

Contract Reference No. AFCD/SQ/8/17/C

**Mai Po Inner Deep Bay Ramsar Site
Waterbird Monitoring Programme
2017 - 2018**

Shorebird Monitoring Report



香港觀鳥會

HONG KONG BIRD WATCHING SOCIETY

Submitted by
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Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2017-18

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TABLE OF CONTENTS

REPORT

1. Introduction	7
2. Methodology	7
3. Results and discussion	9
3.1 Autumn 2017	11
3.2 Winter 2017-18	12
3.3 Spring 2018	12
3.4 Summer 2018	14
3.5 Overview 2017-18	14
3.6 Regionally important populations	15
3.7 Globally threatened species	16
3.8 Re-sightings of leg-flagged shorebirds	18
3.9 Other observations	19
4. Acknowledgements	20
5. References	20

TABLES

Table 1. Minimum number of shorebirds estimated to have used the Mai Po Inner Deep Bay Ramsar Site during the 12-month period from 16 July 2017 to 15 July 2018. ...	9
Table 2. Peak counts of some shorebird species in spring 2012-2018.....	14
Table 3. Counts of shorebird species recorded in the Deep Bay area from July 2017 to July 2018 which were higher than 1% of their flyway or regional population.....	16
Table 4. Annual shorebird aggregates in the past ten years.....	19

MAP

Map 1. Mai Po Marshes Nature Reserve–the site under study in the Shorebird Monitoring Programme, 2017-18.	
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APPENDIX 1

Counts of shorebirds in the Mai Po Inner Deep Bay Ramsar Site in autumn 2017.

APPENDIX 2

Counts of shorebirds in the Mai Po Inner Deep Bay Ramsar Site in winter 2017-18.

APPENDIX 3

Counts of shorebirds in the Mai Po Inner Deep Bay Ramsar Site in spring and summer 2018.

APPENDIX 4

Counts of shorebirds in Hong Kong Wetland Park in spring 2018.

APPENDIX 5

- Figure 1. Total number of shorebirds recorded at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 2. Counts of Black-winged Stilts at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 3. Counts of Pacific Golden Plovers at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 4. Counts of Kentish Plovers at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 5. Counts of Grey Plovers at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 6. Counts of Lesser Sand Plovers at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 7. Counts of Greater Sand Plovers at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 8. Counts of Black-tailed Godwits at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 9. Counts of Bar-tailed Godwits at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 10. Counts of Whimbrels at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 11. Counts of Eurasian Curlews at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 12. Counts of Spotted Redshanks at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 13. Counts of Common Redshanks at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 14. Counts of Marsh Sandpipers at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 15. Counts of Common Greenshanks at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 16. Counts of Wood Sandpipers at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 17. Counts of Great Knots at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 18. Counts of Red Knots at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 19. Counts of Broad-billed Sandpipers at Mai Po Inner Deep Bay Ramsar Site, autumn 2017.
- Figure 20. Total number of shorebirds recorded at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 21. Counts of Pacific Golden Plovers at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 22. Counts of Lesser Sand Plovers at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 23. Counts of Greater Sand Plovers at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 24. Counts of Black-tailed Godwits at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 25. Counts of Spotted Redshanks at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.

- Figure 26. Counts of Common Redshanks at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 27. Counts of Marsh Sandpipers at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 28. Counts of Common Greenshanks at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 29. Counts of Terek Sandpipers at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 30. Counts of Grey-tailed Tattlers at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 31. Counts of Ruddy Turnstones at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 32. Counts of Asian Dowitchers at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 33. Counts of Red Knots at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 34. Counts of Great Knots at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 35. Counts of Red-necked Stints at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 36. Counts of Sharp-tailed Sandpipers at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 37. Counts of Curlew Sandpipers at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.
- Figure 38. Counts of Broad-billed Sandpipers at Mai Po Inner Deep Bay Ramsar Site, spring and summer 2018.

APPENDIX 6

Sighting records of leg-flagged shorebirds in 2017-18.

APPENDIX 7

Leg-flagged shorebirds with sighting records in at least four years from 2011 to 2018.

Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2017-18

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Agriculture, Fisheries and
Conservation Department

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Department

Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2017-18

Shorebird Monitoring Report

1. Introduction

A systematic, long-term monitoring programme of waterbirds in the Mai Po Inner Deep Bay Ramsar Site was commenced in December 1997. Counts of shorebirds (also called waders) in migratory seasons form one part of this programme. The other components are the 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 a subvention from the Agriculture, Fisheries and Conservation Department (AFCD) from December 1997 to March 2004. Since April 2004, the programme has been arranged under service contracts funded by the AFCD. This report focuses on the results of shorebird counts during the migratory seasons from mid-July 2017 to mid-July 2018 under service contract reference number AFCD/SQ/8/17/C.

2. Methodology

Migratory shorebirds visit the Deep Bay area during autumn and spring, and some of them stay through the winter. The purpose of this study was to monitor the changes in abundance and species of migratory shorebirds in the Mai Po Inner Deep Bay Ramsar Site throughout the year. The shorebird counts were conducted more frequently during the peak periods of passage migration (i.e. from late March to late May and from the second-half of July to late October). From November to February, the shorebird counts were carried out once a month, and the results obtained in the monthly waterbird counts in the mid-winter period (i.e. from December to February) were also incorporated into this report whenever the monthly figures of the Deep Bay area were higher. In summer from June to mid-July, counts were conducted once every two weeks. The annual schedule of shorebird counts under this Shorebird Monitoring Programme was planned as follows:

- Autumn: from 16 July 2017 to 3 November 2017 - once a week;
- Winter: from mid-November 2017 to mid-February 2018 - once a month;
- Spring: from 22 March 2018 to 1 June 2018 - once every three days; and
- Summer: from 2 June 2018 to 15 July 2018 - once every two weeks.

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

- Counting started from the boardwalk hide(s) on a rising tide at a tidal height of around 1.5m (in winter months) or 1.8m (in spring and autumn months).
- At high tides, when the mudflats were submerged, roosting birds in the MPMNR were counted.
- When the high tide during daytime was lower than 2.2m in spring and autumn, a synchronized count was conducted from both the boardwalk hide and in the MPMNR.
- Birds were counted from the boardwalk hide(s) on a falling tide until an accurate count was no longer possible due to the distance from the surveyor.

In spring 2018, shorebird count was also conducted simultaneously at the Hong Kong Wetland Park (HKWP) because some shorebirds were found roosting in the park during the high tide period in spring and their numbers could exceed 3,000 (Anon. 2016). This shorebird count data was provided by the Reserve Section of HKWP and all these count figures were added to the Mai Po data because the counts of these two places took place at the same time. This will provide the most comprehensive figures of the spring passage shorebirds for the waterbird monitoring programme at the Mai Po Inner Deep Bay Ramsar Site.

The equipment used included a pair of 7x to 10x binoculars and a telescope with wide angle or 20-60x eyepieces, mounted on a tripod. The shorebird counts at the *gei wais* and mudflats of MPMNR were conducted by HKBWS-accredited waterbird surveyors with experience in shorebird counting and identification. All shorebirds sighted in the survey sites were identified to species level. When leg-flagged shorebirds were observed, their details, including species, age and/or the extent of breeding plumage, and the colour and position of the flag were recorded. The information was then checked to determine the shorebirds' migration route or origin.

3. Results and discussion

The results of the shorebird counts are presented in detail in Appendices 1, 2 and 3. The counts of selected species are plotted on graphs from Figure 1 to 19 for Autumn 2017 and from Figure 20 to 38 for Spring 2018 (Appendix 5). The order of the shorebird names follows the list of Hong Kong birds (HKBWS 2018), same as the list used for the report in previous year (Anon 2017).

To make an attempt in estimating the total number of shorebirds that utilised the Mai Po Inner Deep Bay Ramsar Site during the 12-month period from 16 July 2017 to 15 July 2018 (including Hong Kong Wetland Park in spring), the peak counts in autumn, winter and spring of each positively identified shorebird species were added together to obtain the aggregate number (Table 1). In summer (2 June to 15 July), as most birds were either spring migrants which left late or autumn migrants of the subsequent season which arrived early, only figures of breeding species in the Deep Bay area, i.e. Greater Painted-snipe *Rostratula benghalensis* and Black-winged Stilt *Himantopus himantopus*, would be taken into consideration. Nevertheless, the summer figures of these two species would only be adopted when they were higher than the spring counts to avoid overestimation, as the birds might have arrived or even started breeding in the spring survey period. As some shorebird species habitually stayed in Deep Bay for a long period, they might have been counted repeatedly in different seasons. Therefore, some counts were excluded from the calculation of the aggregate numbers to avoid overestimate.

Table 1. Minimum number of shorebirds estimated to have used the Mai Po Inner Deep Bay Ramsar Site during the 12-month period from 16 July 2017 to 15 July 2018. ('autumn', 'winter' and 'spring' figures include only the peak counts of passage and wintering flocks of each species.)

Year	2017	2017-18	2018	2017-18	2016-17	2015-16	2014-15	2013-14
Species	autumn	winter	spring	Minimum	Minimum	Minimum	Minimum	Minimum
Pheasant-tailed Jacana <i>Hydrophasianus chirurgus</i>	1	1	0	2	3	0	2	1
Greater Painted-snipe <i>Rostratula benghalensis</i>	0	0	1	4 ^e	0	4	14	1
Black-winged Stilt <i>Himantopus himantopus</i>	158	423 [#]	55	636	580	274	634	466
Pied Avocet <i>Recurvirostra avosetta</i>	54 ^b	7,470	2930 ^a	7,524	5,031	9,275	10,957	11,794
Oriental Pratincole <i>Glareola maldivarum</i>	0	0	9	9	13	15	7	3
Northern Lapwing <i>Vanellus vanellus</i>	1	1	0	2	0	0	2	1
Grey-headed Lapwing <i>V. cinereus</i>	2	6	0	8	19	2	10	14
Pacific Golden Plover <i>Pluvialis fulva</i>	43 ^b	486	196	725	1,056	893	868	676

Year	2017	2017-18	2018	2017-18	2016-17	2015-16	2014-15	2013-14
Species	autumn	winter	spring	Minimum	Minimum	Minimum	Minimum	Minimum
Grey Plover <i>P. squatarola</i>	53	822	194 ^a	875	733	588	599	848
Common Ringed Plover <i>Charadrius hiaticula</i>	0	0	0	0	0	0	0	0
Little Ringed Plover <i>C. dubius</i>	6	94	19	119	164	30	102	77
Kentish Plover <i>C. alexandrinus</i>	483	1,568 [#]	107 ^a	2,051	1,097	1,509	1,212	564
Lesser Sand Plover <i>C. mongolus</i>	5	1 [#]	73	79	45	89	128	66
Greater Sand Plover <i>C. leschenaultii</i>	518	11 [#]	437	966	798	629	851	634
Oriental Plover <i>C. veredus</i>	0	0	0	0	0	0	0	0
Black-tailed Godwit <i>Limosa limosa</i>	239	1,300	1,573	3,112	2,903	2,656	2,343	2,163
Bar-tailed Godwit <i>Limosa lapponica</i>	5	7 [#]	12	24	65	23	237	95
Little Curlew <i>Numenius minutus</i>	0	0	1	1	0	0	1	0
Whimbrel <i>Numenius phaeopus</i>	108	151	66	325	196	318	258	287
Eurasian Curlew <i>N. arquata</i>	139	1,341	287 ^a	1,480	1,542	1,222	1,005	1,297
Far Eastern Curlew <i>N. madagascariensis</i>	3	2 [#]	5	10	8	6	7	6
Spotted Redshank <i>Tringa erythropus</i>	9	52	155	216	328	269	143	355
Common Redshank <i>T. totanus</i>	1,029	992	796	2,817	2,721	2,270	1,875	1,291
Marsh Sandpiper <i>T. stagnatilis</i>	580 ^b	1,134 [#]	1,198	2,912	2,020	2,953	2,630	2,413
Common Greenshank <i>T. nebularia</i>	665	621	600	1,886	1,578	2,144	1,846	1,558
Nordmann's Greenshank <i>T. guttifer</i>	1	0	18 ^{c,d}	19	17	49	25	11
Green Sandpiper <i>T. ochropus</i>	3	23	1	27	23	48	30	26
Wood Sandpiper <i>T. glareola</i>	27	60	57	144	134	334	280	109
Terek Sandpiper <i>Xenus cinereus</i>	128	3 [#]	177	308	398	282	408	380
Common Sandpiper <i>Actitis hypoleucos</i>	13	80	9	102	106	51	87	97
Grey-tailed Tattler <i>Tringa brevipes</i>	8	0	55	63	123	45	82	248
Ruddy Turnstone <i>Arenaria interpres</i>	0	0	6	6	5	7	18	7
Red-necked Phalarope <i>Phalaropus lobatus</i>	1	0	4	5	3	2	5	14
Pintail/Swinhoe's Snipe <i>Gallinago stenura/megala</i>	0	3	0	3	4	2	4	1
Common Snipe <i>Gallinago gallinago</i>	2	18	1	21	16	7	37	21
Long-billed Dowitcher <i>Limnodromus scolopaceus</i>	1	0	1	2	2	3	2	2
Asian Dowitcher <i>Limnodromus semipalmatus</i>	2	0	52	54	85	95	138	145
Red Knot <i>Calidris canutus</i>	2	8	130	140	25	30	31	119
Great Knot <i>C. tenuirostris</i>	24	45 [#]	132	201	257	410	190	89
Sanderling <i>C. alba</i>	0	0	7	7	2	3	2	3

Year	2017	2017-18	2018	2017-18	2016-17	2015-16	2014-15	2013-14
Species	autumn	winter	spring	Minimum	Minimum	Minimum	Minimum	Minimum
Red-necked Stint <i>C. ruficollis</i>	16	27 [#]	1,702	1,745	1,605	531	942	1,390
Little Stint <i>C. minuta</i>	0	0	4 ^d	4	4	2	2	4
Temminck's Stint <i>C. temminckii</i>	0	30	4	34	11	15	16	14
Long-toed Stint <i>C. subminuta</i>	0	1	42	43	8	12	28	9
Pectoral Sandpiper <i>C. melanotos</i>	0	0	0	0	0	0	2	1
Sharp-tailed Sandpiper <i>C. acuminata</i>	1	0	131	132	39	24	99	180
Dunlin <i>C. alpina</i>	137	5,720	0	5,857	4,301	3,952	1,724	4,195
Curlew Sandpiper <i>C. ferruginea</i>	2	1	5,679	5,682	5,130	7,653	5,654	5,775
Spoon-billed Sandpiper <i>C. pygmeus</i>	0	0	2 ^d	2	1	1	3	0
Broad-billed Sandpiper <i>C. falcinellus</i>	4	1 [#]	168	173	121	72	105	107
Ruff <i>C. pugnax</i>	1	0	1	2	1	2	2	3
<i>Tringa</i> spp.	0	0	0	0	0	0	0	0
Small wader spp. (mainly Dunlin or Kentish Plover)	0	0	0	0	799	0	0	0
Snipe spp.	0	0	0	0	0	0	0	0
NUMBER OF SPECIES PRESENT	38	34	43	48	45	45	49	47
AGGREGATE NUMBER OF ALL SHOREBIRD SPECIES	4,474	22,503	13,579	40,559	34,120	38,801	35,647	37,560

Notes:

- # In mid-winter period of 2017-18, many shorebird species figures were collected from the monthly waterbird count (Anon. 2018) because the figures were higher than that of the shorebird count, except the species with mark #.
- a. The figure of seasonal peak is not used in the calculation of aggregate number because it is likely that the individuals of the species were recorded in another season as they stayed in Deep Bay for a relatively long period. Adding up their seasonal peak numbers is likely to duplicate their actual population.
- b. The figure of seasonal peak is not used in the calculation of aggregate number because it is likely that the individuals were also recorded in another season. However, figure of minor peak is used as those individuals probably belonged to another flock and were not counted in other seasons.
- c. Sum of several peaks within the season which indicated different flocks of individuals.
- d. Numbers of different individuals recognized by plumage details were added up for a total number of the species in that season.
- e. Breeding species with higher count in summer.
- * While the sum of daily peak count of individual species in autumn and spring were 5,123 and 17,082 respectively, only 4,474 and 13,579 were included in the calculation of annual aggregate number of all shorebird species. This is due to adjustments made by (i) the use of supplementary figures from monthly waterbird counts and (ii) the removal of numbers of individuals counted in more than one season and (iii) the addition of several peak counts within a single season.

3.1 Autumn 2017

The shorebird numbers started with a low count of 32 individuals in mid-July. It

was followed by a relatively high count in late July with a total of 1,986 individuals, which included passage flocks of 844 Common Redshanks and 518 Greater Sand Plover. The number dropped to the level of 300 to 750 individuals until mid-September. Shorebirds arrived and their number rose to over 2,000 individuals in the third week of September. The peak autumn count was finally recorded at 2,219 individuals of 26 species on 22 October. These would involve some wintering individuals in the Deep Bay area. This peak autumn count showed a decrease of 46% from that of the previous year (i.e. 4,127 individuals of 19 species). During autumn 2017, a total of 38 species of shorebird were recorded.

The aggregate number of all shorebird species in autumn 2017 was 4,474 individuals of 38 species (Table 1), having a significant increase of 32% from that of the previous year (i.e. 3,377 individuals of 38 species). The three most numerous shorebird species were the Common Redshank (1,029 individuals), Common Greenshank (665 individuals) and Marsh Sandpiper (580 individuals). The high number of Common Redshank and Common Greenshank in the early autumn could refer to passage individuals (Figure 13 & 14). While high numbers of Marsh Sandpiper was recorded in the end of October and these could involve some wintering individuals (Figures 15).

Other shorebirds such as Greater Sand Plover and Whimbrel also had peak counts in the early autumn (See Figures 7 and 10). Many of them did stop-over in the Deep Bay area to feed and rest before continuing their southward migration to their wintering grounds in Australia. Details of the shorebird counts conducted in autumn 2017 are provided in Figures 1 to 19.

3.2 Winter 2017-18

The shorebird counts were conducted in the winter period from mid-November 2017 to mid-February 2018. To enhance the accuracy, information collected in the monthly waterbird counts during mid-winter was also included in the analysis. During this period, the aggregate number of shorebird was 22,503 birds with 34 species (Table 1), having an increase of 27% from that of the previous year (i.e. 17,732 birds in winter 2016-17 of 30 species). The three most abundant species recorded in winter 2017-18 were Pied Avocet (7,740 individuals), Dunlin (5,720 individuals) and Kentish Plover (1,568 individuals).

3.3 Spring 2018

The spring shorebird count started on 22 March and recorded a total of 5,275 individuals. The first wave of passage shorebirds with a peak of 6,036 individuals was

recorded on 31 March and the number then dropped significantly to 4,374 birds by the 1st week of April. The count then rose again and reached 11,178 individuals (of 34 species) on 13 April, which was the highest count in this spring, followed by the 3rd peak of 11,002 individuals on 21 April. The spring peak count saw an increase of 12% from that of last spring (i.e. 9,981 birds of 29 species). After that the shorebird number decreased towards May. Most of the counts were around a level of 6,000 to 9,000 birds in April and there were fewer than 1,000 individuals after mid-May. Figure 20 shows the numbers of shorebirds in spring 2018.

Same as previous years, Curlew Sandpiper was the most abundant shorebird recorded in this spring. Its peak count was 5,679 individuals on 16 April, constituting 42% of the spring aggregate number (i.e. 13,579 individuals, Table 1 and 2, Figure 37). The figure was 11% higher than that of previous year (5,127 individuals on 10 April 2017). Most of the Curlew Sandpipers were recorded in April and their numbers were low after late April. The second and the third most abundant shorebird species in spring 2018 were Red-necked Stint (1,702 individuals on 28 April) and Black-tailed Godwit (1,573 individuals on 9 April).

Table 2 shows peak numbers of several shorebird species recorded in spring 2012-2018. It shows fluctuations in numbers and no clear short-term trend could be identified. All these species have wintering population in Australia and individuals of this population pass through Deep Bay in spring. Their numbers, arrival dates and length of stay in Deep Bay vary every spring because their strategy of migration depends on the weather and body condition of the birds. In general, eight of these twelve species (i.e. Lesser Sand Plover, Nordmann's Greenshank, Ruddy Turnstone, Red Knot, Red-necked Stint, Long-toed Stint, Sharp-tailed Sandpiper and Curlew Sandpiper) had higher peak counts than those of the previous year while four species (i.e. Pacific Golden Plover, Bar-tailed Godwit, Grey-tailed Tattler and Great Knot) had lower peak numbers. The aggregate number of shorebirds in spring 2018 was 4% higher than that of 2017. Details of the shorebird count conducted in spring 2018 are provided in Figure 21 to 38.

Table 2. Peak counts of some shorebird species in spring 2012-2018.

Species	2018	2017	2016	2015	2014	2013	2012
Pacific Golden Plover <i>Pluvialis fulva</i>	196	203	405	476	221	94	245
Lesser Sand Plover <i>Charadrius mongolus</i>	73	41	82	122	37	64	14
Bar-tailed Godwit <i>Limosa lapponica</i>	12	25	8	227	34	117	20
Nordmann's Greenshank <i>Tringa guttifer</i>	18	16	47	24	10	22	34
Grey-tailed Tattler <i>Tringa brevipes</i>	55	119	36	63	239	17	13
Ruddy Turnstone <i>Arenaria interpres</i>	6	4	6	17	7	7	5
Red Knot <i>Calidris canutus</i>	130	16	27	26	96	76	5
Great Knot <i>Calidris tenuirostris</i>	132	230	278	122	70	94	106
Red-necked Stint <i>C. ruficollis</i>	1,702	1,590	522	906	1,330	1,770	300
Long-toed Stint <i>C. subminuta</i>	42	6	12	25	5	5	6
Sharp-tailed Sandpiper <i>C. acuminata</i>	131	39	22	96	179	197	15
Curlew Sandpiper <i>C. ferruginea</i>	5,679	5,127	7,631	5,606	5,760	5,440	6,147
Aggregate number of all shorebird species recorded in spring	13,579	13,011	15,077	13,269	12,580	13,280	11,185

3.4 Summer 2018

Many shorebirds had left the Deep Bay area in the course of May, so the surveys in summer months (i.e. June and July) usually recorded with low numbers of shorebird. There were only 310 birds on 5 June, 158 birds on 19 June and 447 birds on 4 July 2018. These figures were high compared to the corresponding figures in the previous year (138, 39 and 32 individuals in summer 2017). There were breeding records of Black-winged Stilt and Greater Painted-snipe found in the *gei wai* area, with a total of 37 nests (from WWF-HK) and 24 chicks of Black-winged Stilt and three chicks of Greater Painted-snipe found. In addition, three nests of Oriental Pratincole and a nest of Little Ringed Plover were recorded in the summer period. During summer 2018, the peak count of Black-winged Stilt was 41 individuals and that of Greater Painted-snipe was 4 individuals. The highest number of all shorebird species was 269 Greater Sand Plover on 4 July, which can be considered as autumn migrants.

3.5 Overview 2017-18

The aggregate number of all shorebird species estimated to have used the Ramsar Site in 2017-18, shown in Table 1, was 40,559 individuals, a moderate increase of 19%

from that of 2016-17 (34,120 individuals). The aggregate number in winter constituted the largest proportion (55%) of the 2017-18 aggregate. The sum of autumn and spring aggregates was 18,053 individuals, having significant increase of 10% from the same figure of the previous year (16,388 individuals in 2016-17). The 10 most numerous shorebird species recorded in the 12-month period from July 2017 to June 2018, in descending order, were: Pied Avocet (7,524 individuals, 19% of aggregate number of all species), Dunlin (5,857 individuals, 14%), Curlew Sandpiper (5,682 individuals, 14%), Black-tailed Godwit (3,112 individuals, 7.7%), Marsh Sandpiper (2,912 individuals, 7.2%), Common Redshank (2,817 individuals, 6.9%), Kentish Plover (2,051 individuals, 5.1%), Common Greenshank (1,886 individuals, 4.7%), Red-necked Stint (1,745 individuals, 4.3%) and Eurasian Curlew (1,480 individuals, 3.6%).

The peak count on a single day was not a representative figure of the total abundance of shorebird utilising an area, because the turnover of the birds during the passage periods was not taken into account. There was no local study in this aspect, but 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 lay within a range of 3 to 4.5 times the peak daily count of passage shorebirds. By applying this finding to the aggregate of 18,053 observable shorebirds recorded in autumn and spring, it was estimated that the Deep Bay area supported a flow of 54,159 to 82,139 passage shorebirds during the migratory season in 2017-18.

3.6 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 Wetlands International (2018). Table 3 is an extract of migratory shorebirds utilising the Mai Po Inner Deep Bay Ramsar Site during the period from July 2017 to July 2018 of which the numbers exceeded the 1% level of the flyway or regional population.

Table 3. Counts of shorebird species recorded in the Deep Bay area from July 2017 to July 2018 which were higher than 1% of their flyway or regional population.

Species	Flyway/regional population	1% threshold	Number recorded	Percentage
Pied Avocet <i>Recurvirostra avosetta</i>	100,000	1,000	7,524	7.5%
Kentish Plover * <i>Charadrius alexandrinus</i>	100,000	1,000	2,051	2.1%
Greater Sand Plover <i>Charadrius leschenaultii</i>	79,000	790	966	1.2%
Black-tailed Godwit <i>Limosa limosa</i>	139,000	1,400	3,112	2.2%
Eurasian Curlew <i>Numenius arquata</i>	100,000	1,000	1,480	1.5%
Common Redshank <i>Tringa totanus</i>	10,000-100,000	1,000	2,817	2.8%
Common Greenshank <i>Tringa nebularia</i>	100,000	1,000	1,886	1.9%
Nordmann's Greenshank <i>Tringa guttifer</i>	400-600	5	19	3.8%
Curlew Sandpiper <i>Calidris ferruginea</i>	135,000	1,400	5,682	4.1%

* White-faced Plover *Charadrius dealbatus* in Wetlands International (2018)

3.7 Globally threatened species

The following globally threatened and near-threatened species listed in BirdLife International (2018) were recorded from mid-July 2017 to mid-July 2018:

- Northern Lapwing (Near-threatened): A total of two individuals were recorded in 2017-2018. These included one individual in autumn and one in winter. This species was not recorded in the previous year.
- Black-tailed Godwit (Near-threatened): A total of 3,112 individuals were recorded in the 12-month period, including peak counts of 239, 1,300 and 1,573 in autumn, winter and spring periods respectively. This aggregate number was similar to that of previous year (2,903 individuals). The 1% regional population level is set as 1,400 individuals (Wetlands International 2018), hence the Deep Bay area supported 2.2% of the regional population in 2017-18 (Table 3).

- Bar-tailed Godwit (Near-threatened): A total of 24 individuals were recorded in the 12-month period (with peak counts of five birds in autumn, seven in winter and 12 in spring). This aggregate number was only about one-third of the figure of the previous year (i.e. 65 individuals in 2016-17), and this was far lower than the high number of 237 individuals in 2014-15.
- Eurasian Curlew (Near-threatened): This species presented regularly in the Deep Bay area throughout the non-breeding period. An aggregate number of 1,480 individuals this year showed a decrease of 4% from that of the previous year (1,542 individuals). Applying the criterion that 1% of the regional population was 1,000 individuals (Wetlands International 2018), the Deep Bay area supported 1.5% of the regional population in 2017-18 (Table 3).
- Far Eastern Curlew (Endangered): A total of ten individuals were recorded in this 12-month period (three in autumn, two in winter and five in spring). This aggregate number showed a moderate increase of 25% from that of the previous years (eight individuals in 2016-17).
- Nordmann's Greenshank (Endangered): This little-known shorebird has a small and declining world population of 600 to 1,300 mature individuals. A total of 19 individuals (including one in autumn, 12 adults and six with first-summer plumage in spring) were recorded in this 12-month period. This aggregate number is similar to that of the previous year (17 individuals). The 1% population level is set at five individuals. This aggregate number is therefore equivalent to the 3.8% of the world population.
- Grey-tailed Tattler (Near-threatened): This species was listed as Near-threatened since 2014 due to the rapid population decline brought by on-going habitat loss and degradation (BirdLife International 2018). A total of 63 individuals were recorded in this 12-month period, including eight in autumn and 55 in spring (Table 2). This aggregate was half of that of the previous year (123 individuals).
- Asian Dowitcher (Near-threatened): This species has a small world population and is facing threats from pollution and development in the wintering grounds and breeding grounds (BirdLife International 2018). A total of only 54 individuals were recorded in this 12-month period (two in autumn and 52 in spring). This aggregate was 36% lower than that of the previous year (85 individuals).

- Great Knot (Endangered): A total of 201 individuals were recorded in this 12-month period, including 24 individuals in autumn, 45 in winter and 132 in spring. This aggregate number was 22% lower than that of the previous year, (257 individuals).
- Red Knot (Near-threatened): A total of 140 individuals were recorded in 2017-18, including two individuals in autumn, eight in winter and 130 in spring. The aggregate number is 5.6 times of that of the previous year (25 individuals).
- Curlew Sandpiper (Near-threatened): A total of 5,682 individuals were recorded in this 12-month period, including two individuals in autumn, one in winter and 5,679 in spring. This aggregate had an increase of 11% from the figure of the previous year (5,130 individuals). It was the most numerous shorebird recorded in the Deep Bay area during the spring migratory period. The 1% regional population level is set at 1,400 individuals (Wetlands International 2018), hence the Deep Bay area supported 4.1% of the regional population in 2017-18 (Table 3).
- Red-necked Stint (Near-threatened): A total of 1,745 individuals were recorded in this 12-month period, including 16 individuals in autumn, 27 in winter and 1,702 in spring. This aggregate number had an increase of 8.7% from the figure of the previous year (1,605 individuals). This species is now suffering from a reported population decline of 29% over three generations (BirdLife International 2018).
- Spoon-billed Sandpiper (Critically Endangered): This charismatic shorebird is now facing extremely high risk of extinction in near future as it has only a small but rapidly declining population of 240 to 400 mature individuals (BirdLife International 2018). Two were recorded at Mai Po boardwalk on 9-13 and 19-21 April.

3.8 *Re-sightings of leg-flagged shorebirds*

Some migratory shorebirds were fitted with colour flag(s) in different countries or regions for studies on their migration routes. The re-sighting records of these leg-flagged birds were also collected during the shorebird counts to serve as a reference about the flyway and site/habitat preferences of these migratory waterbirds. These re-sighting records included direct observations made by shorebird count surveyors, reports from bird watchers and photographers, and information posted on the HKBWS's website. In this 12-month period, we collected a total of 220 sightings,

having a decrease of 36% from that of the previous year (346 sightings). Among all sighting records, there were a total of 165 sightings (75%) from birds fitted with local Hong Kong leg-flags (white/yellow). The remaining 55 (25%) sightings referred to birds with overseas leg-flags, which included 26 (12%) were originated from North Western Australia and nine (4%) from Victoria of Australia. Other flagged shorebird sightings in the Deep Bay areas also revealed their origins including Bohai Bay, Jiangsu, Chongming Island of Shanghai, Tokyo Bay & Miyagi, Japan, Inner Gulf of Thailand, Tasmania, Taiwan, and two birds from unknown origin.

In terms of species with leg-flags, flagged Common Redshank were recorded in the highest number of re-sightings but all referred to local Hong Kong flagged individuals (47 re-sightings, 21%). The highest numbers of re-sightings of overseas flagged shorebirds were 19 sightings of Curlew Sandpipers (9%) and 14 sightings of Red-necked Stints (6%). Other shorebird species found with overseas leg-flags included Greater Sand Plover, Marsh Sandpiper, Terek Sandpiper, Grey-tailed Tattler, Ruddy Turnstone, Red Knot and Broad-billed Sandpiper. The list of these re-sighted individuals is provided in Appendix 6. Some flagged shorebirds, e.g. Black-tailed Godwits, Common Greenshanks, Common Redshanks and Marsh Sandpipers, have been recorded in at least four years from 2011 to 2018 in the Deep Bay area. The list of these frequently re-sighted individuals is provided in Appendix 7.

3.9 Other observations

Shorebird count had been conducted since 1998, so the data of this count could provide a picture of the long-term shorebird abundance trend. Table 4 shows the annual aggregate numbers in the past ten years and the total of 40,559 individuals recorded in 2017-18. The annual aggregate numbers fluctuated around 40,000 in recent years but showed a general declining trend in the past ten years. The global or regional decline of shorebird population has been noted in other areas along the East Asian-Australasian Flyway (Amano *et. al.* 2010, Clemens *et. al.* 2016), the trend of shorebird abundance in the Deep Bay area just echoed to this global/regional decline of shorebirds.

Table 4. Annual shorebird aggregates in the past ten years.

2017-18	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12	2010-11	2009-10	2008-09
40,559	34,120	38,801	35,647	37,560	41,503	43,687	38,223	53,300	54,457

The Hong Kong Wetland Park (HKWP) has been found with large number of shorebird roosting during the high tide period since 2012. A total of 24 systematic and

synchronous shorebird surveys were conducted from 22 March to 31 May 2018 to provide comparable and supplementary figures to the data collected from the survey at Mai Po Marshes Nature Reserve. The results showed the HKWP was an important roosting site for shorebirds because high number of 1,880 shorebirds were counted on 16 April and there were four other counts with more than 1,000 shorebirds this spring. The highest count of a single shorebird species at HKWP was 929 individuals Curlew Sandpipers on 16 April 2018. Therefore, shorebird surveys at HKWP, particularly during spring, are suggested to continue.

Mudskipper collectors were often found during shorebird counts in spring 2018. They would have caused disturbance to the feeding shorebirds in the mudflat area. Hence, regular patrols from AFCD are important to control the situation. Less aggravation or disturbance to the shorebirds will ensure a more accurate count for this important waterbird monitoring activity.

4. Acknowledgements

We would like to thank members of the HKBWS for providing sighting reports of colour-flagged shorebirds. We are also grateful to the staffs of the Hong Kong Wetland Park to provide data of the survey at the Hong Kong Wetland Park.

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Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2017-18

Shorebird Monitoring Report

Appendix 1

Counts of shorebirds in the Mai Po Inner Deep Bay
Ramsar Site in autumn 2017.



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 2017.

	16-21 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	1	0
Greater Painted-snipe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Black-winged Stilt	10	10	7	21	0	5	18	39	11	104	47	158	66	12	14	58
Pied Avocet	1	1	0	0	0	0	0	0	0	54	0	7	0	9	474	546
Oriental Pratincole	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	1
Grey-headed Lapwing	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0
Pacific Golden Plover	0	0	0	4	0	0	2	23	2	43	13	1	3	0	2	92
Grey Plover	0	0	12	0	3	0	8	0	53	1	1	0	0	22	49	0
Common Ringed Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Little Ringed Plover	0	1	3	0	0	0	0	0	0	0	0	0	0	0	6	2
Kentish Plover	0	0	3	0	0	0	0	0	0	189	483	0	0	27	284	30
Lesser Sand Plover	0	0	2	0	0	0	0	0	0	0	5	0	0	0	0	0
Greater Sand Plover	8	2	518	70	93	0	221	6	16	93	175	0	0	13	21	0
Oriental Plover	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Black-tailed Godwit	0	65	142	83	103	239	141	0	0	0	0	8	0	6	0	0
Bar-tailed Godwit	0	2	4	1	0	1	4	0	5	1	0	0	0	0	0	0
Little Curlew	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	16-21 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
Whimbrel	0	0	18	7	36	108	63	0	95	16	16	2	10	6	2	6
Eurasian Curlew	0	65	66	63	51	9	11	0	103	139	86	82	94	38	97	54
Far Eastern Curlew	0	0	2	0	0	0	0	0	1	3	1	0	0	0	2	0
Spotted Redshank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
Common Redshank	10	1029	844	667	205	135	133	127	311	239	264	79	83	344	217	87
Marsh Sandpiper	0	0	3	0	0	8	0	71	0	568	182	580	56	113	687	315
Common Greenshank	3	217	200	357	94	113	0	41	124	665	276	491	262	452	310	379
Nordmann's Greenshank	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Green Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
Wood Sandpiper	0	6	0	0	0	0	0	0	0	27	0	3	0	1	0	8
Terek Sandpiper	0	0	128	0	16	0	43	7	0	1	2	0	0	0	1	0
Common Sandpiper	0	0	4	0	3	0	2	0	0	1	1	0	0	13	2	0
Grey-tailed Tattler	0	0	8	0	0	0	0	0	3	0	0	0	0	0	0	0
Ruddy Turnstone	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	1	0	0
Pintail/Swinhoe's Snipe	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	2	0
Long-billed Dowitcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Asian Dowitcher	0	0	0	0	0	1	0	0	0	1	0	2	0	0	0	0
Red Knot	0	0	0	0	0	0	2	0	1	2	0	0	0	0	0	0

	16-21 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
Great Knot	0	0	1	0	0	3	6	0	0	4	6	0	0	9	24	0
Sanderling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red-necked Stint	0	0	16	0	6	0	0	0	0	0	14	0	2	2	3	0
Little Stint	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
Long-toed Stint	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pectoral Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sharp-tailed Sandpiper	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Dunlin	0	0	0	0	0	0	2	0	0	0	11	0	0	137	5	12
Curlew Sandpiper	0	0	2	0	0	0	1	0	0	0	0	0	0	1	0	0
Spoon-billed Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Broad-billed Sandpiper	0	0	2	0	0	0	1	0	0	0	4	0	0	0	0	0
Ruff	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Sand Plover sp.	0	0	1	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
Large <i>tringa</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	32	1,398	1,986	1,273	610	622	659	314	725	2,152	1,587	1,413	576	1,208	2,219	1,591

Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2017-18

Shorebird Monitoring Report

Appendix 2

Counts of shorebirds in the Mai Po Inner Deep Bay
Ramsar Site in winter 2017-18.



香港觀鳥會
HONG KONG BIRD WATCHING SOCIETY

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Agriculture, Fisheries and
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Agriculture, Fisheries and Conservation
Department

Counts of shorebirds in the Mai Po Inner Deep Bay Ramsar Site in winter
2017-18.

	10-Nov	14-Dec	16-Jan	15-Feb
Pheasant-tailed Jacana	0	0	0	0
Greater Painted-snipe	0	0	0	0
Black-winged Stilt	43	17	0	8
Pied Avocet	734	2,279	3,741	3,860
Oriental Pratincole	0	0	0	0
Northern Lapwing	0	0	0	0
Grey-headed Lapwing	0	0	0	0
Pacific Golden Plover	0	198	272	332
Grey Plover	457	366	359	653
Common Ringed Plover	0	0	0	0
Little Ringed Plover	0	0	21	12
Kentish Plover	1,314	976	1,243	1,568
Lesser Sand Plover	1	0	0	0
Greater Sand Plover	11	8	7	4
Oriental Plover	0	0	0	0
Black-tailed Godwit	594	524	514	635
Bar-tailed Godwit	7	6	2	2
Little Curlew	0	0	0	0
Whimbrel	2	1	0	0
Eurasian Curlew	168	623	669	1,026
Far Eastern Curlew	2	1	1	0
Spotted Redshank	0	0	0	0
Common Redshank	118	97	138	626
Marsh Sandpiper	47	633	1,134	464
Common Greenshank	569	254	345	341
Nordmann's Greenshank	0	0	0	0
Green Sandpiper	0	0	0	0
Wood Sandpiper	0	0	0	0
Terek Sandpiper	0	0	0	3
Common Sandpiper	6	2	2	7
Grey-tailed Tattler	0	0	0	0
Ruddy Turnstone	0	0	0	0
Red-necked Phalarope	0	0	0	0
Pintail/Swinhoe's Snipe	0	0	0	0
Common Snipe	0	0	0	0
Long-billed Dowitcher	0	0	0	0

	10-Nov	14-Dec	16-Jan	15-Feb
Asian Dowitcher	0	0	0	0
Red Knot	3	0	1	7
Great Knot	39	24	31	45
Sanderling	0	0	0	0
Red-necked Stint	0	0	0	27
Little Stint	0	0	0	0
Temminck's Stint	0	4	7	16
Long-toed Stint	0	0	0	0
Pectoral Sandpiper	0	0	0	0
Sharp-tailed Sandpiper	0	0	0	0
Dunlin	4,130	3,312	3,862	3,952
Curlew Sandpiper	0	0	0	0
Spoon-billed Sandpiper	0	0	0	0
Broad-billed Sandpiper	1	0	0	1
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:	8,246	9,325	12,349	13,589

Peak count of each shorebird species of Shorebird count and Waterbird count, mid-winter period (December to February) 2017-18 (Anon. 2018).

Pheasant-tailed Jacana	1
Greater Painted-snipe	0
Black-winged Stilt	423
Pied Avocet	7,470
Oriental Pratincole	0
Northern Lapwing	1
Grey-headed Lapwing	6
Pacific Golden Plover	486
Grey Plover	822
Common Ringed Plover	0
Little Ringed Plover	94
Kentish Plover	1,568
Lesser Sand Plover	1
Greater Sand Plover	11
Oriental Plover	0
Black-tailed Godwit	1,300

Bar-tailed Godwit	7
Little Curlew	0
Whimbrel	151
Eurasian Curlew	1,341
Far Eastern Curlew	2
Spotted Redshank	52
Common Redshank	992
Marsh Sandpiper	1,134
Common Greenshank	621
Nordmann's Greenshank	0
Green Sandpiper	23
Wood Sandpiper	60
Terek Sandpiper	3
Common Sandpiper	80
Grey-tailed Tattler	0
Ruddy Turnstone	0
Red-necked Phalarope	0
Pintail/Swinhoe's Snipe	3
Common Snipe	18
Long-billed Dowitcher	0
Asian Dowitcher	0
Red Knot	8
Great Knot	45
Sanderling	0
Red-necked Stint	27
Little Stint	0
Temminck's Stint	30
Long-toed Stint	1
Pectoral Sandpiper	0
Sharp-tailed Sandpiper	0
Dunlin	5,720
Curlew Sandpiper	1
Spoon-billed Sandpiper	0
Broad-billed Sandpiper	1
Ruff	0
Sand Plover sp.	0
Wader sp.	0
Large tringa sp.	0
Sub-total:	22,503

Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2017-18

Shorebird Monitoring Report

Appendix 3

Counts of shorebirds in the Mai Po Inner Deep Bay
Ramsar Site in spring and summer 2018.



香港觀鳥會
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Agriculture, Fisheries and
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Agriculture, Fisheries and Conservation
Department

Counts of shorebirds in the Mai Po Inner Deep Bay Ramsar Site in spring and summer 2018.

	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	0	0	0	0	0	0	0	0	0	0
Greater Painted-snipe	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	4	0	0
Black-winged Stilt	0	11	10	22	8	17	33	54	0	29	30	40	30	36	26	39	28	32	29	20	19	19	32	38	38	41	23
Pied Avocet	2930	974	1087	1630	1484	1393	1080	843	0	763	1063	166	824	853	539	428	418	342	264	197	197	186	145	133	177	46	0
Oriental Pratincole	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	9	7	5	6	1
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	1	0	196	149	52	21	13	7	10	108	20	20	0	1	12	2	0	0	0	0	0	0	0	0	0	0	0
Grey Plover	194	123	58	57	10	58	52	46	34	38	11	35	16	4	25	17	13	8	7	6	0	7	6	6	6	4	3
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	16	13	6	1	0	0	0	0	3	0	2	0	1	2	0	1	1	0	0	0	0	1	2	2	2	0
Kentish Plover	12	0	107	24	6	91	21	47	16	0	0	10	4	6	1	3	1	2	2	2	0	0	0	0	0	0	0
Lesser Sand Plover	0	0	21	0	1	38	60	39	30	32	73	48	23	7	13	17	16	3	3	4	1	0	1	1	0	1	12
Greater Sand Plover	1	32	169	19	33	228	226	432	235	83	304	218	39	58	100	61	95	103	62	51	41	0	13	18	21	2	269
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	607	433	643	876	813	426	1573	873	1147	1246	1316	414	756	224	72	31	17	7	2	0	9	1	4	5	1	1	6
Bar-tailed Godwit	1	0	2	2	1	1	1	12	3	8	2	1	0	2	0	0	0	0	0	0	1	0	0	2	0	0	0
Little Curlew	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
Whimbrel	1	1	1	1	0	3	1	3	11	66	17	2	8	19	24	9	3	2	12	11	21	2	22	17	23	2	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
Eurasian Curlew	287	72	62	53	39	19	34	13	20	21	21	4	28	18	7	22	13	19	18	18	19	17	11	18	14	17	19
Far Eastern Curlew	1	2	1	1	1	1	2	1	1	1	2	1	1	3	1	0	5	1	1	1	1	0	0	0	0	0	0
Spotted Redshank	5	11	1	23	0	13	0	33	49	5	15	4	16	5	16	24	23	1	1	0	0	0	0	0	0	0	0
Common Redshank	383	297	22	341	429	123	135	402	162	290	284	232	159	264	205	15	36	43	17	0	10	0	8	0	12	4	78
Marsh Sandpiper	236	449	509	231	114	132	194	383	816	278	236	98	120	13	14	12	4	0	0	0	0	0	0	0	0	0	0
Common Greenshank	142	239	181	177	112	162	248	462	500	302	478	344	501	274	231	177	143	85	62	3	32	27	4	1	7	28	31
Nordmann's Greenshank	0	3	1	1	2	5	2	2	5	1	2	2	6	6	3	2	1	1	0	1	1	0	0	0	0	0	0
Green Sandpiper	0	0	0	1	0	1	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	0	0	0	16	1	0	18	53	39	13	23	4	0	0	0	0	0	0	0	0	0	0	0	1	0
Terek Sandpiper	0	0	15	6	3	25	53	141	78	175	177	90	53	45	111	47	92	48	27	19	2	0	0	0	0	0	1
Common Sandpiper	2	2	5	8	4	1	3	3	6	2	2	3	4	2	4	2	5	1	1	0	0	0	0	0	0	0	3
Grey-tailed Tattler	0	0	0	0	0	0	0	0	1	2	0	0	0	1	6	36	53	5	12	11	6	0	0	0	0	0	0
Ruddy Turnstone	0	0	0	0	0	1	3	3	4	6	6	6	3	3	2	4	2	1	0	0	0	0	0	0	0	0	0
Red-necked Phalarope	0	0	0	0	0	0	0	0	1	0	1	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0
Pintail/Swinhoe's 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
Common Snipe	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Long-billed Dowitcher	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asian Dowitcher	0	0	0	0	0	0	20	24	38	52	38	23	19	9	22	11	6	0	0	0	0	0	0	0	0	0	0
Red Knot	2	0	0	2	0	0	5	8	4	35	1	22	5	7	78	130	3	5	0	1	0	0	0	0	0	0	0
Great Knot	22	18	28	12	28	42	84	132	50	26	2	7	4	7	10	20	9	2	0	13	5	3	4	4	0	1	0
Sanderling	0	0	0	0	0	1	0	1	2	2	2	7	5	3	1	0	2	2	3	2	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
Red-necked Stint	0	1	395	314	212	380	398	1147	429	598	1000	895	1690	516	945	460	867	11	0	23	6	3	4	0	0	1	0
Little Stint	0	0	0	0	0	0	1	1	0	1	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Temminck's Stint	0	0	4	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-toed Stint	0	0	0	0	0	0	0	2	6	11	42	3	8	2	1	1	0	1	0	0	0	0	0	0	0	0	0
Pectoral 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	0
Sharp-tailed Sandpiper	0	0	0	0	0	1	23	12	13	52	29	14	10	24	39	131	62	1	3	6	0	1	1	0	0	0	0
Dunlin	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
Curlew Sandpiper	47	17	2188	1500	26	2480	3338	4893	4750	3624	4800	3602	3202	39	27	62	128	8	8	8	4	0	3	3	0	1	1
Spoon-billed Sandpiper	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Broad-billed Sandpiper	0	0	2	26	0	7	12	5	11	83	168	22	40	8	36	36	24	0	1	0	0	0	0	0	0	0	0
Ruff	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
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	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:	4,874	2,702	5,721	5,482	3,381	5,686	7,617	10,025	8,450	8,001	10,182	6,350	7,598	2,467	2,578	1,800	2,070	735	535	397	375	267	268	255	310	158	447

Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2017-18

Shorebird Monitoring Report

Appendix 4

Figures of counts of shorebird species in Hong Kong
Wetland Park in spring 2018.



香港觀鳥會
HONG KONG BIRD WATCHING SOCIETY

The Hong Kong Bird Watching Society



漁農自然護理署
Agriculture, Fisheries and
Conservation Department

Agriculture, Fisheries and Conservation
Department

Counts of shorebirds in Hong Kong Wetland Park in spring 2018.

Common Name	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
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	0	0
Greater Painted-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
Black-winged Stilt	0	3	4	1	0	20	2	1	1	10	18	0	3	2	6	2	0	0	0	0	0	0	0	0
Pied Avocet	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Oriental Pratincole	0	0	0	0	0	0	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	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
Pacific Golden 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
Grey 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
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
Little Ringed Plover	0	3	0	1	0	0	0	1	1	1	0	1	2	1	1	2	2	2	1	2	0	4		0
Kentish Plover	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesser Sand 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
Greater Sand Plover	0	0	0	0	0	0	0	5	2	1	8	3	14	6	5	2	0	0	0	0	0	0	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
Black-tailed Godwit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bar-tailed Godwit	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 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
Whimbrel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eurasian 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
Far Eastern 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
Spotted Redshank	11	11	10	5	155	42	51	30	9	17	21	22	6	19	23	13	5	0	0	0	0	0	0	0
Common Redshank	68	105	18	26	367	363	276	239	453	470	339	60	455	209	402	188	33	18	1	0	0	0	0	0
Marsh Sandpiper	250	136	52	219	356	621	313	515	382	185	103	21	14	8	36	4	0	0	0	0	0	0	0	0
Common Greenshank	71	66	14	46	96	191	17	16	96	298	91	14	84	77	119	90	26	4	13	1	5	0	0	2
Nordmann's Greenshank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Green Sandpiper	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wood Sandpiper	0	1	3	0	5	5	2	1	1	4	1	1	3	4	1	1	1	0	0	0	0	0	0	0
Terek Sandpiper	0	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0
Common Sandpiper	0	1	0	1	0	1	2	2	1	0	1	2	1	0	1	2	1	0	0	0	0	0	0	0
Grey-tailed Tattler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Ruddy Turnstone	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	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	0	0	0	0	0	0	0	0	0	0
Pintail 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
Swinhoe's 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

Common Name	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
Pintail/Swinhoe's 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
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
Long-billed Dowitcher	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asian Dowitcher	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red Knot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Great Knot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanderling	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red-necked Stint	0	0	0	11	0	0	0	0	0	4	3	0	12	0	12	3	0	0	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	0	0	0	0	0	0	0
Temminck's Stint	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Long-toed Stint	0	0	0	0	0	0	0	0	0	0	0	0	4	2	3	0	0	0	0	0	0	0	0	0
Pectoral 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
Sharp-tailed Sandpiper	0	0	0	0	0	0	0	0	0	4	2	1	1	0	2	0	0	0	0	0	0	0	0	0
Dunlin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Curlew Sandpiper	0	0	2	243	13	67	82	342	929	233	233	435	720	213	213	48	11	0	0	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	0	0	0	0	0	0
Broad-billed 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
Ruff	0	0	0	0	0	0	0	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	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
Large tringa 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
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
Total	401	326	105	554	993	1310	747	1153	1880	1228	820	564	1320	542	825	357	81	24	15	3	5	4	0	2

Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2017-18

Shorebird Monitoring Report

Appendix 5

Figures of counts of shorebird species in Autumn 2017 and Spring 2018.



香港觀鳥會
HONG KONG BIRD WATCHING SOCIETY

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漁農自然護理署
Agriculture, Fisheries and
Conservation Department

Agriculture, Fisheries and Conservation
Department

Figure1. Total number of shorebirds recorded at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

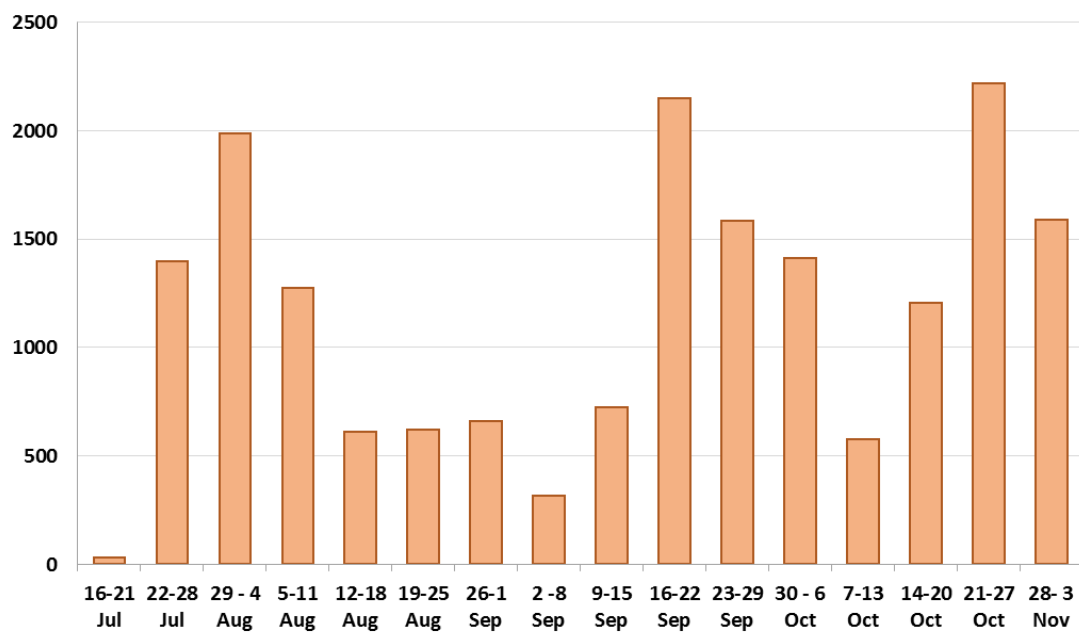


Figure 2. Count of Black-winged Stilt at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

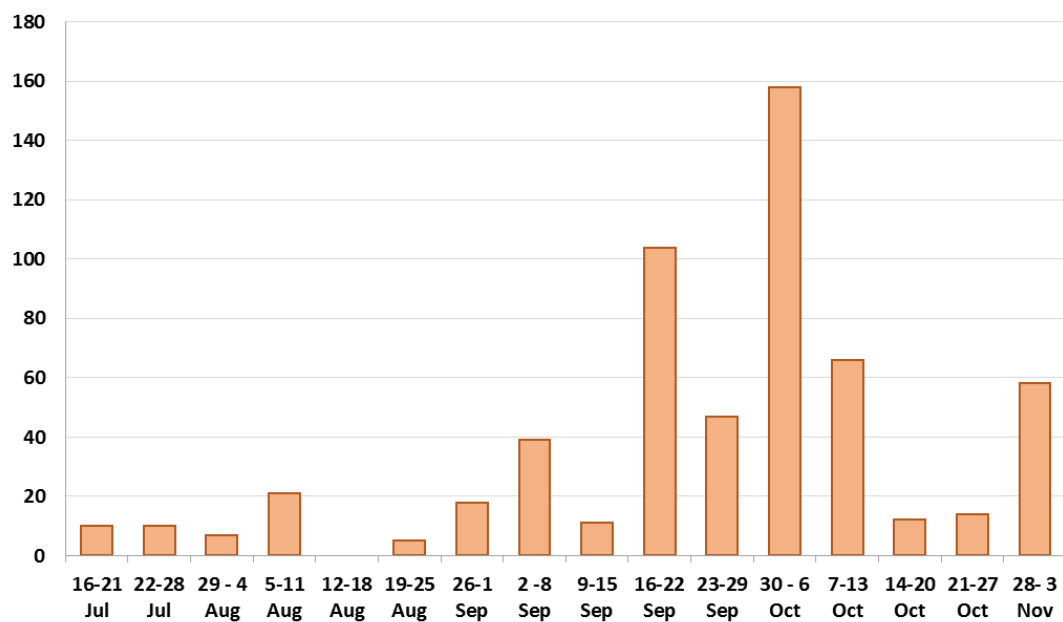


Figure 3. Count of Pacific Golden Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

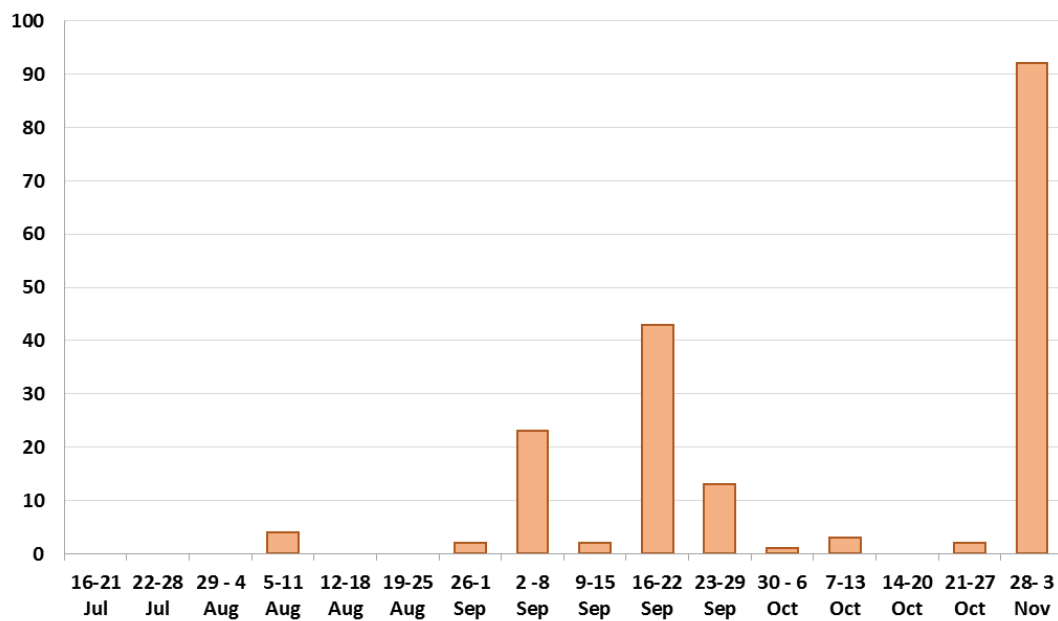


Figure 4. Counts of Kentish Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

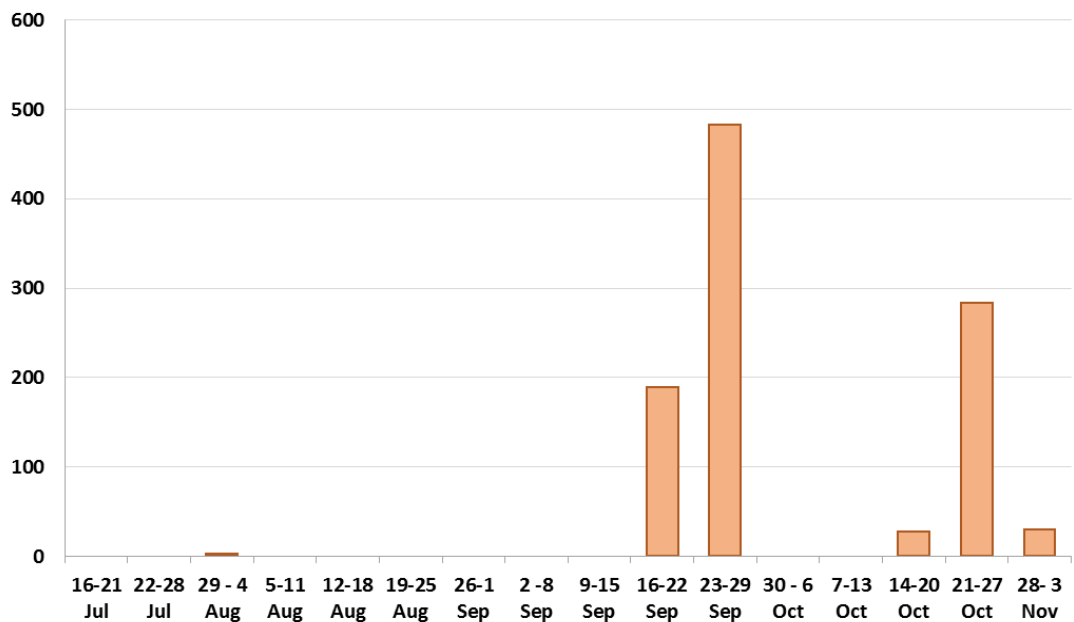


Figure 5. Counts of Grey Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

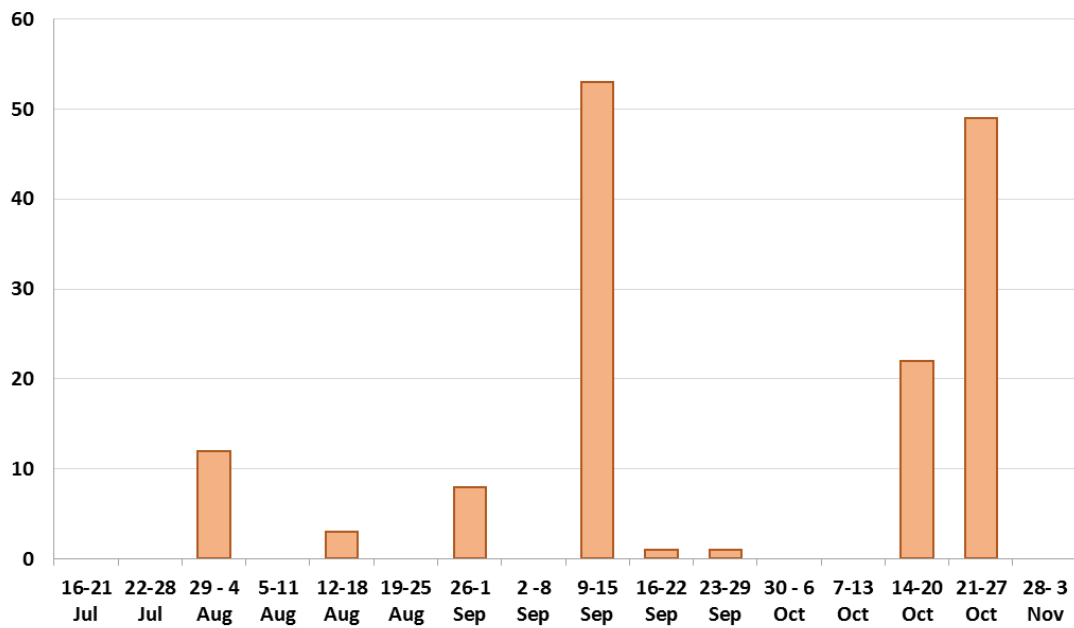


Figure 6. Counts of Lesser Sand Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

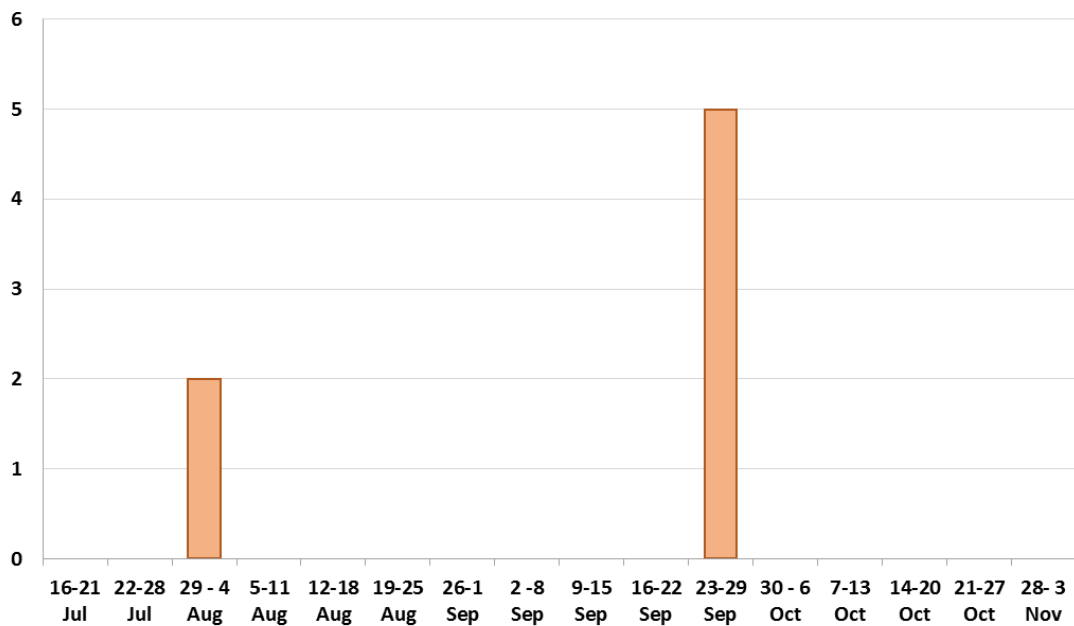


Figure 7. Counts of Greater Sand Plover at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

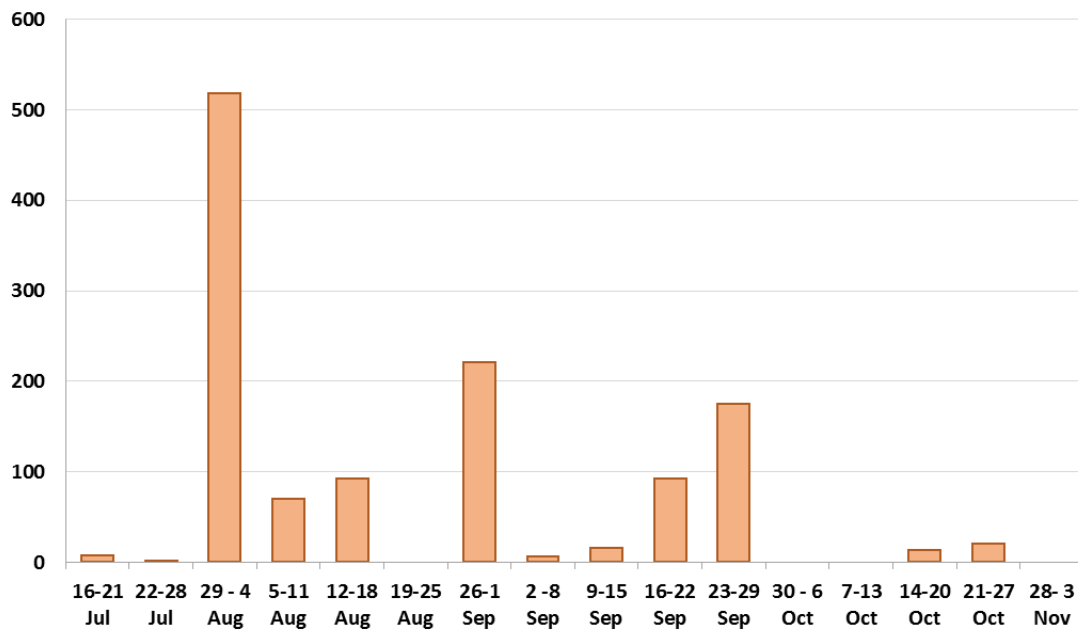


Figure 8. Counts of Black-tailed Godwit at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

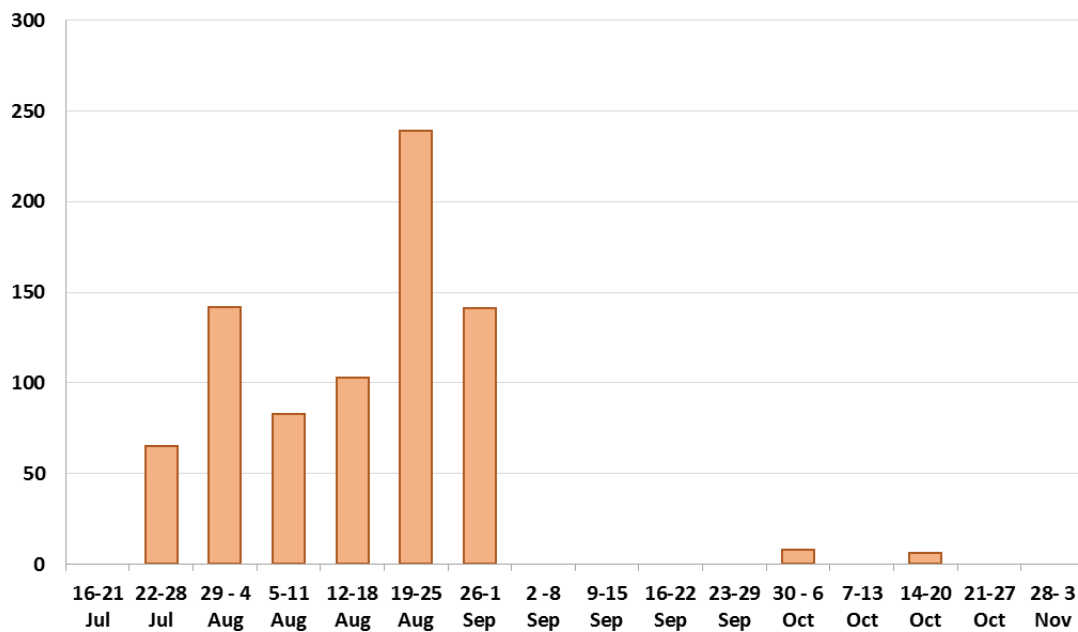


Figure 9. Counts of Bar-tailed Godwit at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

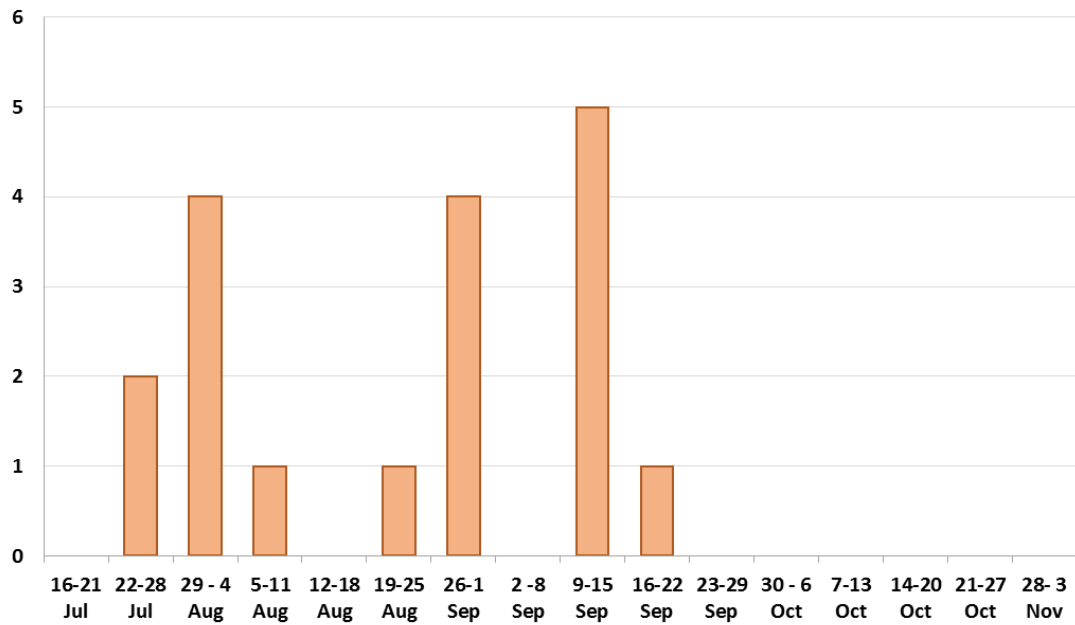


Figure 10. Counts of Whimbrel at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

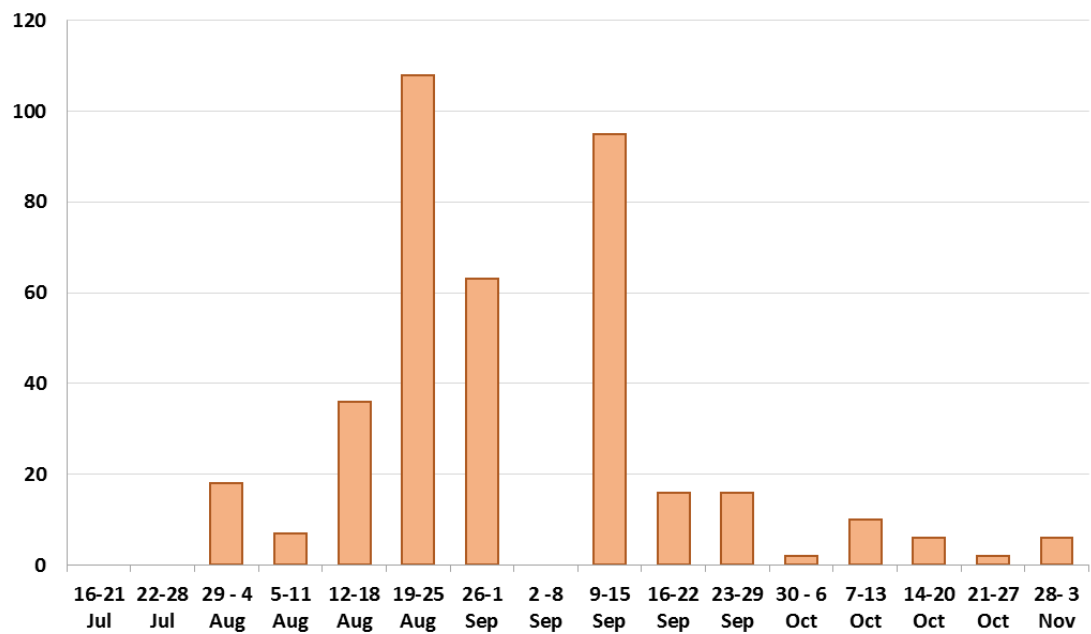


Figure 11. Counts of Eurasian Curlew at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

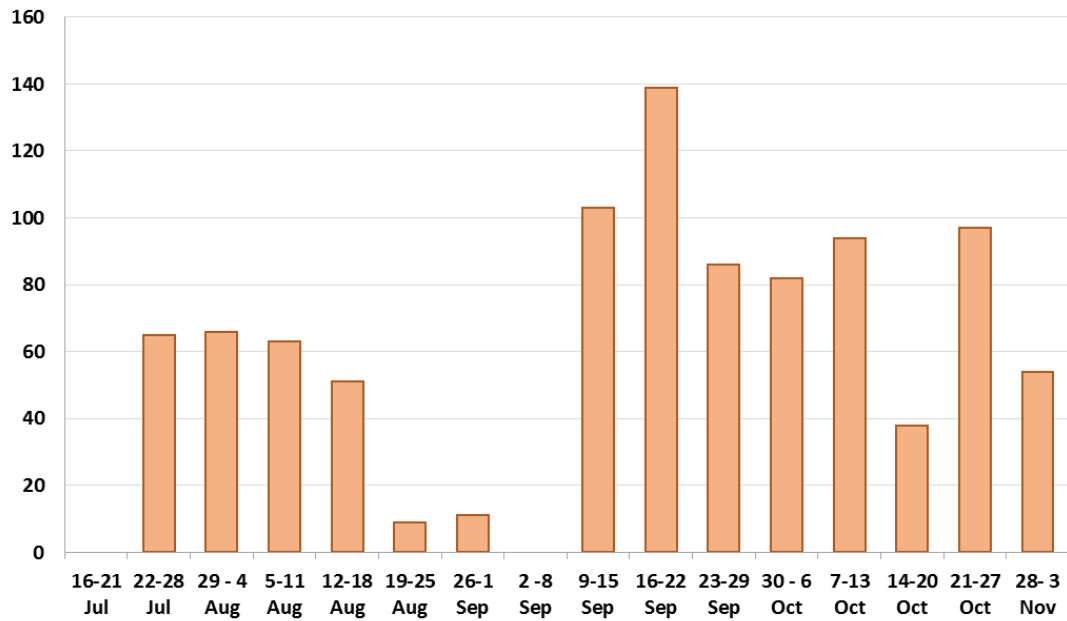


Figure 12. Counts of Spotted Redshank at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

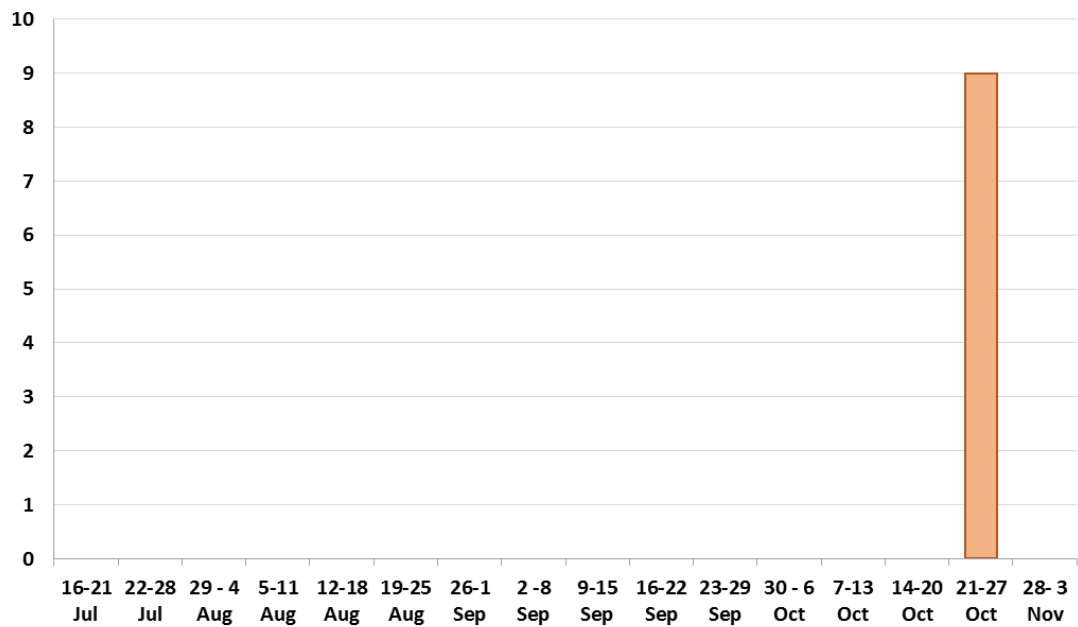


Figure 13. Counts of Common Redshank at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

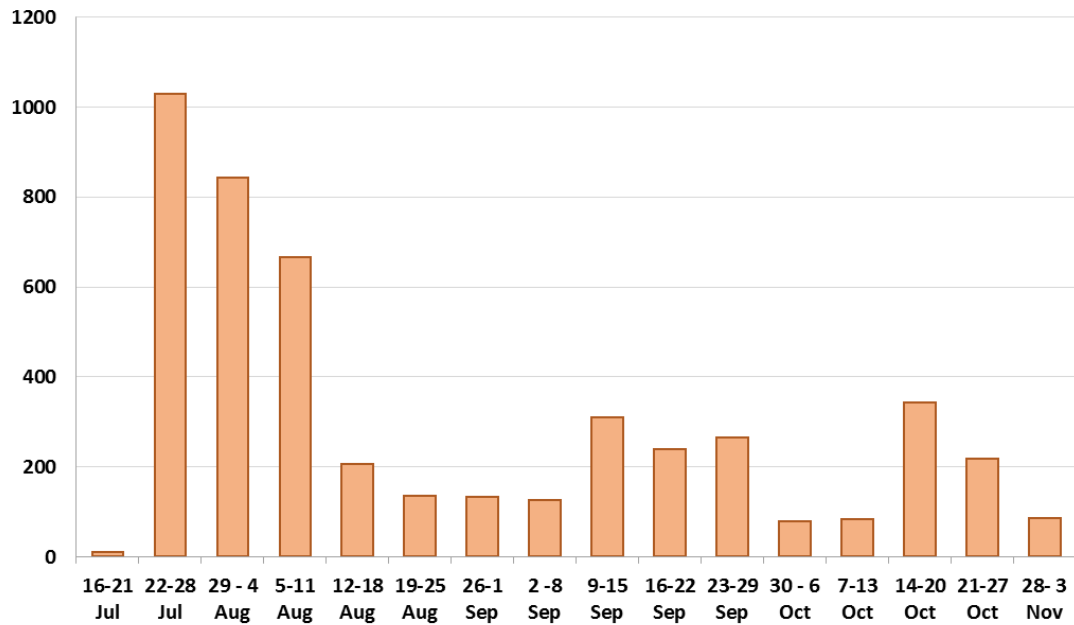


Figure 14. Counts of Marsh Sandpiper at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

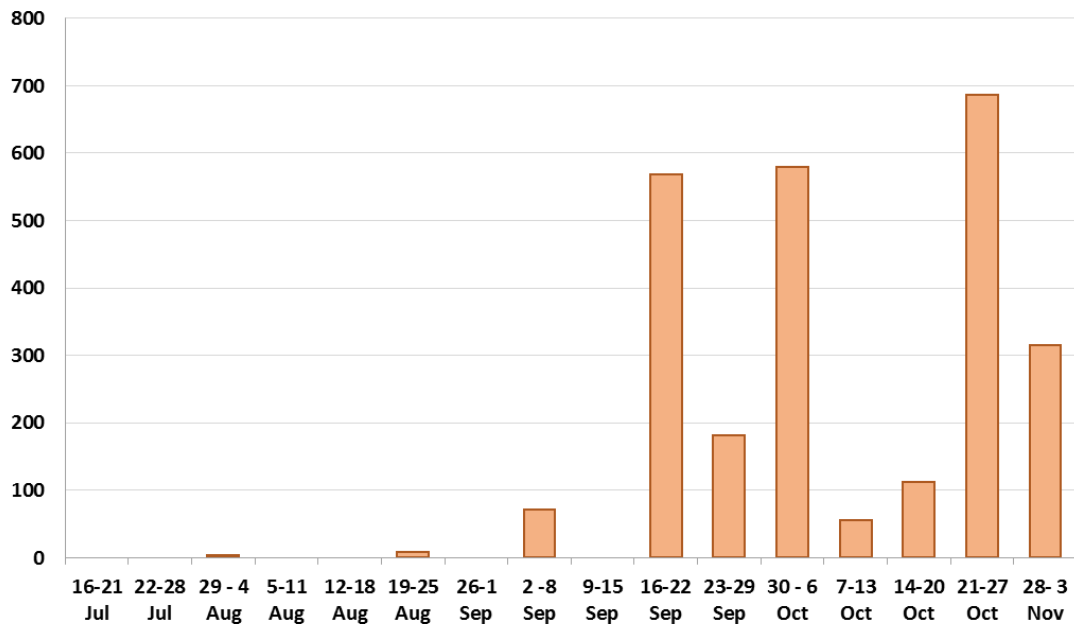


Figure 15. Counts of Common Greenshank at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

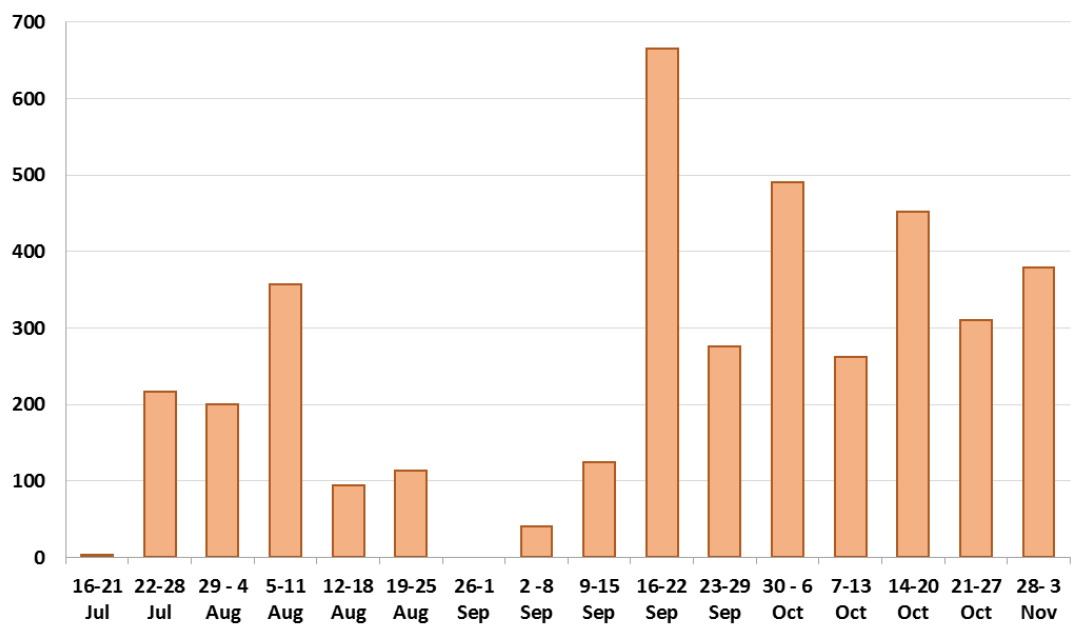


Figure 16. Counts of Wood Sandpiper at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

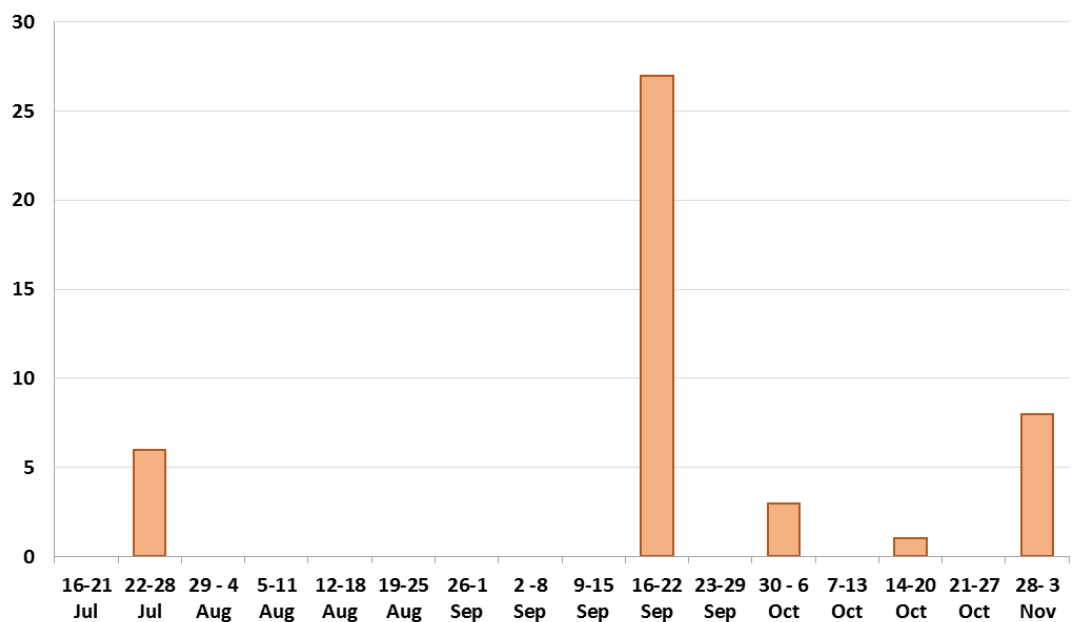


Figure 17. Counts of Great Knot at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

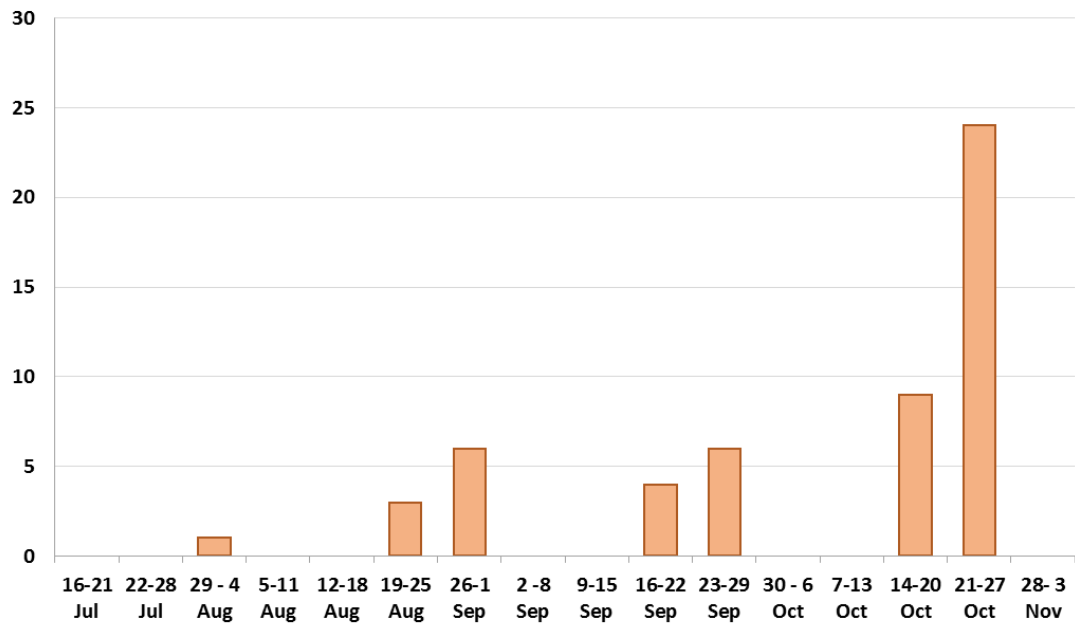


Figure 18. Counts of Red Knot at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

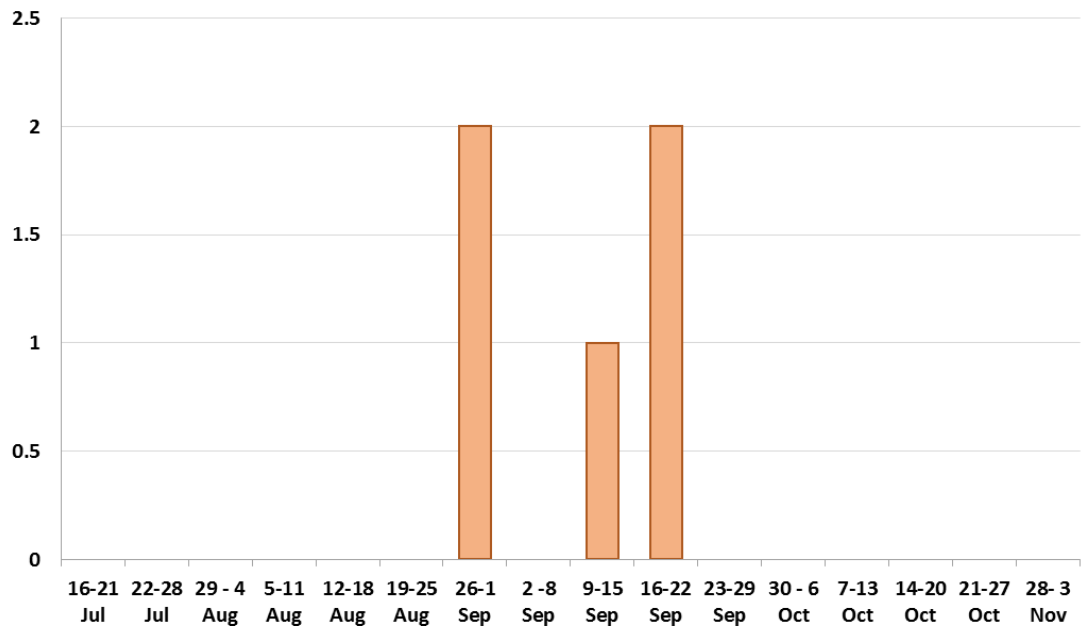


Figure 19. Counts of Broad-billed Sandpiper at Mai Po Inner Deep Bay Ramsar Site, autumn 2017

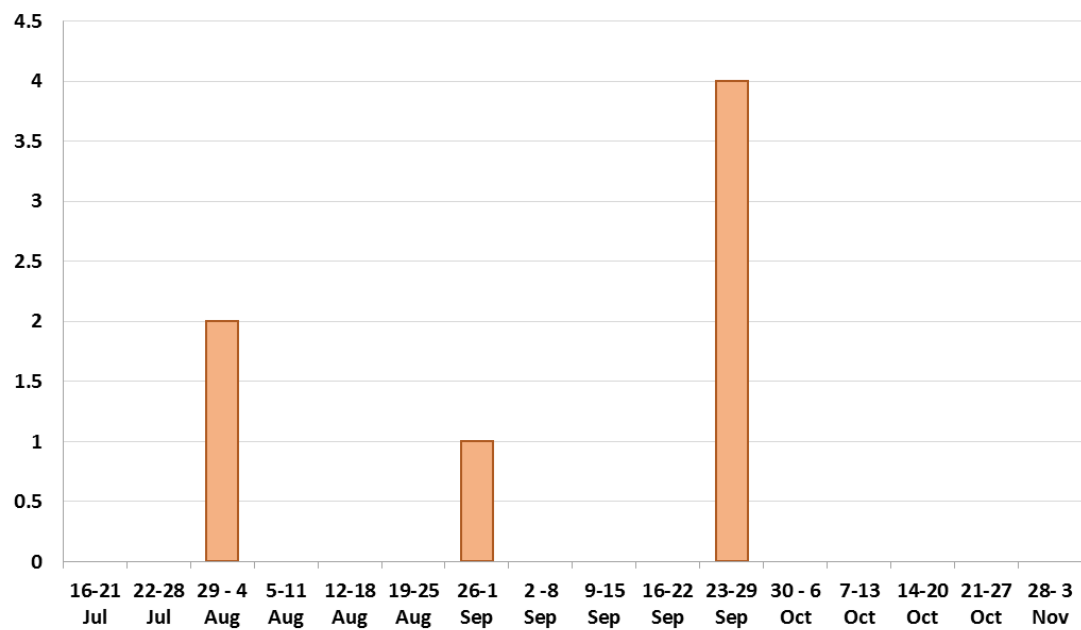


Figure 20. Total number of shorebirds recorded at Mai Po Inner Deep Bay, spring 2018

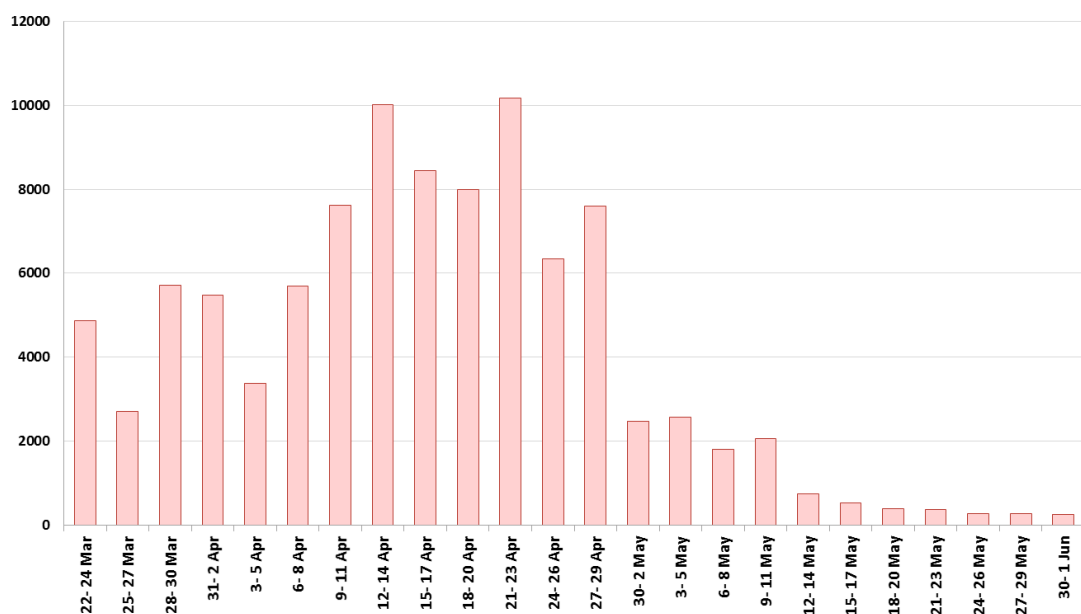


Figure 21. Counts of Pacific Golden Plover at Mai Po Inner Deep Bay Ramsar Site, spring 2018

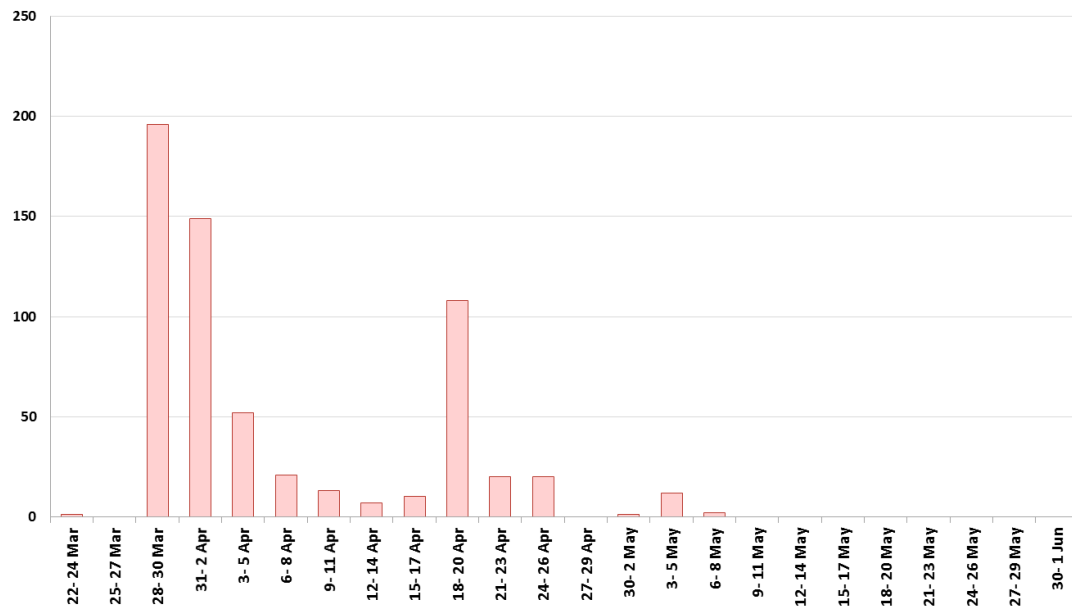


Figure 22. Counts of Lesser Sand Plover at Mai Po Inner Deep Bay Ramsar Site, spring 2018

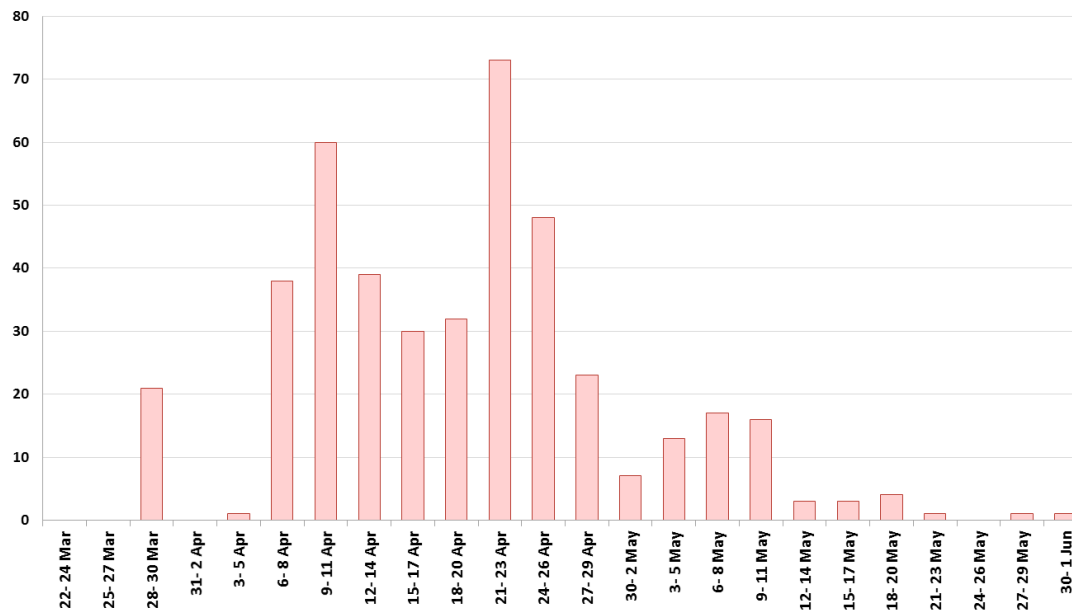


Figure 23. Counts of Greater Sand Plover at Mai Po Inner Deep Bay Ramsar Site, spring 2018

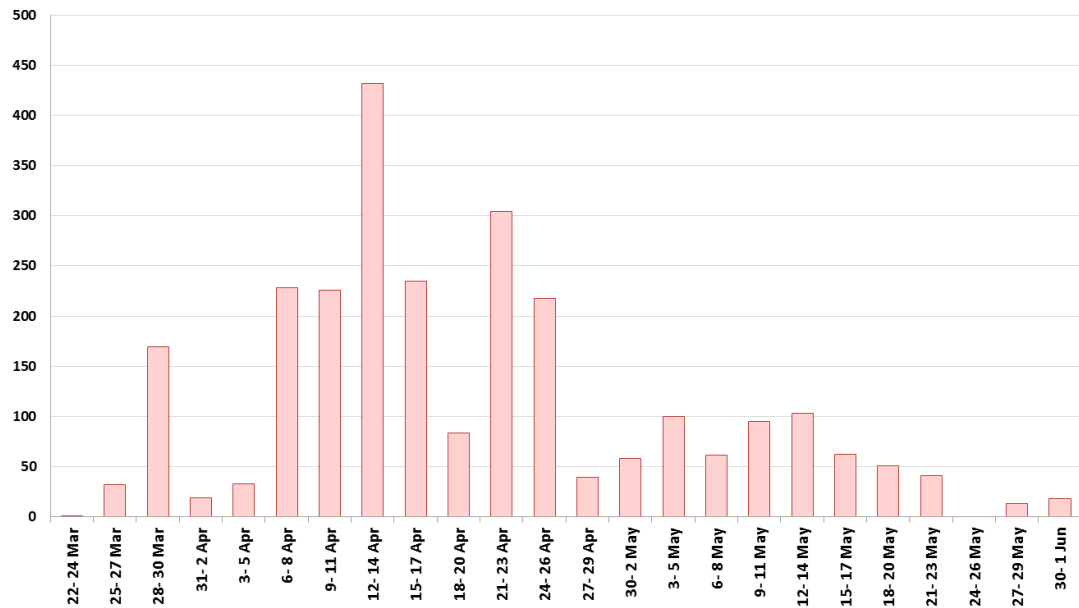


Figure 24. Counts of Black-tailed Godwit at Mai Po Inner Deep Bay Ramsar Site, spring 2018

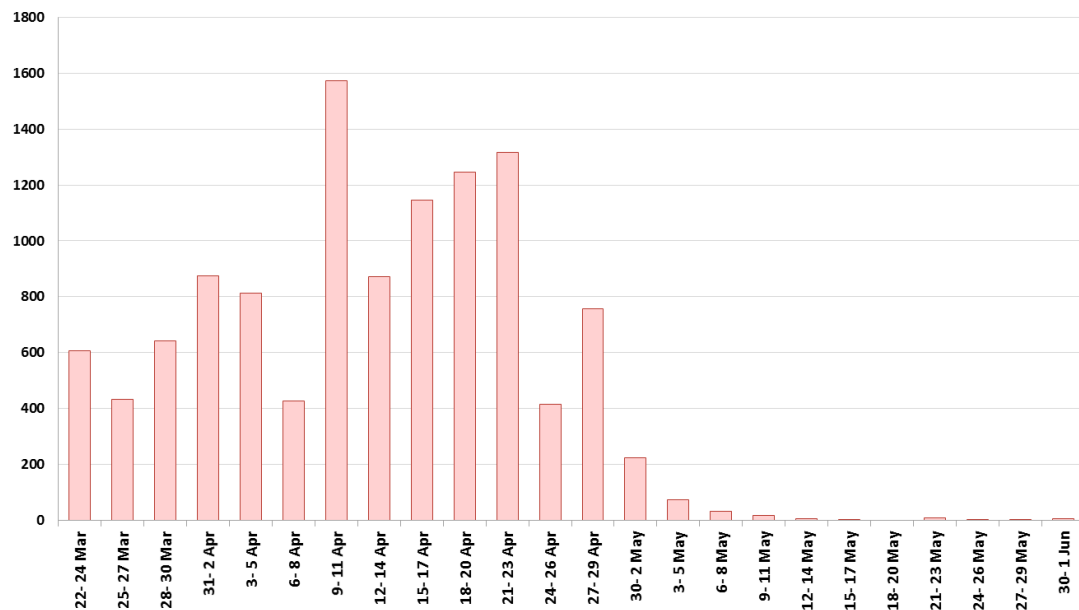


Figure 25. Counts of Spotted Redshank at Mai Po Inner Deep Bay Ramsar Site, spring 2018

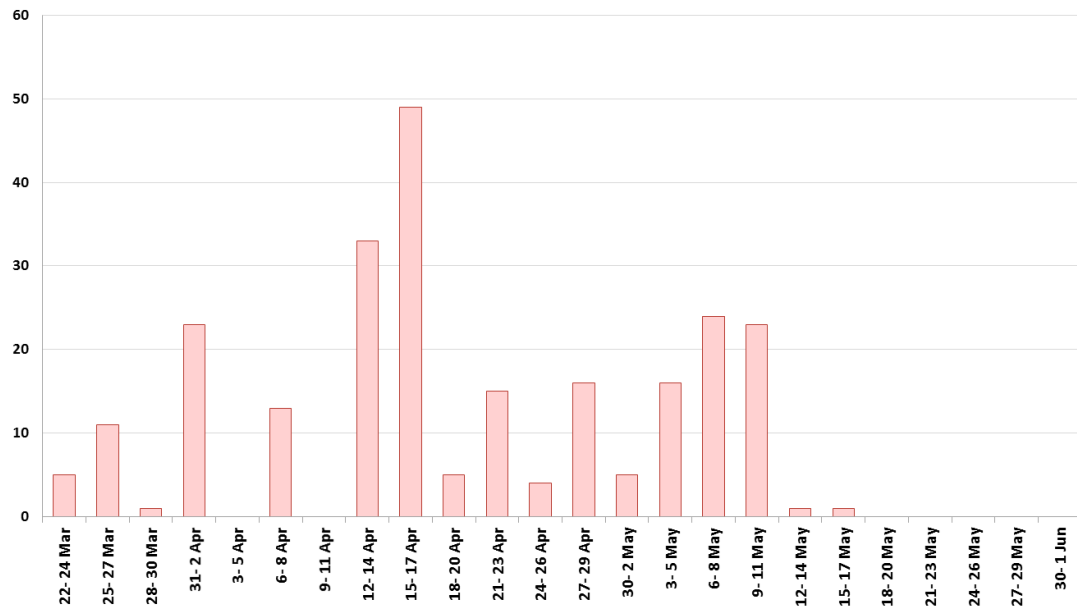


Figure 26. Counts of Common Redshank at Mai Po Inner Deep Bay Ramsar Site, spring 2018

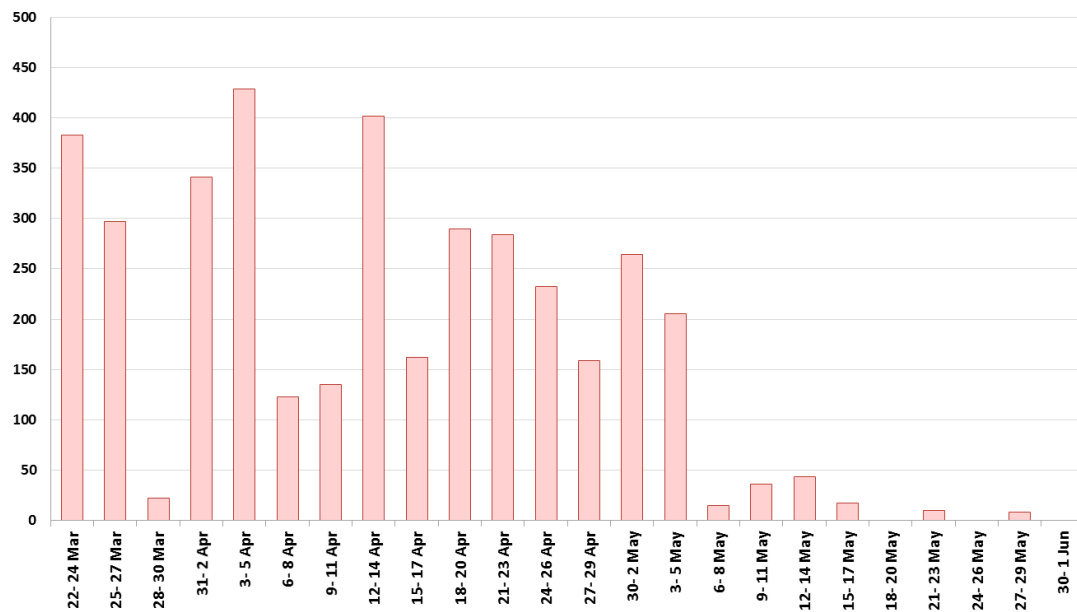


Figure 27. Counts of Marsh Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2018

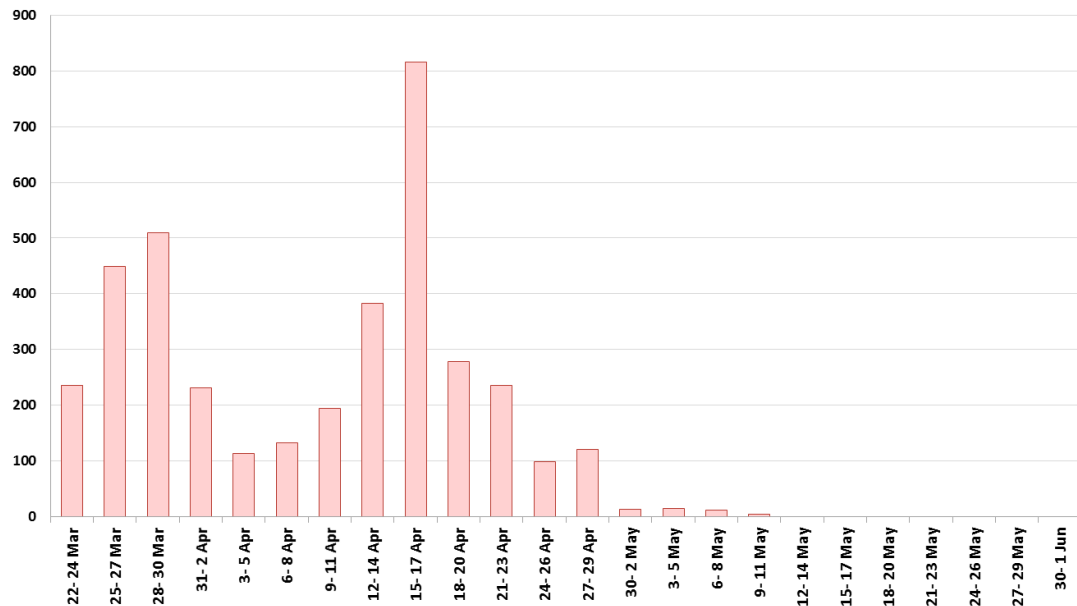


Figure 28. Counts of Common Greenshank at Mai Po Inner Deep Bay Ramsar Site, spring 2018

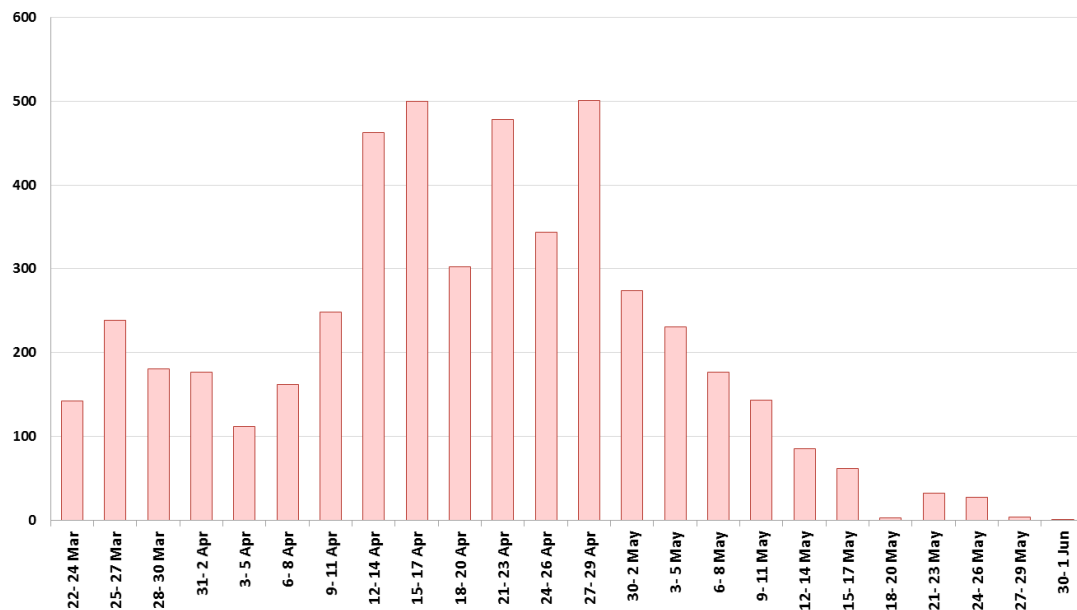


Figure 29. Counts of Terek Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2018

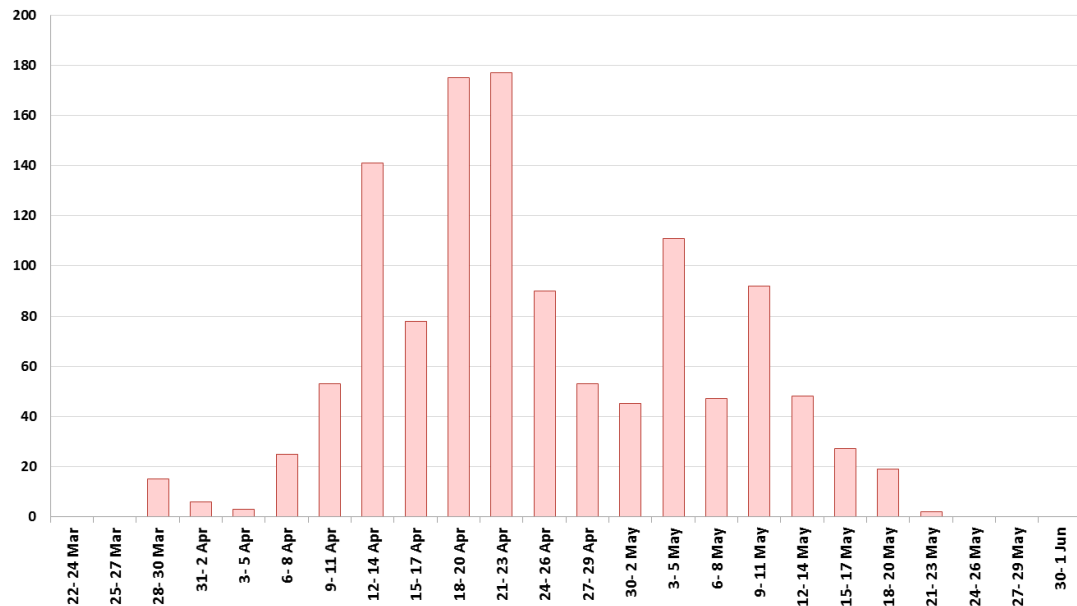


Figure 30. Counts of Grey-tailed Tattler at Mai Po Inner Deep Bay Ramsar Site, spring 2018

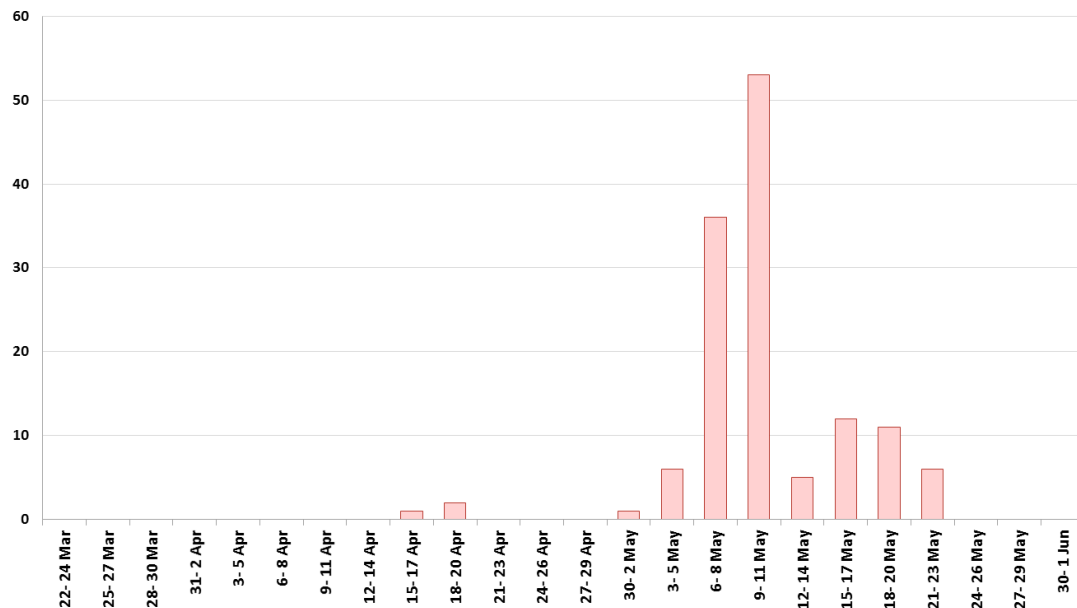


Figure 31. Counts of Ruddy Turnstone at Mai Po Inner Deep Bay Ramsar Site, spring 2018

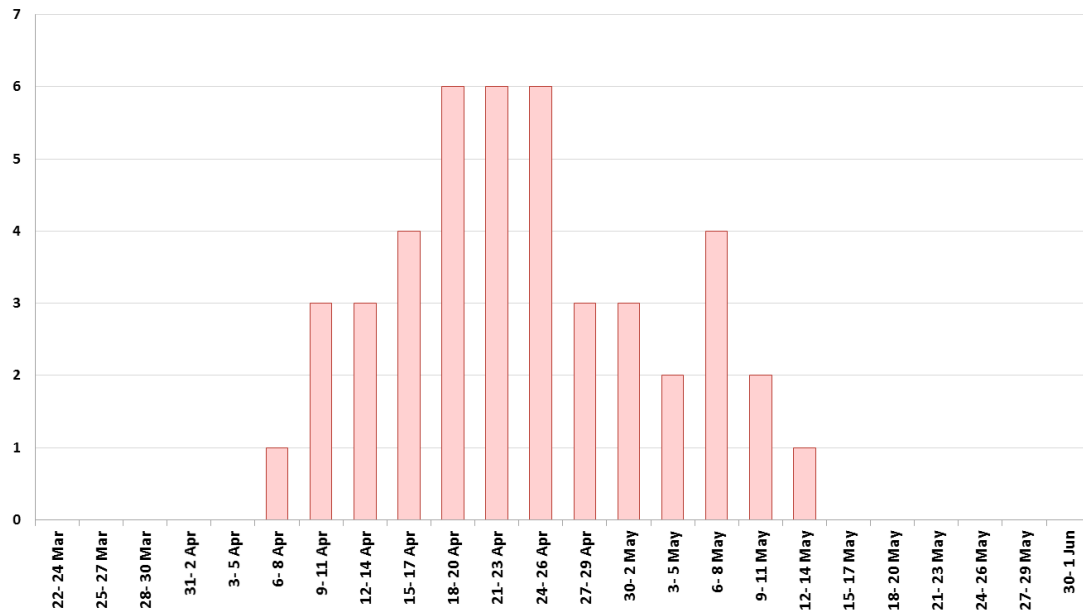


Figure 32. Counts of Asian Dowitcher at Mai Po Inner Deep Bay Ramsar Site, spring 2018

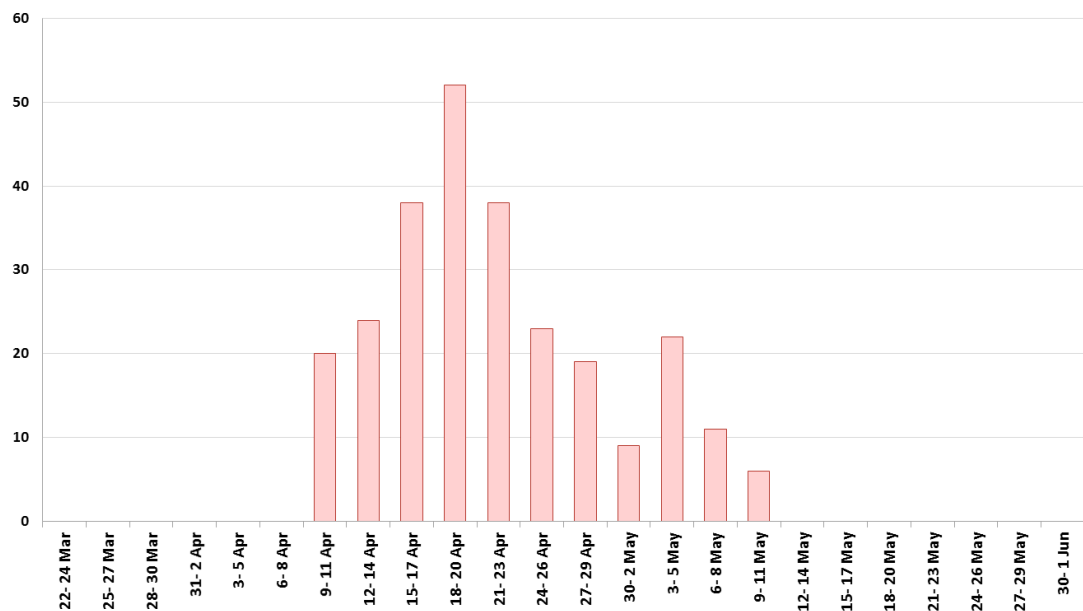


Figure 33. Counts of Red Knot at Mai Po Inner Deep Bay Ramsar Site, spring 2018

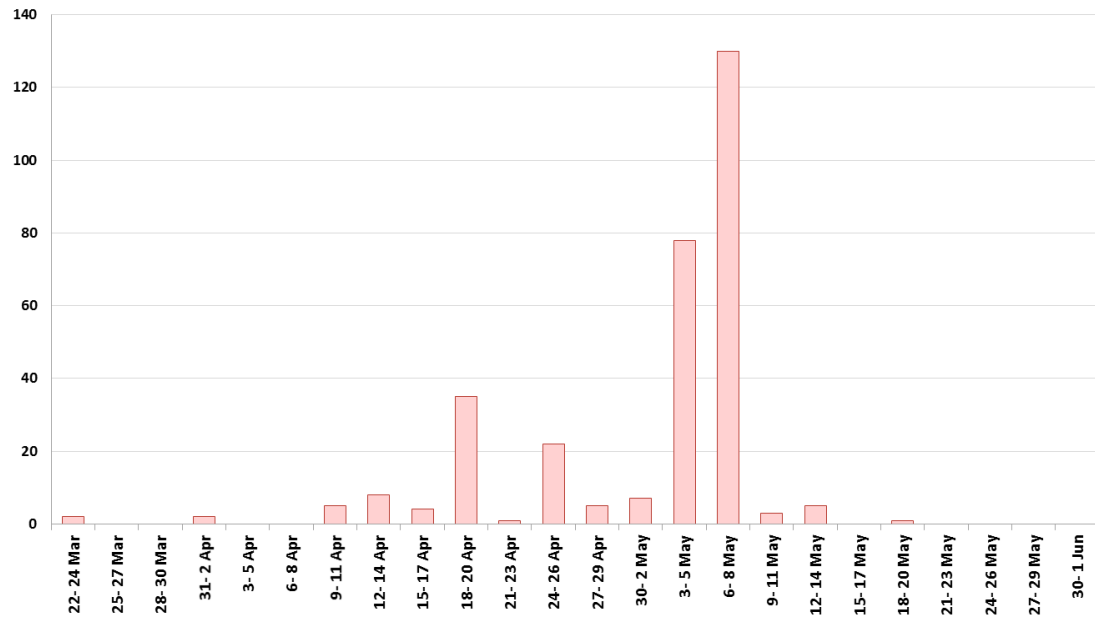


Figure 34. Counts of Great Knot at Mai Po Inner Deep Bay Ramsar Site, spring 2018

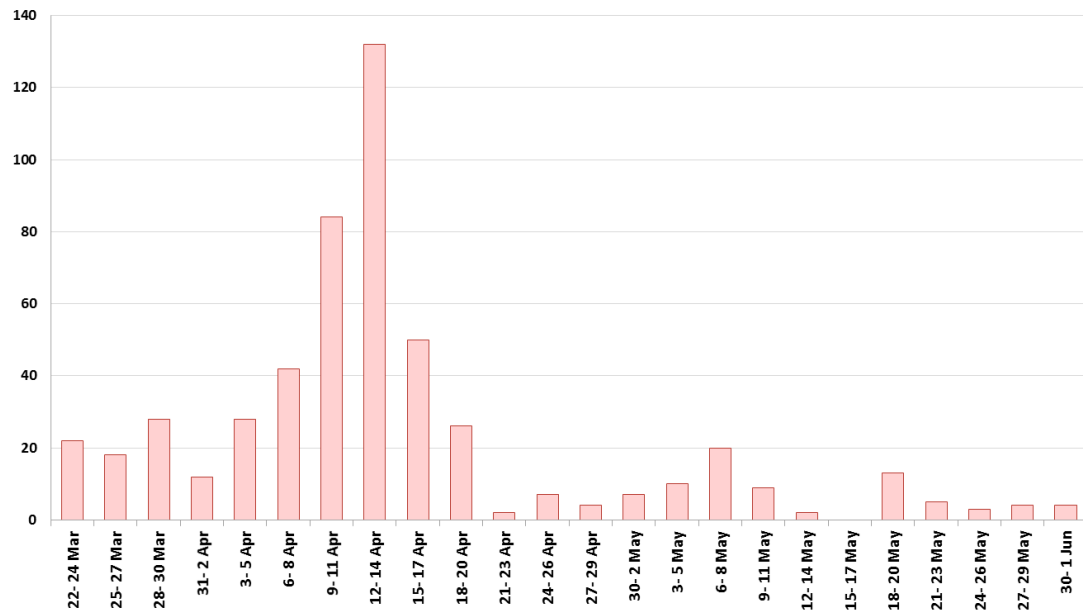


Figure 35. Counts of Red-necked Stint at Mai Po Inner Deep Bay Ramsar Site, spring 2018

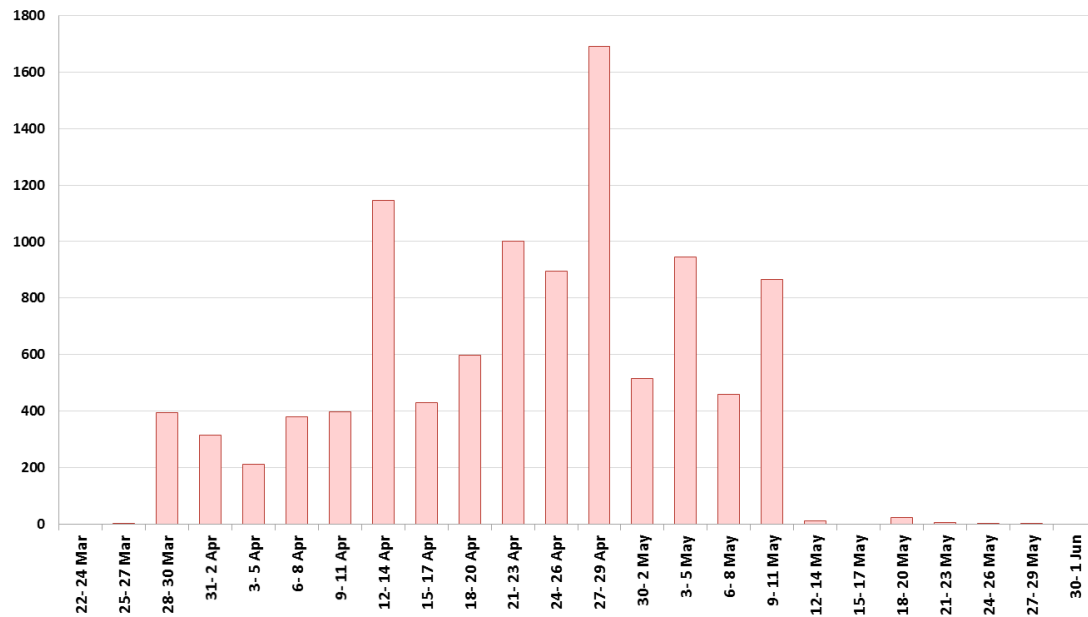


Figure 36. Counts of Sharp-tailed Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2018

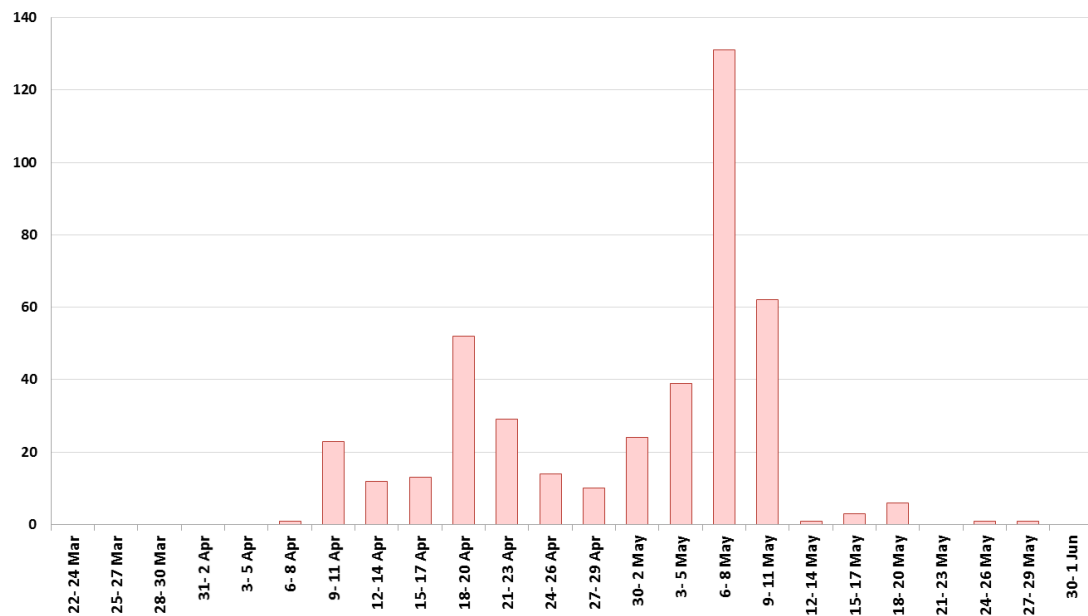


Figure 37. Counts of Curlew Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2018

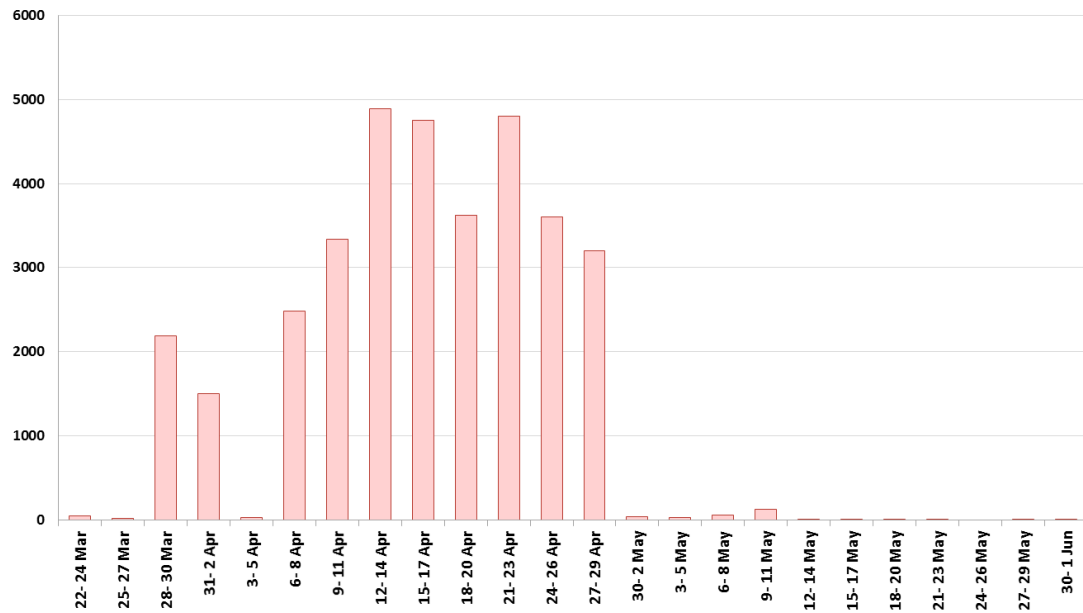
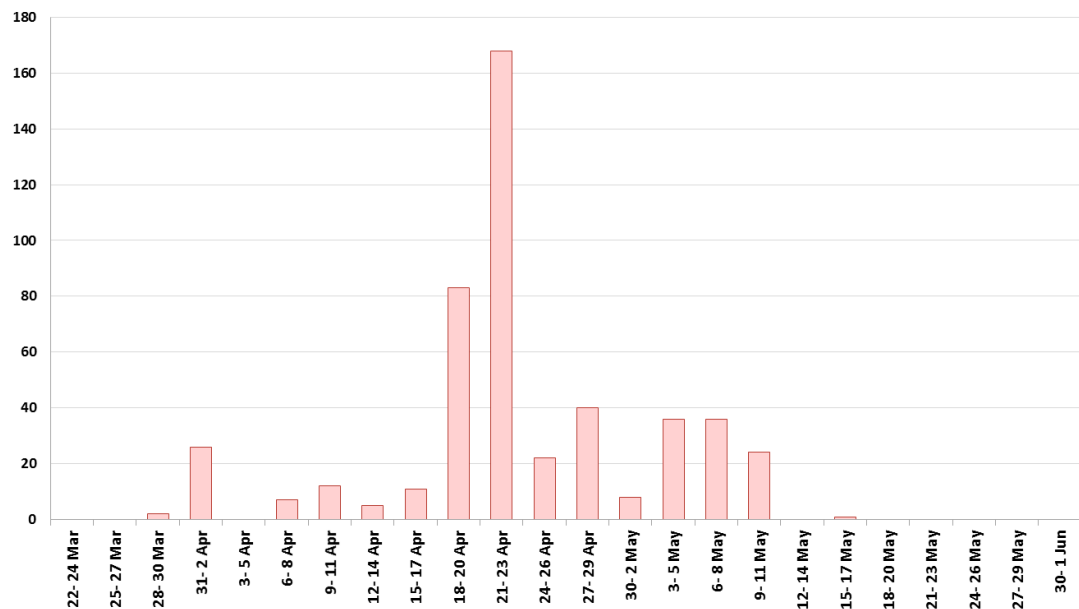


Figure 38. Counts of Broad-billed Sandpiper at Mai Po Inner Deep Bay Ramsar Site, spring 2018



Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2017-18

Shorebird Monitoring Report

Appendix 6

Sighting records of leg-flagged shorebirds in 2017-18.



香港觀鳥會
HONG KONG BIRD WATCHING SOCIETY

The Hong Kong Bird Watching Society



漁農自然護理署
Agriculture, Fisheries and
Conservation Department

Agriculture, Fisheries and Conservation
Department

Sighting records of leg-flagged shorebirds from autumn 2017 to spring 2018.

Date	Source	Species	Breeding Plumage	Colour on Right Leg		Colour on Left Leg		Ringed Location
				Upper	Lower	Upper	Lower	
8-Aug-17	Casual observation from bird watcher	Grey-tailed Tattler	Not noted	Yellow				N Western Australia
12-Aug-17	Casual observation from bird watcher	Red-necked Stint	50	Black	White			Chongming Island, China
20-Aug-17	Casual observation from bird watcher	Grey-tailed Tattler	Not noted	White	Yellow			Hong Kong, China
20-Aug-17	Casual observation from bird watcher	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
20-Aug-17	Casual observation from bird watcher	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
20-Aug-17	Casual observation from bird watcher	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
20-Aug-17	Casual observation from bird watcher	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
20-Aug-17	Casual observation from bird watcher	Grey Plover	Not noted	White	Yellow			Hong Kong, China
20-Aug-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
26-Aug-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
26-Aug-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
26-Aug-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
2-Sep-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
2-Sep-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
10-Sep-17	Shorebird Count	Common Redshank	Not noted	White	Yellow			Hong Kong, China
16-Sep-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
20-Sep-17	Shorebird Count	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
20-Sep-17	Casual observation from bird watcher	Greater Sand Plover	Not noted	White	Yellow			Hong Kong, China
23-Sep-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
23-Sep-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
24-Sep-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
25-Sep-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
25-Sep-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
1-Oct-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
10-Oct-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
10-Oct-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
12-Oct-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
12-Oct-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
20-Oct-17	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
20-Oct-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
22-Oct-17	Shorebird Count	Common Redshank	Not noted	White	Yellow			Hong Kong, China
22-Oct-17	Shorebird Count	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
24-Oct-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
24-Oct-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
29-Oct-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
3-Nov-17	Casual observation from bird watcher	Kentish Plover	Not noted	White	Yellow			Hong Kong, China
14-Nov-17	Casual observation from bird watcher	Grey Plover	Not noted	White	Yellow			Hong Kong, China
16-Nov-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China

Date	Source	Species	Breeding Plumage	Colour on Right Leg		Colour on Left Leg		Ringed Location
				Upper	Lower	Upper	Lower	
19-Nov-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
20-Nov-17	Shorebird Count	Kentish Plover	Not noted	White	Yellow			Hong Kong, China
21-Nov-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
21-Nov-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
1-Dec-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
4-Dec-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
4-Dec-17	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
4-Dec-17	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Pied Avocet	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Grey Plover	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Grey Plover	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Grey Plover	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
6-Dec-17	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
7-Dec-17	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
10-Dec-17	Casual observation from bird watcher	Common Sandpiper	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Casual observation from bird watcher	Pied Avocet	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Pacific Golden Plover	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Grey Plover	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Grey Plover	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Grey Plover	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Grey Plover	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Grey Plover	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Grey Plover	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Great Knot	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Dunlin	Not noted	White	Yellow			Hong Kong, China
7-Jan-18	Monthly Waterbird Count	Dunlin	Not noted	White	Yellow			Hong Kong, China

Date	Source	Species	Breeding Plumage	Colour on Right Leg		Colour on Left Leg		Ringed Location
				Upper	Lower	Upper	Lower	
7-Jan-18	Monthly Waterbird Count	Dunlin	Not noted	White	Yellow			Hong Kong, China
19-Jan-18	International BFS Census	Little Ringed Plover	0	White	Yellow			Hong Kong, China
20-Jan-18	International BFS Census	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
20-Jan-18	International BFS Census	Grey Plover	0	White	Yellow			Hong Kong, China
21-Jan-18	International BFS Census	Grey Plover	0	White	Yellow			Hong Kong, China
21-Jan-18	International BFS Census	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
26-Jan-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
27-Jan-18	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
27-Jan-18	Casual observation from bird watcher	Kentish Plover	Not noted	White	Yellow			Hong Kong, China
27-Jan-18	Casual observation from bird watcher	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
27-Jan-18	Casual observation from bird watcher	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
3-Feb-18	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
3-Feb-18	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
7-Feb-18	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
13-Feb-18	Shorebird Count	Pacific Golden Plover	Not noted	White	Yellow			Hong Kong, China
13-Feb-18	Shorebird Count	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
13-Feb-18	Shorebird Count	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
13-Feb-18	Shorebird Count	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
13-Feb-18	Shorebird Count	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
23-Feb-18	Casual observation from bird watcher	Grey Plover	Not noted	White	Yellow			Hong Kong, China
23-Feb-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
23-Feb-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
23-Feb-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
23-Feb-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
23-Feb-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
23-Feb-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
28-Feb-18	Casual observation from bird watcher	Dunlin	Not noted	White	Yellow			Hong Kong, China
2-Mar-18	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Blue			Taiwan
2-Mar-18	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
2-Mar-18	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China

Date	Source	Species	Breeding Plumage	Colour on Right Leg		Colour on Left Leg		Ringed Location
				Upper	Lower	Upper	Lower	
3-Mar-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Grey Plover	Not noted	White	Yellow			Hong Kong, China
3-Mar-18	Casual observation from bird watcher	Grey Plover	Not noted	White	Yellow			Hong Kong, China
4-Mar-18	Casual observation from bird watcher	Dunlin	Not noted	White	Yellow			Hong Kong, China
4-Mar-18	Casual observation from bird watcher	Dunlin	Not noted	White	Yellow			Hong Kong, China
4-Mar-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
13-Mar-18	Casual observation from bird watcher	Little Ringed Plover	Not noted	White	Yellow			Hong Kong, China
17-Mar-18	Casual observation from bird watcher	Little Ringed Plover	Not noted	White	Yellow			Hong Kong, China
19-Mar-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
19-Mar-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
19-Mar-18	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
22-Mar-18	Shorebird Count	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
22-Mar-18	Shorebird Count	Eurasian Curlew	Not noted	White	Yellow			Hong Kong, China
29-Mar-18	Shorebird Count	Pied Avocet	Not noted	White	Yellow			Hong Kong, China
29-Mar-18	Shorebird Count	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
31-Mar-18	Shorebird Count	Grey Plover	Not noted	White	Yellow	White	Blue	Hong Kong, China
31-Mar-18	Shorebird Count	Grey Plover	Not noted	White	Yellow			Hong Kong, China
31-Mar-18	Shorebird Count	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
1-Apr-18	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
2-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	50	Orange				Victoria, Australia
3-Apr-18	Shorebird Count	Common Redshank	Not noted	White	Yellow			Hong Kong, China
7-Apr-18	Shorebird Count	Pied Avocet	Not noted	White	Yellow			Hong Kong, China
7-Apr-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
7-Apr-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
8-Apr-18	Casual observation from bird watcher	Greater Painted-snipe	Not noted	White	Yellow			Hong Kong, China
9-Apr-18	Shorebird Count	Red-necked Stint	Not noted	Black	Green			Gulf of Thailand, Thailand
9-Apr-18	Shorebird Count	Curlew Sandpiper	Not noted	Yellow				N Western Australia
9-Apr-18	Shorebird Count	Red-necked Stint	Not noted	Black	Green			Gulf of Thailand, Thailand
9-Apr-18	Shorebird Count	Curlew Sandpiper	Not noted	Yellow				N Western Australia
10-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	50	Yellow				N Western Australia
13-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	50	Yellow				N Western Australia
13-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	50	Yellow				N Western Australia
13-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	100	Yellow				N Western Australia
13-Apr-18	Casual observation from bird watcher	Greater Sand Plover	75	White	Blue			Taiwan
13-Apr-18	Casual observation from bird watcher	Red-necked Stint	50	White	Blue			Taiwan
13-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	100	White	Yellow			Hong Kong, China
14-Apr-18	Casual observation from bird watcher	Terek Sandpiper	100	Black	White			Chongming Island, China
14-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	50	Orange				Victoria, Australia

Date	Source	Species	Breeding Plumage	Colour on Right Leg		Colour on Left Leg		Ringed Location
				Upper	Lower	Upper	Lower	
14-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	100	Yellow				N Western Australia
14-Apr-18	Casual observation from bird watcher	Terek Sandpiper	100	Yellow				N Western Australia
14-Apr-18	Casual observation from bird watcher	Marsh Sandpiper	Not noted	White	Yellow			Hong Kong, China
14-Apr-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
14-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	100	White	Yellow			Hong Kong, China
15-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	75	Yellow				N Western Australia
15-Apr-18	Casual observation from bird watcher	Terek Sandpiper	100	Black	White			Chongming Island, China
15-Apr-18	Casual observation from bird watcher	Red-necked Stint	50	Green	Blue			Jiang Su, China
15-Apr-18	Casual observation from bird watcher	Great Knot	Not noted	White	Yellow			Hong Kong, China
15-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	25	White	Yellow			Hong Kong, China
15-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	50	White	Yellow			Hong Kong, China
16-Apr-18	Shorebird Count	Marsh Sandpiper	Not noted	Blue	White			Tokyo Bay & Miyagi, Japan
16-Apr-18	Shorebird Count	Marsh Sandpiper	Not noted	Blue	White			Tokyo Bay & Miyagi, Japan
18-Apr-18	Casual observation from bird watcher	Red Knot	100	Orange				Victoria, Australia
19-Apr-18	Shorebird Count	Terek Sandpiper	Not noted	Yellow				N Western Australia
19-Apr-18	Shorebird Count	Curlew Sandpiper	Not noted	White	Yellow			Hong Kong, China
19-Apr-18	Shorebird Count	Great Knot	Not noted	White	Yellow			Hong Kong, China
20-Apr-18	Casual observation from bird watcher	Ruddy Turnstone	100	Orange	Blue			Tasmania, Australia
20-Apr-18	Casual observation from bird watcher	Ruddy Turnstone	100	Orange				Victoria, Australia
20-Apr-18	Casual observation from bird watcher	Red-necked Stint	25	Blue	Yellow			Bohai Bay, China
20-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	100	White	Yellow			Hong Kong, China
20-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	25	White	Yellow			Hong Kong, China
21-Apr-18	Shorebird Count	Terek Sandpiper	Not noted	Yellow				N Western Australia
21-Apr-18	Shorebird Count	Curlew Sandpiper	Not noted	Yellow				N Western Australia
21-Apr-18	Shorebird Count	Curlew Sandpiper	Not noted	Yellow				N Western Australia
21-Apr-18	Casual observation from bird watcher	Terek Sandpiper	100	Yellow				N Western Australia
21-Apr-18	Shorebird Count	Black-tailed Godwit	Not noted	White	Yellow			Hong Kong, China
21-Apr-18	Shorebird Count	Spotted Redshank	Not noted	White	Yellow			Hong Kong, China
22-Apr-18	Casual observation from bird watcher	Terek Sandpiper	100	Yellow				N Western Australia
22-Apr-18	Casual observation from bird watcher	Red-necked Stint	50	Orange				Victoria, Australia
25-Apr-18	Shorebird Count	Red-necked Stint	25	Yellow				N Western Australia
25-Apr-18	Shorebird Count	Red-necked Stint	50	Yellow				N Western Australia
25-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	Not noted	Yellow				N Western Australia
25-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	Not noted	Yellow				N Western Australia
25-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	Not noted	Red				Unknown
26-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	100	Orange				Victoria, Australia
27-Apr-18	Casual observation from bird watcher	Terek Sandpiper	100	White	Black			Chongming Island, China
27-Apr-18	Casual observation from bird watcher	Grey-tailed Tattler	100	Yellow				N Western Australia
27-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	75	Yellow				N Western Australia
27-Apr-18	Casual observation from bird watcher	Curlew Sandpiper	100	Yellow				N Western Australia
27-Apr-18	Casual observation from bird watcher	Red-necked Stint	25	Orange				Victoria, Australia

Date	Source	Species	Breeding Plumage	Colour on Right Leg		Colour on Left Leg		Ringed Location
				Upper	Lower	Upper	Lower	
27-Apr-18	Casual observation from bird watcher	Red-necked Stint	75	Orange				Victoria, Australia
27-Apr-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
28-Apr-18	Shorebird Count	Curlew Sandpiper	Not noted	White	Yellow			Hong Kong, China
1-May-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
1-May-18	Casual observation from bird watcher	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
4-May-18	Shorebird Count	Red Knot	Not noted	Yellow				N Western Australia
4-May-18	Shorebird Count	Red-necked Stint	Not noted	Black	Yellow			Unknown
4-May-18	Shorebird Count	Spotted Redshank	100	White	Yellow			Hong Kong, China
5-May-18	Casual observation from bird watcher	Common Redshank	Not noted	White	Yellow			Hong Kong, China
6-May-18	Shorebird Count	Red-necked Stint	Not noted	Orange				Victoria, Australia
6-May-18	Shorebird Count	Ruddy Turnstone	75	Orange	Blue			Tasmania, Australia
6-May-18	Casual observation from bird watcher	Ruddy Turnstone	100	Orange	Blue			Tasmania, Australia
6-May-18	Shorebird Count	Red-necked Stint	25	Blue	Yellow			Bohai Bay, China
6-May-18	Shorebird Count	Common Greenshank	Not noted	White	Yellow			Hong Kong, China
10-May-18	Shorebird Count	Broad-billed Sandpiper	100	Yellow				N Western Australia
10-May-18	Shorebird Count	Curlew Sandpiper	25	Yellow				N Western Australia
10-May-18	Shorebird Count	Grey-tailed Tattler	100	Black	White			Chongming Island, China
31-May-18	Casual observation from bird watcher	Greater Painted-snipe	Not noted	White	Yellow			Hong Kong, China

Mai Po Inner Deep Bay Ramsar Site Waterbird Monitoring Programme 2017-18

Shorebird Monitoring Report

Appendix 7

Leg-flagged shorebirds with re-sighting records in at least four years from 2011 to 2018.



香港觀鳥會
HONG KONG BIRD WATCHING SOCIETY

The Hong Kong Bird Watching Society



漁農自然護理署
Agriculture, Fisheries and
Conservation Department

Agriculture, Fisheries and Conservation
Department

Leg-flagged shorebirds with re-sighting records in at least four years from 2011 to 2018.

Species	Engraved Number	Years with re-sighting
Black-tailed Godwit	B0	2011-2016
Black-tailed Godwit	B3	2011-2016
Black-tailed Godwit	B7	2011-2018
Black-tailed Godwit	B9	2011-2016
Black-tailed Godwit	H6	2012-2018
Black-tailed Godwit	K9	2012-2016
Black-tailed Godwit	L0	2012-2017
Black-tailed Godwit	N1	2012-2015
Black-tailed Godwit	N8	2013-2018
Black-tailed Godwit	P1	2013-2017
Common Greenshank	A6	2012-2016
Common Greenshank	C4	2011-2014
Common Greenshank	D8	2012-2016
Common Greenshank	E1	2011-2015
Common Greenshank	E4	2012-2017
Common Greenshank	E7	2011-2015
Common Redshank	A4	2011-2014
Common Redshank	C0	2011-2018
Common Redshank	D2	2012-2018
Common Redshank	D4	2012-2018
Common Redshank	E1	2012-2018
Common Redshank	E8	2012-2016
Common Redshank	H0	2012-2018
Common Redshank	H2	2013-2018
Common Redshank	N8	2012-2017
Common Redshank	P1	2012-2018
Common Redshank	P2	2012-2016
Common Redshank	R5	2012-2018
Common Redshank	R6	2012-2018
Common Redshank	R7	2012-2017
Common Redshank	R8	2011-2016
Common Redshank	R9	2012-2018
Common Redshank	S2	2012-2016
Common Redshank	S3	2012-2018
Common Redshank	T0	2012-2018
Common Redshank	T1	2013-2017
Common Redshank	V0	2012-2016

Common Redshank	U6	2013-2017
Curlew Sandpiper	E8	2013-2018
Curlew Sandpiper	P1	2013-2018
Curlew Sandpiper	R0	2012-2017
Curlew Sandpiper	V6	2012-2016
Curlew Sandpiper	AL	2014-2018
Eurasian Curlew	A1	2013-2017
Eurasian Curlew	A2	2012-2018
Eurasian Curlew	A6	2013-2018
Eurasian Curlew	A7	2012-2018
Eurasian Curlew	A9	2013-2017
Eurasian Curlew	B1	2014-2018
Great Knot	L3	2012-2018
Greater Sand Plover	J6	2012-2016
Grey Plover	C2	2011-2016
Grey Plover	H5	2012-2016
Grey Plover	J2	2012-2016
Grey Plover	R8	2012-2018
Grey Plover	S7	2012-2016
Marsh Sandpiper	B1	2012-2017
Marsh Sandpiper	N2	2011-2016
Marsh Sandpiper	R1	2011-2017
Pacific Golden Plover	H8	2012-2016
Pied Avocet	J4	2012-2017
Pied Avocet	K8	2015-2018
Spotted Redshank	M0	2013-2018
Terek Sandpiper	A2	2012-2018