulva* (Figure 3), Lesser Sand Plover *C. mongolus* (Figure 6), Greater Sand Plover *C. leschenaultii* (Figure 7), Bar-tailed Godwit *Limosa lapponica* (Figure 9), Whimbrel *Numenius phaeopus* (Figure 10), Common Redshank (Figure 13), Wood Sandpiper (Figure 16), Red Knot *Calidris canutus* (Figure 18) and Broad-billed Sandpiper *Limicola falcinellus* (Figure 19).

In addition, some details of arrival of these wintering species are shown in the following figures:

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

#### *Winter 2007-2008*

The sum of the peak counts of each shorebird species during the mid-winter period, i.e. December, January and February, constitutes the winter aggregate of shorebird species. This winter aggregate was 27,228 birds in the whole Deep Bay area (table 2). This figure has an increase of 22% from the previous winter aggregate of 22,259 birds in winter 2006-07. The five most numerous species were Pied Avocet *Recurvirostra avosetta* (16,123), Kentish Plover (1,857), Marsh Sandpiper (1,839, this is not shown in table 2 because many were involved in the peak count of 2,049 individuals in the autumn), Dunlin (1,800) and Common Greenshank (1,509). This high winter aggregate was a result of the new high count of the Pied Avocets for the Deep Bay area and presences of some Kentish Plovers and Dunlins.

#### *Spring 2008*

Shorebird numbers in the spring 2008 started with a low count of only 802 birds in late March, but increased to over 2,000 in the beginning of April, and then doubled to 4,000 individuals a week later, exceeding 9,000 in mid April. Subsequently, numbers reached a peak of 15,113 on 19 April. This is the second highest single count for the

spring shorebird migration, only 36 birds fewer than the highest count of 15,149 recorded in the previous spring. An influx of a total of 9,012 Curlew Sandpipers boosted the count on that day and this is also the second largest single count of this species in Hong Kong. Since then, numbers fell to a level of 11-12,000 birds in late April and then down to about 5,500 birds in the first half of May. Numbers reduced further to about 2,700 in the second half of May and finally below 1,000 in last week of May. Trends of the numbers are shown in figure 20. The 2008 spring aggregate of shorebird species is 18,468, which is a 13% decrease from the same aggregate of the previous spring, but this was still an increase of 24% from the 2005 and 2006 spring aggregates (table 1).

Several shorebird species that underwent decreasing trends in their numbers in some recent springs were discussed in previous reports (Table 1, Anon. 2005, 2006 and 2007). Table 1 shows their figures for this spring and previous springs. Most of the species showed a decrease from their numbers from 2007 but many figures in the 2007 spring occurred in exceptionally high numbers. Actually, the 2008 spring aggregate and the numbers of some species such as Lesser Sand Plover and Red Knot showed some increases compared with the figures for 2005 and 2006 springs. Pacific Golden Plover is still decreasing from 2006, while the peak number of Red-necked Stint had very significant decreases of 50% and 67% to the figures of 2006 and 2007 springs. The 2008 peak number of Red-necked Stint is the new low figure since 2003 (table 1).

Table 1. Peak counts of some shorebirds with a declining trend in recent springs.

Species	2008	2007	2006	2005	2004	2003
Pacific Golden Plover <i>Pluvialis fulva</i>	67	160	219	54	221	358
Lesser Sand Plover <i>Charadrius mongolus</i>	78	179	35	30	59	115
Ruddy Turnstone <i>Arenaria interpres</i>	46	100	34	39	80	86
Red Knot <i>Calidris canutus</i>	52	144	16	5	120	62
Red-necked Stint <i>C. ruficollis</i>	733	2,239	1,478	1,909	2,239	2,302
Long-toed Stint <i>C. subminuta</i>	20	4	11	7	36	11
Sharp-tailed Sandpiper <i>C. acuminata</i>	86	175	68	41	300	231
Curlew Sandpiper <i>C. ferruginea</i>	9012	10,982	4,151	3,947	6,000	4,535
Total spring aggregate number	18,468	21,223	14,942	14,312	16,431	16,836

### Summer 2008

Only 354 and 175 shorebirds were counted in summer 2008 (i.e. in June 2008). These counts were similar to those in the previous year but relatively lower than the figures from 2002 to 2005. Terek Sandpiper *Xenus cinereus* comprised the largest single-species flock of 165 individuals on 5 June, while other species were present in smaller numbers.

### Aggregate numbers recorded

The aggregate total number of shorebirds recorded in spring and autumn is derived by using the peak count for each species in each season. In an attempt to estimate a total number of shorebirds that utilized the Mai Po Inner Deep Bay Ramsar Site during the 12-month period from July 2007 to June 2008, the peak winter count (i.e. December to February) obtained during winter waterbird counts can also be added. However, it is not possible to rule out some overlap in individuals occurring in different seasons; consequently, such records (marked by a dash in Table 2) are excluded from the calculation.

Table 2. Estimated minimum number of shorebirds utilizing the Mai Po Inner Deep Bay Ramsar Site during the 12-month period July 2007 to June 2008.

Year	2007	2007-08	2008	2007-08	2006-07	2005-06	2004-05
Species	autumn	winter	spring	Minimum	Minimum	Minimum	Minimum
Pheasant-tailed Jacana <i>Hydrophasianus chirurgus</i>	0	2	3	5	2	0	1
Greater Painted-snipe <i>Rostratula bengalensis</i>	0	2	0	2	4	6	3
Black-winged Stilt <i>Himantopus himantopus</i>	-	670	-	670	468	495	439
Pied Avocet <i>Recurvirostra avosetta</i>	-	16123	-	16123	11957	5813	4490
Oriental Pratincole <i>Glareola maldivarum</i>	0	0	9	9	8	26	13
Northern Lapwing <i>Vanellus vanellus</i>	0	0	0	0	0	2	4
Grey-headed Lapwing <i>V. cinereus</i>	1	2	1	4	6	11	1
Pacific Golden Plover <i>Pluvialis fulva</i>	42	533	67	642	270	236	180
Grey Plover <i>P. squatarola</i>	55	623	102	780	390	560	582
Little Ringed Plover <i>Charadrius dubius</i>	4	218	6	228	237	271	174
Kentish Plover <i>C. alexandrinus</i>	-	1857	10	1867	263	72	29
Lesser Sand Plover <i>C. mongolus</i>	5	2	78	85	193	41	43
Greater Sand Plover <i>C. leschenaultii</i>	80	1	302	383	369	349	543

Oriental Plover <i>C. xxx</i>	0	0	1	1	0	0	0
Black-tailed Godwit <i>Limosa limosa</i>	-	571	1085	1656	2352	1401	1608
Bar-tailed Godwit <i>Limosa lapponica</i>	60	2	18	80	123	69	17
Little Curlew <i>Numenius minutus</i>	0	0	0	0	0	0	1
Whimbrel <i>Numenius phaeopus</i>	154	1	48	203	209	220	138
Eurasian Curlew <i>N. arquata</i>	-	1116	-	1116	1049	1087	1292
Far Eastern Curlew <i>N. madagascariensis</i>	2	6	15	23	8	5	6
Spotted Redshank <i>Tringa erythropus</i>	-	603	1038	1641	2390	1687	1443
Common Redshank <i>T. totanus</i>	1017	202	1038	2257	3160	2476	2306
Marsh Sandpiper <i>T. stagnatilis</i>	2049	-	1041	3090	1662	2411	2378
Common Greenshank <i>T. nebularia</i>	1066	1509	1918	4493	4724	1997	1972
Nordmann's Greenshank <i>T. guttifer</i>	0	0	26	26	51	24	22
Green Sandpiper <i>T. ochropus</i>	0	34	0	34	42	35	52
Wood Sandpiper <i>T. glareola</i>	194	230	77	501	1008	706	519
Terek Sandpiper <i>Xenus cinereus</i>	39	1	531	571	619	617	476
Common Sandpiper <i>Actitis hypoleucos</i>	3	78	5	86	83	82	81
Grey-tailed Tattler <i>Heteroscelus brevipes</i>	6	0	20	26	32	19	85
Ruddy Turnstone <i>Arenaria interpres</i>	0	0	46	46	100	36	40
Red-necked Phalarope <i>Phalaropus lobatus</i>	1	0	33	34	2	5	11
Pintail/Swinhoe's Snipe <i>Gallinago stenura/megala</i>	11	0	1	12	15	3	11
Common Snipe <i>Gallinago gallinago</i>	0	28	0	28	38	40	45
Long-billed Dowitcher <i>Limnodromus scolopaceus</i>	0	0	3	3	3	4	2
Asian Dowitcher <i>Limnodromus semipalmatus</i>	13	0	428	441	138	50	44
Red Knot <i>Calidris canutus</i>	10	4	52	66	152	43	15
Great Knot <i>C. tenuirostris</i>	68	12	127	207	368	67	243
Sanderling <i>C. alba</i>	0	0	5	5	10	23	11
Red-necked Stint <i>C. ruficollis</i>	140	40	733	913	2422	2363	1927

Little Stint <i>C. minuta</i>	0	0	2	2	3	4	5
Temminck's Stint <i>C. temminckii</i>	5	12	4	21	27	10	16
Long-toed Stint <i>C. subminuta</i>	5	3	20	28	9	15	8
Pectoral Sandpiper <i>C. melanotos</i>	0	0	1	1	0	0	2
Sharp-tailed Sandpiper <i>C. acuminata</i>	4	0	86	90	177	116	46
Dunlin <i>C. alpine</i>	-	1800	-	1800	93	2	5
Curlew Sandpiper <i>C. ferruginea</i>	183	0	9012	9195	11143	4246	4036
Spoon-billed Sandpiper <i>Eurynorhynchus pygmeus</i>	0	0	2	2	8	1	16
Broad-billed Sandpiper <i>Limicola falcinellus</i>	3	1	137	141	95	57	121
Ruff <i>Philomachus pugnax</i>	2	3	1	6	11	9	4
Tringa spp.	0	939	0	939	0	0	0
Small wader spp. (mainly Dunlin or Kentish Plover)	0	0	0	0	2150	5500	2420
<b>NUMBER OF SPECIES</b>	36	33	45	48	46	46	49
<b>AGGREGATE SHOREBIRD SPECIES PEAK COUNT</b>	5222	27228	18132	50582	48643	33312	27926

Note: a dash indicates that birds were recorded, but not thought to comprise different individuals to those in other seasons.

The all-year aggregate in 2007-08 is 50,582, which is a 4.4% increase from the same figure of the previous year and this is a new high figure for this programme. However, the sum of spring and autumn aggregates is 23,354, which is a decrease of 16% compared to the previous year's figure (i.e. 27,892), indicating that the increase was mainly resulted from the winter aggregate figure. The new high figure of wintering Pied Avocets and the presences of wintering Kentish Plovers and Dunlins caused some increase in the winter aggregate, while fewer Spotted Redshanks and Curlew Sandpipers were presented in the spring and the low number of passage Red-necked Stints made the decrease of the spring aggregate.

The ten highest numbers species recorded in this 12-month period were: Pied Avocet (16,123, 31.9% of the total number of shorebirds in the same period), Curlew Sandpiper (9,195, 18.2%), Common Greenshank (4,493, 8.9%), Marsh Sandpiper (3,090, 6.1%), Common Redshank (2,257, 4.5%), Kentish Plover (1,867, 3.7%), Dunlin (1,800, 3.6%), Black-tailed Godwit (1,656, 3.3%), Spotted Redshank (1,641, 3.2%) and Eurasian Curlew (1,116, 2.2%).

Shorebird turnover rates in Hong Kong have yet to be determined; however, Howes and Bakewell (1989) quoted studies using marked birds in Morocco and Malaysia as indicating that the total number of shorebirds using a given area during migration lies in the range 3 - 4.5 times the peak daily count of passage shorebird species. Using this as the calculation basis, with peak day counts of 18,132 in spring and 5,222 in autumn, totaling 23,354, Deep Bay may have supported in the range 70,062 to 105,093 migrant shorebirds during 2007-2008.

#### *Regional 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 that is criterion 3c for determining a wetland of international importance are listed in: Waterbird Population Estimates - Fourth Edition (Wetland International 2006). Significant proportions of the populations of some shorebirds species pass through the Mai Po Inner Deep Bay Ramsar site. These species are listed in Table 3 with their flyway or regional population, numbers recorded in the Ramsar site and percentages of the flyway or regional during the course of July 2007 to June 2008.

Table 3. Species recorded in flyway/regional important numbers in the Deep Bay area during July 2007 to June 2008.

<b>Species</b>	<b>Flyway/regional population</b>	<b>Number recorded</b>	<b>Percentage</b>
Pied Avocet <i>Recurvirostra avosetta</i>	1,000 (1% level)	16,123	16%
Black-tailed Godwit <i>Limosa limosa</i>	160,000	1,656	1.0%
Eurasian Curlew <i>Numenius arquata</i>	35,000	1,116	3.2%
Spotted Redshank <i>Tringa erythropus</i>	1,000 (1% level)	1,641	1.6%
Common Redshank <i>Tringa totanus</i>	1,000 (1% level)	2,257	2.3%
Common Greenshank <i>Tringa nebularia</i>	1,000 (1% level)	4,493	4.5%
Nordmann's Greenshank <i>Tringa guttifer</i>	500-1,000	26	3-5%
Terek Sandpiper <i>Xenus cinereus</i>	50,000	571	1.1%
Curlew Sandpiper <i>Calidris ferruginea</i>	180,000	9,195	5.1%

#### *Globally threatened species*

With regard to species listed in BirdLife International (2000, 2004, 2008a, 2008b, 2008c), the following were recorded during July 2007 to June 2008 (population figures from Wetland International (2006)):

- Black-tailed Godwit *Limosa limosa*: listed as Near-threatened, the population

may have declined at a rate of 30% over the last 15 years. In the 12-month period covered by this report a total of 1,656 individuals were counted and this constitutes 1% of the regional population. A total of 2,352 individuals were recorded the previous year and this year's figure is a decrease of 30% from the previous year.

- Eurasian Curlew *Numenius arquata*: listed as Near-threatened (BirdLife International 2008b), this species is firstly being listed as Near-threatened by BirdLife International in 2008, although the assessment of IUCN in 2007 still listed it as 'least concern' and BirdLife International is the organization to provide information of assessing populations of all bird species to update the red list of IUCN. Its global trend is suspected to decrease at a rate of 20-30% in the past 15 years or three generations. A total of 1,116 individuals were recorded in the January monthly watebird count which constitutes 3.2% of the regional population. In fact, the population of this species present in Hong Kong is stable at about 3% of the regional population in recent years.
- Nordmann's Greenshank *Tringa guttifer*: listed as Endangered (i.e. facing a very high risk of extinction in the wild in the near future), the world population is estimated to be 500 to 1,000 birds. None was recorded in autumn 2007 and at least 26 birds including a minimum of 15 adults and a maximum of 11 first-summer birds were recorded in spring 2008. This figure is a decrease of 48% from an unusually high number in the previous year's aggregate and constituted 2.6 to 5.2% of the world population. But this is very similar to the other three previous all-year aggregates are 24, 22 and 24 birds from 2004, 2005 and 2006 respectively.
- Asian Dowitcher *Limnodromus semipalmatus*: listed as Near-threatened, the world population is estimated to be 23,000. In spring 2008 the maximum count was 428 birds on 27 April and another 13 individuals were counted in the autumn 2007. These added up the all-year aggregate to 441 individuals, which is more than triple the previous year's aggregate of 138 individuals. The count of 428 birds is also the second highest single count in Hong Kong after the peak count of 540 individuals recorded in spring 2003. This aggregate constituted to 2% of the world population.
- Spoon-billed Sandpiper: upgraded as Critically Endangered in 2008 (BirdLife International 2008c), the world population is now estimated to be only 50 to 249

individuals and the population trend is decreasing drastically. None were recorded in autumn 2007 and only two different individuals were recorded in this spring. This is a poor year for this species as seven individuals were recorded the previous spring.

#### *Flagged shorebird sightings*

A total of only 102 sightings of flagged shorebirds were reported in the period of July 2007 to June 2008 in the Mai Po and Deep Bay area. This is a substantial 46% decrease of the number of sightings. Fifty-four (53%) sightings referred to the local re-sighting, i.e. birds flagged in Hong Kong in previous years. Overseas sightings included birds flagged in northwest Australia (yellow flag, 23%), Victoria (orange flag, 18%) and smaller numbers from south Australia (orange/yellow flags) and Shanghai of China (black/white flags). An Asian Dowitcher with orange and black flags sighted on 30 April 2008 was flagged at Sumatra, Indonesia; this is the first sighting record of this species and its flagging locality in Hong Kong. The most frequent reported species is the Curlew Sandpiper, with 24 sightings (24%), followed by the Common Greenshank at 15 sightings (15%). More information is listed in Appendix 4.

#### *Other observations*

Although the shorebird aggregate in this spring showed decrease from the previous spring, this figure is still higher than from the equivalent figures for 2003 to 2006, and the all-year aggregate actually rose to a new peak number because of very high numbers of shorebirds presented in the winter months (table 1). The high count of 15,149 birds recorded on 19 April 2008 was related to the approach of typhoon Neoguri and the high numbers in winter were recorded at exceptional high tides. Nevertheless, the high numbers of shorebirds presented in both this and previous years are very encouraging.

### **Acknowledgements**

We would like to thank Dr. Lew Young and staff at the WWF HK in Mai Po Nature Reserve for much help in habitat management to provide suitable shorebird roosting areas. We also thank Geoff Carey for giving comments for the earlier draft of this report. We are also grateful to members of the Hong Kong Bird Watching Society for providing sightings of the colour-flagged shorebirds.

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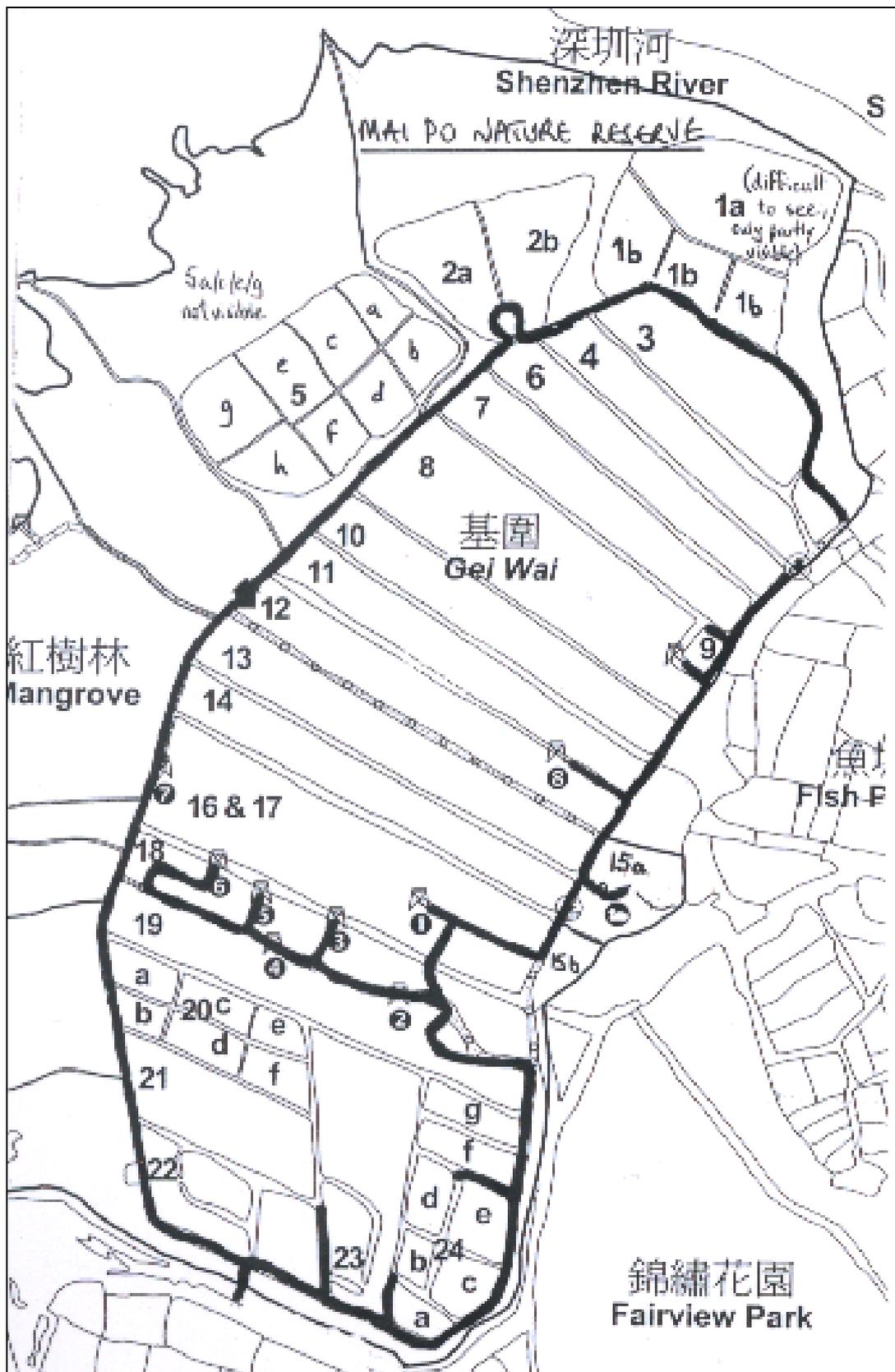
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Map 1. The Mai Po Nature Reserve - the study site of shorebird monitoring programme, 2006-07.





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

## 2007-08 Report

### ***Appendix 1***

Counts of shorebirds in the Mai Po Inner Deep Bay  
Ramsar Site in autumn 2007



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

Counts of shorebirds in the Mai Po Inner Deep Bay Ramsar Site in autumn 2007

	1-7 Jul	8-14 Jul	15-21 Jul	22-28 Jul	29 - 4 Aug	5-11 Aug	12-18 Aug	19-25 Aug	26-1 Sep	2 - 8 Sep	9-15 Sep	16-22 Sep	23-29 Sep	30 - 6 Oct	7-13 Oct	14-20 Oct	21-27 Oct	28- 3 Nov
Pheasant-tailed Jacana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greater Painted-snipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Black-winged Stilt	25	2	0	5	3	13	23	2	102	77	257	71	112	105	65	13	32	17
Pied Avocet	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	154	100	284
Oriental Pratincole	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern Lapwing	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	1	0	0
Pacific Golden Plover	0	0	0	0	0	3	0	23	15	1	1	0	23	4	21	42	3	3
Grey Plover	0	0	0	1	0	2	1	9	16	0	7	12	13	8	55	23	26	41
Common Ringed Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Little Ringed Plover	0	0	0	0	0	0	0	4	0	0	2	0	0	1	0	0	3	0
Kentish Plover	0	0	0	0	0	0	1	1	0	0	0	2	10	2	2	221	10	463
Lesser Sand Plover	0	0	0	0	0	0	3	0	5	0	0	0	1	4	1	0	0	1
Greater Sand Plover	41	28	0	0	0	41	47	31	60	5	1	80	4	10	0	7	0	5
Oriental Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Black-tailed Godwit	3	24	20	54	25	45	113	163	7	0	257	98	287	299	328	1	468	2
Bar-tailed Godwit	0	0	0	0	0	0	0	0	1	0	53	45	60	51	10	4	0	0
Little Curlew	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Whimbrel	0	0	0	0	1	17	129	49	39	13	154	70	32	46	20	4	1	4
Eurasian Curlew	17	23	0	38	60	70	64	94	15	84	95	78	106	97	98	90	109	126
Far Eastern Curlew	1	0	0	2	0	1	2	1	0	0	0	0	0	1	1	0	1	0
Spotted Redshank	0	0	0	1	2	2	5	10	19	0	16	13	46	25	61	4	137	18
Common Redshank	4	101	13	1017	214	946	222	215	144	17	228	99	216	188	248	142	0	164
Marsh Sandpiper	0	9	0	4	0	17	48	108	27	97	760	323	1595	1113	1900	1126	2049	672
Common Greenshank	0	44	144	450	455	601	824	531	537	447	874	501	1066	514	717	563	545	427
Nordmann's Greenshank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Green Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wood Sandpiper	11	11	3	43	0	36	9	194	4	115	117	0	127	2	12	0	21	0
Terek Sandpiper	0	0	0	3	0	26	33	39	26	8	7	11	0	0	0	0	0	0
Common Sandpiper	2	1	0	0	0	2	1	0	1	0	0	0	3	1	0	1	0	0
Grey-tailed Tattler	0	0	0	0	0	6	4	0	1	0	2	2	1	0	0	0	0	0
Ruddy Turnstone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red-necked Phalarope	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Pintail/Swinhoe's Snipe	0	0	0	0	0	0	1	3	1	2	0	1	11	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
Long-billed Dowitcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asian Dowitcher	0	0	0	1	0	1	7	13	1	0	1	2	0	0	0	0	0	0
Red Knot	0	0	0	0	0	0	1	3	1	1	5	9	9	2	6	10	5	9
Great Knot	0	0	0	0	0	0	0	8	0	2	47	68	39	31	21	26	25	0
Sanderling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red-necked Stint	0	0	0	0	0	18	39	140	68	0	6	0	10	1	0	20	1	5
Little Stint	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	0	0	0	0	0	0	0	0	0	0	5	0	0	0
Long-toed Stint	0	0	0	0	0	1	0	5	5	2	1	0	3	0	0	4	0	0
Pectoral Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sharp-tailed Sandpiper	0	0	0	0	0	1	1	4	1	1	2	0	2	2	1	0	0	0
Dunlin	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	4	0	83
Curlew Sandpiper	0	1	0	183	0	18	15	66	12	5	9	8	14	0	0	0	0	0
Spoon-billed Sandpiper	0	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	1	0	3	0	0	0	0	0	0	0	0	0	0
Ruff	0	0	0	0	0	0	0	1	1	0	2	0	1	1	0	0	1	0
Sand Plover sp.	0	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	0
Large <i>tringa</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	104	244	180	1802	760	1868	1593	1720	1109	877	2904	1496	3791	2508	3573	2460	3537	2324

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

## 2007-08 Report

### ***Appendix 2***

Counts of shorebirds in the Mai Po Inner Deep Bay  
Ramsar Site in spring 2008



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

## Counts of shorebirds in the Mai Po Inner Deep Bay Ramsar Site in spring 2008

	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.
Pheasant-tailed Jacana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
Greater Painted-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
Black-winged Stilt	141	35	52	103	321	213	19	78	32	22	132	111	221	124	87	92	61	92	60	38	69	80	57	39	72	5
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	0	0	1
Oriental Pratincole	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	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
Grey-headed Lapwing	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Golden Plover	5	0	0	12	13	7	67	7	10	10	1	18	17	4	1	0	0	0	1	0	0	3	1	0	1	0
Grey Plover	15	50	102	68	63	15	52	20	27	38	7	54	11	24	18	23	21	11	18	15	2	12	11	18	11	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
Little Ringed Plover	0	2	6	2	0	2	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0
Kentish Plover	0	5	1	10	2	5	2	3	2	1	1	1	5	5	9	3	1	0	0	0	5	0	0	0	0	0
Lesser Sand Plover	0	2	2	2	6	6	9	13	78	51	37	38	11	13	5	8	11	8	8	0	13	1	3	0	0	0
Greater Sand Plover	5	45	70	89	67	270	302	66	125	62	73	93	90	13	27	68	66	86	31	26	20	5	8	27	0	0
Oriental Plover	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Black-tailed Godwit	5	16	10	40	658	340	21	1085	956	696	748	728	368	308	75	61	42	45	18	30	28	20	19	6	7	10
Bar-tailed Godwit	5	4	2	2	9	6	10	17	1	18	18	9	15	4	2	4	1	7	4	7	5	5	1	4	4	3
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
Whimbrel	1	1	0	1	0	0	0	13	3	6	10	46	38	32	40	48	27	19	8	21	21	26	2	17	18	18
Eurasian Curlew	327	49	57	82	53	27	45	47	15	28	26	43	2	82	29	42	38	40	33	30	42	43	38	40	34	37
Far Eastern Curlew	2	1	0	1	2	0	0	2	1	12	4	13	12	15	0	1	1	0	1	0	0	0	0	0	0	0
Spotted Redshank	1	0	2	1	29	843	126	999	131	819	766	1038	818	701	503	475	405	336	6	0	0	3	0	0	0	0
Common Redshank	7	0	18	24	53	521	112	310	666	707	1038	1006	602	853	324	216	333	342	117	41	39	26	16	7	13	10
Marsh Sandpiper	18	4	21	4	390	723	85	1041	727	435	520	547	559	92	25	7	0	5	1	0	3	1	1	2	1	1
Common Greenshank	57	165	49	133	213	253	382	1041	579	1918	822	1381	1249	469	1398	1625	930	401	71	34	24	51	39	45	19	15
Nordmann's Greenshank	0	2	3	4	8	3	3	8	0	2	1	1	0	0	2	5	1	1	1	0	0	6	0	0	0	0
Green Sandpiper	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
Wood Sandpiper	0	0	2	2	2	3	17	77	0	29	42	16	23	2	10	22	18	0	0	0	0	0	0	0	0	0
Terek Sandpiper	0	3	14	30	57	54	531	64	131	247	267	472	441	334	191	251	202	196	163	217	309	199	169	182	165	67
Common Sandpiper	0	0	0	1	0	0	2	0	0	0	0	1	1	1	3	5	3	3	0	0	0	0	0	0	0	0

Grey-tailed Tattler	0	0	0	0	0	0	2	2	0	5	2	0	5	8	2	3	3	1	1	0	1	0	1	20	0	0
Ruddy Turnstone	0	0	0	0	2	1	3	3	37	10	11	13	25	46	19	17	15	14	1	0	1	0	1	0	0	0
Red-necked Phalarope	0	0	0	0	33	3	4	4	1	2	0	0	0	16	0	1	0	0	0	0	0	0	0	0	0	0
Pintail/Swinhoe's Snipe	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
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
Long-billed Dowitcher	0	0	0	0	1	3	1	2	0	2	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Asian Dowitcher	0	0	0	0	0	0	0	40	20	55	36	74	428	395	63	39	9	5	0	0	0	0	0	0	0	0
Red Knot	3	1	3	2	4	0	0	0	3	9	8	12	2	4	4	6	16	14	14	36	52	1	2	1	4	0
Great Knot	127	93	101	51	62	10	33	10	22	16	25	21	5	7	12	8	1	6	8	20	29	20	10	14	0	0
Sanderling	0	0	2	5	2	1	0	2	0	0	0	4	0	0	2	2	1	0	0	0	0	0	0	0	3	0
Red-necked Stint	0	10	20	76	24	67	86	32	495	733	342	478	109	285	334	156	97	94	19	42	164	0	13	0	0	0
Little Stint	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Temminck's Stint	0	0	0	4	1	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	7	0	1	0	3	1	8	8	20	3	2	3	2	0	0	0	2	1	0	0	0	0	0
Pectoral Sandpiper	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Sharp-tailed Sandpiper	0	0	1	1	2	1	2	8	6	18	59	86	64	69	37	39	13	29	52	14	13	3	2	0	0	0
Dunlin	14	0	0	2	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Curlew Sandpiper	68	58	1200	803	66	802	2247	2076	5500	9012	7649	6451	6528	7934	2354	2265	419	427	24	44	16	1	3	10	2	2
Spoon-billed Sandpiper	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Broad-billed Sandpiper	1	1	10	21	3	2	90	20	90	137	47	17	2	20	4	7	0	9	1	1	0	0	0	0	0	0
Ruff	0	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
Small wader 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
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
Total:	802	547	1,749	1,593	2,148	4,182	4,257	7,097	9,661	15,113	12,703	12,794	11,655	11,865	5,583	5,501	2,735	2,192	662	618	862	506	400	434	354	175

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

2007-08 Report

## *Appendix 3*



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

Figure 1. Total number of shorebirds recorded at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

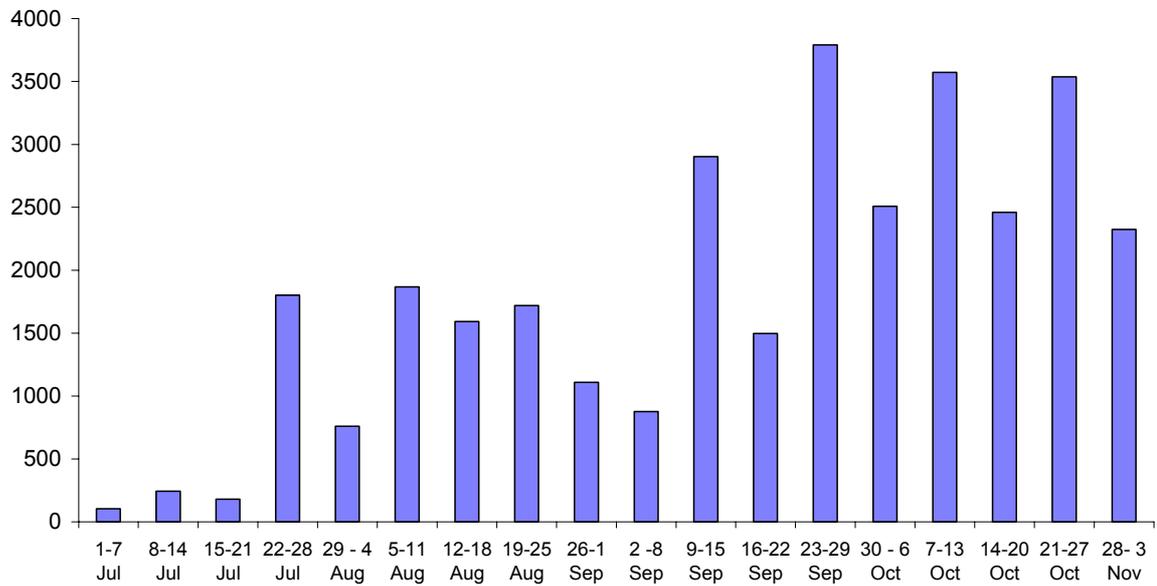


Figure 2. Counts of Black-winged Stilt at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

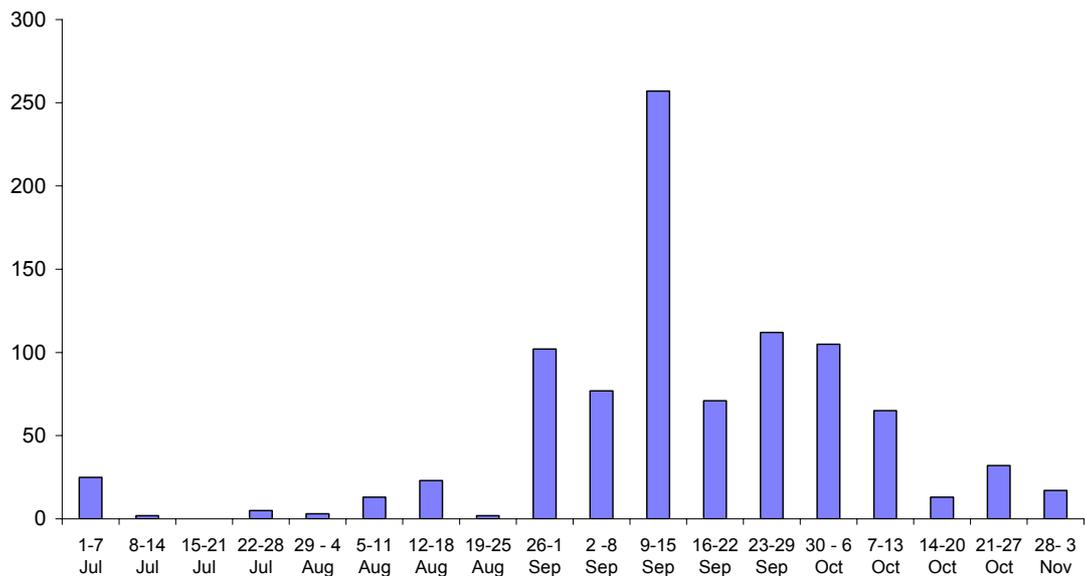


Figure 3. Counts of Pacific Golden Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

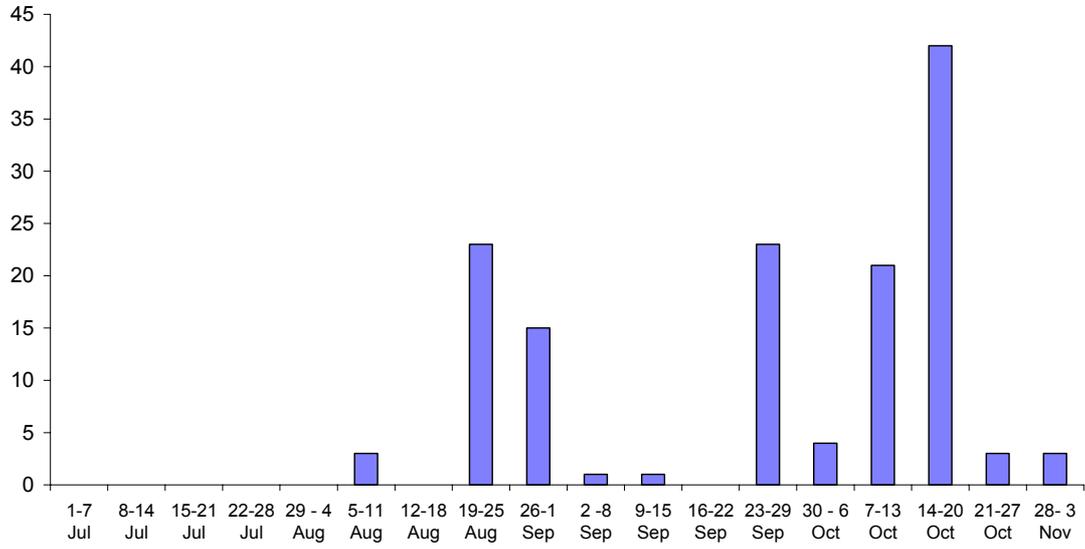


Figure 4. Counts of Kentish Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

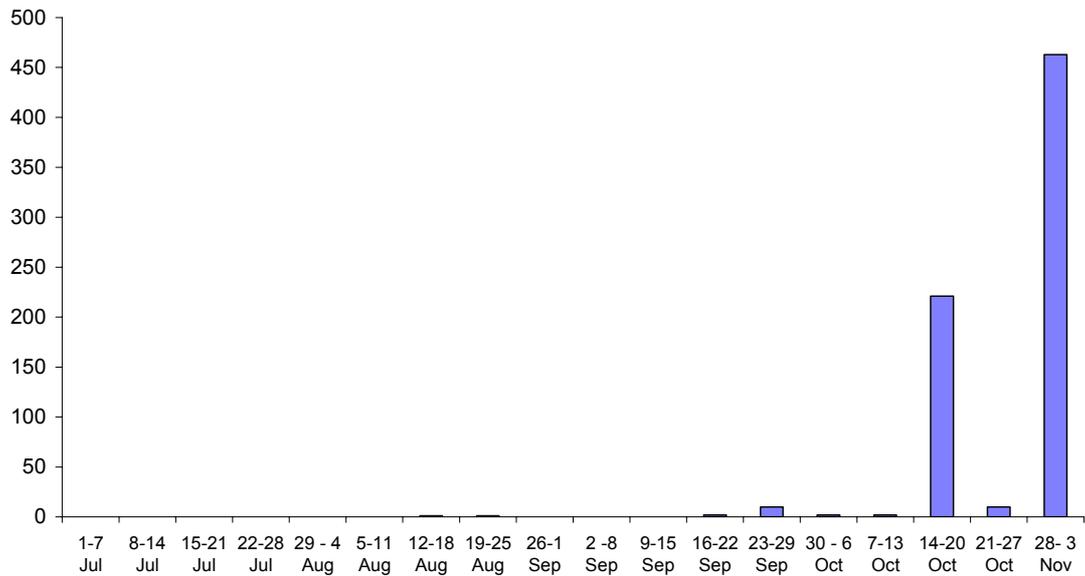


Figure 5. Counts of Grey Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

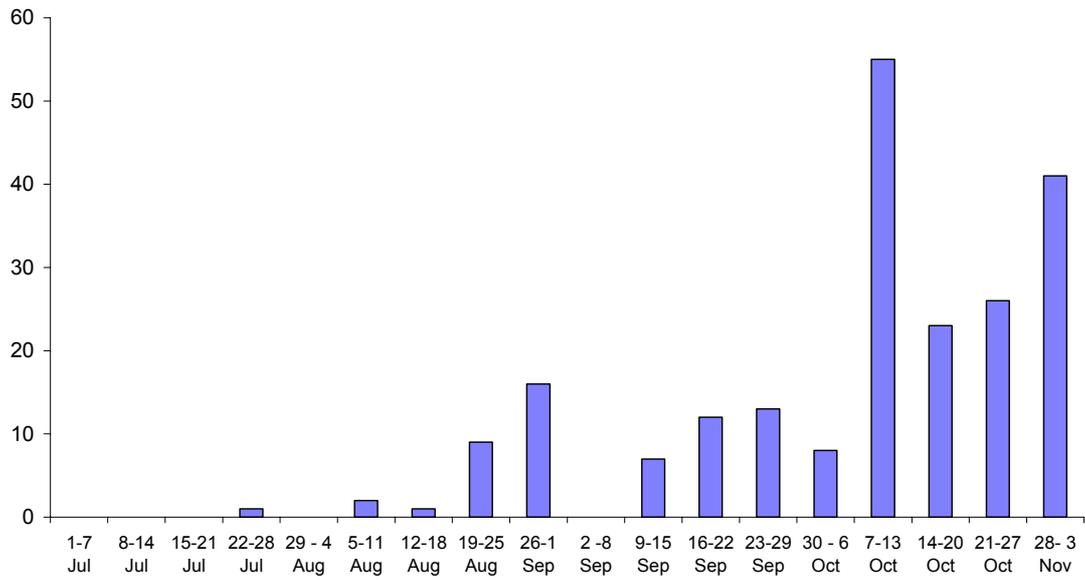


Figure 6. Counts of Lesser Sand Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

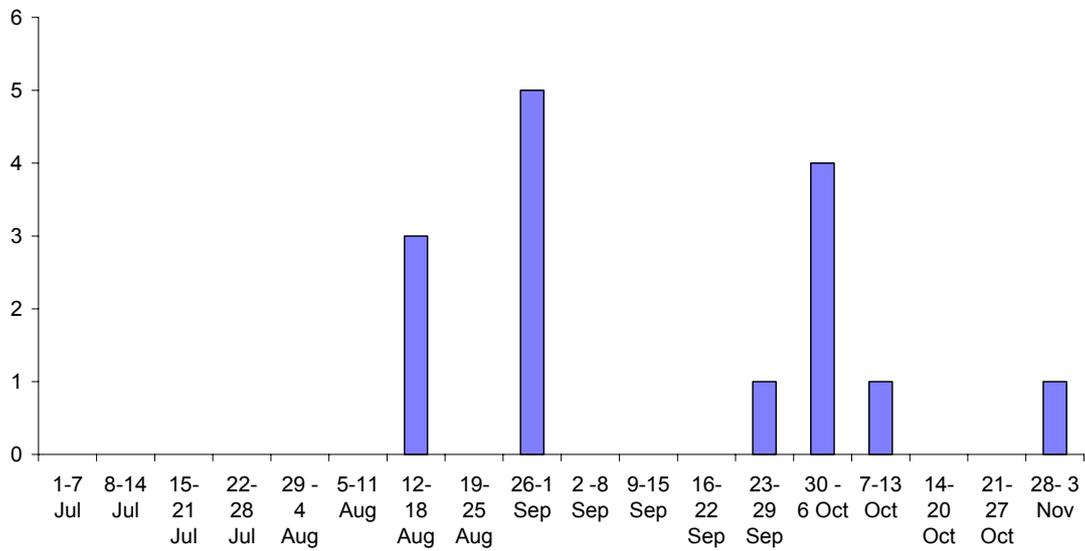


Figure 7. Counts of Greater Sand Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

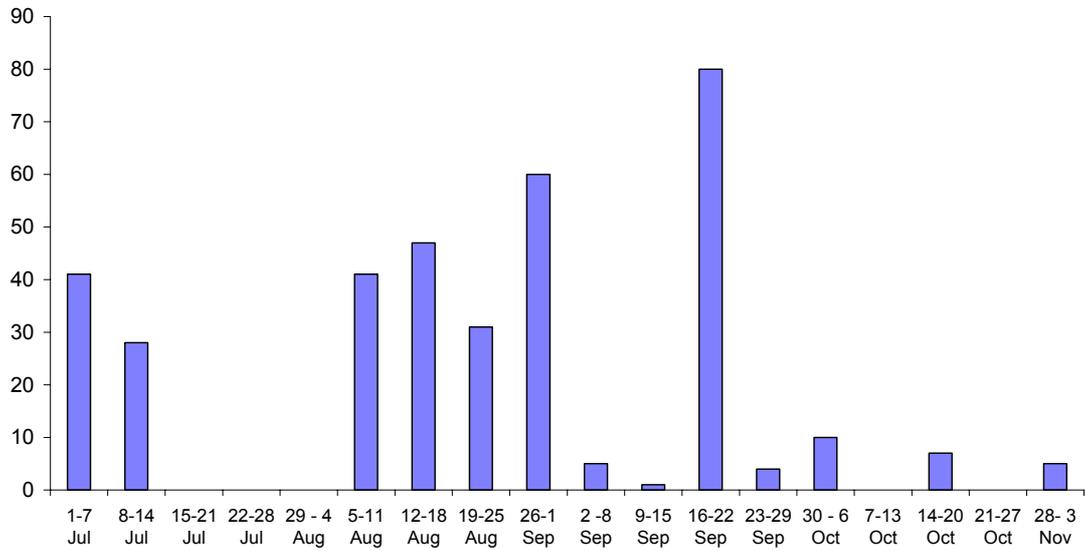


Figure 8. Counts of Black-tailed Godwit at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

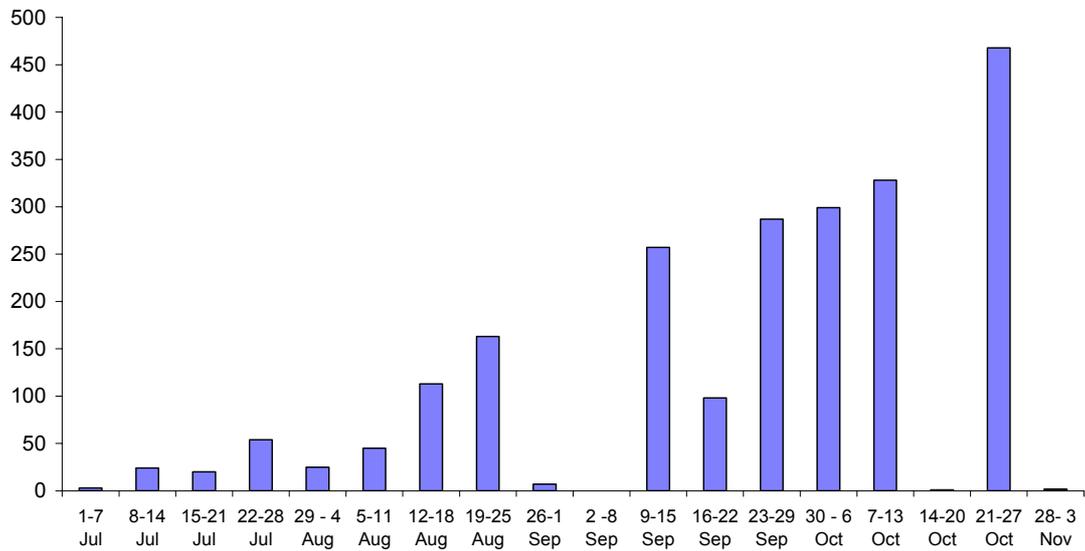


Figure 9. Counts of Bar-tailed Godwit at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

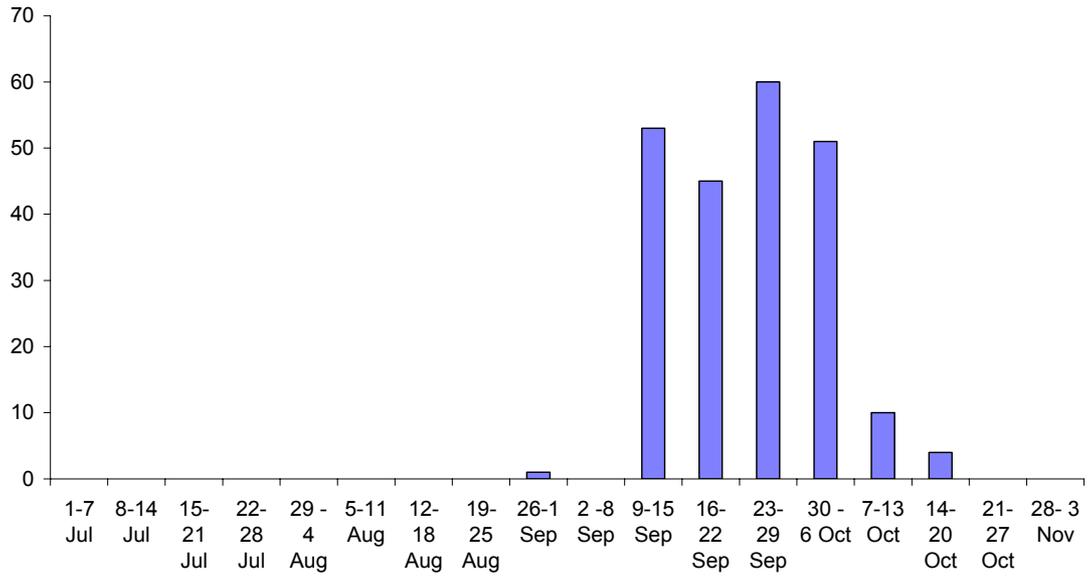


Figure 10. Counts of Whimbrel at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

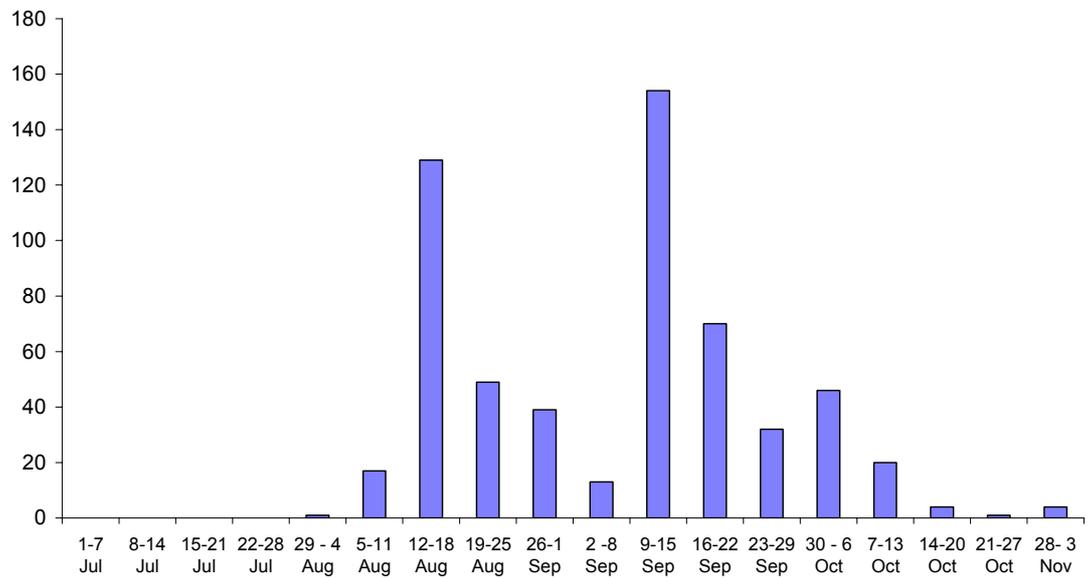


Figure 11. Counts of Eurasian Curlew at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

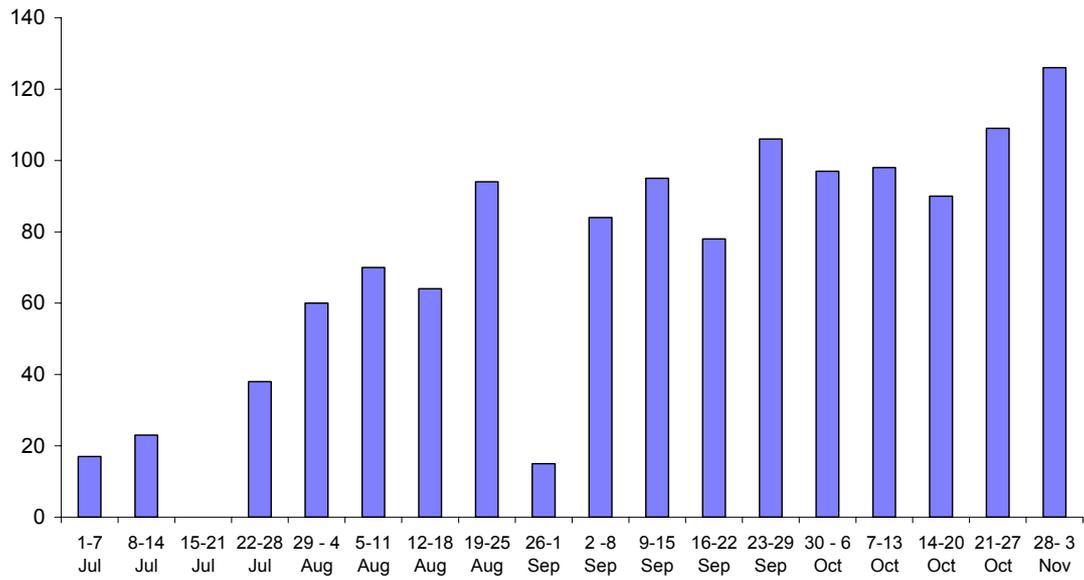


Figure 12. Counts of Spotted Redshank at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

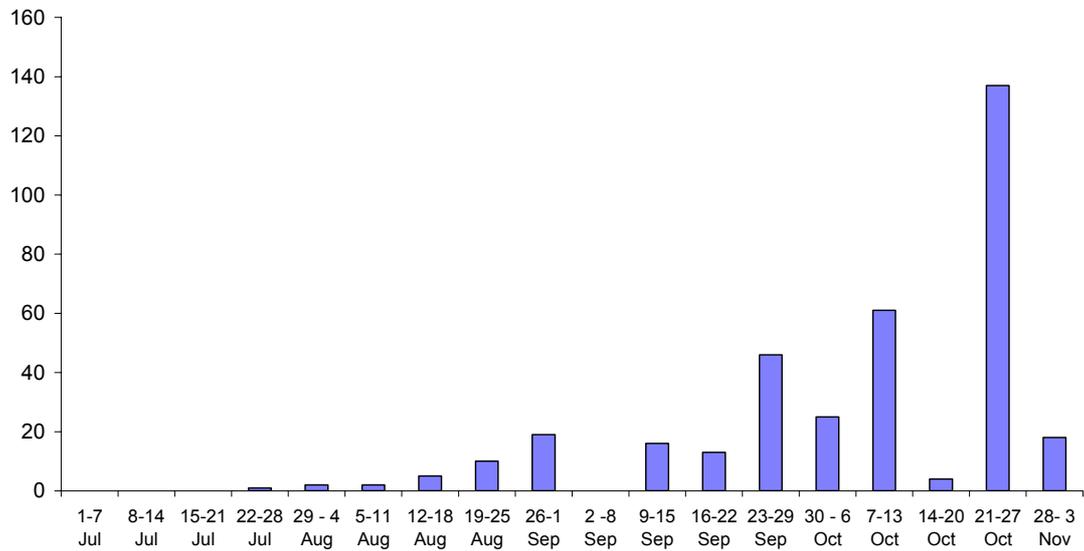


Figure 13. Counts of Common Redshank at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

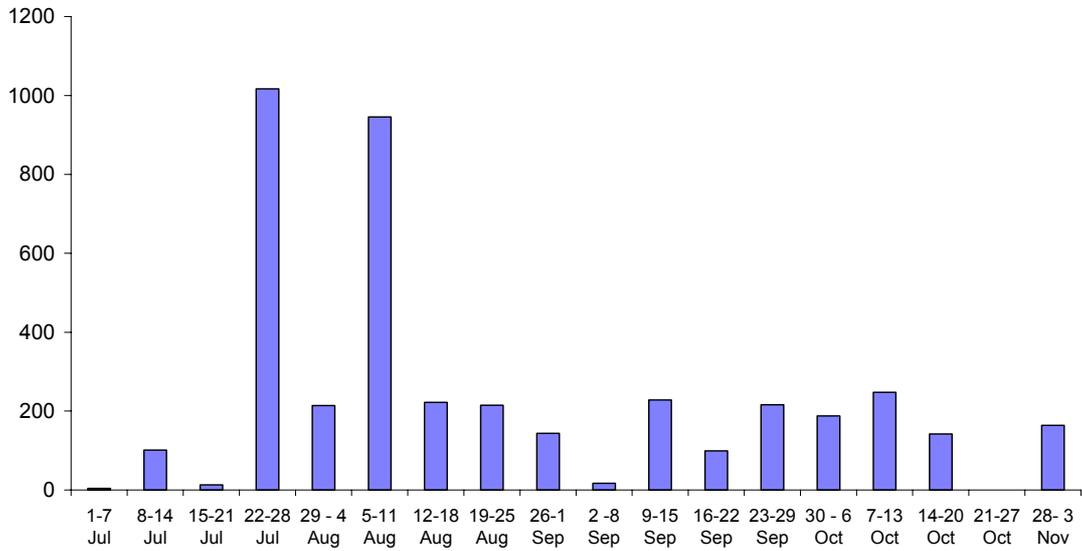


Figure 14. Counts of Marsh Sandpiper at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

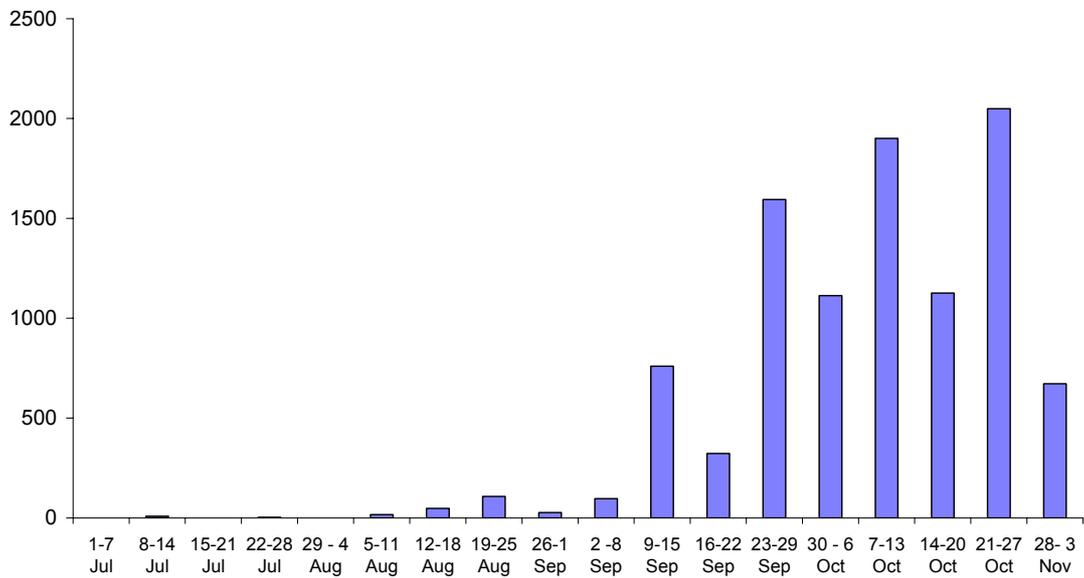


Figure 15. Counts of Common Greenshank at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

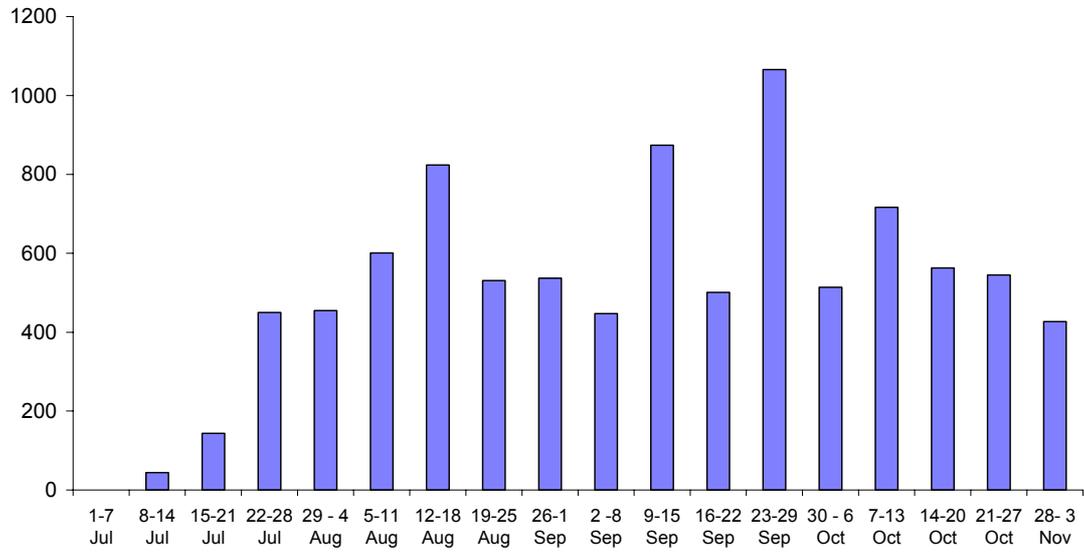


Figure 16. Counts of Wood Sandpiper at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

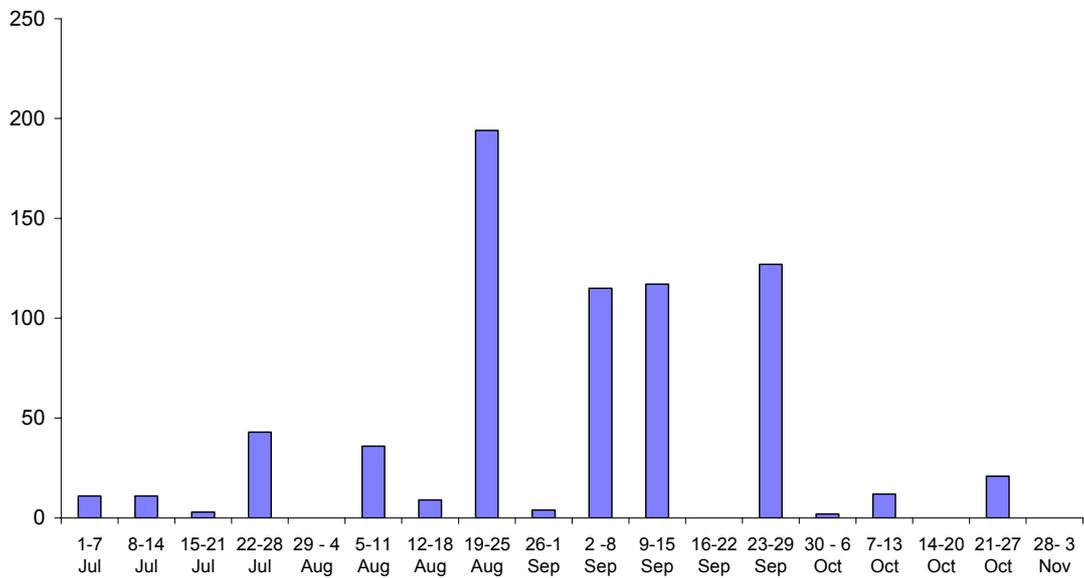


Figure 17. Counts of Great Knot at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

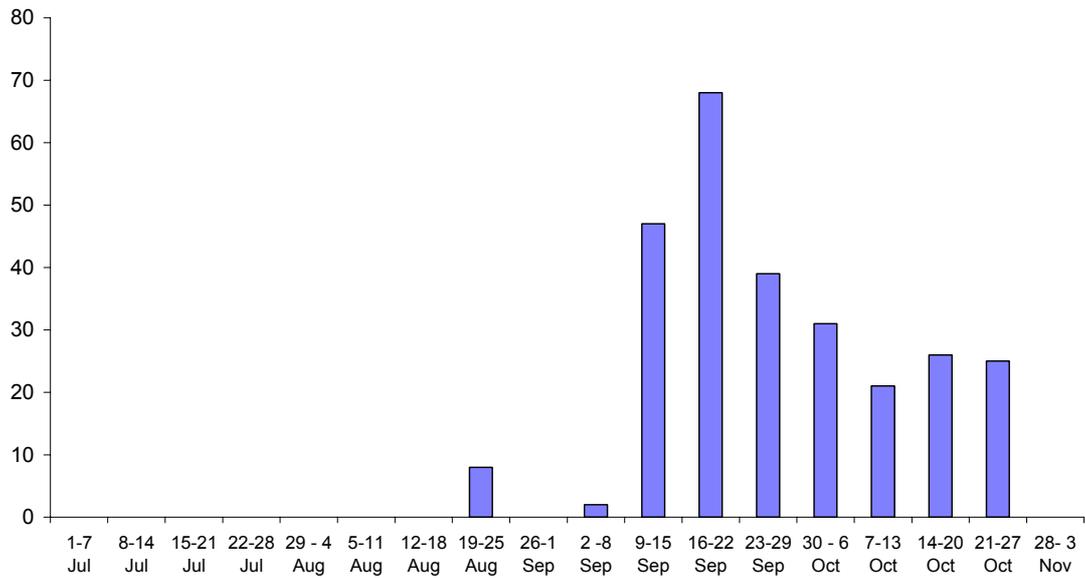


Figure 18. Counts of Red Knot at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

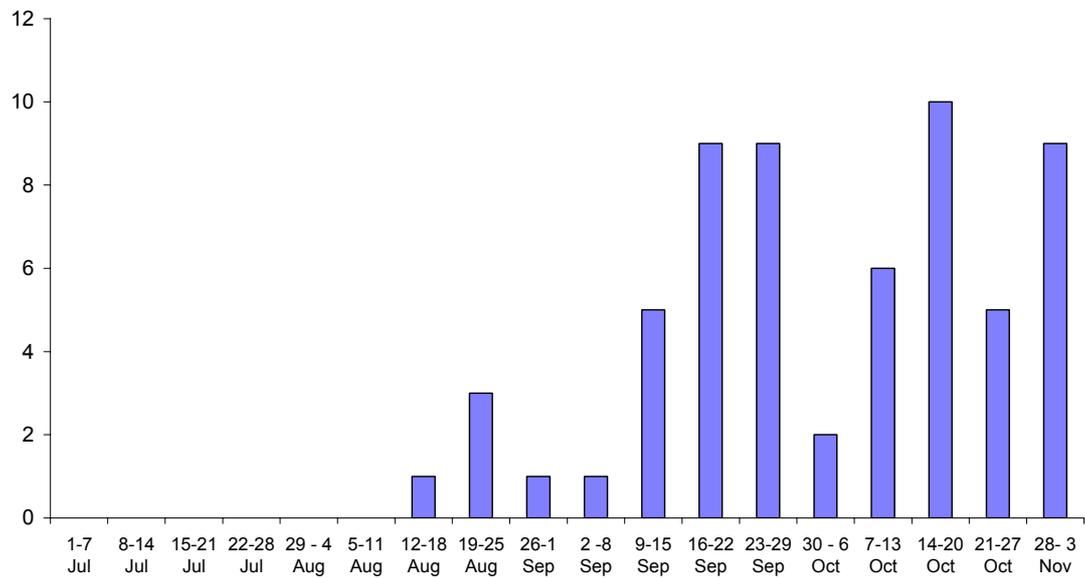


Figure 19. Counts of Broad-billed Sandpiper at Mai Po Inner Deep Bay Ramsar Site, autumn 2007

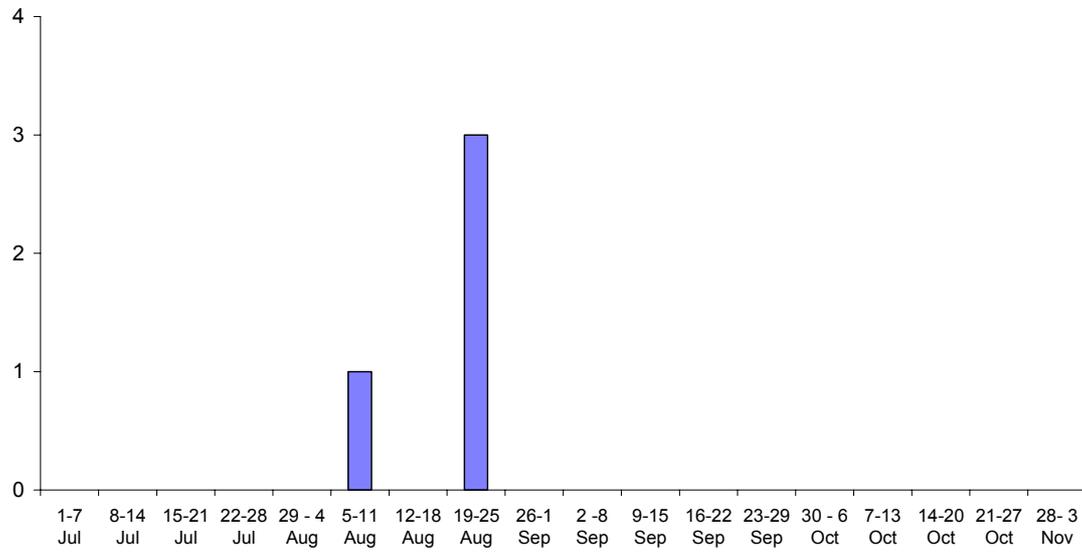


Figure 20. Total number of shorebirds recorded at Mai Po Inner Deep Bay Ramsar Site, spring 2008

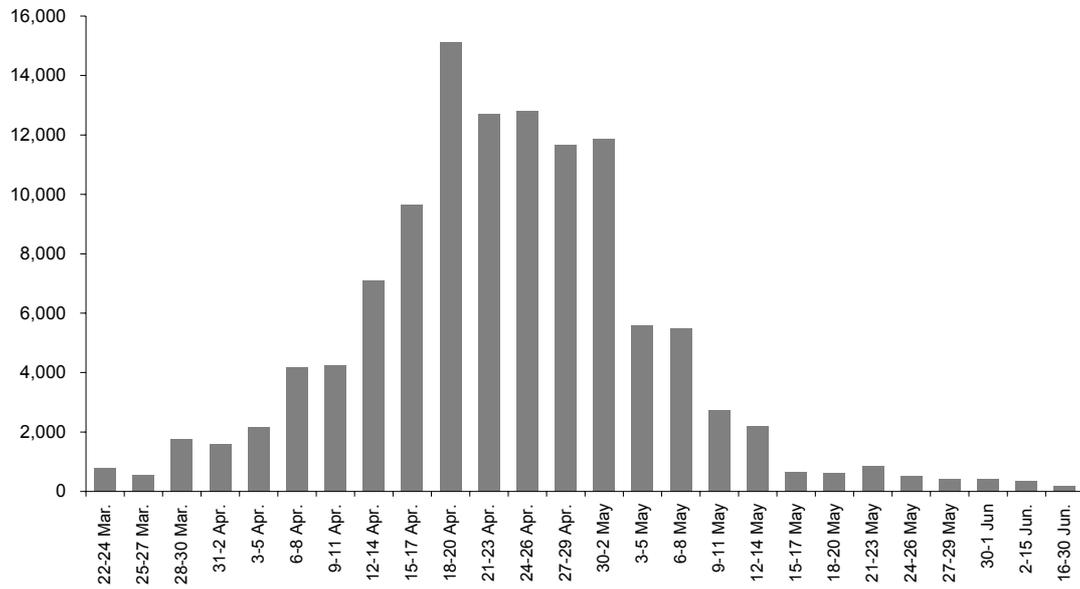


Figure 21. Counts of Pacific Golden Plover at Mai Po Inner Deep Bay Ramsar Site, spring 2008

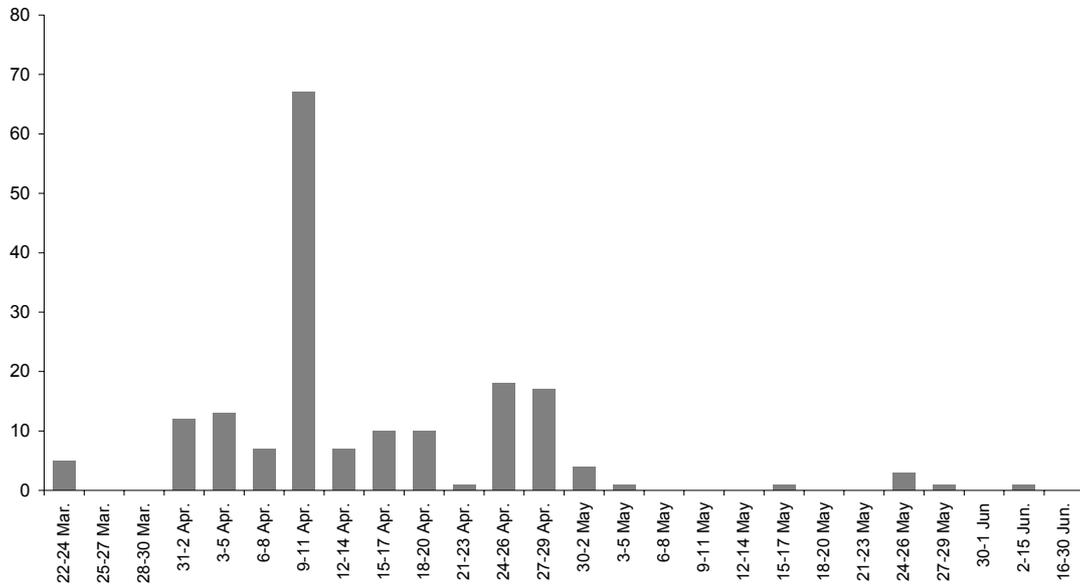


Figure 22. Counts of Lesser Sandplover at Mai Po Inner Deep Bay Ramsar Site, spring 2008

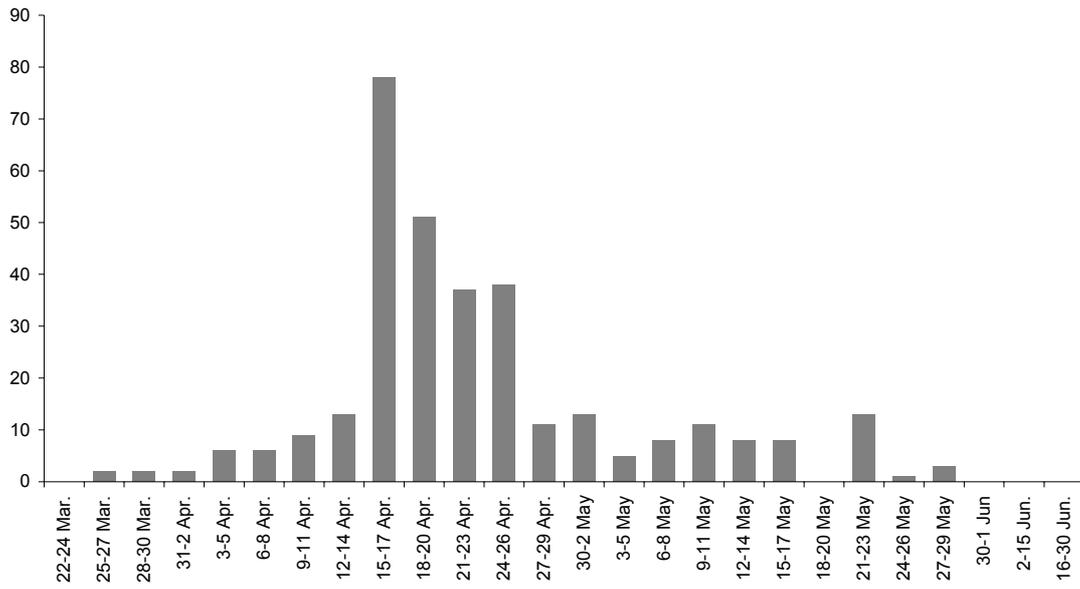


Figure 23. Counts of Greater Sandplover at Mai Po Inner Deep Bay Ramsar Site, spring 2008

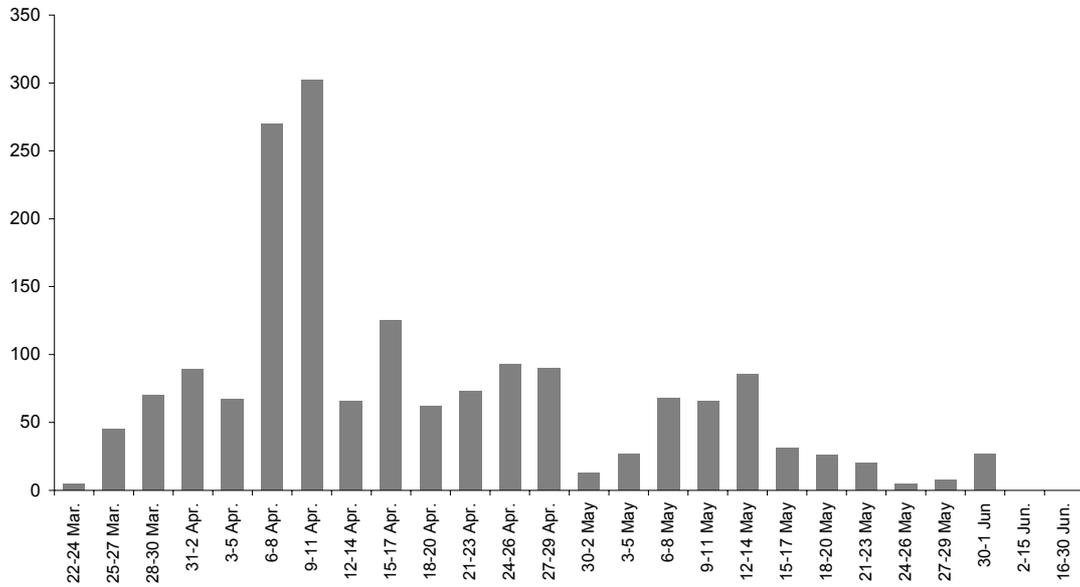


Figure 24. Counts of Black-tailed Godwit at Mai Po Inner Deep Bay Ramsar Site, spring 2008

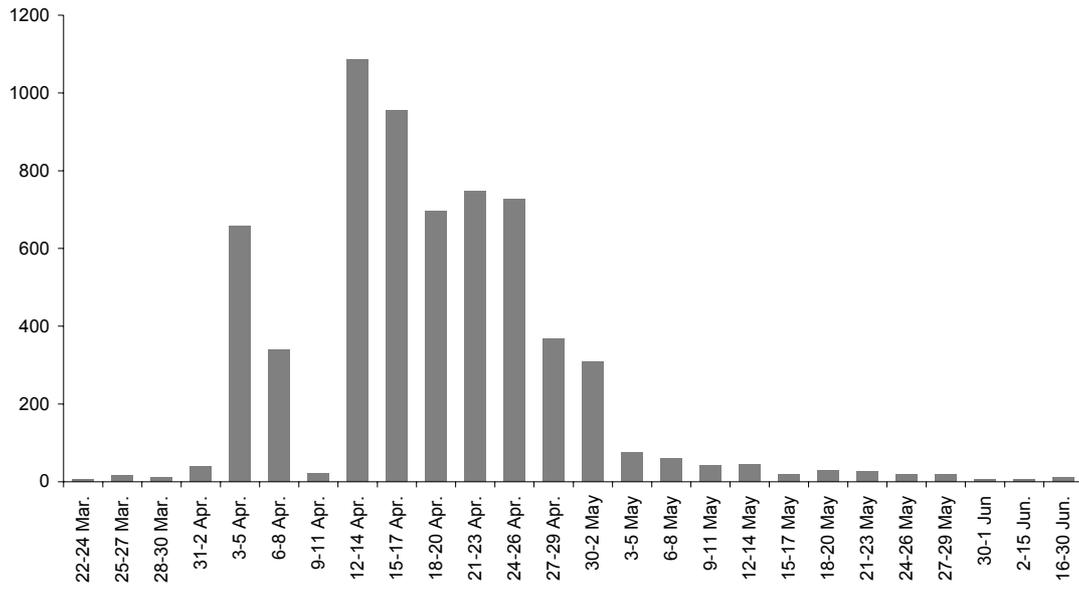


Figure 25. Counts of Spotted Redshank at Mai Po Inner Deep Bay Ramsar Site, spring 2008

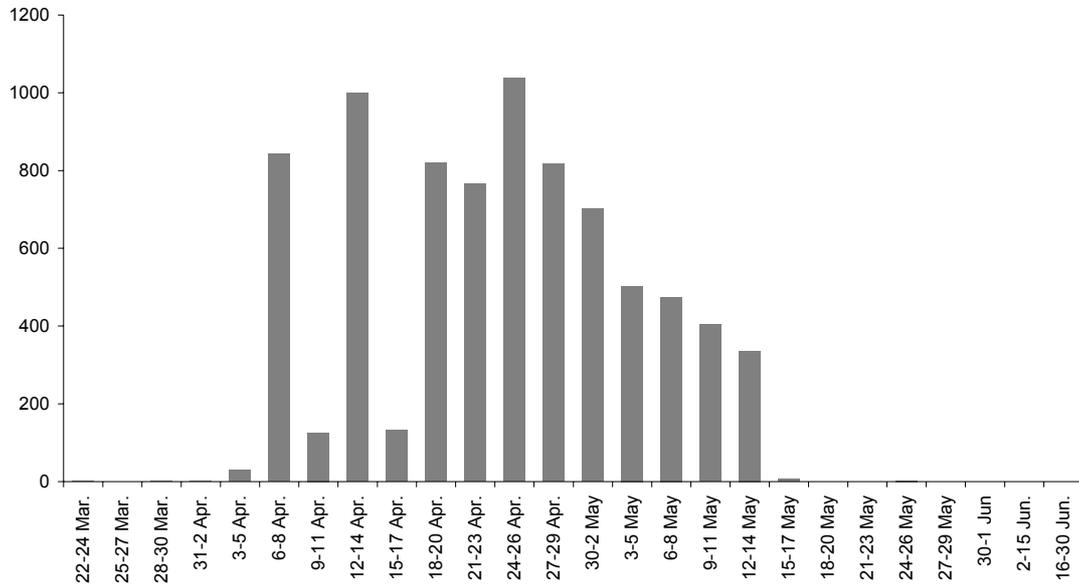


Figure 26. Counts of Common Redshank at Mai Po Inner Deep Bay Ramsar Site, spring 2008

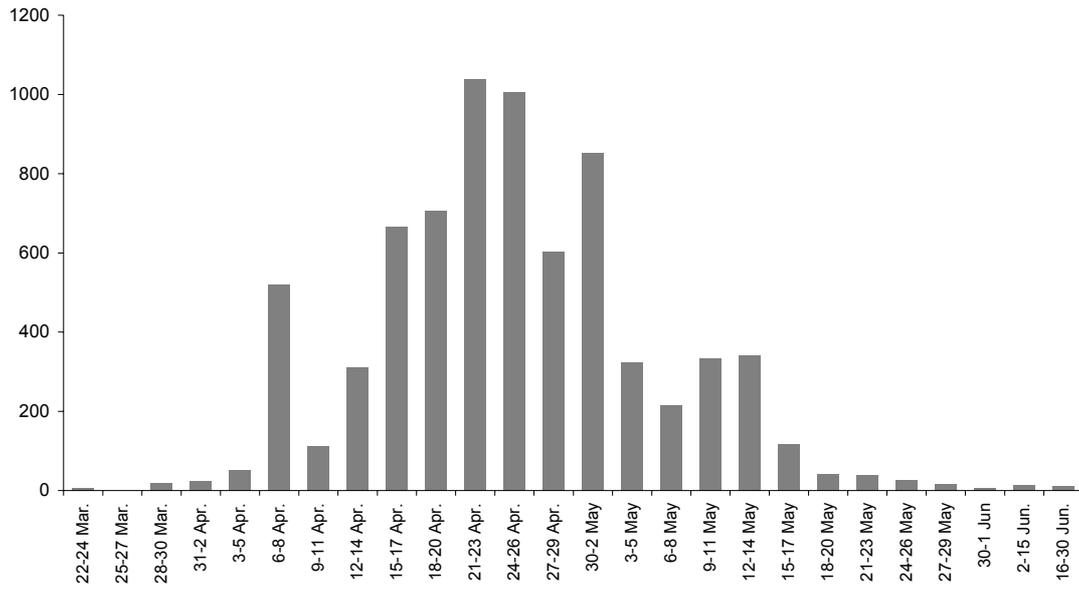


Figure 27. Counts of Marsh Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2008

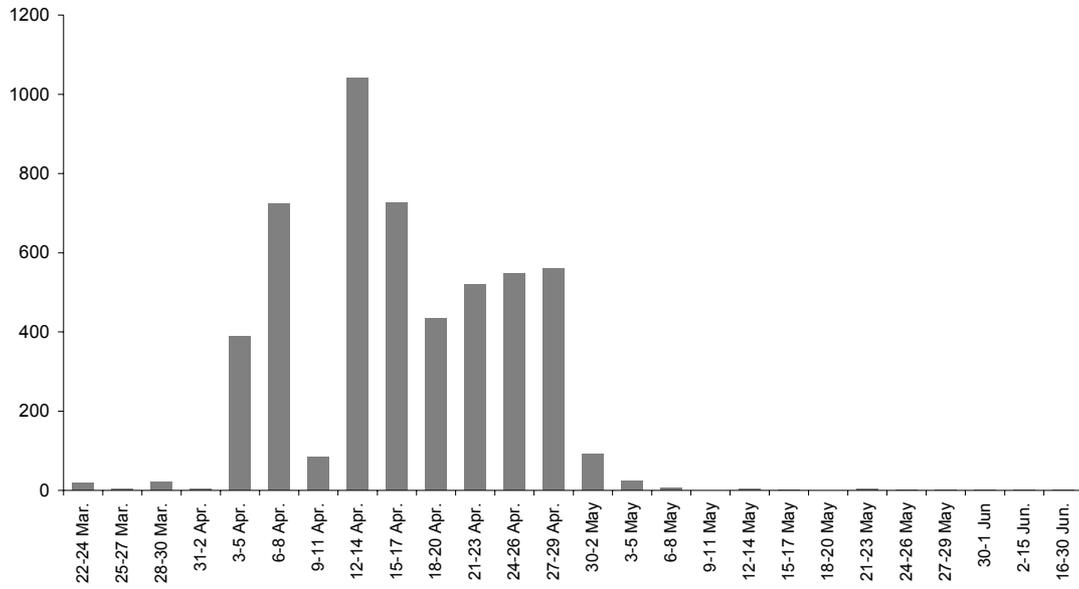


Figure 28. Counts of Common Greenshank at Mai Po Inner Deep Bay Ramsar Site, spring 2008

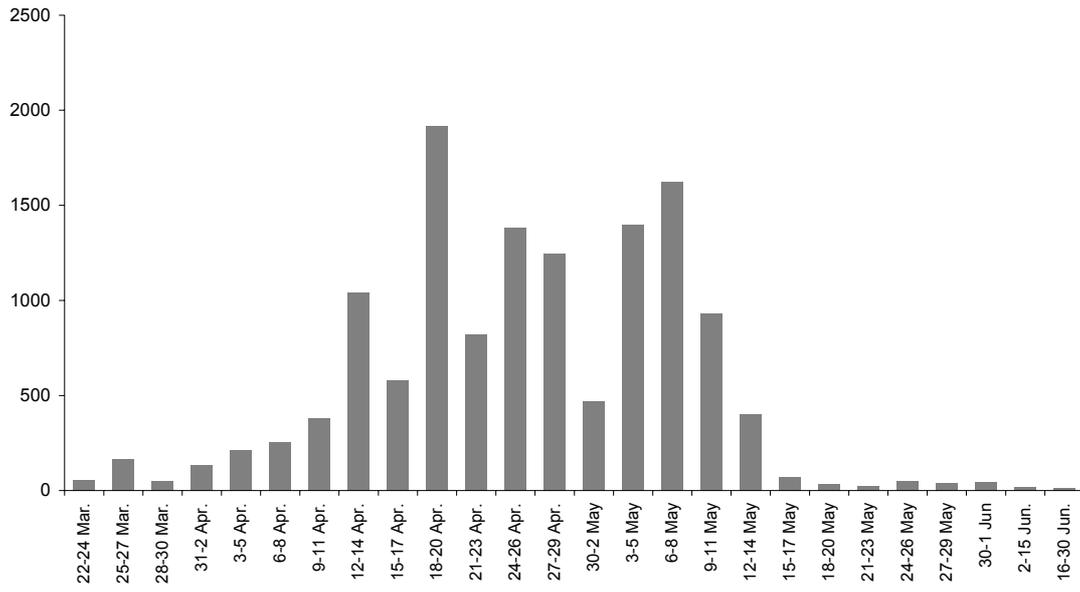


Figure 29. Counts of Terek Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2008

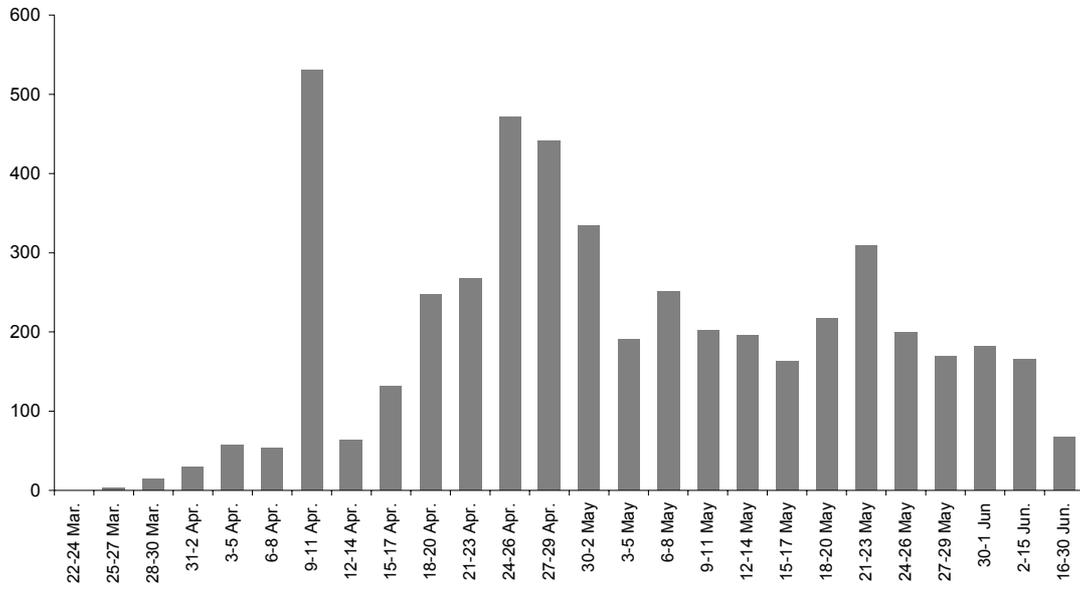


Figure 30. Counts of Grey-tailed Tattler at Mai Po Inner Deep Bay Ramsar Site, spring 2008

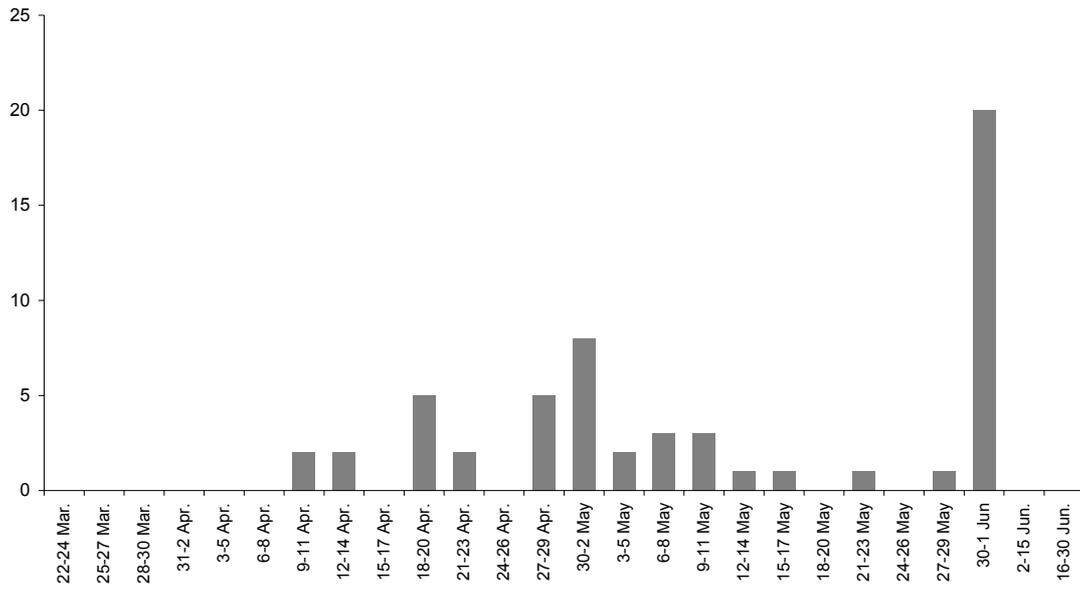


Figure 31. Counts of Ruddy Turnstone at Mai Po Inner Deep Bay Ramsar Site, spring 2008

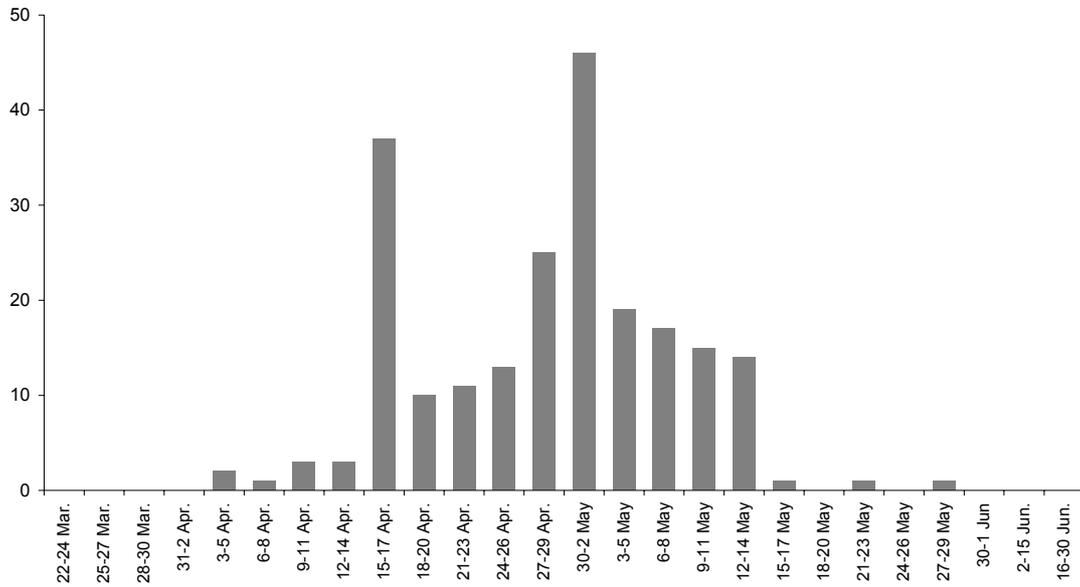


Figure 32. Counts of Asian Dowitcher at Mai Po Inner Deep Bay Ramsar Site, spring 2008

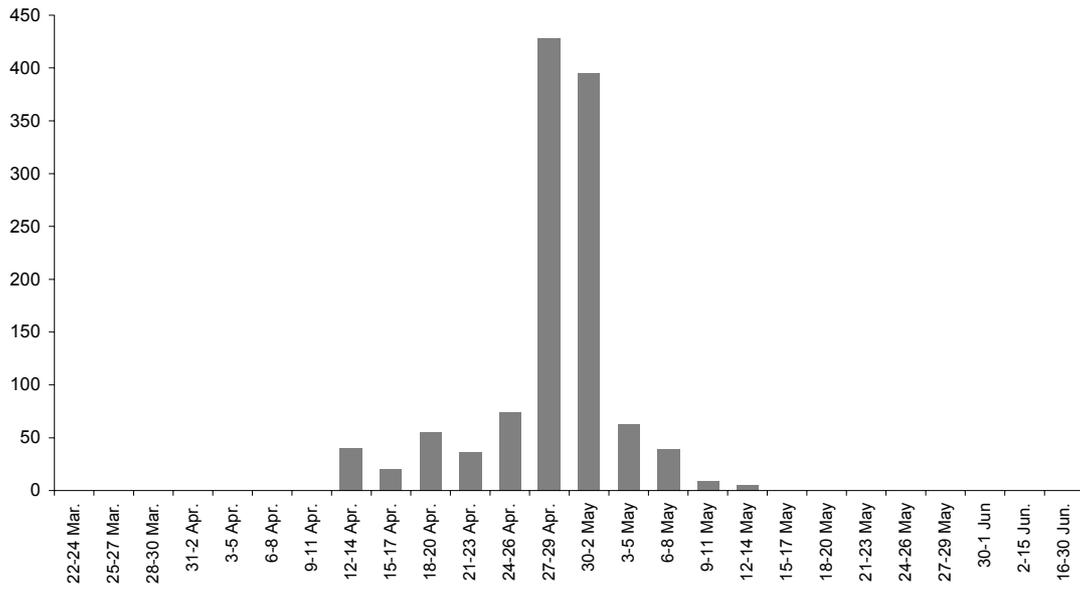


Figure 33. Counts of Red Knot at Mai Po Inner Deep Bay Ramsar Site, spring 2008

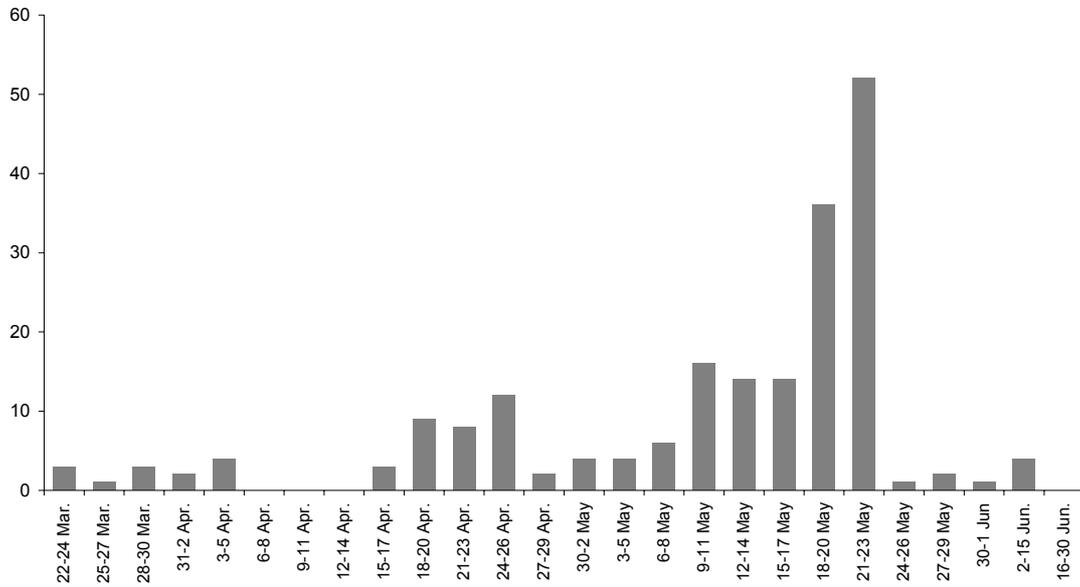


Figure 34. Counts of Great Knot at Mai Po Inner Deep Bay Ramsar Site, spring 2008

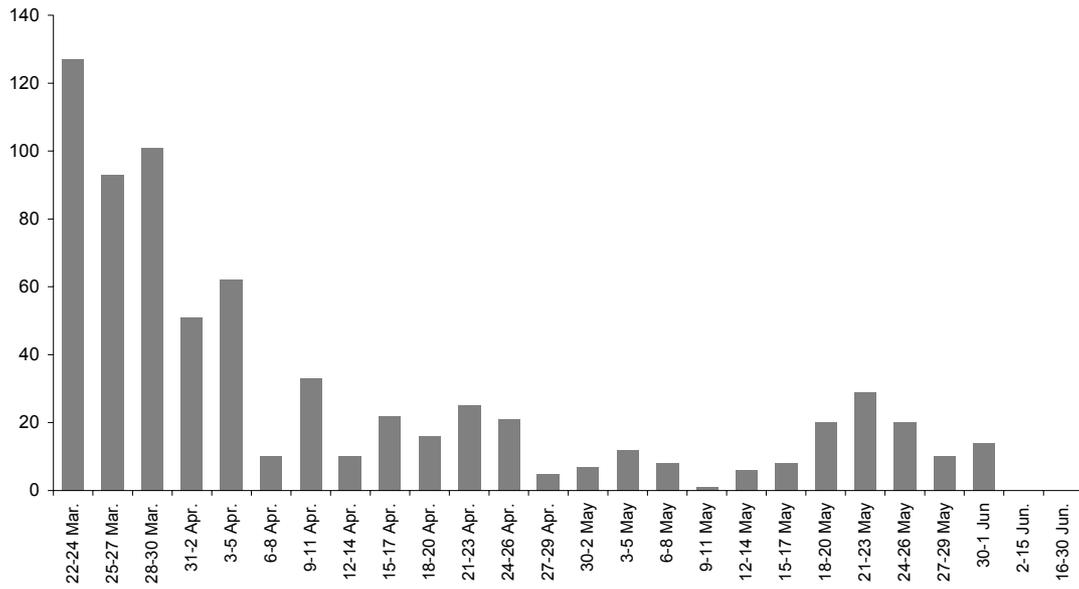


Figure 35. Counts of Red-necked Stint at Mai Po Inner Deep Bay Ramsar Site, spring 2008

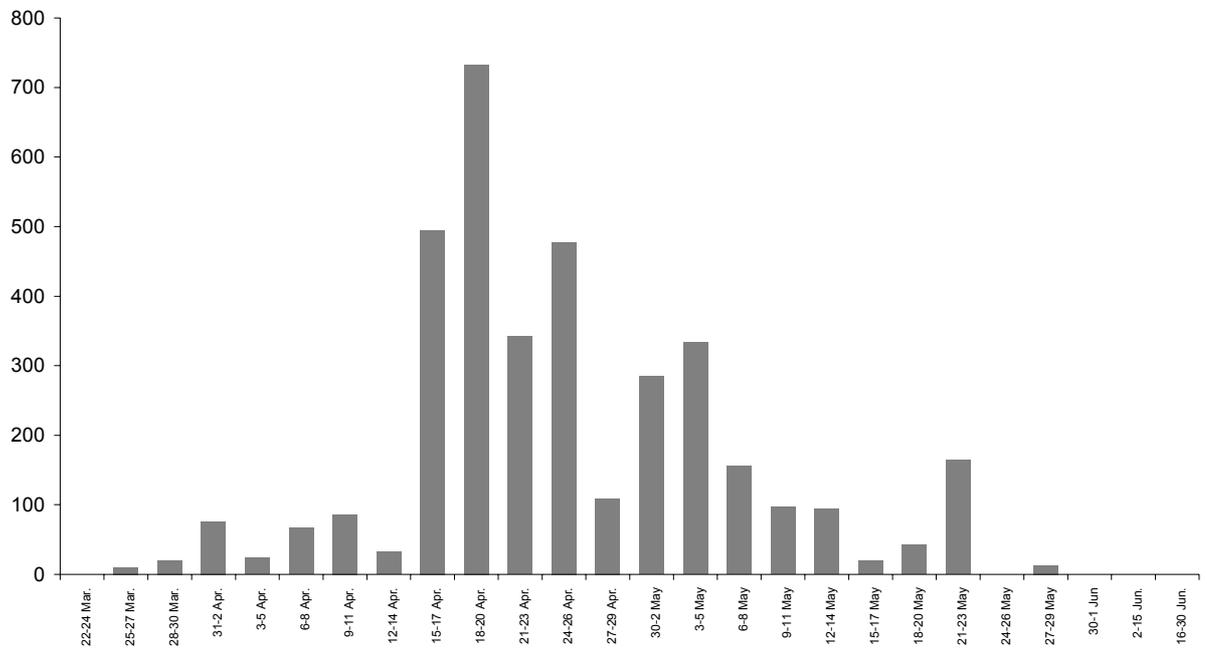


Figure 36. Counts of Sharp-tailed Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2008

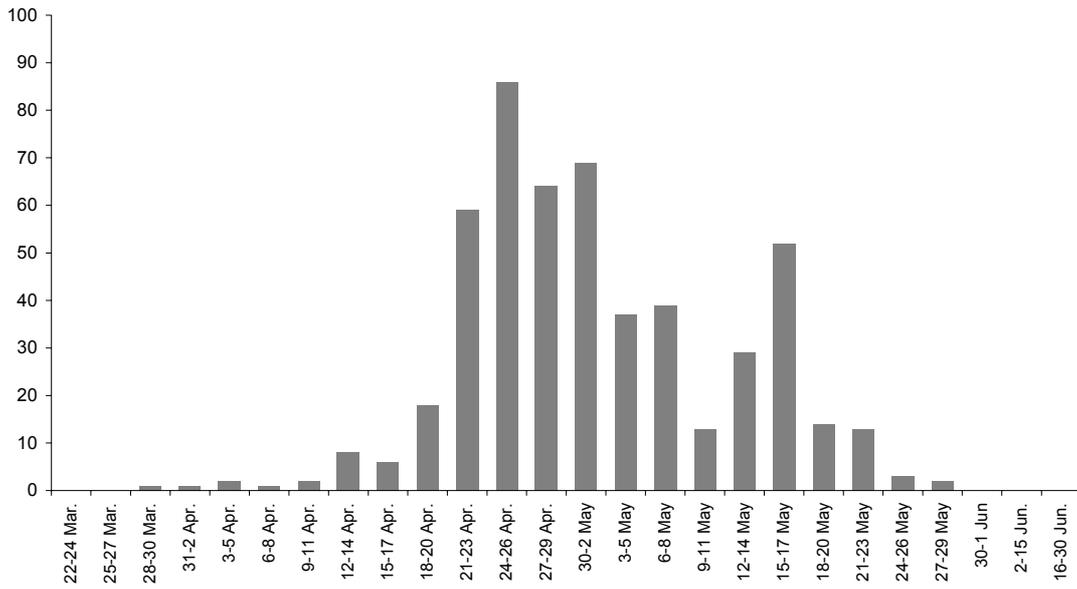


Figure 37. Counts of Curlew Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2008

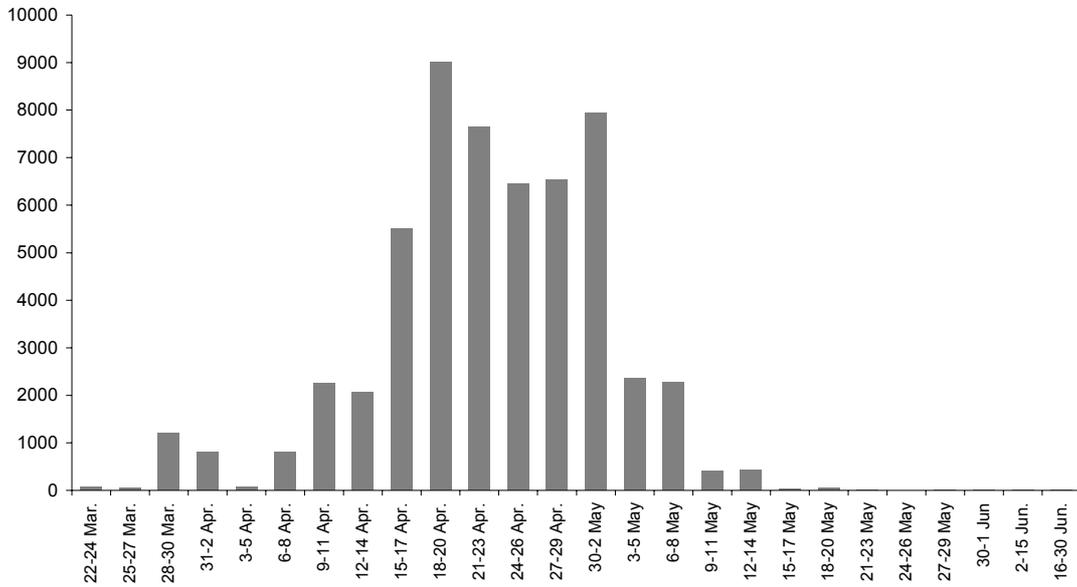
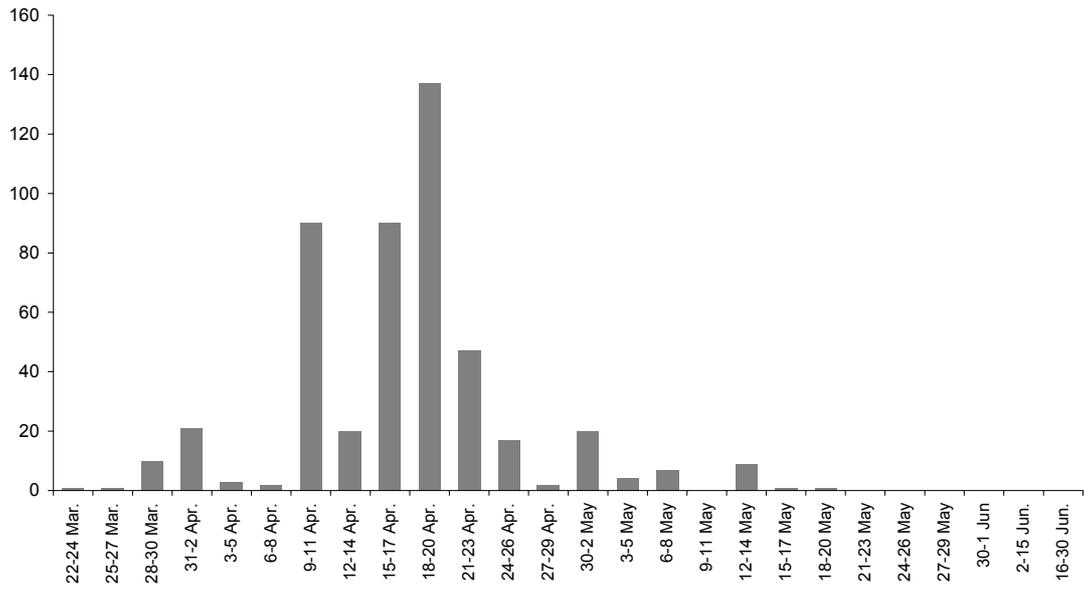


Figure 38. Counts of Broad-billed Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2008



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

## 2007-08 Report

### ***Appendix 4***

Records of leg-flagged shorebirds in autumn 2007 and  
spring 2008



The Hong Kong Bird Watching Society Limited



Agriculture, Fisheries and Conservation Department

## Records of leg-flagged shorebirds in autumn 2007 and spring 2008

Date	Observer	Species	Breeding plumage	Right Leg				Left Leg			
				Colour	Position	Colour	Position	Colour	Position	Colour	Position
23-Mar-07	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below				
23-Mar-07	Yu Yat Tung	Eurasian Curlew	0	White	Above	Yellow	Below				
27-Jul-07	Yu Yat Tung	Common Greenshank	Not observed	White	Above	Yellow	Below				
27-Jul-07	Yu Yat Tung	Common Redshank	Not observed	White	Above	Yellow	Below				
27-Jul-07	Yu Yat Tung	Curlew Sandpiper	75	Orange	Above						
9-Aug-07	Ying Hak King	Common Redshank	Not observed	White	Above	Yellow	Below				
15-Aug-07	Yu Yat Tung	Common Redshank	Not observed	White	Above	Yellow	Below				
25-Aug-07	Yu Yat Tung	Common Redshank	Not observed	White	Above	Yellow	Below				
25-Aug-07	Yu Yat Tung	Common Greenshank	trace	White	Above	Yellow	Below				
25-Aug-07	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below				
25-Aug-07	Yu Yat Tung	Red-necked Stint	trace	Orange	Above						
25-Aug-07	Yu Yat Tung	Red-necked Stint	trace	Orange	Above						
12-Sep-07	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below				
12-Sep-07	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below				
25-Sep-07	Yu Yat Tung	Common Greenshank	Not observed	White	Above	Yellow	Below				
25-Sep-07	Yu Yat Tung	Marsh Sandpiper	Not observed	White	Above	Yellow	Below				
25-Sep-07	Yu Yat Tung	Marsh Sandpiper	Not observed	White	Above	Yellow	Below				
25-Sep-07	Yu Yat Tung	Black-tailed Godwit	Not observed	White	Above	Yellow	Below				
30-Sep-07	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below				
30-Sep-07	Yu Yat Tung	Common Greenshank	Not observed	White	Above	Yellow	Below				
30-Sep-07	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below				
8-Oct-07	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below				
8-Oct-07	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below				
8-Oct-07	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below				

8-Oct-07	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below				
8-Oct-07	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below				
8-Oct-07	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below				
8-Oct-07	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below				
14-Oct-07	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below				
14-Oct-07	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below				
23-Oct-07	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below				
23-Oct-07	Yu Yat Tung	Black-tailed Godwit	0	White	Above	Yellow	Below				
23-Oct-07	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below				
23-Oct-07	Yu Yat Tung	Eurasian Curlew	0	White	Above	Yellow	Below				
23-Oct-07	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below				
23-Oct-07	Yu Yat Tung	Common Greenshank	0	White	Above	Yellow	Below				
28-Oct-07	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below				
28-Oct-07	Yu Yat Tung	Eurasian Curlew	0	White	Above	Yellow	Below				
28-Oct-07	Yu Yat Tung	Grey Plover	0	White	Above	Yellow	Below				
28-Oct-07	Yu Yat Tung	Common Redshank	0	White	Above	Yellow	Below				
28-Oct-07	Yu Yat Tung	Marsh Sandpiper	0	White	Above	Yellow	Below				
29-Mar-08	Yu Yat Tung	Curlew Sandpiper	25	White	Above	Yellow	Below				
29-Mar-08	Yu Yat Tung	Red-necked Stint	25	Yellow	Above						
2-Apr-08	hkwokwai	Terek Sandpiper	Not observed	Black	Above	White	Above	Metal ring	Above		
5-Apr-08	Yu Yat Tung	Marsh Sandpiper	50	White	Above	Yellow	Below				
5-Apr-08	Yu Yat Tung	Marsh Sandpiper	50	White	Above	Yellow	Below				
5-Apr-08	Yu Yat Tung	Marsh Sandpiper	50	White	Above	Yellow	Below				
5-Apr-08	Yu Yat Tung	Terek Sandpiper	100	White	Above	Yellow	Below				
5-Apr-08	Yu Yat Tung	Common Greenshank	50	White	Above	Yellow	Below				
5-Apr-08	Yu Yat Tung	Great Knot	50	Yellow	Above						
9-Apr-08	Yu Yat Tung	Great Knot	50	Yellow	Above						
9-Apr-08	Yu Yat Tung	Great Knot	50	Yellow	Above						
9-Apr-08	Yu Yat Tung	Common Greenshank	50	White	Above	Yellow	Below				

17-Apr-08	Yu Yat Tung	Great Knot	75	Yellow	Above						
17-Apr-08	Yu Yat Tung	Curlew Sandpiper	90	Orange	Above						
17-Apr-08	Yu Yat Tung	Red-necked Stint	25	Yellow	Above						
17-Apr-08	Yu Yat Tung	Red-necked Stint	50	Orange	Above						
18-Apr-08	Yu Yat Tung	Red-necked Stint	trace	Dark	Above						
18-Apr-08	Yu Yat Tung	Red-necked Stint	25	Yellow	Above						
18-Apr-08	Yu Yat Tung	Curlew Sandpiper	100	Yellow	Above	Orange	Below				
18-Apr-08	Yu Yat Tung	Curlew Sandpiper	25	Yellow	Above						
18-Apr-08	Yu Yat Tung	Curlew Sandpiper	90	Orange	Above						
19-Apr-08	Yu Yat Tung	Common Greenshank	Not observed	White	Above	Yellow	Below				
19-Apr-08	Yu Yat Tung	Marsh Sandpiper	Not observed	White	Above	Yellow	Below				
19-Apr-08	Yu Yat Tung	Marsh Sandpiper	Not observed	White	Above	Yellow	Below				
19-Apr-08	mbill	Curlew Sandpiper	50	Yellow	Above			with '2K' (photographed)			
22-Apr-08	Yu Yat Tung	Common Greenshank	Not observed	White	Above	Yellow	Below				
22-Apr-08	Yu Yat Tung	Curlew Sandpiper	100	Orange	Above						
22-Apr-08	Yu Yat Tung	Curlew Sandpiper	100	Yellow	Above						
24-Apr-08	Yu Yat Tung	Terek Sandpiper	100	Yellow	Above						
27-Apr-08	Yu Yat Tung	Red-necked Stint	50	Orange	Above						
27-Apr-08	Yu Yat Tung	Common Greenshank	Not observed	White	Above	Yellow	Below				
27-Apr-08	Yu Yat Tung	Curlew Sandpiper	100	Orange	Above	Yellow	Below				
27-Apr-08	David Melville	Red-necked Stint	Not observed	Orange	Above						
27-Apr-08	David Melville	Red-necked Stint	Not observed	Orange	Above						
27-Apr-08	David Melville	Red-necked Stint	Not observed	Orange	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						

27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Orange	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	Orange	Above						
27-Apr-08	David Melville	Ruddy Turnstone	Not observed	Yellow	Above						
27-Apr-08	David Melville	Curlew Sandpiper	Not observed	White	Above	Yellow	Above				
27-Apr-08	David Melville	Marsh Sandpiper	Not observed	White	Above	Yellow	Above				
29-Apr-08	chonki	Black-tailed Godwit	100	White	Above	Yellow	Below				
30-Apr-08	Yu Yat Tung	Red-necked Stint	50	Orange	Above						
30-Apr-08	Yu Yat Tung	Asian Dowitcher	100	Orange	Above	Black	Below				
5-May-08	Yu Yat Tung	Red-necked Stint	50	Orange	Above						
5-May-08	Yu Yat Tung	Sanderling	75	Orange	Above	Yellow	Below				
7-May-08	Yu Yat Tung	Common Greenshank	100	White	Above	Yellow	Below				
21-May-08	Shirley Lam	Red-necked Stint	Not observed	Red	Above						
21-May-08	Shirley Lam	Red-necked Stint	Not observed	Red	Above						
27-May-08	Shirley Lam	Greater Sand Plover	100	Yellow	Above						
27-May-08	Shirley Lam	Curlew Sandpiper	75	Orange	Above			with illegible inscription			
1-Jun-08	Ying Hak King	Terek Sandpiper	Not observed	Black	Above	White	Above	Metal ring			