



# **Proposed Comprehensive Development at Wo Shang Wai, Yuen Long**

Bi-annual Report on EM&A Results on Ecological  
Aspects for November 2021 to April 2022 (Rev A)

27 October 2022



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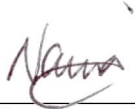
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**Pursuant to Condition 4.6 of Environmental Permit No. EP-311/2008/E, this Biannual EM&A Report on ecological aspects for November 2021 to April 2022 has been reviewed, certified by Environmental Team Leader (ETL) and verified by the Independent Environmental Checker (IEC).**

**Certified by:**



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Nikita Nanwani Nanwani  
Environmental Team Leader (ETL)  
Mott MacDonald Hong Kong Ltd.

Date

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1 December 2022

**Verified by:**



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David Yeung  
Independent Environmental Checker (IEC)  
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1 December 2022





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# 1 Introduction

## 1.1 Background

In March 2005, the Project Proponent, Profit Point Enterprises Limited, acquired the development site in Yuen Long at Wo Shang Wai. An Environmental Impact Assessment (EIA) was then carried out under the EIA Ordinance (EIAO), and the Environmental Permit (EP-311/2008) for construction of the comprehensive development in Wo Shang Wai was first granted by EPD on 9 September 2008 and has been subsequently varied, with the current version (EP-311/2008/E) issued by EPD on 19 December 2017.

The Project involves the residential development and associated infrastructure and wetland restoration area and linear landscape area. The construction works under the Environmental Permit commenced on 12 May 2010. The site formation construction works of the Wetland Restoration Area (WRA) were completed on 15 November 2010, and the WRA was established by October 2012, within 30 months from the commencement of construction as stipulated in the EP. This indicated that planting works as scheduled in the approved Wetland Restoration and Creation Scheme (WRCS; November 2009) was completed, except along the western and southern boundary where the planting is affected by the existing site boundary and noise barrier, and for which a Variation to Environmental Permit (EP-311/2008/C) to defer planting at the location was approved. The current valid EP (EP-311/2008/E) includes specific mitigation measures to minimise certain identified noise impacts during the operation phase of the Project.

Mott MacDonald Hong Kong Ltd. ("MMHK") has been commissioned to undertake the Environmental Team (ET) services to carry out environmental monitoring and audit (EM&A) for both pre-construction and construction phases of the Proposed Comprehensive Development at Wo Shang Wai, Yuen Long.

According to the EP Condition 4.6, the EM&A results on ecological aspects during the construction phase should be reported to the EIA Subcommittee of the Advisory Council on the Environment (ACE), EPD and Agriculture, Fisheries and Conservation Department (AFCD) on a biannual basis. This is the 24<sup>th</sup> Biannual EM&A report and it summarises the findings on EM&A results of ecological aspects during the period from 1 November 2021 to 30 April 2022. This report documents surveys and management activities conducted in the Survey Area and WRA from 1 November 2021 to 30 April 2022, which is based on ecological surveys and advice on management undertaken and provided by the appointed Non-Government Organisation (Eco-Institute) during the reporting period.

## 1.2 Survey Area

Surveys were conducted within 500m of the Project area. The WRA has been surveyed since early September 2010. The survey area and transect are provided in **Figure 1.1**.

## 1.3 EM&A Requirement on Ecological Impact

The EM&A programme requires environmental monitoring of ecology as specified in the approved EM&A Manual, summarised in **Table 1.1**.

**Table 1.1: Summary of Ecological Impact EM&A Requirements**

Descriptions	Locations	Frequencies
Birds	Within the Project Area and Assessment Area of 500m	Weekly
Dragonflies and Butterflies	Within the Project Area and Assessment Area of 500m	Once per month during Mar and Sep to Nov, and twice per month during Apr to Aug
Herpetofauna	Within the Project Area and Assessment Area of 500m	Day-time: Once per month during Apr to Nov Night-time: Once per month during Mar to Aug
Water quality of Wetland Restoration Area (WRA)	WRA	After filling of WRA with water, monthly for in situ water quality and every six months (end of wet season and end of dry season) for laboratory testing
Site Inspections	Within the Project Area and Assessment Area of 500m	Weekly

Source: Extract from Table 7-1 of the Proposed Comprehensive Development at Wo Shang Wai, Yuen Long EM&A Manual (March 2008)

## 2 Ecological Monitoring

### 2.1 Ecological Monitoring

In accordance with the EM&A requirements, monitoring of birds, dragonflies and butterflies, and herpetofauna were carried out during the reporting period. In addition, monitoring of mammals was also conducted concurrently with other surveys and the results were reported although it is not required by the EM&A Manual. The dates of surveys are summarised in **Appendix A**.

### 2.2 Monitoring of Birds

Monitoring was undertaken following the survey requirements in the EM&A Manual (Table 7-1). Since September 2010, monitoring included the newly formed cells to monitor faunal usage of this area. All bird species of conservation importance and/or wetland dependent were identified and enumerated. Flying birds were not recorded unless they were foraging and/or associated with the habitat (such as swifts). Further, notable bird observations during other surveys were also recorded.

Bird surveys were conducted on a weekly basis throughout the reporting period. A total of 83 bird species were recorded in the Survey Area (excluding the WRA) in the survey period (i.e. November 2021 to April 2022), 44 of which were species of conservation importance and/or wetland-dependence. A summary of survey data is provided in **Appendix B**.

A total of 83 species were recorded in the WRA in the survey period, 42 of which were species of conservation importance and/or wetland-dependent species. All three target species<sup>1</sup> were recorded in the WRA during regular surveys.

The WRA continues to attract a number of species of conservation importance, including Little Grebe (*Tachybaptus ruficollis*), Great Cormorant (*Phalacrocorax carbo*), Grey Heron (*Ardea cinerea*), Purple Heron (*Ardea purpurea*), Great Egret (*Ardea alba*), Intermediate Egret (*Egretta intermedia*), Yellow Bittern (*Ixobrychus sinensis*), Great Bittern (*Botaurus stellaris*), Black-crowned Night Heron (*Nycticorax nycticorax*), Eurasian Teal (*Anas crecca*), Western Osprey (*Pandion haliaetus*), Black Kite (*Milvus migrans*), Greater Spotted Eagle (*Clanga clanga*), Eastern Imperial Eagle (*Aquila heliaca*), Eastern Buzzard (*Buteo japonicus*), Common Greenshank (*Tringa nebularia*), Wood Sandpiper (*Tringa glareola*), Pacific Swift (*Apus pacificus*), Pied Kingfisher (*Ceryle rudis*), White-throated Kingfisher (*Halcyon smyrnensis*), Zitting Cisticola (*Cisticola juncidis*), Chinese Penduline-Tit (*Remiz consobrinus*), Red-billed Starling (*Spodiopsar sericeus*), White-cheeked Starling (*Spodiopsar cineraceus*), White-shouldered Starling (*Sturnia sinensis*) and Collared Crow (*Corvus torquatus*). Little Grebe, Eastern Cattle Egret, Yellow Bittern, Black-crowned Night Heron, Wood Sandpiper, Pacific Swift, Pied Kingfisher, White-throated Kingfisher, Zitting Cisticola, White-shouldered Starling and Collared Crow are listed by Fellowes *et al.* (2002) as of “Local Concern”. Great Cormorant, Grey Heron, Great Egret, Little Egret, Chinese Pond Heron and White-cheeked Starling are listed by Fellowes *et al.* (2002) as of “Potential Regional Concern”. Purple Heron, Intermediate Egret, Great Bittern, Eurasian Teal, Western Osprey, Black Kite, Common Greenshank and Chinese Penduline-Tit are listed by Fellowes *et al.* (2002) as of “Regional Concern”. Greater Spotted Eagle, Eastern Imperial Eagle and Red-billed Starling are listed by Fellowes *et al.* (2002) as of “Global Concern”. Collared Crow is also listed as “near threatened” species on the IUCN list.

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<sup>1</sup> The target species are: Little Egret, *Egretta garzetta*, Eastern Cattle Egret, *Bubulcus coromandus* (formerly known as Cattle Egret, *Bubulcus ibis*) and Chinese Pond Heron, *Ardeola bacchus*.

In addition to wetland dependent birds and/or species of conservation importance, the WRA also attracts a number of terrestrial birds including Besra (*Accipiter virgatus*), Greater Coucal (*Centropus sinensis*) and Asian Barred Owlet (*Glaucidium cuculoides*) which are protected under terrestrial wildlife state protection (Category II). Greater Coucal is also listed as vulnerable (VU) in the China Red Data Book. Survey findings indicate that the WRA not only provides important habitat for wetland-dependence birds but also the terrestrial birds.

The fish ponds to the north of the WRA (i.e. within the Survey Area (excluding WRA)) are at a greater distance from the residential portion and any disturbance impact(s) from the construction works would have first affected the WRA (with 44 bird species of conservation importance and/or wetland-dependence recorded during the survey period). Nevertheless, 42 bird species of conservation importance and /or wetland dependence were observed using the site within the WRA during the survey period, including some bird species which are highly sensitive to disturbance. Thus, the WRA is therefore considered to be effective both in acting as a buffer against potential disturbance impacts from the construction site, and in providing suitable wetland habitats at the fringe of the Deep Bay system which includes the Mai Po Marshes and the Ramsar Site as a whole.

### 2.3 Monitoring of Herpetofauna

Monitoring was undertaken following the survey methodology in the EM&A Manual. Day-time herpetofauna surveys were conducted once a month in November 2021 and April 2022. Night-time herpetofauna surveys were conducted once a month in March 2022 and April 2022. Further, notable herpetofauna observations during other surveys were also recorded.

A total of five amphibian species and four reptile species were recorded in the Survey Area (excluding WRA) during the reporting period. Within the WRA, a total of four amphibian species and four reptile species were recorded during the reporting period.

A summary of survey data is provided in **Appendix C**.

### 2.4 Monitoring of Dragonfly and Butterflies

Monitoring of dragonflies and butterflies was conducted once a month in November 2021 and March 2022, and twice a month in April 2022. Further, notable dragonfly and butterfly observations during other surveys were recorded.

A total of 11 dragonfly species and 19 butterfly species were recorded using the ponds in the Survey Area (excluding WRA) during the reporting period. Within the WRA, a higher diversity of dragonfly species (20 species) and butterfly species (33 species) were recorded.

A summary of the survey findings is provided in **Appendix C**.

### 2.5 Monitoring of Mammals

Monitoring of mammals was conducted concurrently with other surveys.

Two mammal species, Short-nosed Fruit Bat (*Cynopterus sphinx*) and Japanese Pipistrelle (*Pipistrellus abramus*), were recorded in the Survey Area (excluding WRA) and within the WRA in March and April 2022. In addition, Leopard Cat (*Prionailurus bengalensis*) was recorded within the WRA in April 2022.

A summary of the survey findings is provided in **Appendix C**.

### 2.6 Monitoring of Water Quality

Monthly water quality monitoring continued during the reporting period. In January and February 2022, the water level of Cell 3 reached the action level (with water levels recorded at 140cm and 145cm, respectively).

Between March and April 2022, the increased rainfall raised the water level and hence no cells reached the action level.

Water level of all Cells had been maintained to suppress weed growth along the edges of the cells, as well as to maintain a suitable habitat for fish, aquatic invertebrate and water plants which will provide food and habitat for wetland birds.

Monitoring data is presented in **Appendix D**. Locations for the monitoring of water quality for the ecological monitoring are shown in **Figure 1.2**.

## 3 Ecological Issues

### 3.1 Vegetation Management

Vegetation management activities undertaken within the WRA included the removal of exotic and excessive vegetation in all cells and along the emergency vehicular access (EVA). These activities primarily involved tree-trimming, weeding, grass cutting, uprooting of exotic water plants and removal of climbers. Removal of vegetation included and was not limited to *Leucaena leucocephala*, *Phragmites australis*, *Lantana camara*, *Paederia foetida*, *Mikania* sp., *Bidens alba*, *Mimosa* sp., *Pennisetum* sp., *Typha* sp., *Ludwigia erecta*, *Ipomea* sp., *Ficus microcarpa*, *Ligustrum sinensis* and *Bridelia tomentosa*. (See Photos 1 to 3)

**Photo 1**      **Branch trimming along the EVA**





**Photo 2** Clearance of exotic climbers in Cell 4



**Photo 3** Weeding at Cell 3



### 3.2 Wildlife Management

Golden Apple Snails and their eggs were removed on an “as-seen” basis. (See Photo 4)

All sighted fire ant nests were treated with approved pesticides. Pesticide usage was confined to nests found on terrestrial areas further away from the Cells to prevent water contamination. All treated fire ant nests were inactive within one week of treatment.



Preliminary actions have been taken to increase the WRA utilization by birds. The mitigation actions are:

1. Maintaining the low water level of Cell 1, Cell 2, Cell 3 and Cell 4 (See Photo 5);
2. Controlling the vegetation at Cell 1, Cell 2, Cell 3 and Cell 4.

These mitigation actions aim to increase the foraging area and maintain a suitable habitat for target species.

**Photo 4** Clearance of apple snails and their eggs



**Photo 5** Water level control and mixing water between Cells



## 4 Summary of Wetland Restoration Area Performance

### 4.1 Summary of Findings

Ecological monitoring between 1 November 2021 and 30 April 2022 was carried out following the survey methodology and frequency outlined in the EM&A Manual.

Summary of ecological monitoring in the Survey Area and WRA between November 2021 and April 2022 (**Table 4.1**):

**Table 4.1: Summary of Ecological Monitoring in Survey Area and WRA Survey Area**

Species	Number of species recorded in Survey Area (excluding WRA)	Number of species recorded in WRA
Birds (total)	83	83
Birds (of conservation importance and/or wetland-dependence)	44	42
Amphibians	5	4
Reptiles	4	4
Mammals	2	3
Dragonflies	11	20
Butterflies	19	33

A total of 83 bird species, 3 mammal species, 20 dragonfly species, 33 butterfly species, 4 amphibian species and 4 reptile species were recorded in the WRA, including 42 bird species of conservation importance and/or wetland-dependence. These findings indicate that the WRA is supporting wetland-dependent birds and other species of conservation importance. The diversity of dragonflies and butterflies within the WRA is higher than those in the Survey Area (excluding WRA), indicating that the wetland and vegetation management works could promote the dragonflies and butterflies in using the WRA.

Survey findings indicate that the WRA is attracting all of the three target species (Little Egret, Eastern Cattle Egret and Chinese Pond Heron) to varying degrees. During the survey period (i.e. November 2021 to April 2022), Little Egret was recorded on nearly a weekly basis, with monthly means ranging from 0.5 (Nov 2021) to 4.3 (April 2022) birds per survey. Chinese Pond Heron was recorded in all months between November 2021 and March 2022, with monthly means ranging from 1.0 (March 2022) to 2.6 (December 2021) birds. Eastern Cattle Egret was least attracted to the site. Out of the 26 regular bird surveys, Eastern Cattle Egret was recorded twice in December 2021 (mean 0.4 birds per survey) and once in April 2022 (mean 0.5 birds per survey).

A list of the bird species recorded within the WRA since the completion of the site formation is provided in **Appendix B (Tables B4 to B9)**. A total of 160 bird species have been recorded within the WRA since the completion of the site formation in November 2010. Of the 160 species, 89 were species of conservation importance and/or wetland dependence.

With the completion of planting as scheduled in the approved Habitat Creation and Management Plan (HCMP) in August 2012, establishment work at the WRA is considered complete (except along the western and southern boundary where the planting is affected by the existing site boundary and noise barrier, and for which

an approved Variation to Environmental Permit (EP-311/2008/D) to defer planting at the location applies), and the 30-month establishment period concluded in October 2012. A review of the performance of the WRA during the review period in terms of target species attraction is provided in **Section 4.2** below.

It should be noted that the high planting density was intended to ensure a rapid establishment of the site prior to occupation intake, and the planted vegetation are not intended to be maintained as a long-term tree density at the WRA. Regular horticultural/ arboricultural practice is applied in the WRA to remove excessive and less desired specimens to facilitate the successful growth of those which are of higher landscape and/or ecological value. Vegetation management is largely consistent of maintenance of planted trees and shrubs for the creation of suitable habitats for target species, as well as removal of excessive and exotic species. These works should maintain and uphold the long-term habitat structure and the overall biodiversity of the WRA.

## 4.2 WRA Performance for the Bird Target Species

The provision, maintenance and operation of a WRA are requirements under the Environmental Permit for compensation for predicted ecological impacts to species of conservation importance. Three bird target species were identified during the EIA process: Little Egret, Eastern Cattle Egret and Chinese Pond Heron. Target levels of these species are the annual mean numbers recorded during the Baseline Ecological Monitoring (i.e. a mean of 5.5 Little Egret, 1.3 Eastern Cattle Egret and 1.3 Chinese Pond Heron over a 12-month period). Thus, the ecological impact of the project to the species concerned is considered to have been fully compensated when the target level for each of the three species is achieved. Whilst further discussion and agreement regarding the target level is yet to be undertaken with the relevant Government departments prior to the operation of the WRA, the proposed level offers a clear reference to the effectiveness of the mitigation measures. According to the approved Wetland Creation and Restoration Scheme (November 2009, hereafter WCRS), the WRA is anticipated to be fully operational after an establishment period of 2.5 years (30 months).

All three target species (i.e. Little Egret, Eastern Cattle Egret and Chinese Pond Heron) were recorded using the WRA during the survey period (November 2021 to April 2022). Among them, Little Egret was recorded in all six months during regular surveys.

**Table 4.2: Biannual mean & Annual mean of the three target species of the WRA from May 2020 to April 2022**

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Baseline Annual Mean <sup>(2)</sup>	Biannual Mean <sup>(3)</sup>				Annual Mean <sup>(3)</sup>	
				May 20 - Oct 20	Nov 20 - Apr 21	May 21 - Oct 21	Nov 21 - Apr 22	May 20 - Apr 21	May 21 - Apr 22
Chinese Pond Heron	<i>Ardeola bacchus</i>	PRC, (RC)	1.3	<b>3.2</b>	<b>1.8</b>	<b>3.7</b>	<b>1.7</b>	<b>2.5</b>	<b>2.7</b>
Little Egret	<i>Egretta garzetta</i>	PRC, (RC)	5.5	1.8	1.6	2.1	1.5	1.7	1.8
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	(LC)	1.3	0.3	0.1	0.3	0.2	0.2	0.2

Notes:

- (1) Conservation Status follows that of Fellow *et. al.* (2002). See Appendix B (Table B3).
- (2) Annual mean number recorded during Baseline Ecological Monitoring.
- (3) Values in **bold** indicated the Target Level was achieved.

Based on **Table 4.2** above, the target level of the Chinese Pond Heron has been achieved between November 2021 to April 2022, while the target level for Little Egret and Eastern Cattle Egret have not been achieved.

According to the ecological monitoring data of the Survey Area (excluding the WRA), Eastern Cattle Egret was observed in 11 out of 26 regular surveys and the biannual mean of the Eastern Cattle Egret at the Survey Area (excluding the WRA) is 2.8 bird per survey (November 2021 – April 2022).

Eastern Cattle Egret is mainly a spring and autumn passage migrant in Hong Kong with peak count in August (*Carey et al. 2001*). This species mainly forages along short grass habitat, preying on insects, invertebrates and small vertebrates. The large expanse of grassland in the Survey Area (excluding the WRA) and the open storage areas in the vicinity of the WRA and the Survey Area (excluding the WRA) provide foraging sites for the Eastern Cattle Egret. Upon the completion of the WRA the area had changed from open storage to restored open-water wetland, reedbeds, tall vegetation as well as short grassland along the cell bunds. In the coming months the vegetation along the EVA and pond bunds of the Cells will be closely monitored, controlled and maintained, in order to attract more insect and Eastern Cattle Egrets.

Although the biannual mean of Little Egret did not meet the target level, the species was recorded in 18 out of 26 regular surveys within the WRA. The highest count in this period was 3 birds in Cell 2 on 3 March 2022.

Although the target level for Eastern Cattle Egret has not been achieved between November 2021 and April 2022, the WRA continues to attract wetland dependent birds and/or species of conservation importance, as well as terrestrial birds of conservation importance.

The biannual change of bird species number and composition since the WRA establishment in Oct 2012 is presented in **Table 4.3**, which shows a steady number of conservation importance species and/or wetland-dependent species continuously recorded in the WRA. This indicates that the WRA provides a suitable habitat for these species.

**Table 4.3: Total number of bird species of conservation importance and/or wetland-dependence recorded in the WRA from November 2010 to April 2022**

Common Name	Nov 10 - Oct 11	Nov 11 - Oct 12	Nov 12 - Oct 13	Nov 13 - Oct 14	Nov 14 - Oct 15	Nov 15 - Oct 16	Nov 16 - Oct 17	Nov 17 - Oct 18	Nov 18 - Oct 19	Nov 19 - Oct 20	Nov 20 - Oct 21	Nov 21 - Apr 22
Bird species of conservation importance and/ or wetland-dependence	48	33	36	39	45	46	46	42	34	52	51	42

### 4.3 Adaptive Management for WRA

As the Proposed Comprehensive Development at Wo Shang Wai is still under construction phase, it is considered acceptable for the target species levels to have not been achieved. However, should this situation continue, a review of the management of the WRA and adaptive management steps will be required.

The mitigation actions including: 1) Lowering the water level; 2) Controlling the vegetation; and 3) Removal of Red Imported Fire Ant nests have been taken in the WRA during the survey period to increase the WRA utilization by birds, especially for the three target species of the WRA. The mitigation actions will be continued in the WRA, and monitoring will be carried out to investigate the effectiveness of the mitigation actions.

A summary of the annual mean of bird species of conservation importance and/or wetland-dependence recorded in the WRA from November 2021 to April 2022 is shown in **Table 4.4**. 26 additional species of conservation importance and/or wetland-dependence have been recorded in the WRA when compared to the Baseline Ecological Monitoring. The increase in number of the species of conservation importance indicates that the WRA is providing a suitable habitat for them.

**Table 4.4: Mean number of bird species of conservation importance and/or wetland-dependence in the WRA during reporting period**

Common Name	Scientific Name <sup>(1)</sup>	Wetland Dependence	Conservation Status <sup>(2)</sup>	Annual mean number recorded during the Baseline Ecological Monitoring	Mean number recorded between Nov 2021 - Apr 2022 <sup>(3)</sup>
Little Grebe	<i>Tachybaptus ruficollis</i>	Y	LC	0	0.8
Great Cormorant	<i>Phalacrocorax carbo</i>	Y	PRC	0.5	0.5
Grey Heron	<i>Ardea cinerea</i>	Y	PRC	0.1	1.2
Purple Heron	<i>Ardea purpurea</i>	Y	RC	0	0.2
Great Egret	<i>Ardea alba</i>	Y	PRC, (RC)	V	1.3
Intermediate Egret	<i>Egretta intermedia</i>	Y	RC	0	0.2
Little Egret	<i>Egretta garzetta</i>	Y	PRC, (RC)	5.5	1.5
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	Y	(LC)	1.3	0.2
Chinese Pond Heron	<i>Ardeola bacchus</i>	Y	PRC, (RC)	1.3	1.7
Yellow Bittern	<i>Ixobrychus sinensis</i>	Y	(LC)	0	0.1
Great Bittern	<i>Botaurus stellaris</i>	Y	RC	0	<0.1
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Y	(LC)	0.2	0.4
Eurasian Teal	<i>Anas crecca</i>	Y	RC	0	0.1
Garganey	<i>Anas querquedula</i>	Y	-	0	0.1
Western Osprey	<i>Pandion haliaetus</i>	Y	Class II, RC	0	<0.1
Black Kite	<i>Milvus migrans</i>	Y	Class II, (RC)	1.2	0.8
Greater Spotted Eagle	<i>Clanga clanga</i>	Y	Class II, GC	0	<0.1
Eastern Imperial Eagle	<i>Aquila heliaca</i>	Y	Class I, GC	0	<0.1
Eastern Buzzard	<i>Buteo japonicus</i>	Y	Class II	0	0.2
White-breasted Waterhen	<i>Amauromis phoenicurus</i>	Y	-	0.2	1.1
Common Moorhen	<i>Gallinula chloropus</i>	Y	-	0	2.2
Common Greenshank	<i>Tringa nebularia</i>	Y	RC	0	0.3
Green Sandpiper	<i>Tringa ochropus</i>	Y	-	0	0.9
Wood Sandpiper	<i>Tringa glareola</i>	Y	LC	0	1.4
Common Sandpiper	<i>Actitis hypoleucos</i>	Y	-	0.2	0.8
Common Snipe	<i>Gallinago gallinago</i>	Y	-	0.1	0.1
Pacific Swift	<i>Apus pacificus</i>	N	(LC)	0	0.1



Common Name	Scientific Name <sup>(1)</sup>	Wetland Dependence	Conservation Status <sup>(2)</sup>	Annual mean number recorded during the Baseline Ecological Monitoring	Mean number recorded between Nov 2021 - Apr 2022 <sup>(3)</sup>
Pied Kingfisher	<i>Ceryle rudis</i>	Y	(LC)	0	0.5
White-throated Kingfisher	<i>Halcyon smymensis</i>	Y	Class II, (LC)	0	0.3
Common Kingfisher	<i>Alcedo atthis</i>	Y	-	0	0.9
Sand Martin	<i>Riparia riparia</i>	Y	-	0	0.2
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Y	-	10	2.3
Grey Wagtail	<i>Motacilla cinerea</i>	Y	-	0	<0.1
White Wagtail	<i>Motacilla alba</i>	Y	-	0.9	3.3
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Y	-	0.1	0.2
Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	Y	-	0	0.1
Zitting Cisticola	<i>Cisticola juncidis</i>	Y	LC	0.1	0.1
Chinese Penduline-Tit	<i>Remiz consobrinus</i>	Y	RC	0	1.3
Red-billed Starling	<i>Spodiopsar sericeus</i>	Y	(RC)*	0	0.2
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	Y	PRC	0	0.1
White-shouldered Starling	<i>Sturnia sinensis</i>	Y	(LC)	0.1	0.1
Collared Crow	<i>Corvus torquatus</i>	Y	LC, NT	0	0.3

Notes:

(1) Follows the List of Hong Kong Birds (ver. 2020-03-10)

(2) Conservation status follows that of Fellowes *et al.* (2002) and BirdLife International listing (2017). Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence. (Fellowes *et al.* 2002)

(3) Refers to the mean number of individuals recorded between Nov 2021 – Apr 2022 in the WRA

V indicates the species is recorded outside regular surveys

\* Red-billed Starling is considered by Fellowes *et al.* (2002) to be of Global Concern. Since publication, however, the global population estimate has been revised and the species is now not considered globally threatened. A listing of Regional Concern (RC) based on the importance of the large roosts present near Deep Bay, is considered to be more appropriate. (Wetland Restoration Plan, Mott, 2008). Red-billed Starling is now listed as Least Concern by IUCN. (IUCN, 2016)

## 4.4 Conclusions

After commencement of works in May 2010, the site formation of the Wetland Restoration Area (WRA) was completed on 15 November 2010. In accordance with the requirement as stipulated in Clause 7.2.12 of the EM&A Manual, the WRA was in operation since October 2012 (i.e. within 2.5 years of commencement of construction).

The survey data shows that when compared with the surrounding fishponds which cover a much larger area, the WRA attracts a good number of wetland dependent birds or species of conservation importance, with 42 bird species of conservation importance and/or wetland-dependence recorded during the survey period. A significantly higher diversity of dragonfly and butterfly species were also observed within the WRA between November 2021 to April 2022.

The WRA is attracting all of the three target species (Little Egret, Eastern Cattle Egret and Chinese Pond Heron) identified during the EIA process, to varying degrees. Even though the target level for Little Egret was not met, the species was recorded in 18 out of 26 regular surveys within the WRA during the survey period. Although the Eastern Cattle Egret was least attracted to the site, the WRA continues to attract wetland dependent birds and/or species of conservation importance and terrestrial birds of conservation importance. It is noted that 89 bird species of conservation importance and/or wetland dependence (out of 160 bird species) have been recorded within the WRA since the completion of its site formation.

The site is therefore considered to have achieved no net loss of wetland in terms of area and function because it continuously attracts bird species of conservation importance, indicating that the WRA not only provides a buffer for potential disturbance during construction phase, but also a valuable habitat for wetland dependent species and species of conservation importance.



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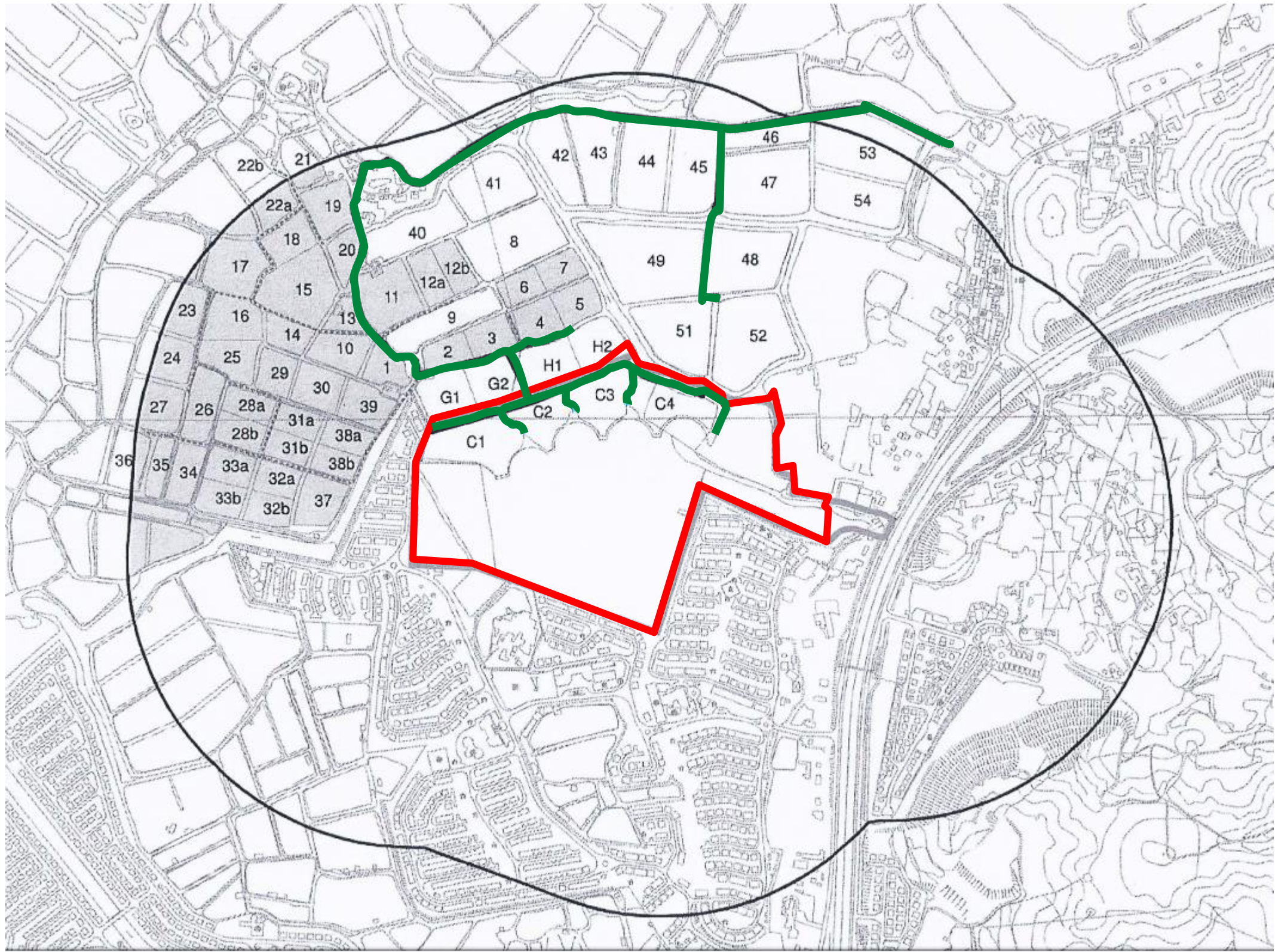
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# Figures







Notes

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Key to symbols

- Project Area
- Assessment Area
- Transect

---

Reference drawings

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Rev	Date	Drawn	Description	Ch'k'd	App'd

**M**  
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Client

**PROFIT POINT ENTERPRISES LIMITED**

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Project

**PROPOSED COMPREHENSIVE DEVELOPMENT  
AT WO SHANG WAI, YUEN LONG**

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Title

**Survey Area and Transect  
Walked**

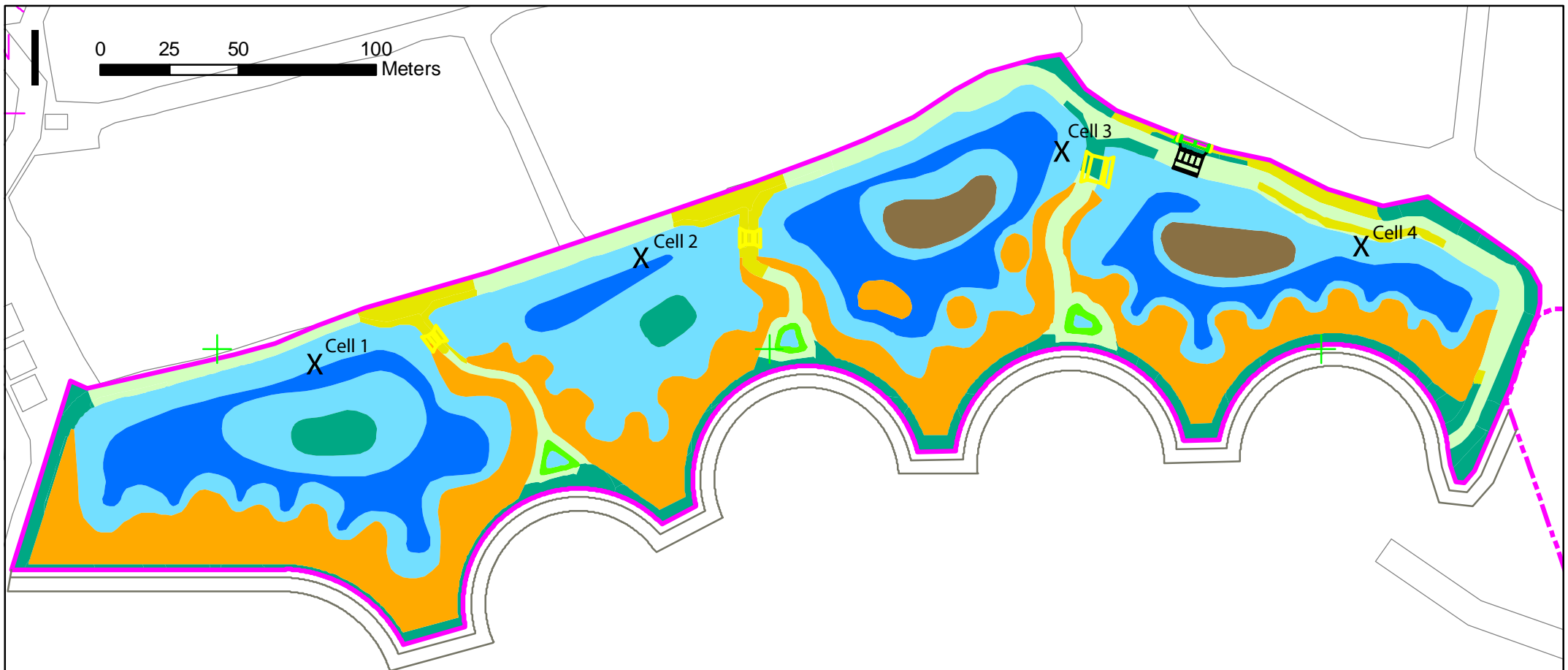
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Designed		Eng check	
Drawn		Coordination	
Dwg check		Approved	
Scale at A1	Status		Rev

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Drawing Number **Figure 1.1**





Asia Ecological Consultants Ltd.

Figure 1.2 Water Quality Monitoring Locations for Ecological Monitoring

Project No.: 08/266/132

Prepared by EW

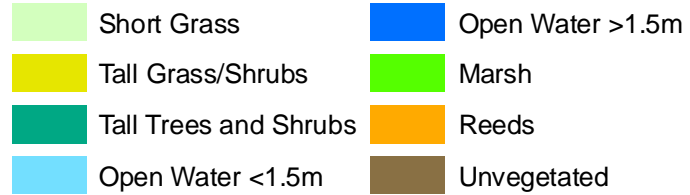
Version No.: 2.0

Checked by SL

Scale 1:2,000 on A4

Date: 04 Nov 2009

X Water Quality Monitoring Locations



# Appendices

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# A. Schedule of Ecological Monitoring

Nov 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Mammals		✓		✓							✓					✓	✓									✓					
Birds				✓							✓					✓										✓					
Herpetofauna		✓(d)																													
Dragonflies & butterflies																	✓														
Water Quality																				✓										#	
Inspection Visits and Water Level Monitoring		✓															✓+														+
Vegetation and Exotic Species Control																										✓					
Dec 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Mammals	✓							✓							✓							✓									✓
Birds	✓							✓							✓							✓									✓
Herpetofauna																															
Dragonflies & butterflies																															
Water Quality																															✓
Inspection Visits and Water Level Monitoring	✓					✓							✓+									✓									
Vegetation and Exotic Species Control	✓														✓										✓						✓

Jan 2022	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Mammals								✓				✓						✓								✓					
Birds								✓				✓						✓								✓					
Herpetofauna																															
Dragonflies & butterflies																															
Water Quality																	✓														
Inspection Visits and Water Level Monitoring			✓											✓					✓+							✓					
Vegetation and Exotic Species Control														✓					✓							✓					
Feb 2022	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Mammals					✓				✓							✓										✓					
Birds					✓				✓							✓										✓					
Herpetofauna																															
Dragonflies & butterflies																															
Water Quality																															✓
Inspection Visits and Water Level Monitoring					✓			✓+								✓							✓+								
Vegetation and Exotic Species Control										✓						✓									✓						
Mar 2022	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Mammals			✓							✓					✓	✓✓				✓										✓✓	
Birds			✓							✓							✓				✓									✓	
Herpetofauna															✓(d)															✓(n)	
Dragonflies & butterflies																	✓														
Water Quality																						✓									
Inspection Visits and Water Level Monitoring		✓								✓					✓+						✓									✓+	
Vegetation and Exotic Species Control		✓													✓						✓									✓	

Apr 2022	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Mammals						✓	✓✓				✓									✓			✓✓				✓			
Birds							✓				✓												✓				✓			
Herpetofauna						✓(d)																	✓(n)							
Dragonflies & butterflies							✓														✓									
Water Quality													✓e																	
Inspection Visits and Water Level Monitoring						✓+						✓									✓+					✓				
Vegetation and Exotic Species Control						✓						✓		✓						✓						✓		✓		

- Notes:
- Light grey cells indicate public holidays, Saturdays or Sundays
  - ✓ Indicates corresponding works
  - + Water level monitoring
  - # Additional pH measurement
  - e Ex-situ laboratory testing
  - "d" and "n" indicate day-time and night-time herpetofauna surveys respectively



## B. Summary of Bird Surveys

**Table B1: Conservation Status Categories of Bird Species**

Code	Category	Brief Description	Source
GC	Global Concern	Habitat loss/ damage in Hong Kong would pose significant threat to global survival.	Fellowes <i>et al.</i> (2002)
RC	Regional Concern	Habitat loss/ damage in Hong Kong would pose significant threat to regional survival.	
LC	Local Concern	Habitat loss/ damage in Hong Kong would pose significant threat to local survival.	
PGC	Potential Global Concern	Large, secure population in Hong Kong is of global significance.	
PRC	Potential Regional Concern	Large, secure population in Hong Kong is of regional significance.	
CR	Critically Endangered	Best available evidence indicates that it meets any of the criteria A to E for Critically Endangered, and it is therefore considered to be facing an extremely high risk of extinction in the wild.	BirdLife International (2017)
EN	Endangered	Best available evidence indicates that it meets any of the criteria A to E for Endangered, and it is therefore considered to be facing a high risk of extinction in the wild.	
VU	Vulnerable	Best available evidence indicates that it meets any of the criteria A to E for Vulnerable, and it is therefore considered to be facing a high risk of extinction in the wild	
NT	Near Threatened	Does not qualify for Critically Endangered or Vulnerable now; but is close to qualifying for or is likely to qualify for a threatened category in the near future.	

**Table B2: Summary of bird monitoring data (for species of conservation importance and/or wetland-dependence) within the Survey Area (excluding the WRA)**

Common Name	Scientific Name <sup>(1)</sup>	Wetland Dependent	Conservation Status <sup>(2)</sup>	Nov 2021 Mean <sup>(3)</sup>	Dec 2021 Mean <sup>(3)</sup>	Jan 2022 Mean <sup>(3)</sup>	Feb 2022 Mean <sup>(3)</sup>	Mar 2022 Mean <sup>(3)</sup>	Apr 2022 Mean <sup>(3)</sup>
Little Grebe	<i>Tachybaptus ruficollis</i>	Y	LC	21.3	21.6	19.8	15.0	16.0	7.3
Great Cormorant	<i>Phalacrocorax carbo</i>	Y	PRC	11.5	49.6	22.3	45.3	63.0	0.0
Grey Heron	<i>Ardea cinerea</i>	Y	PRC	11.0	10.8	17.3	18.3	8.0	1.3
Great Egret	<i>Ardea alba</i>	Y	PRC, (RC)	15.3	15.2	12.8	29.3	6.6	18.5
Intermediate Egret	<i>Egretta intermedia</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.3
Little Egret	<i>Egretta garzetta</i>	Y	PRC, (RC)	15.3	14.6	24.0	38.0	34.6	20.5
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	Y	(LC)	7.0	5.8	0.0	1.8	1.6	0.5
Chinese Pond Heron	<i>Ardeola bacchus</i>	Y	PRC, (RC)	17.3	13.4	17.0	14.8	14.2	11.5
Yellow Bittern	<i>Ixobrychus sinensis</i>	Y	(LC)	0.3	0.0	0.0	0.0	0.0	0.0
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Y	(LC)	1.5	0.2	1.8	1.5	V	1.8
Eurasian Spoonbill	<i>Platalea leucorodia</i>	Y	LC	0.0	0.0	0.3	0.0	0.0	0.0
Black-faced Spoonbill##	<i>Platalea minor</i>	Y	Class I, PGC, EN	0.5	0.6	7.0	10.8	4.8	0.8
Northern Shoveler	<i>Anas clypeata</i>	Y	RC	0.0	0.0	0.5	0.0	0.0	0.0
Tufted Duck	<i>Aythya fuligula</i>	Y	LC	0.0	12.0	19.8	2.5	6.6	0.0
Western Osprey#	<i>Pandion haliaetus</i>	Y	Class II, RC	0.0	0.0	0.0	0.3	0.0	0.0
Black-winged Kite#	<i>Elanus caeruleus</i>	Y	Class II, LC	0.0	0.0	0.0	0.3	0.0	0.0
Black Kite#	<i>Milvus migrans</i>	Y	Class II, (RC)	1.5	2.6	4.3	0.5	0.6	0.3
Eastern Buzzard#	<i>Buteo japonicus</i>	Y	Class II	0.3	0.6	0.0	0.5	0.2	0.0

Common Name	Scientific Name <sup>(1)</sup>	Wetland Dependent	Conservation Status <sup>(2)</sup>	Nov 2021 Mean <sup>(3)</sup>	Dec 2021 Mean <sup>(3)</sup>	Jan 2022 Mean <sup>(3)</sup>	Feb 2022 Mean <sup>(3)</sup>	Mar 2022 Mean <sup>(3)</sup>	Apr 2022 Mean <sup>(3)</sup>
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	Y	-	1.5	1.4	2.3	2.0	2.4	2.0
Common Moorhen	<i>Gallinula chloropus</i>	Y	-	1.0	0.6	1.0	0.0	0.6	3.0
Black-winged Stilt	<i>Himantopus himantopus</i>	Y	RC	0.3	0.0	0.8	4.3	8.8	4.8
Pied Avocet	<i>Recurvirostra avosetta</i>	Y	RC	0.0	0.0	0.0	0.0	1.0	2.8
Little Ringed Plover	<i>Charadrius dubius</i>	Y	(LC)	0.0	0.0	1.0	0.3	0.6	0.0
Common Redshank	<i>Tringa totanus</i>	Y	RC	0.3	0.0	0.0	0.0	0.2	0.0
Common Greenshank	<i>Tringa nebularia</i>	Y	RC	0.5	0.2	1.8	0.5	0.4	2.3
Marsh Sandpiper	<i>Tringa stagnatilis</i>	Y	RC	0.5	0.0	0.0	0.0	0.0	2.5
Green Sandpiper	<i>Tringa ochropus</i>	Y	-	1.5	0.4	1.5	0.5	0.8	0.3
Wood Sandpiper	<i>Tringa glareola</i>	Y	LC	0.0	0.0	0.0	1.5	2.4	2.5
Common Sandpiper	<i>Actitis hypoleucos</i>	Y	-	3.5	2.0	2.5	3.3	4.2	3.8
Common Snipe	<i>Gallinago gallinago</i>	Y	-	0.3	0.0	0.0	0.3	0.0	0.0
Black-headed Gull	<i>Chroicocephalus ridibundus</i>	Y	PRC	0.0	0.0	0.0	1.8	0.0	0.0
Whiskered Tern	<i>Chlidonias hybrida</i>	Y	-	0.0	0.0	0.0	0.0	0.0	13.8
Pied Kingfisher	<i>Ceryle rudis</i>	Y	(LC)	1.0	1.0	1.5	0.8	1.8	0.8
White-throated Kingfisher#	<i>Halcyon smyrnensis</i>	Y	Class II, (LC)	0.5	0.6	0.5	0.3	0.4	0.3
Common Kingfisher	<i>Alcedo atthis</i>	Y	-	4.8	2.4	3.3	3.3	1.8	2.5
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Y	-	4.0	4.4	4.5	5.5	8.2	4.8
Grey Wagtail	<i>Motacilla cinerea</i>	Y	-	0.3	0.0	0.0	0.3	0.2	0.0

Common Name	Scientific Name <sup>(1)</sup>	Wetland Dependent	Conservation Status <sup>(2)</sup>	Nov 2021 Mean <sup>(3)</sup>	Dec 2021 Mean <sup>(3)</sup>	Jan 2022 Mean <sup>(3)</sup>	Feb 2022 Mean <sup>(3)</sup>	Mar 2022 Mean <sup>(3)</sup>	Apr 2022 Mean <sup>(3)</sup>
White Wagtail	<i>Motacilla alba</i>	Y	-	9.0	11.8	6.8	14.8	6.6	3.8
Red-throated Pipit	<i>Anthus cervinus</i>	N	LC	0.5	0.0	0.3	0.0	0.4	0.0
Zitting Cisticola	<i>Cisticola juncidis</i>	Y	LC	1.3	0.0	0.0	0.5	1.0	0.0
Red-billed Starling	<i>Spodiopsar sericeus</i>	Y	(RC)*	0.0	2.0	3.5	1.8	0.0	0.0
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	Y	PRC	0.0	0.4	1.3	0.0	0.0	0.0
White-shouldered Starling	<i>Sturnia sinensis</i>	Y	(LC)	0.0	0.6	0.0	0.0	1.2	4.0
Collared Crow	<i>Corvus torquatus</i>	Y	LC, NT	1.8	1.6	2.5	1.3	1.0	2.8
<b>No. of Species Recorded</b>				<b>30</b>	<b>26</b>	<b>28</b>	<b>32</b>	<b>32</b>	<b>27</b>

Notes:

- (1) Follows the List of Hong Kong Birds (ver. 2020-03-10)
- (2) Conservation status follows that of Fellowes et al. (2002) and BirdLife International listing (2017). See **Table B1** for the description of the codes. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and for roosting sites rather than in general occurrence. (Fellowes et al. 2002)
- (3) Refers to the mean number of individuals recorded in each survey in the Survey Area (excluding the WRA)
- (4) Birds tagged with '#' are Category II protected under terrestrial wildlife state protection. Birds tagged with '##' are Category I protected under terrestrial wildlife state protection
- (5) 'V' indicates the species is recorded outside regular surveys



**Table B3: Summary of bird monitoring data (for species of conservation importance and/or wetland-dependence) in the WRA**

Common Name	Scientific Name <sup>(1)</sup>	Wetland Dependent	Conservation Status <sup>(2)</sup>	Nov 2021 Mean <sup>(3)</sup>	Dec 2021 Mean <sup>(3)</sup>	Jan 2022 Mean <sup>(3)</sup>	Feb 2022 Mean <sup>(3)</sup>	Mar 2022 Mean <sup>(3)</sup>	Apr 2022 Mean <sup>(3)</sup>
Little Grebe	<i>Tachybaptus ruficollis</i>	Y	LC	1.5	0.4	2.0	0.8	0.2	0.3
Great Cormorant	<i>Phalacrocorax carbo</i>	Y	PRC	0.8	1.0	0.3	0.5	0.2	0.0
Grey Heron	<i>Ardea cinerea</i>	Y	PRC	2.3	1.4	2.3	1.5	0.2	0.0
Purple Heron	<i>Ardea purpurea</i>	Y	RC	0.0	0.0	0.5	0.5	0.0	0.0
Great Egret	<i>Ardea alba</i>	Y	PRC, (RC)	0.8	1.6	1.5	1.0	2.2	0.8
Intermediate Egret	<i>Egretta intermedia</i>	Y	RC	0.0	0.4	0.3	0.0	0.0	0.3
Little Egret	<i>Egretta garzetta</i>	Y	PRC, (RC)	0.5	0.8	1.3	1.0	1.6	4.3
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	Y	(LC)	0.0	0.4	0.0	0.0	0.0	0.5
Chinese Pond Heron	<i>Ardeola bacchus</i>	Y	PRC, (RC)	2.5	2.6	2.3	1.5	1.0	0.0
Yellow Bittern	<i>Ixobrychus sinensis</i>	Y	(LC)	0.3	0.4	0.0	0.0	0.0	0.0
Great Bittern	<i>Botaurus stellaris</i>	Y	RC	0.0	0.0	0.0	0.0	0.2	0.0
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Y	(LC)	1.3	1.0	0.0	0.0	V	0.3
Eurasian Teal	<i>Anas crecca</i>	Y	RC	0.0	0.0	0.3	0.3	0.0	0.0
Garganey	<i>Anas querquedula</i>	Y	-	0.0	0.4	0.0	0.0	0.0	0.0
Western Osprey#	<i>Pandion haliaetus</i>	Y	Class II, RC	0.0	0.0	0.0	0.3	0.0	0.0
Black Kite#	<i>Milvus migrans</i>	Y	Class II, (RC)	0.8	1.0	0.8	1.5	0.6	0.5
Greater Spotted Eagle#	<i>Clanga clanga</i>	Y	Class II, GC	0.0	0.2	0.0	0.0	0.0	0.0
Eastern Imperial Eagle##	<i>Aquila heliaca</i>	Y	Class I, GC	0.0	0.0	0.0	0.3	0.0	0.0
Eastern Buzzard#	<i>Buteo japonicus</i>	Y	Class II	0.5	0.0	0.5	0.0	0.2	0.0
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	Y	-	1.8	0.8	0.0	0.5	2.2	1.0
Common Moorhen	<i>Gallinula chloropus</i>	Y	-	2.0	1.2	4.0	2.8	2.0	1.8
Common Greenshank	<i>Tringa nebularia</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	2.3
Green Sandpiper	<i>Tringa ochropus</i>	Y	-	0.5	0.6	2.3	0.8	1.2	0.3
Wood Sandpiper	<i>Tringa glareola</i>	Y	LC	0.0	0.0	4.5	1.3	1.4	1.5

Common Name	Scientific Name <sup>(1)</sup>	Wetland Dependent	Conservation Status <sup>(2)</sup>	Nov 2021 Mean <sup>(3)</sup>	Dec 2021 Mean <sup>(3)</sup>	Jan 2022 Mean <sup>(3)</sup>	Feb 2022 Mean <sup>(3)</sup>	Mar 2022 Mean <sup>(3)</sup>	Apr 2022 Mean <sup>(3)</sup>
Common Sandpiper	<i>Actitis hypoleucos</i>	Y	-	0.0	0.8	0.5	0.0	0.2	3.5
Common Snipe	<i>Gallinago gallinago</i>	Y	-	0.3	0.0	0.0	0.3	0.0	0.0
Pacific Swift	<i>Apus pacificus</i>	N	(LC)	0.0	0.0	0.0	0.0	0.6	0.0
Pied Kingfisher	<i>Ceryle rudis</i>	Y	(LC)	0.0	0.0	0.3	1.3	1.4	0.0
White-throated Kingfisher#	<i>Halcyon smymensis</i>	Y	Class II, (LC)	0.0	0.0	1.0	0.3	0.4	0.5
Common Kingfisher	<i>Alcedo atthis</i>	Y	-	0.3	1.8	0.8	0.8	1.0	0.8
Sand Martin	<i>Riparia riparia</i>	Y	-	0.0	0.0	0.0	0.0	1.2	0.0
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Y	-	0.0	1.4	2.8	1.3	3.2	5.0
Grey Wagtail	<i>Motacilla cinerea</i>	Y	-	0.0	0.0	0.0	0.0	0.2	0.0
White Wagtail	<i>Motacilla alba</i>	Y	-	2.0	2.4	10.0	2.3	2.6	1.0
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Y	-	0.5	0.0	0.0	0.3	0.2	0.0
Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	Y	-	0.8	0.0	0.0	0.0	0.0	0.0
Zitting Cisticola	<i>Cisticola juncidis</i>	Y	LC	0.5	0.0	0.0	0.0	0.0	0.3
Chinese Penduline-Tit	<i>Remiz consobrinus</i>	Y	RC	1.5	0.8	0.5	0.0	2.8	1.8
Red-billed Starling	<i>Spodiopsar sericeus</i>	Y	GC	1.0	0.0	0.0	0.0	0.0	0.0
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	Y	PRC	0.5	0.0	0.0	0.0	0.0	0.0
White-shouldered Starling	<i>Sturnia sinensis</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	0.8
Collared Crow	<i>Corvus torquatus</i>	Y	LC, NT	1.0	0.0	0.0	0.0	0.4	0.3
<b>No. of Species Recorded</b>				<b>23</b>	<b>21</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>21</b>

- Notes:
- (1) Follows the List of Hong Kong Birds (ver. 2020-03-10)
  - (2) Conservation status follows that of Fellows et al. (2002) and BirdLife international listing (2017). See **Table B1** for the description of the codes. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and for roosting sites rather than in general occurrence. (Fellows et al. 2002).
  - (3) Refers to mean number of individuals recorded in each survey in the WRA.
  - (4) Birds tagged with '#' are Category II protected under terrestrial wildlife state protection. Birds tagged with '##' are Category I protected under terrestrial wildlife state protection
  - (5) 'V' indicates the species is recorded outside regular surveys

**Table B4: Summary of Bird Species Recorded at WRA and their Respective Monthly Mean between September 2010 and October 2012**

Common name	Scientific name	Wetland Dependence	Conservation status	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12
Little Grebe	<i>Tachybaptus ruficollis</i>	Y	LC	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	1.0	3.8	0.8	0.5	0.5	0.0	0.6	0.0	1.4	1.6	0.8	1.0	1.3	0.2	0.0	0.2
Great Cormorant	<i>Phalacrocorax carbo</i>	Y	PRC	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grey Heron	<i>Ardea cinerea</i>	Y	PRC	0.0	0.0	1.0	1.6	2.0	2.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.5	1.8	0.8	2.3	0.8	0.0	0.0	0.0	0.3	0.0	0.0	0.4
Purple Heron	<i>Ardea purpurea</i>	Y	RC	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	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Great Egret	<i>Ardea alba</i>	Y	PRC, (RC)	0.0	0.0	0.0	0.4	14.0	2.0	0.2	0.5	0.3	0.5	0.3	0.0	1.5	1.8	0.8	1.2	0.6	0.7	0.6	0.6	1.0	0.3	0.0	0.4	0.5	1.5
Intermediate Egret	<i>Egretta intermedia</i>	Y	RC	0.0	0.0	0.0	0.0	1.7	0.8	0.2	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.0	0.6	0.7	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.9
Little Egret	<i>Egretta garzetta</i>	Y	PRC, (RC)	0.0	0.0	0.0	1.8	8.0	2.0	0.4	0.5	0.8	0.3	0.3	1.0	1.0	0.5	1.5	1.6	1.4	2.0	1.6	0.0	0.0	0.0	0.0	0.8	0.3	1.2
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	11.8	0.0	1.3	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0
Chinese Pond Heron	<i>Ardeola bacchus</i>	Y	PRC, (RC)	0.0	0.0	1.0	0.2	0.0	0.0	0.0	0.3	0.3	0.3	1.5	4.2	7.8	4.5	5.3	2.4	0.3	2.3	2.6	1.4	0.8	1.0	0.8	2.0	1.8	3.6
Yellow Bittern	<i>Ixobrychus sinensis</i>	Y	(LC)	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	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i>	Y	LC	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	0.0	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-crowned Night Heron	<i>Nycticorax nycticorax</i>	Y	(LC)	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Spoonbill	<i>Platalea leucorodia</i>	Y	LC	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	0.0	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-faced Spoonbill	<i>Platalea minor</i>	Y	PGC, EN	0.0	0.0	0.0	0.0	0.3	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mandarin Duck	<i>Aix galericulata</i>	Y	-	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	0.3	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 Wigeon	<i>Anas penelope</i>	Y	RC	0.0	0.0	0.0	1.6	2.5	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Teal	<i>Anas crecca</i>	Y	RC	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	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
Northern Pintail	<i>Anas acuta</i>	Y	RC	0.0	0.0	0.0	0.2	7.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Northern Shoveler	<i>Anas clypeata</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tufted Duck	<i>Aythya fuligula</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Western Osprey	<i>Pandion haliaetus</i>	Y	RC	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-winged Kite	<i>Elanus caeruleus</i>	Y	LC	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	0.0	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 Kite	<i>Milvus migrans</i>	N	(RC)	0.0	0.0	0.0	0.0	0.8	0.3	0.2	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.4

Common name	Scientific name	Wetland Conservation Dependence	status	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12
Crested Serpent Eagle	<i>Spilornis cheela</i>	N	(LC)	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Buzzard	<i>Buteo japonicus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Kestrel	<i>Falco tinnunculus</i>	N	-	0.0	0.0	1.0	0.4	1.0	0.3	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Hobby	<i>Falco subbuteo</i>	Y	(LC)	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peregrine Falcon	<i>Falco peregrinus</i>	N	(LC)	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	0.0	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 Spotted Eagle	<i>Clanga clanga</i>	N	GC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Imperial Eagle	<i>Aquila heliaca</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Japanese Quail	<i>Coturnix japonica</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Baillon's Crake	<i>Porzana pusilla</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8	1.3	2.6	1.3	1.5	0.3	0.0	0.0	0.4	0.0	0.0	0.5	1.0	0.5	0.0	0.0	
Watercock	<i>Gallinula cinerea</i>	Y	RC	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	0.0	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 Moorhen	<i>Gallinula chloropus</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>	Y	LC	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	0.0	0.3	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	<i>Rostratula benghalensis</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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	0.0	0.0	0.0	0.0	0.0	0.0
Black-winged Stilt	<i>Himantopus himantopus</i>	Y	RC	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pied Avocet	<i>Recurvirostra avosetta</i>	Y	RC	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Pratincole	<i>Glareola maldivarum</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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	0.0	0.0	0.0	0.0	0.0	0.0
Little Ringed Plover	<i>Charadrius dubius</i>	Y	(LC)	3.0	0.0	24.5	7.4	3.8	9.0	6.8	10.5	5.5	0.5	0.0	0.2	0.0	0.0	0.0	0.0	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kentish Plover	<i>Charadrius alexandrinus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spotted Redshank	<i>Tringa erythropus</i>	Y	RC	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	0.0	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 Redshank	<i>Tringa totanus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Marsh Sandpiper	<i>Tringa stagnatilis</i>	Y	RC	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	0.0	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 Greenshank	<i>Tringa nebularia</i>	Y	RC	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Common name	Scientific name	Wetland Conservation Dependence	status	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12
Green Sandpiper	<i>Tringa ochropus</i>	Y	-	0.0	0.0	1.0	0.4	0.5	0.5	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.4	0.0	0.0	0.2	0.0	0.0
Wood Sandpiper	<i>Tringa glareola</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.3	0.0	0.0	0.0	0.0	0.6	0.0	0.0
Common Sandpiper	<i>Actitis hypoleucos</i>	Y	-	1.0	0.0	0.5	1.0	0.0	0.5	0.6	1.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.9
Eurasian Woodcock	<i>Scolopax rusticola</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pintail/ Swinhoe's Snipe^	<i>Gallinago stenura/ G. megala</i>	Y	LC	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Snipe	<i>Gallinago gallinago</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.3	0.2	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	0.0	0.0	0.0	0.0	0.0	0.0
Red-necked Stint	<i>Calidris ruficollis</i>	Y	LC	3.0	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	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	<i>Calidris temminckii</i>	Y	LC	0.0	0.0	0.5	0.0	0.0	2.5	0.4	1.3	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	0.0	0.0	0.0	0.0	0.0
Long-toed Stint	<i>Calidris subminuta</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Whiskered Tern	<i>Chlidonias hybrida</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
Domestic Pigeon	<i>Columba livia</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DS	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	0.0
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Turtle Dove	<i>Streptopelia orientalis</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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
Red Turtle Dove	<i>Streptopelia tranquebarica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spotted Dove	<i>Spilopelia chinensis</i>	N	-	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	0.0	0.0	DS	0.0	DS	DS	0.0	DS	0.0	0.0	DS	0.0	0.6
Asian Koel	<i>Eudynamis scolopaceus</i>	N	-	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	0.0	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 Coucal#	<i>Centropus sinensis</i>	N		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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Eagle Owl	<i>Bubo bubo</i>	N	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savanna Nightjar	<i>Caprimulgus affinis</i>	N	-	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	0.0	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 Swift	<i>Apus pacificus</i>	N	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	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	0.0	0.0	0.0	0.0	0.0
House Swift	<i>Apus nipalensis</i>	N	-	10.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DS	DS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pied Kingfisher	<i>Ceryle rudis</i>	Y	(LC)	0.0	0.0	0.0	0.2	0.3	0.5	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0

Common name	Scientific name	Wetland Conservation Dependence status	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	
Common Kingfisher	<i>Alcedo atthis</i>	Y	-	0.0	0.0	0.0	0.4	0.5	0.3	0.0	0.3	0.5	1.0	0.3	1.0	0.8	0.5	0.8	1.0	0.4	0.0	0.8	0.0	0.0	0.0	0.0	0.6	0.0	0.4
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	N	(LC)	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	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Eurasian Hoopoe	<i>Upupa epops</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barn Swallow	<i>Hirundo rustica</i>	N	-	25.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DS	DS	0.0	DS	0.0	DS	DS	3.0	0.0
Red-rumped Swallow	<i>Hirundo daurica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Y	-	0.0	0.0	14.5	10.2	15.0	23.5	8.2	11.8	1.8	0.0	0.0	0.2	0.8	1.5	2.0	1.2	0.6	0.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Grey Wagtail	<i>Motacilla cinerea</i>	Y	-	0.0	0.0	0.0	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.3	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	0.0
White Wagtail	<i>Motacilla alba</i>	Y	-	3.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DS	DS	DS	DS	DS	0.0	0.0	0.0	DS	1.8	3.2	
Richard's Pipit	<i>Anthus richardi</i>	N	-	0.0	0.0	1.5	0.8	0.5	1.0	1.0	1.8	0.5	0.0	0.0	0.0	0.3	0.0	DS	0.0	DS	DS	DS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olive-backed Pipit	<i>Anthus hodgsoni</i>	N	-	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red-throated Pipit	<i>Anthus cervinus</i>	N	LC	0.0	2.0	2.5	1.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Buff-bellied Pipit	<i>Anthus rubescens</i>	N	LC	0.0	1.0	1.5	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chinese Bulbul	<i>Pycnonotus sinensis</i>	N	-	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	0.0	0.0	0.0	0.0	DS	0.0	DS	0.0	DS	0.0	0.0	0.0	
Bull-headed Shrike	<i>Lanius bucephalus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brown Shrike	<i>Lanius cristatus</i>	N	-	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	0.0	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-tailed Shrike	<i>Lanius schach</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DS	DS	0.0	0.0
Oriental Magpie Robin	<i>Copsychus saularis</i>	N	-	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	0.0	0.0	0.0	0.0	DS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Daurian Redstart	<i>Phoenicurus aureus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	N	-	0.0	3.0	0.5	1.0	1.0	0.8	0.2	0.3	0.0	0.0	0.0	0.0	0.0	1.0	0.0	DS	DS	0.0	DS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DS	0.0	0.0	0.0
Lanceolated Warbler	<i>Locustella lanceolata</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	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 name	Scientific name	Wetland Dependence	Conservation status	Sep- 10	Oct- 10	Nov- 10	Dec- 10	Jan- 11	Feb- 11	Mar- 11	Apr- 11	May- 11	Jun- 11	Jul- 11	Aug- 11	Sep- 11	Oct- 11	Nov- 11	Dec- 11	Jan- 12	Feb- 12	Mar- 12	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	
Pallas's Grasshopper Warbler	<i>Locustella certhiola</i>	Y	LC	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	0.3	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
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Y	-	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	0.0	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
Thick-billed Warbler	<i>Acrocephalus aedon</i>	Y	LC	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	0.0	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-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	Y	-	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	0.3	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 Tailorbird	<i>Orthotomus sutorius</i>	N	-	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	0.0	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
Zitting Cisticola	<i>Cisticola juncidis</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.5	2.5	2.5	1.0	0.4	0.0	0.3	0.8	1.8	0.2	0.3	0.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	N	-	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	0.0	0.0	0.0	DS	0.0	DS	0.0	DS	0.0	DS	DS	0.8	0.4	
Plain Prinia	<i>Prinia inornata</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	DS	0.0	DS	0.0	DS	DS	0.0	0.0	
Dusky Warbler	<i>Phylloscopus fuscatus</i>	N	-	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	0.5	0.0	DS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	N	-	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	0.0	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
Yellow-browed warbler	<i>Phylloscopus inornatus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Chinese Penduline-Tit	<i>Remiz consobrinus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Japanese White-eye	<i>Zosterops japonica</i>	N	-	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	0.0	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 Bunting	<i>Emberiza pusilla</i>	N	-	0.0	0.0	0.5	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-faced Bunting	<i>Emberiza spodocephala</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chinese Grosbeak	<i>Eophona migratoria</i>	N	LC	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	0.3	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
Scaly-breasted Munia	<i>Lonchura punctulata</i>	N	-	20.0	0.0	0.0	0.0	2.5	0.0	15.0	7.5	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	DS	0.0	DS	DS	1.5	0.0
Eurasian Tree Sparrow	<i>Passer montanus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	DS	0.0	DS	0.0	DS	0.0	0.0	0.0	0.0
Red-billed Starling*	<i>Spodiopsar sericeus</i>	N	(RC)*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.8	1.6	6.6	39.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	N	PRC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	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	0.0	0.0
Black-collared Starling	<i>Gracupica nigricollis</i>	N	-	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	0.0	0.0	DS	DS	DS	DS	0.0	0.0	0.0	0.0	DS	0.0	0.0	0.0

Common name	Scientific name	Wetland Conservation Dependence	Conservation status	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12		
White-shouldered Starling	<i>Sturnia sinensis</i>	N	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Common Myna	<i>Acridotheres tristis</i>	N	-	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	0.0	0.0	0.0	0.0	DS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Crested Myna	<i>Acridotheres cristatellus</i>	N	-	3.0	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	0.0	DS	0.0	0.0	0.0	0.0	DS	0.0	0.0	DS	0.0	V		
Black-naped Oriole	<i>Oriolus chinensis</i>	N	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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 Drongo	<i>Dicrurus macrocercus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DS	DS	0.0	0.0
Azure-winged Magpie	<i>Cyanopica cyanus</i>	N	-	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	0.0	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	
Eurasian Magpie	<i>Pica pica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	DS	0.0	0.0	0.0	0.0	0.0	DS	0.3	0.0	
Large-billed Crow	<i>Corvus macrorhynchos</i>	N	-	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Collared Crow	<i>Corvus torquatus</i>	N	LC, NT	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.5	0.0	0.3	0.0	0.8	0.8	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	

Notes:

- (1) Conservation Status follows that of Fellows et. al. (2002) and BirdLife International listing (2017). See **Table B1** for the description of the codes. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and for roosting sites rather than in general occurrence. (Fellowes et al. 2002)
- (2) Updated species names used in the report include Eurasian Magpie (*Pica serica*) as Oriental Magpie (*Pica pica*), Japanese White-eye (*Zosterops japonica*) as Swinhoe's White-eye (*Zosterops simplex*), Chinese Bulbul (*Pycnonotus sinensis*) as Light-vented Bulbul (*Pycnonotus sinensis*) and Pale Martin (*Riparia diluta*) as Sand Martin (*Riparia riparia*)
- ^ Pintail Snipe and Swinhoe's Snipe cannot be distinguished in field, conservation status refers to Swinhoe's Snipe.
- V Indicates the species is recorded outside regular surveys.
- DS Indicates species recorded during survey.
- # Greater Coucal is listed as vulnerable (VU) in China Red Data Book and it is protected terrestrial wildlife state protection (category II).
- \* Red-billed Starling is considered by Fellows *et al* (2002) to be of Global Concern. Since publication, however, the global population estimate has been revised and the species is now not considered globally threatened. A listing of Regional Concern (RC) based on the importance of the large roosts present near Deep Bay, is considered to be more appropriate. (Wetland Restoration Plan, Mott, 2008). Red-billed Starling is now listed as Least Concern by IUCN. (IUCN, 2016)



**Table B5: Summary of Bird Species Recorded at the WRA and their Respective Monthly Mean between November 2012 and October 2014**

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14
Little Grebe	<i>Tachybaptus ruficollis</i>	Y	LC	1.0	0.8	1.2	0.4	0.6	0.4	1.5	0.5	0.0	0.6	0.5	1.2	0.6	2.2	1.8	5.3	4.5	2.4	0.8	2.0	3.2	1.8	1.6	1.4
Great Cormorant	<i>Phalacrocorax carbo</i>	Y	PRC	0.8	3.8	0.8	1.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.2	V	0.4	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Grey Heron	<i>Ardea cinerea</i>	Y	PRC	0.8	1.3	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	V	1.0	2.8	2.6	1.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.6
Purple Heron	<i>Ardea purpurea</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Great Egret	<i>Ardea alba</i>	Y	PRC, (RC)	1.4	0.5	1.0	0.8	0.2	0.6	0.0	0.8	0.6	0.0	0.0	0.6	0.6	2.4	1.2	1.8	0.8	0.2	V	0.5	V	V	0.2	V
Intermediate Egret	<i>Egretta intermedia</i>	Y	RC	0.2	V	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	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Little Egret	<i>Egretta garzetta</i>	Y	PRC, (RC)	0.8	1.8	2.2	1.4	0.6	1.2	0.6	1.8	0.4	3.4	0.5	2.2	1.4	2.4	4.4	4.0	3.8	3.2	1.2	3.3	1.8	1.3	2.6	1.6
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	Y	(LC)	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	0.0	0.0	0.0	1.6	V	0.0	0.0	0.0	0.0	0.0	0.0
Chinese Pond Heron	<i>Ardeola bacchus</i>	Y	PRC, (RC)	1.6	1.0	2.4	0.4	V	V	0.0	0.0	0.8	2.0	0.5	1.4	1.4	2.6	6.8	3.5	2.5	1.0	1.6	1.0	1.4	1.5	4.2	1.4
Yellow Bittern	<i>Ixobrychus sinensis</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	V	1.0	2.5	0.2	1.4	1.3	0.8	0.4	0.2	0.0	0.0	V	V	0.4	1.3	1.0	0.8	0.2	0.2
Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Y	(LC)	V	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	V	0.0	V	0.0	0.0	0.0	0.0	V
Eurasian Spoonbill	<i>Platalea leucorodia</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-faced Spoonbill	<i>Platalea minor</i>	Y	PGC, EN	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	0.0	0.0	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mandarin Duck	<i>Aix galericulata</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Wigeon	<i>Anas penelope</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Teal	<i>Anas crecca</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Northern Pintail	<i>Anas acuta</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Northern Shoveler	<i>Anas clypeata</i>	Y	RC	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	7.0	5.5	V	0.0	0.0	0.0	0.0	0.0	0.0	
Tufted Duck	<i>Aythya fuligula</i>	Y	LC	0.0	0.0	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Western Osprey	<i>Pandion haliaetus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-winged Kite	<i>Elanus caeruleus</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black Kite	<i>Milvus migrans</i>	Y	(RC)	0.0	0.3	0.0	0.0	0.6	0.0	0.2	0.3	0.0	1.2	0.8	0.2	0.2	0.0	V	0.5	0.8	0.4	0.6	0.3	0.6	0.0	0.0	0.4

Common name	Scientific name	Wetland Dependence	Conservation status	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13	May- 13	Jun- 13	Jul- 13	Aug- 13	Sep- 13	Oct- 13	Nov- 13	Dec- 13	Jan- 14	Feb- 14	Mar- 14	Apr- 14	May- 14	Jun- 14	Jul- 14	Aug- 14	Sep- 14	Oct- 14
Crested Serpent Eagle	<i>Spilornis cheela</i>	N	(LC)	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	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Buzzard	<i>Buteo japonicus</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Common Kestrel	<i>Falco tinnunculus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Hobby	<i>Falco subbuteo</i>	Y	(LC)	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0
Peregrine Falcon	<i>Falco peregrinus</i>	N	(LC)	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater Spotted Eagle	<i>Clanga clanga</i>	N	GC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Imperial Eagle	<i>Aquila heliaca</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Japanese Quail	<i>Coturnix japonica</i>	N	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Baillon's Crake	<i>Porzana pusilla</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White-breasted Waterhen	<i>Amauromis phoenicurus</i>	Y	-	0.2	V	0.2	v	0.4	0.2	V	1.8	0.2	0.2	V	0.8	0.4	0.0	0.0	0.0	V	0.2	0.2	V	1.4	0.5	0.5	0.2
Watercock	<i>Gallicrex cinerea</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Moorhen	<i>Gallinula chloropus</i>	Y	-	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	0.0	0.0	0.0	V	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater Painted-snipe	<i>Rostratula benghalensis</i>	Y	LC	0.2	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-winged Stilt	<i>Himantopus himantopus</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	V	0.2	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	V
Pied Avocet	<i>Recurvirostra avosetta</i>	Y	RC	0.0	0.3	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Pratincole	<i>Glareola maldivarum</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Little Ringed Plover	<i>Charadrius dubius</i>	Y	(LC)	0.0	V	0.4	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	V	0.4	0.0	V	0.5	0.8	0.0	0.0	0.3	0.0	0.0	0.0	1.2
Kentish Plover	<i>Charadrius alexandrinus</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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	0.0	0.0

Common name	Scientific name	Wetland Dependence	Conservation status	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13	May- 13	Jun- 13	Jul- 13	Aug- 13	Sep- 13	Oct- 13	Nov- 13	Dec- 13	Jan- 14	Feb- 14	Mar- 14	Apr- 14	May- 14	Jun- 14	Jul- 14	Aug- 14	Sep- 14	Oct- 14	
Spotted Redshank	<i>Tringa erythropus</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	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 Redshank	<i>Tringa totanus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Marsh Sandpiper	<i>Tringa stagnatilis</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Greenshank	<i>Tringa nebularia</i>	Y	RC	V	V	V	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	V	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Green Sandpiper	<i>Tringa ochropus</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	1.0	0.6	V	V	0.0	0.5	0.0	0.0	0.0	0.0	V	0.0	V	
Wood Sandpiper	<i>Tringa glareola</i>	Y	LC	V	V	0.0	V	V	0.0	0.0	0.0	0.0	0.0	0.0	V	V	V	V	V	V	0.0	0.0	0.0	0.4	0.3	0.0	0.2	
Common Sandpiper	<i>Actitis hypoleucos</i>	Y	-	0.2	V	V	0.0	V	0.2	0.2	0.0	V	0.6	V	0.8	1.6	0.2	V	0.3	1.3	0.2	0.4	V	V	0.3	2.6	4.4	
Eurasian Woodcock	<i>Scolopax rusticola</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pintail/ Swinhoe's Snipe^	<i>Gallinago stenura/ G. megala</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	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	<i>Gallinago gallinago</i>	Y	-	0.0	V	0.0	0.0	0.0	V	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	0.0	0.0	0.0	0.0	0.0	0.0
Red-necked Stint	<i>Calidris ruficollis</i>	Y	LC	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	0.0	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	<i>Calidris temminckii</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Long-toed Stint	<i>Calidris subminuta</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Whiskered Tern	<i>Chlidonias hybrida</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Domestic Pigeon	<i>Columba livia</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Oriental Turtle Dove	<i>Streptopelia orientalis</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Turtle Dove	<i>Streptopelia tranquebarica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spotted Dove	<i>Spilopelia chinensis</i>	N	-	0.4	1.2	0.4	0.0	0.2	0.2	0.4	0.5	0.8	2.8	2.0	2.6	2.6	3.0	6.2	2.3	2.0	1.0	0.6	1.6	1.2	1.3	2.2	3.6	
Asian Koel	<i>Eudynamis scolopaceus</i>	N	-	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	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Common name	Scientific name	Wetland Dependence	Conservation status	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13	May- 13	Jun- 13	Jul- 13	Aug- 13	Sep- 13	Oct- 13	Nov- 13	Dec- 13	Jan- 14	Feb- 14	Mar- 14	Apr- 14	May- 14	Jun- 14	Jul- 14	Aug- 14	Sep- 14	Oct- 14
Greater Coucal#	<i>Centropus sinensis</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.4	0.8	0.3	0.8	0.5	0.2	0.2
Eurasian Eagle Owl	<i>Bubo bubo</i>	N	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	V	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savanna Nightjar	<i>Caprimulgus affinis</i>	N	-	0.0	0.0	0.0	V	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pacific Swift	<i>Apus pacificus</i>	N	(LC)	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
House Swift	<i>Apus nipalensis</i>	N	-	0.0	0.4	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pied Kingfisher	<i>Ceryle rudis</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	V	0.0	0.0	0.0	0.4	V	0.3	V	0.0	0.0	0.0	V	0.0	0.0	0.0
Common Kingfisher	<i>Alcedo atthis</i>	Y	-	0.2	0.3	0.5	0.4	0.2	0.2	0.6	0.3	0.4	0.4	0.8	1.0	2.0	1.6	1.2	2.3	0.8	1.0	1.2	1.8	0.6	1.3	1.4	1.8
White-throated Kingfisher	<i>Halcyon smymensis</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.2	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0
Eurasian Hoopoe	<i>Upupa epops</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barn Swallow	<i>Hirundo rustica</i>	N	-	0.2	1.0	0.0	0.2	9.2	23.0	11.2	0.0	1.4	1.8	1.0	0.0	V	0.0	0.0	0.5	7.8	15.4	18.0	1.5	1.0	1.5	0.4	V
Red-rumped Swallow	<i>Hirundo daurica</i>	N	-	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Y	-	0.2	0.3	1.4	2.8	2.2	2.2	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.6	0.6	1.0	0.3	0.2	0.0	0.0	0.0	0.0	0.6	0.2
Grey Wagtail	<i>Motacilla cinerea</i>	Y	-	0.6	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Wagtail	<i>Motacilla alba</i>	Y	-	2.6	1.3	0.8	3.0	4.8	2.0	1.0	0.0	1.2	0.4	3.5	2.8	3.6	2.6	1.2	1.3	2.5	1.6	0.6	1.2	0.8	1.8	1.8	3.2
Richard's Pipit	<i>Anthus richardi</i>	N	-	0.2	0.4	1.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	2.0	2.3	3.0	V	0.0	0.0	0.0	0.0	V
Olive-backed Pipit	<i>Anthus hodgsoni</i>	N	-	0.0	0.0	0.0	0.6	1.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Red-throated Pipit	<i>Anthus cervinus</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buff-bellied Pipit	<i>Anthus rubescens</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.2	2.0	0.3	0.0	0.2	0.0	0.0	V	0.0	0.8	1.3	0.3	0.2	0.0	0.0	0.2	0.3	1.2	0.0
Chinese Bulbul	<i>Pycnonotus sinensis</i>	N	-	0.0	0.2	2.0	0.2	0.2	3.2	2.0	3.8	0.0	2.4	3.5	0.2	1.8	4.0	3.8	0.5	0.8	1.6	1.8	2.3	2.2	2.3	0.4	4.6
Bull-headed Shrike	<i>Lanius bucephalus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Brown Shrike	<i>Lanius cristatus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Long-tailed Shrike	<i>Lanius schach</i>	N	-	0.2	0.0	0.4	0.0	0.0	0.2	0.0	V	0.4	0.2	0.3	0.2	0.0	0.2	V	0.3	0.0	0.0	0.2	0.3	0.4	0.5	V	0.0	
Oriental Magpie Robin	<i>Copsychus saularis</i>	N	-	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.2	0.3	V	0.2	0.2	0.4	0.0	0.0	0.2	0.0	0.3	V	V	V	0.0	
Daurian Redstart	<i>Phoenicurus aureus</i>	N	-	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	
Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	N	-	0.4	0.4	0.8	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	V	0.2	0.2	0.4	0.5	0.3	V	0.2	0.0	0.0	0.0	0.0	0.4	
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	N	-	0.0	0.0	0.0	0.0	0.6	1.2	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.4	0.8	V	0.5	0.2	0.2	0.5	V	1.5	0.8	0.0	
Lanceolated Warbler	<i>Locustella lanceolata</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pallas's Grasshopper Warbler	<i>Locustella certhiola</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0
Thick-billed Warbler	<i>Acrocephalus aedon</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	Y	-	0.2	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Tailorbird	<i>Orthotomus sutorius</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Zitting Cisticola	<i>Cisticola juncidis</i>	Y	LC	0.0	0.3	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	N	-	0.0	0.8	0.6	0.8	1.4	4.6	4.4	5.0	2.4	1.8	3.0	2.4	0.8	1.0	0.8	1.3	2.8	0.8	0.8	0.4	0.0	0.0	0.4	0.0	
Plain Prinia	<i>Prinia inornata</i>	N	-	1.2	0.4	V	1.4	0.2	0.2	0.2	0.5	0.8	0.4	0.3	0.0	0.4	0.0	0.2	V	0.8	2.0	1.0	0.0	2.6	4.3	3.4	0.0	
Dusky Warbler	<i>Phylloscopus fuscatus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.4	0.0	0.4	0.8	1.5	V	0.0	0.0	0.0	0.0	V	V	
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	N		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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow-browed warbler	<i>Phylloscopus inornatus</i>	N	-	0.8	0.6	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	0.0	0.0	0.0	0.0	0.0	0.8	0.5	0.0	V	
Chinese Penduline-Tit	<i>Remiz consobrinus</i>	Y	RC	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	V	0.0	4.5	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Japanese White-eye	<i>Zosterops japonica</i>	N	-	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	0.0	0.2	0.0	0.0	0.6	0.0	0.0	V	0.0	0.0	0.0	
Little Bunting	<i>Emberiza pusilla</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Black-faced Bunting	<i>Emberiza spodocephala</i>	N	-	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	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chinese Grosbeak	<i>Eophona migratoria</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scaly-breasted Munia	<i>Lonchura punctulata</i>	N	-	0.0	0.0	0.0	1.0	2.2	1.0	0.0	0.0	2.0	0.4	0.3	0.0	0.0	1.8	1.8	V	1.8	V	3.2	5.8	0.8	1.5	1.3	0.0
Eurasian Tree Sparrow	<i>Passer montanus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	8.8	3.6
Red-billed Starling	<i>Spodiopsar sericeus</i>	Y	(RC)*	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	0.0	0.0	V	0.0	0.0	V	0.0	0.0	0.0	V	0.0
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	Y	PRC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-collared Starling	<i>Gracupica nigricollis</i>	N	-	0.0	0.0	0.8	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.8	0.0	0.8	1.6	0.8	0.5	1.8	0.2	0.2	V	1.0	1.0	1.2	1.4
White-shouldered Starling	<i>Sturnia sinensis</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	V	0.0	V
Common Myna	<i>Acridotheres tristis</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0
Crested Myna	<i>Acridotheres cristatellus</i>	N	-	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.8	0.2	0.0	0.0	2.0	1.8	1.4	0.5	1.3	1.0	0.6	1.0	1.2	3.5	0.2	1.8
Black-naped Oriole	<i>Oriolus chinensis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black Drongo	<i>Dicrurus macrocercus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	V	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	1.5	0.0	0.2
Azure-winged Magpie	<i>Cyanopica cyanus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Magpie	<i>Pica pica</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	V	0.0	0.8	V	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Large-billed Crow	<i>Corvus macrorhynchos</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Collared Crow	<i>Corvus torquatus</i>	Y	LC, NT	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	V	0.5	0.8	0.4	0.0	0.6	0.0	0.4	V

- Notes:
- (1) Conservation Status follows that of Fellows et. al. (2002) and BirdLife International listing (2017). See **Table B1** for the description of the codes. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and for roosting sites rather than in general occurrence. (Fellowes et al. 2002)
  - (2) Updated species names used in the report include Eurasian Magpie (*Pica serica*) as Oriental Magpie (*Pica pica*), Japanese White-eye (*Zosterops japonica*) as Swinhoe's White-eye (*Zosterops simplex*), Chinese Bulbul (*Pycnonotus sinensis*) as Light-vented Bulbul (*Pycnonotus sinensis*) and Pale Martin (*Riparia diluta*) as Sand Martin (*Riparia riparia*)
  - ^ Pintail Snipe and Swinhoe's Snipe cannot be distinguished in field, conservation status refers to Swinhoe's Snipe.
  - V Indicates the species is recorded outside regular surveys.

- DS Indicates species recorded during survey.
- # Greater Coucal is listed as vulnerable (VU) in China Red Data Book and it is protected terrestrial wildlife state protection (category II).
- \* Red-billed Starling is considered by Fellows *et al* (2002) to be of Global Concern. Since publication, however, the global population estimate has been revised and the species is now not considered globally threatened. A listing of Regional Concern (RC) based on the importance of the large roosts present near Deep Bay, is considered to be more appropriate. (Wetland Restoration Plan, Mott, 2008). Red-billed Starling is now listed as Least Concern by IUCN. (IUCN, 2016)

**Table B6: Summary of Bird Species Recorded at the WRA and their Respective Monthly Mean between November 2014 and October 2016**

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	
Little Grebe	<i>Tachybaptus ruficollis</i>	Y	LC	2.5	1.2	2.0	2.0	2.0	0.8	1.2	2.8	1.6	1.8	1.0	2.0	2.3	2.4	3.2	3.3	3.8	2.4	1.4	0.8	1.5	1.4	0.8	V	
Great Cormorant	<i>Phalacrocorax carbo</i>	Y	PRC	0.5	1.8	2.0	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.6	0.2	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.5	
Grey Heron	<i>Ardea cinerea</i>	Y	PRC	2.3	2.6	5.3	4.8	0.8	V	0.0	0.0	0.0	0.0	0.4	1.8	1.3	2.0	1.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	
Purple Heron	<i>Ardea purpurea</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Great Egret	<i>Ardea alba</i>	Y	PRC, (RC)	0.5	1.6	0.8	0.3	V	0.3	V	0.0	0.2	0.3	1.8	1.0	0.3	0.4	0.8	0.3	0.6	0.2	0.2	0.2	0.3	0.6	1.0	0.8	
Intermediate Egret	<i>Egretta intermedia</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Little Egret	<i>Egretta garzetta</i>	Y	PRC, (RC)	3.0	3.6	5.3	3.5	4.6	6.3	1.4	0.6	0.2	1.8	2.0	1.8	2.3	4.8	8.2	3.0	1.6	2.6	1.2	2.4	2.8	4.6	3.6	6.3	
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	Y	(LC)	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	V	0.0	V	0.3	0.0	V	V	
Chinese Pond Heron	<i>Ardeola bacchus</i>	Y	PRC, (RC)	2.0	2.8	2.3	2.8	1.2	1.8	0.6	0.8	1.8	1.3	2.8	5.4	3.3	8.2	3.6	2.0	1.8	0.6	1.2	1.6	5.3	2.6	5.6	6.3	
Yellow Bittern	<i>Ixobrychus sinensis</i>	Y	(LC)	0.3	0.2	0.0	0.0	0.2	0.5	0.4	1.6	0.6	1.0	0.6	2.6	0.3	0.8	0.4	0.5	0.2	0.6	0.6	1.4	4.8	2.0	0.8	0.8	
Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	V	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	0.0	0.0	0.0	0.0	0.0	
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	V	V	V	V	0.0	V	0.0	0.0	0.0	0.0	V	0.0	0.0	0.2	V	1.8	0.4	V	0.0
Eurasian Spoonbill	<i>Platalea leucorodia</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Black-faced Spoonbill	<i>Platalea minor</i>	Y	PGC, EN	0.0	V	V	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Mandarin Duck	<i>Aix galericulata</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Eurasian Wigeon	<i>Anas penelope</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Eurasian Teal	<i>Anas crecca</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Northern Pintail	<i>Anas acuta</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Northern Shoveler	<i>Anas clypeata</i>	Y	RC	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Tufted Duck	<i>Aythya fuligula</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Western Osprey	<i>Pandion haliaetus</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Black-winged Kite	<i>Elanus caeruleus</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	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 Kite	<i>Milvus migrans</i>	Y	(RC)	0.0	0.4	0.0	0.3	0.4	0.5	0.2	0.2	0.0	0.0	0.2	0.4	0.3	0.8	0.2	0.5	1.0	0.2	V	0.2	V	0.4	0.0	0.0	
Crested Serpent Eagle	<i>Spilornis cheela</i>	N	(LC)	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	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	



Common name	Scientific name	Wetland Dependence	Conservation status	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	
Crested Goshawk	<i>Accipiter trivirgatus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Greater Spotted Eagle	<i>Clanga clanga</i>	Y	GC	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Imperial Eagle	<i>Aquila heliaca</i>	Y	-	0.0	0.0	0.0	0.3	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Buzzard	<i>Buteo japonicus</i>	Y	-	0.0	0.0	0.0	V	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	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 Kestrel	<i>Falco tinnunculus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peregrine Falcon	<i>Falco peregrinus</i>	N	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Hobby	<i>Falco subbutec</i>	Y	(LC)	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Japanese Quail	<i>Coturnix japonica</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Baillon's Crane	<i>Porzana pusilla</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White-breasted Waterhen	<i>Amauornis phoenicurus</i>	Y	-	0.5	V	0.8	1.0	0.8	0.3	V	V	0.2	V	0.2	0.6	0.0	0.8	0.4	V	0.4	0.4	0.8	0.2	0.3	0.4	0.6	0.3	0.3
Watercock	<i>Gallicrex cinerea</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Moorhen	<i>Gallinula chloropus</i>	Y	-	V	0.0	V	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	V	0.0	0.2	0.0	V	0.0	V	0.0	0.0	0.0
Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	V	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	<i>Rostratula benghalensis</i>	Y	LC	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	0.0	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	<i>Himantopus himantopus</i>	Y	RC	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	V	0.0	0.8	0.0	V	V	0.0	1.6	0.0	0.0	0.0	0.0	1.0	0.3	
Pied Avocet	<i>Recurvirostra avosetta</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Pratincole	<i>Glareola maldivarum</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Pacific Golden Plover	<i>Pluvialis fulva</i>	Y	LC	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	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Little Ringed Plover	<i>Charadrius dubius</i>	Y	(LC)	1.8	0.2	0.8	0.5	1.6	1.8	2.0	V	0.0	0.0	0.0	0.0	0.0	0.0	V	V	0.0	V	0.0	V	0.0	0.0	0.0	0.0	
Kentish Plover	<i>Charadrius alexandrinus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spotted Redshank	<i>Tringa erythropus</i>	Y	RC	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	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Common Redshank	<i>Tringa totanus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Common name	Scientific name	Wetland Dependence	Conservation status	Nov- 14	Dec- 14	Jan- 15	Feb- 15	Mar- 15	Apr- 15	May- 15	Jun- 15	Jul- 15	Aug- 15	Sep- 15	Oct- 15	Nov- 15	Dec- 15	Jan- 16	Feb- 16	Mar- 16	Apr- 16	May- 16	Jun- 16	Jul- 16	Aug- 16	Sep- 16	Oct- 16
Marsh Sandpiper	<i>Tringa stagnatilis</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Greenshank	<i>Tringa nebularia</i>	Y	RC	V	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	V	V	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Green Sandpiper	<i>Tringa ochropus</i>	Y	-	0.3	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	V	0.8	0.4	0.2	V	V	V	0.0	0.0	0.0	0.0	2.4	0.8
Wood Sandpiper	<i>Tringa glareola</i>	Y	LC	0.0	2.2	V	V	V	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	V	0.5	0.0	0.4	0.0	0.0	V	V	0.6	V	
Common Sandpiper	<i>Actitis hypoleucos</i>	Y	-	0.8	1.2	3.0	2.0	2.2	0.5	0.0	0.0	0.0	0.3	1.2	0.6	0.3	1.2	1.4	0.5	0.6	1.0	1.0	0.0	0.5	V	0.2	1.5
Eurasian Woodcock	<i>Scolopax rusticola</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pintail/ Swinhoe's Snipe^	<i>Gallinago stenura/ G. megala</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Snipe	<i>Gallinago gallinago</i>	Y	-	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Red-necked Stint	<i>Calidris ruficollis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Temminck's Stint	<i>Calidris temminckii</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-toed Stint	<i>Calidris subminuta</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Whiskered Tern	<i>Chlidonias hybrida</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Domestic Pigeon	<i>Columba livia</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Turtle Dove	<i>Streptopelia orientalis</i>	N	-	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	0.2	V	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Turtle Dove	<i>Streptopelia tranquebarica</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
Spotted Dove	<i>Spilopelia chinensis</i>	N	-	1.5	4.2	3.8	1.3	2.2	6.0	3.6	1.6	2.2	2.0	3.0	3.4	1.3	4.8	6.0	3.5	3.4	2.2	2.2	1.8	3.0	3.4	2.2	2.5
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.0	1.2	4.6	11.0	0.2	0.0	0.4	0.0	0.0	0.6	0.4	0.5	
Asian Koel	<i>Eudynamis scolopaceus</i>	N	-	0.0	0.0	0.0	0.0	V	0.0	0.2	0.2	0.0	0.3	V	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	V	0.0
Greater Coucal#	<i>Centropus sinensis</i>	N	-	V	0.2	0.3	0.3	0.6	1.0	0.4	0.2	0.2	V	V	0.0	0.5	1.0	0.0	0.8	V	0.2	0.6	0.6	0.8	0.4	0.2	0.3
Eurasian Eagle Owl	<i>Bubo bubo</i>	N	RC	0.0	V	0.0	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savanna Nightjar	<i>Caprimulgus affinis</i>	N	-	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	V	V	0.0	0.0	0.0	0.0
Pacific Swift	<i>Apus pacificus</i>	N	(LC)	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
House Swift	<i>Apus nipalensis</i>	N	-	0.0	0.0	14.5	105.8	14.4	0.8	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Pied Kingfisher	<i>Ceryle rudis</i>	Y	(LC)	0.0	0.4	0.5	0.3	0.2	0.0	0.2	0.0	0.0	0.8	0.0	0.3	0.0	0.2	0.3	0.0	V	0.2	0.0	0.0	0.0	V	0.0	
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	Y	(LC)	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.4	0.3	0.4	0.4	0.3	0.0	0.2	V	V	0.5	0.2	0.4	V
Common Kingfisher	<i>Alcedo atthis</i>	Y	-	1.3	0.8	1.8	2.8	1.4	1.5	0.8	0.8	0.2	0.5	0.6	2.2	1.5	3.0	3.0	1.3	1.6	1.4	2.0	0.6	2.0	0.2	0.6	0.8
Eurasian Hoopoe	<i>Upupa epops</i>	N	-	0.0	0.0	0.0	0.3	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barn Swallow	<i>Hirundo rustica</i>	N	-	0.5	0.0	13.0	15.3	14.4	9.8	0.2	2.2	0.8	V	0.8	V	2.0	V	0.0	V	1.6	1.6	V	1.4	V	V	0.2	0.0
Red-rumped Swallow	<i>Hirundo daurica</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Y	-	1.8	0.4	2.0	4.3	2.0	1.0	0.0	0.0	0.0	0.0	0.0	V	1.8	1.4	2.0	1.2	1.0	0.0	0.0	0.0	0.0	0.0	0.3	
Grey Wagtail	<i>Motacilla cinerea</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Wagtail	<i>Motacilla alba</i>	Y	-	4.0	5.6	6.3	9.5	4.8	3.3	1.4	V	0.0	0.3	0.4	0.4	0.8	3.8	4.0	2.0	1.0	1.2	0.2	V	0.3	0.4	0.6	1.0
Richard's Pipit	<i>Anthus richardi</i>	N	-	0.3	0.0	0.5	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olive-backed Pipit	<i>Anthus hodgsoni</i>	N	-	0.3	2.2	0.3	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	V	2.8	0.2	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red-throated Pipit	<i>Anthus cervinus</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buff-bellied Pipit	<i>Anthus rubescens</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	N	-	0.8	3.4	7.3	1.3	0.6	0.8	1.0	2.6	5.8	4.5	1.4	1.0	5.3	11.0	20.0	6.5	1.6	4.6	2.6	4.6	1.8	4.0	4.4	8.0
Chinese Bulbul	<i>Pycnonotus sinensis</i>	N	-	5.3	3.0	24.8	10.0	4.8	6.3	5.6	4.6	2.6	1.8	2.6	1.4	3.0	10.2	9.0	5.8	1.0	1.8	2.2	3.0	7.8	7.8	0.4	1.5
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	N	-	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	V	0.0	0.0	V	0.4	2.0	0.0	0.0	0.0	0.0	0.0
Bull-headed Shrike	<i>Lanius bucephalus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brown Shrike	<i>Lanius cristatus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.3	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	0.0	0.0	0.0	0.0	0.0
Long-tailed Shrike	<i>Lanius schach</i>	N	-	0.0	0.2	0.8	0.5	0.4	0.0	0.0	0.0	0.0	0.3	0.4	0.4	0.3	0.6	0.2	0.3	V	0.6	0.4	V	0.5	0.4	0.4	0.0
Oriental Magpie Robin	<i>Copsychus saularis</i>	N	-	0.0	0.2	0.5	0.8	0.6	0.5	0.2	1.2	0.2	0.0	0.0	0.2	0.5	0.2	0.4	0.5	1.0	0.6	V	V	1.3	1.2	0.2	0.0
Daurian Redstart	<i>Phoenicurus aureus</i>	N	-	0.3	1.6	0.8	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.8	0.8	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	N	-	0.3	0.2	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	2.2	0.5	1.0	0.6	0.5	V	V	0.0	0.0	0.0	0.4	V	
Grey-backed thrush	<i>Turdus hortulorum</i>	N	-	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	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Masked Laughingthrush	<i>Garrulax perspicillatus</i>	N	-	0.0	1.2	0.0	1.5	1.0	1.3	1.2	0.4	2.4	3.0	1.2	V	V	2.6	2.0	2.5	2.6	1.6	2.8	1.6	0.8	1.4	0.4	0.0
Lanceolated Warbler	<i>Locustella lanceolata</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pallas's Grasshopper Warbler	<i>Locustella certhiola</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.4	0.0
Thick-billed Warbler	<i>Acrocephalus aedon</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	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-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	Y	-	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	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 Tailorbird	<i>Orthotomus sutorius</i>	N	-	0.5	1.2	1.0	1.5	0.4	0.0	0.0	0.0	0.0	0.8	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.3
Dusky Warbler	<i>Phylloscopus fuscatus</i>	N	-	0.0	0.0	0.0	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	V	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	N	-	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow-browed warbler	<i>Phylloscopus inornatus</i>	N	-	0.3	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.8	0.0	0.0	V	0.0	V	0.0	0.0	0.0
Zitting Cisticola	<i>Cisticola juncidis</i>	Y	LC	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	0.6	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	N	-	0.5	0.0	0.3	0.3	2.6	0.8	2.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.6	0.8	0.0	0.2	1.3	0.2	V	V
Plain Prinia	<i>Prinia inornata</i>	N	-	2.8	0.2	1.3	3.5	1.6	2.8	1.2	1.0	1.6	1.5	0.6	0.6	2.3	1.0	0.6	0.8	1.0	0.6	2.8	1.8	0.8	1.0	0.2	0.5
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	N	-	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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chinese Penduline-Tit	<i>Remiz consobrinus</i>	Y	RC	0.0	0.4	1.5	4.5	3.2	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	V	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Great Tit**	<i>Parus major</i>	N	-	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	0.0	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Japanese White-eye	<i>Zosterops japonica</i>	N	-	0.0	1.0	V	V	0.2	0.0	0.2	V	3.8	4.3	0.0	0.0	0.0	0.4	3.2	V	V	0.0	1.4	0.4	V	0.8	0.8	V
Little Bunting	<i>Emberiza pusilla</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-faced Bunting	<i>Emberiza spodocephala</i>	N	-	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chinese Grosbeak	<i>Eophona migratoria</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scaly-breasted Munia	<i>Lonchura punctulata</i>	N	-	3.3	0.6	V	V	4.0	11.3	0.6	V	V	3.3	1.6	0.4	2.3	2.2	1.4	0.0	0.2	V	0.0	0.0	0.0	2.2	V	0.0

Common name	Scientific name	Wetland Dependence	Conservation status	Nov- 14	Dec- 14	Jan- 15	Feb- 15	Mar- 15	Apr- 15	May- 15	Jun- 15	Jul- 15	Aug- 15	Sep- 15	Oct- 15	Nov- 15	Dec- 15	Jan- 16	Feb- 16	Mar- 16	Apr- 16	May- 16	Jun- 16	Jul- 16	Aug- 16	Sep- 16	Oct- 16	
Eurasian Tree Sparrow	<i>Passer montanus</i>	N	-	0.0	V	4.5	4.0	1.4	0.0	0.2	0.0	0.4	0.0	0.6	0.4	V	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0	V	V	0.0	
Red-billed Starling	<i>Spodiopsar sericeus</i>	Y	(RC)*	0.0	0.0	0.0	24.5	V	0.0	V	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	Y	PRC	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	V	0.0	V	0.0	0.8	V	1.0	0.0	0.0	0.0	0.0	
Black-collared Starling	<i>Gracupica nigricollis</i>	N	-	0.3	3.0	1.3	2.0	4.2	2.3	2.0	1.0	1.6	1.8	0.4	1.6	V	2.2	1.0	3.5	0.4	1.0	1.0	0.8	0.8	2.2	0.6	1.8	
White-shouldered Starling	<i>Sturnia sinensis</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.2	V	0.0	V	0.0	V	
Common Myna	<i>Acridotheres tristis</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.5	V	0.0	0.0	
Crested Myna	<i>Acridotheres cristatellus</i>	N	-	2.8	4.0	0.0	0.5	2.2	2.3	2.8	6.8	0.4	1.8	0.2	0.6	V	4.8	1.2	3.8	1.2	4.6	0.6	1.8	0.3	4.4	1.0	0.0	
Black-naped Oriole	<i>Oriolus chinensis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black Drongo	<i>Dicrurus macrocercus</i>	N	-	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.6	0.6	0.0	V	0.2	0.3	0.0	0.0	0.0	0.0	0.0	1.0	1.2	1.5	
Azure-winged Magpie	<i>Cyanopica cyanus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Magpie	<i>Pica pica</i>	N	-	0.0	0.0	0.3	0.8	V	0.5	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.2	V	0.0	V	0.0	0.0	V	
Large-billed Crow	<i>Corvus macrorhynchos</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	
Collared Crow	<i>Corvus torquatus</i>	Y	LC, NT	0.0	0.0	0.0	0.0	0.0	V	0.2	0.0	0.0	0.0	0.6	0.4	0.0	V	0.4	0.0	V	0.2	0.0	V	V	V	0.4	0.0	

- Notes:
- (1) Conservation Status follows that of Fellows et. al. (2002) and BirdLife International listing (2017). See **Table B1** for the description of the codes. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and for roosting sites rather than in general occurrence. (Fellowes et al. 2002)
  - (2) Updated species names used in the report include Eurasian Magpie (*Pica serica*) as Oriental Magpie (*Pica pica*), Japanese White-eye (*Zosterops japonica*) as Swinhoe's White-eye (*Zosterops simplex*), Chinese Bulbul (*Pycnonotus sinensis*) as Light-vented Bulbul (*Pycnonotus sinensis*) and Pale Martin (*Riparia diluta*) as Sand Martin (*Riparia riparia*)
  - ^ Pintail Snipe and Swinhoe's Snipe cannot be distinguished in field, conservation status refers to Swinhoe's Snipe.
  - V Indicates the species is recorded outside regular surveys.
  - DS Indicates species recorded during survey.
  - # Greater Coucal is listed as vulnerable (VU) in China Red Data Book and it is protected terrestrial wildlife state protection (category II).
  - \* Red-billed Starling is considered by Fellows et al (2002) to be of Global Concern. Since publication, however, the global population estimate has been revised and the species is now not considered globally threatened. A listing of Regional Concern (RC) based on the importance of the large roosts present near Deep Bay, is considered to be more appropriate. (Wetland Restoration Plan, Mott, 2008). Red-billed Starling is now listed as Least Concern by IUCN. (IUCN, 2016)
  - \*\* The species name is updated as Cinereous Tit, *Parus cinereus*, since June 2017.

**Table B7: Summary of Bird Species Recorded at the WRA and their Respective Monthly Mean between November 2016 and October 2018**

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18
Little Grebe	<i>Tachybaptus ruficollis</i>	Y	LC	1.8	3.4	2.3	4.0	5.0	1.3	0.4	0.6	V	0.8	2.0	0.8	1.8	3.3	0.6	1.2	1.0	2.8	2.4	1.8	2.4	4.3	2.0	3.6
Great Cormorant	<i>Phalacrocorax carbo</i>	Y	PRC	0.8	1.8	0.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.8	0.4	0.0	0.0	V	0.0	0.0	0.0	V	0.0	0.2
Grey Heron	<i>Ardea cinerea</i>	Y	PRC	1.4	3.4	2.3	4.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5	1.0	0.4	1.5	0.0	0.0	0.0	0.0	0.0	0.3	1.8
Purple Heron	<i>Ardea purpurea</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Great Egret	<i>Ardea alba</i>	Y	PRC, (RC)	0.8	2.2	1.5	2.4	1.2	1.3	2.2	0.8	0.8	0.6	0.2	0.8	2.5	1.0	0.8	1.6	1.0	0.3	0.6	1.5	V	0.3	0.8	1.8
Intermediate Egret	<i>Egretta intermedia</i>	Y	RC	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	0.0	0.0	0.0	V	0.0	0.0	0.0	V	0.0	V	0.0
Little Egret	<i>Egretta garzetta</i>	Y	PRC, (RC)	5.8	5.6	9.3	4.2	6.4	4.0	19.4	2.4	0.3	4.6	2.6	10.2	62.3	15.0	4.0	2.8	5.8	4.0	3.8	4.0	4.4	2.3	3.8	3.4
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	V
Chinese Pond Heron	<i>Ardeola bacchus</i>	Y	PRC, (RC)	5.6	4.4	6.5	6.2	3.6	1.0	2.0	0.8	1.5	4.0	1.6	4.2	4.0	7.0	1.0	0.6	0.3	1.3	1.0	2.0	2.4	1.8	2.3	1.6
Yellow Bittern	<i>Ixobrychus sinensis</i>	Y	(LC)	0.2	0.8	0.0	0.2	0.4	0.5	0.8	2.0	0.5	1.2	0.6	0.2	0.8	0.0	0.2	0.0	0.3	0.0	0.4	0.3	0.4	0.8	0.3	0.4
Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i>	Y	LC	0.0	0.0	0.0	0.0	V	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Y	(LC)	V	0.0	V	V	0.0	V	0.4	V	V	0.0	0.2	0.0	0.3	0.0	0.0	0.0	V	0.0	V	V	V	0.3	V	0.0
Eurasian Spoonbill	<i>Platalea leucorodia</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-faced Spoonbill	<i>Platalea minor</i>	Y	PGC, EN	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mandarin Duck	<i>Aix galericulata</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Wigeon	<i>Anas penelope</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Teal	<i>Anas crecca</i>	Y	RC	0.0	0.0	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Northern Pintail	<i>Anas acuta</i>	Y	RC	0.0	0.0	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Northern Shoveler	<i>Anas clypeata</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tufted Duck	<i>Aythya fuligula</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Western Osprey	<i>Pandion haliaetus</i>	Y	RC	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Besra	<i>Accipiter virgatus</i>	N	-	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	0.0	V	0.0	V	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Black-winged Kite	<i>Elanus caeruleus</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black Kite	<i>Milvus migrans</i>	Y	(RC)	V	0.4	0.3	1.0	0.4	0.3	0.0	0.0	V	0.2	0.6	0.0	1.0	0.8	0.2	0.6	0.3	0.5	0.2	0.5	0.6	0.3	0.8	0.6
Crested Serpent Eagle	<i>Spilornis cheela</i>	N	(LC)	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	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18
Crested Goshawk	<i>Accipiter trivirgatus</i>	N	-	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	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Greater Spotted Eagle	<i>Clanga clanga</i>	Y	GC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Imperial Eagle	<i>Aquila heliaca</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Buzzard	<i>Buteo japonicus</i>	Y	-	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Kestrel	<i>Falco tinnunculus</i>	N	-	0.2	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peregrine Falcon	<i>Falco peregrinus</i>	N	(LC)	0.0	V	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Hobby	<i>Falco subbuteo</i>	Y	(LC)	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	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Japanese Quail	<i>Coturnix japonica</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Baillon's Crane	<i>Porzana pusilla</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	Y	-	0.0	0.4	0.3	0.2	0.6	1.0	0.6	0.2	0.5	0.2	0.4	0.0	0.3	0.3	0.0	V	0.3	0.3	0.2	0.3	1.0	0.5	1.0	0.2
Watercock	<i>Gallicrex cinerea</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Moorhen	<i>Gallinula chloropus</i>	Y	-	V	V	0.3	0.6	V	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	V	V	V	V	0.0	V	V	3.5	1.3	1.2
Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Greater Painted-snipe	<i>Rostratula benghalensis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0
Black-winged Stilt	<i>Himantopus himantopus</i>	Y	RC	0.6	V	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pied Avocet	<i>Recurvirostra avosetta</i>	Y	RC	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Pratincole	<i>Glareola maldivarum</i>	Y	LC	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pacific Golden Plover	<i>Pluvialis fulva</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Little Ringed Plover	<i>Charadrius dubius</i>	Y	(LC)	0.0	1.4	V	0.8	0.8	0.3	0.0	V	0.0	0.0	0.0	0.0	0.0	0.5	0.0	V	0.0	0.0	1.2	0.3	0.0	0.0	0.0	0.0
Kentish Plover	<i>Charadrius alexandrinus</i>	Y	RC	0.6	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spotted Redshank	<i>Tringa erythropus</i>	Y	RC	0.0	0.0	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Redshank	<i>Tringa totanus</i>	Y	RC	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Greenshank	<i>Tringa nebularia</i>	Y	RC	V	V	V	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	V	V	V	0.0	0.0	0.0	0.0	0.0	0.0
Marsh Sandpiper	<i>Tringa stagnatilis</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	2.3	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	0.0	0.0	0.0	0.0	0.0
Green Sandpiper	<i>Tringa ochropus</i>	Y	-	0.6	2.0	0.8	0.8	0.4	0.8	0.0	0.0	V	0.0	0.0	0.0	V	0.0	0.2	0.0	1.3	1.8	0.6	V	0.0	V	0.0	0.0

Common name	Scientific name	Wetland Dependence	Conservation status	Nov- 16	Dec- 16	Jan- 17	Feb- 17	Mar- 17	Apr- 17	May- 17	Jun- 17	Jul- 17	Aug- 17	Sep- 17	Oct- 17	Nov- 17	Dec- 17	Jan- 18	Feb- 18	Mar- 18	Apr- 18	May- 18	Jun- 18	Jul- 18	Aug- 18	Sep- 18	Oct- 18
Wood Sandpiper	<i>Tringa glareola</i>	Y	LC	0.6	0.2	V	0.2	0.2	0.0	0.0	0.0	V	0.0	0.0	0.2	0.0	V	0.6	0.2	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0
Common Sandpiper	<i>Actitis hypoleucos</i>	Y	-	0.4	0.4	0.8	2.2	0.6	1.0	0.0	0.0	V	0.0	0.2	0.6	0.8	0.3	0.8	0.4	1.5	1.3	0.2	0.0	0.4	V	0.0	0.6
Eurasian Woodcock	<i>Scolopax rusticola</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pintail/ Swinhoe's Snipe^	<i>Gallinago stenura/ G. megala</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Snipe	<i>Gallinago gallinago</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	V
Red-necked Stint	<i>Calidris ruficollis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Temminck's Stint	<i>Calidris temminckii</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-toed Stint	<i>Calidris subminuta</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-headed Gull	<i>Chroicocephalus ridibundus</i>	Y	PRC	0.0	0.0	0.0	0.0	0.0	V	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	0.0	0.0	0.0	0.0	0.0
Whiskered Tern	<i>Chlidonias hybrida</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Domestic Pigeon	<i>Columba livia</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Turtle Dove	<i>Streptopelia orientalis</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Turtle Dove	<i>Streptopelia tranquebarica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spotted Dove	<i>Spilopelia chinensis</i>	N	-	2.6	3.8	7.0	4.2	4.4	2.0	1.0	1.4	1.8	2.8	5.3	4.8	2.3	8.0	5.8	6.2	2.0	3.5	3.8	3.0	3.2	3.8	4.8	5.0
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	N	-	0.2	0.6	2.8	0.8	0.2	0.3	0.4	1.0	V	0.4	0.8	2.0	V	0.5	5.8	0.8	0.8	1.5	1.6	1.8	0.4	1.0	2.0	4.2
Asian Koel	<i>Eudynamis scolopaceus</i>	N	-	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	0.0	0.0	0.8	0.8	1.2	V	0.4	V	0.0	0.0	
Greater Coucal#	<i>Centropus sinensis</i>	N	-	V	0.6	0.3	0.6	0.8	0.5	0.4	V	0.5	0.4	0.3	0.4	0.0	0.0	0.3	0.2	0.8	1.0	0.6	0.3	0.6	0.5	0.8	0.4
Eurasian Eagle Owl	<i>Bubo bubo</i>	N	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savanna Nightjar	<i>Caprimulgus affinis</i>	N	-	0.0	0.0	V	0.0	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0
Pacific Swift	<i>Apus pacificus</i>	N	(LC)	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
House Swift	<i>Apus nipalensis</i>	N	-	V	V	0.0	0.0	V	V	0.0	0.0	V	0.0	0.0	0.0	7.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pied Kingfisher	<i>Ceryle rudis</i>	Y	(LC)	0.2	0.6	0.5	V	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	V	V	V	V	0.3	0.4
Black-capped Kingfisher	<i>Halcyon pileata</i>	Y	(LC)	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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White-throated Kingfisher	<i>Halcyon smyrnensis</i>	Y	(LC)	0.2	0.4	V	0.4	0.2	V	0.2	0.2	0.3	0.0	0.0	0.2	0.3	0.5	0.2	V	0.0	0.0	0.0	0.3	0.4	0.3	V	0.2
Common Kingfisher	<i>Alcedo atthis</i>	Y	-	2.2	1.4	1.8	2.6	2.0	0.3	1.0	0.2	0.8	0.4	0.4	1.2	1.0	1.5	0.2	0.2	0.5	1.0	0.4	V	0.4	0.5	1.0	1.6
Eurasian Hoopoe	<i>Upupa epops</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barn Swallow	<i>Hirundo rustica</i>	N	-	0.0	0.0	0.0	1.4	1.2	1.5	1.6	0.0	0.8	V	1.3	0.0	1.0	V	2.3	13.2	4.0	4.5	2.8	0.8	2.2	2.3	1.0	0.8
Red-rumped Swallow	<i>Hirundo daurica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Y	-	0.6	0.4	V	V	0.4	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	V	V	0.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grey Wagtail	<i>Motacilla cinerea</i>	Y	-	0.0	V	V	0.0	V	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	0.0	0.0	0.0	0.0	0.0	V
White Wagtail	<i>Motacilla alba</i>	Y	-	1.6	2.2	V	1.0	1.0	1.0	0.6	0.4	V	0.0	1.4	2.0	1.5	3.5	3.2	1.6	1.5	0.3	V	0.0	0.2	V	0.0	0.8
Richard's Pipit	<i>Anthus richardi</i>	N	-	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Olive-backed Pipit	<i>Anthus hodgsoni</i>	N	-	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.5	0.0	0.0	0.2	0.0	0.8	0.2	0.0	0.0	0.0	0.0	0.0
Red-throated Pipit	<i>Anthus cervinus</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buff-bellied Pipit	<i>Anthus rubescens</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	N	-	1.8	3.2	4.3	1.8	1.8	2.0	1.4	1.2	1.5	0.0	6.0	7.4	V	2.0	2.0	4.4	4.3	6.8	1.6	2.0	1.4	5.0	4.5	10.8
Chinese Bulbul	<i>Pycnonotus sinensis</i>	N	-	0.4	1.4	10.8	4.0	1.6	2.8	2.0	1.2	1.5	1.2	1.8	3.6	V	0.8	2.8	8.2	1.8	2.5	3.8	2.5	0.4	0.5	2.0	0.8
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	N	-	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red-flanked Bluetail	<i>Tarsiger cyanurus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bull-headed Shrike	<i>Lanius bucephalus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brown Shrike	<i>Lanius cristatus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.3	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	0.0	0.0	0.0	0.0	0.0
Long-tailed Shrike	<i>Lanius schach</i>	N	-	0.6	0.2	V	0.2	0.4	0.0	0.0	V	0.3	1.2	0.3	2.2	2.0	1.3	0.3	1.8	V	V	0.0	V	1.2	0.5	0.8	1.0
Oriental Magpie Robin	<i>Copsychus saularis</i>	N	-	0.6	0.0	0.0	0.0	0.0	0.8	0.6	0.8	1.3	1.2	0.0	0.0	2.0	V	0.0	0.0	0.5	2.0	0.0	0.3	0.0	0.0	0.0	0.0
Daurian Redstart	<i>Phoenicurus aureus</i>	N	-	0.2	0.4	V	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.0	0.8	0.8	0.5	0.0	0.0	0.0	2.4	0.0	0.0	0.0
Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	N	-	0.2	0.6	0.3	0.4	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.4	0.3	1.8	0.3	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Chinese Blackbird	<i>Turdus mandarinus</i>	N	-	0.0	0.0	0.0	0.0	V	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	0.0	0.0	0.0	0.0	0.0	V
Grey-backed thrush	<i>Turdus hortulorum</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	N	-	0.2	0.6	1.5	0.8	V	0.8	1.2	1.0	0.5	0.2	0.0	0.4	2.3	2.0	1.3	1.2	1.5	6.5	3.2	0.3	3.0	0.5	0.0	V

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Lanceolated Warbler	<i>Locustella lanceolata</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	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
Pallas's Grasshopper Warbler	<i>Locustella certhiola</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	
Thick-billed Warbler	<i>Acrocephalus aedon</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	Y	-	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V
Common Tailorbird	<i>Orthotomus sutorius</i>	N	-	V	0.0	0.3	0.2	0.6	0.5	0.0	V	V	V	0.0	1.4	1.8	0.0	1.8	0.8	V	6.3	2.0	0.8	V	V	V	0.0	
Dusky Warbler	<i>Phylloscopus fuscatus</i>	N	-	V	V	V	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	V	V	V	V	0.0	0.0	0.0	0.0	0.0	0.0	V
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	N	-	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow-browed warbler	<i>Phylloscopus inornatus</i>	N	-	0.0	V	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bluethroat	<i>Luscinia svecica</i>	N	LC	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	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zitting Cisticola	<i>Cisticola juncidis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	N	-	0.6	0.0	0.0	1.4	1.0	1.0	1.8	V	0.0	0.0	0.0	0.2	0.3	0.0	0.5	0.0	V	0.5	0.6	1.3	0.0	0.0	0.0	0.8	
Plain Prinia	<i>Prinia inornata</i>	N	-	0.4	0.2	1.0	0.8	0.2	0.5	0.6	0.8	0.3	0.2	V	0.0	0.8	0.3	1.0	0.6	0.8	0.0	0.0	0.8	0.0	V	0.0	0.0	
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chinese Penduline-Tit	<i>Remiz consobrinus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cinereous Tit**	<i>Parus cinereus</i>	N	-	0.0	0.0	0.0	0.0	0.4	0.0	0.0	V	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	0.0	0.0	0.0	0.0
Japanese White-eye	<i>Zosterops japonica</i>	N	-	0.0	1.6	V	0.0	0.4	0.0	0.2	0.4	V	0.0	0.0	0.2	0.0	0.0	0.0	0.0	V	0.0	0.0	V	0.0	0.0	0.0	V	
Little Bunting	<i>Emberiza pusilla</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-faced Bunting	<i>Emberiza spodocephala</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chinese Grosbeak	<i>Eophona migratoria</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scaly-breasted Munia	<i>Lonchura punctulata</i>	N	-	0.8	0.0	V	0.0	2.8	0.0	V	1.5	0.0	4.5	1.2	0.0	4.0	3.3	V	V	2.8	3.6	3.5	5.0	0.8	1.0	0.0		
Eurasian Tree Sparrow	<i>Passer montanus</i>	N	-	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.0	1.4	V	1.0	3.3	0.2	0.0	1.8	0.0	2.3	1.6	4.8	5.8	4.0		
Red-billed Starling	<i>Spodiopsar sericeus</i>	Y	(RC)*	V	V	0.5	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	5.0	0.8	8.4	V	V	0.0	0.0	0.3	0.2	V	0.0	0.0	

Common name	Scientific name	Wetland Dependence	Conservation status	Nov- 16	Dec- 16	Jan- 17	Feb- 17	Mar- 17	Apr- 17	May- 17	Jun- 17	Jul- 17	Aug- 17	Sep- 17	Oct- 17	Nov- 17	Dec- 17	Jan- 18	Feb- 18	Mar- 18	Apr- 18	May- 18	Jun- 18	Jul- 18	Aug- 18	Sep- 18	Oct- 18
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	Y	PRC	0.0	0.0	V	0.6	0.0	0.0	V	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	0.0	0.0	0.0	0.0
Black-collared Starling	<i>Gracupica nigricollis</i>	N	-	0.2	0.2	0.3	0.6	0.4	0.5	0.4	0.4	1.0	1.4	1.0	2.2	0.8	2.5	3.0	1.2	0.8	0.3	0.2	0.8	3.2	0.8	0.3	11.4
White-shouldered Starling	<i>Sturnia sinensis</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	V	0.0	0.0	0.0	0.0	0.0
Common Myna	<i>Acridotheres tristis</i>	N	-	0.0	V	0.0	V	V	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	0.0	0.0	0.0	V	0.0	V
Crested Myna	<i>Acridotheres cristatellus</i>	N	-	6.2	1.8	5.8	0.4	0.6	1.5	0.2	2.6	V	2.0	4.0	3.2	9.8	1.5	4.3	2.4	3.0	2.3	1.6	2.8	4.0	0.5	1.5	6.6
Black-naped Oriole	<i>Oriolus chinensis</i>	Y	LC	0.0	0.0	0.0	0.0	V	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	0.0	0.0	0.0	0.0	0.0	0.0
Black Drongo	<i>Dicrurus macrocercus</i>	N	-	0.2	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.3	0.0	0.3	1.0	V	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Azure-winged Magpie	<i>Cyanopica cyanus</i>	N	-	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.0	0.4	0.0	0.0	0.0	V	0.0	V	0.0	0.0
Eurasian Magpie	<i>Pica pica</i>	N	-	0.0	0.2	V	0.4	0.2	V	0.2	0.0	0.0	0.0	0.0	1.4	0.8	0.5	1.0	V	0.5	0.3	0.6	0.0	0.0	0.5	0.8	0.6
Large-billed Crow	<i>Corvus macrorhynchos</i>	N	-	0.0	0.0	0.0	V	0.2	0.0	0.0	V	0.0	0.0	0.0	0.0	V	0.0	V	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
Collared Crow	<i>Corvus torquatus</i>	Y	LC, NT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	V	0.0	1.2	0.3	V	0.2	0.0	V	0.0	0.8	0.8

- Notes:
- (1) Conservation Status follows that of Fellows et. al. (2002) and BirdLife International listing (2017). See **Table B1** for the description of the codes. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and for roosting sites rather than in general occurrence. (Fellowes et al. 2002)
  - (2) Updated species names used in the report include Eurasian Magpie (*Pica serica*) as Oriental Magpie (*Pica pica*), Japanese White-eye (*Zosterops japonica*) as Swinhoe's White-eye (*Zosterops simplex*), Chinese Bulbul (*Pycnonotus sinensis*) as Light-vented Bulbul (*Pycnonotus sinensis*) and Pale Martin (*Riparia diluta*) as Sand Martin (*Riparia riparia*)
  - ^ Pintail Snipe and Swinhoe's Snipe cannot be distinguished in field, conservation status refers to Swinhoe's Snipe.
  - V Indicates the species is recorded outside regular surveys.
  - DS Indicates species recorded during survey.
  - # Greater Coucal is listed as vulnerable (VU) in China Red Data Book and it is protected terrestrial wildlife state protection (category II).
  - \* Red-billed Starling is considered by Fellows et al (2002) to be of Global Concern. Since publication, however, the global population estimate has been revised and the species is now not considered globally threatened. A listing of Regional Concern (RC) based on the importance of the large roosts present near Deep Bay, is considered to be more appropriate. (Wetland Restoration Plan, Mott, 2008). Red-billed Starling is now listed as Least Concern by IUCN. (IUCN, 2016)
  - \*\* The species name is updated as Cinereous Tit, *Parus cinereus*, since June 2017.

**Table B8: Summary of Bird Species Recorded at the WRA and their Respective Monthly Mean between November 2018 and October 2020**

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
Little Grebe	<i>Tachybaptus ruficollis</i>	Y	LC	3.8	3.5	1.5	1.0	1.4	2.0	1.6	1.0	1.6	1.2	2.5	2.4	2.2	1.4	0.2	1.0	1.3	0.8	0.0	0.0	0.8	1.3	1.8	2.0
Great Cormorant	<i>Phalacrocorax carbo</i>	Y	PRC	V	1.8	6.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Grey Heron	<i>Ardea cinerea</i>	Y	PRC	2.0	5.5	2.8	2.8	0.8	0.0	0.0	0.3	0.0	0.0	1.3	1.2	5.4	1.2	1.8	2.0	0.3	V	0.0	0.2	V	0.0	1.0	0.5
Purple Heron	<i>Ardea purpurea</i>	Y	RC	0.5	V	V	0.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	V	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 Egret	<i>Ardea alba</i>	Y	PRC, (RC)	1.3	3.8	2.3	2.5	0.6	1.8	1.0	2.0	0.6	1.2	0.5	1.4	1.8	1.4	3.4	3.5	0.8	0.2	1.0	0.2	0.3	1.0	1.5	1.5
Intermediate Egret	<i>Egretta intermedia</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	V	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5
Little Egret	<i>Egretta garzetta</i>	Y	PRC, (RC)	3.3	7.8	7.3	8.3	3.4	5.3	3.6	7.0	6.6	5.8	5.5	4.0	6.0	4.8	16.4	7.3	11.0	5.2	2.3	1.8	2.0	1.5	1.3	2.3
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	Y	(LC)	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	0.0	0.0	V	0.0	0.2	0.0	0.0	0.0	0.0	1.5	0.5
Chinese Pond Heron	<i>Ardeola bacchus</i>	Y	PRC, (RC)	1.8	4.3	4.5	2.0	1.4	1.5	1.8	5.0	3.6	2.8	2.3	2.8	5.6	5.2	3.4	2.3	2.8	1.4	0.3	0.2	1.0	7.5	3.0	7.8
Yellow Bittern	<i>Ixobrychus sinensis</i>	Y	(LC)	0.3	V	V	V	0.2	0.5	0.4	1.0	1.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.2	0.3	1.8	2.3	0.8
Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Y	(LC)	0.0	V	0.0	0.0	0.0	V	0.0	V	0.2	0.2	V	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.2	V	2.8	5.8	2.3
Black Stork	<i>Ciconia nigra</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Eurasian Spoonbill	<i>Platalea leucorodia</i>	Y	LC	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	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-faced Spoonbill	<i>Platalea minor</i>	Y	PGC, EN	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	0.0	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mandarin Duck	<i>Aix galericulata</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Wigeon	<i>Anas penelope</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Teal	<i>Anas crecca</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Northern Pintail	<i>Anas acuta</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Northern Shoveler	<i>Anas clypeata</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tufted Duck	<i>Aythya fuligula</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Western Osprey	<i>Pandion haliaetus</i>	Y	RC	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	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Besra	<i>Accipiter virgatus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Black-winged Kite	<i>Elanus caeruleus</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	V
Black Kite	<i>Milvus migrans</i>	Y	(RC)	0.5	0.3	0.0	0.3	0.2	0.5	0.2	0.0	0.2	0.2	0.3	0.4	0.2	0.0	V	V	V	V	0.3	0.4	0.5	0.3	0.5	2.0
Crested Serpent Eagle	<i>Spilornis cheela</i>	N	(LC)	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	
Crested Goshawk	<i>Accipiter trivirgatus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.3
Greater Spotted Eagle	<i>Clanga clanga</i>	Y	GC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Imperial Eagle	<i>Aquila heliaca</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eastern Buzzard	<i>Buteo japonicus</i>	Y	-	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	0.0	0.0	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Kestrel	<i>Falco tinnunculus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peregrine Falcon	<i>Falco peregrinus</i>	N	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0
Asian Barred Owlet	<i>Glaucidium cuculoides</i>	N	-	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.5
Eurasian Hobby	<i>Falco subbuteo</i>	Y	(LC)	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	V	0.0
Japanese Quail	<i>Coturnix japonica</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Baillon's Crane	<i>Porzana pusilla</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White-breasted Waterhen	<i>Amauromis phoenicurus</i>	Y	-	V	V	0.0	0.3	0.6	0.8	1.0	V	V	0.6	V	0.2	0.2	0.2	0.4	0.3	0.3	1.8	0.3	V	0.3	2.0	1.8	1.0	0.0
Watercock	<i>Gallicrex cinerea</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Coot	<i>Fulica atra</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Moorhen	<i>Gallinula chloropus</i>	Y	-	1.5	V	V	0.3	V	0.3	0.2	0.0	0.0	0.0	V	0.0	0.0	V	0.0	V	0.3	0.2	0.0	0.0	0.0	0.5	0.5	0.0	0.0
Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Greater Painted-snipe	<i>Rostratula benghalensis</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	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	<i>Himantopus himantopus</i>	Y	RC	0.0	0.0	V	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	0.3	1.0	0.0	V	0.0	0.0	0.0	0.0	
Pied Avocet	<i>Recurvirostra avosetta</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Pratincole	<i>Glareola maldivarum</i>	Y	LC	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	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.3	0.0	
Pacific Golden Plover	<i>Pluvialis fulva</i>	Y	LC	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	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Little Ringed Plover	<i>Charadrius dubius</i>	Y	(LC)	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	0.0	0.0	V	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.5	
Kentish Plover	<i>Charadrius alexandrinus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Spotted Redshank	<i>Tringa erythropus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Common Redshank	<i>Tringa totanus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Common Greenshank	<i>Tringa nebularia</i>	Y	RC	0.0	V	0.0	V	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
Marsh Sandpiper	<i>Tringa stagnatilis</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Green Sandpiper	<i>Tringa ochropus</i>	Y	-	0.0	0.0	0.3	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	V	V	0.2	V	0.5	1.0	V	0.0	0.0	0.0	0.5	0.3	0.0
Wood Sandpiper	<i>Tringa glareola</i>	Y	LC	0.0	V	1.3	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Sandpiper	<i>Actitis hypoleucos</i>	Y	-	V	V	0.3	0.8	0.4	0.5	0.2	V	0.0	0.2	1.3	0.0	V	0.4	V	0.8	1.5	1.2	0.5	0.0	0.0	0.5	0.3	0.3
Eurasian Woodcock	<i>Scolopax rusticola</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pintail/ Swinhoe's Snipe^	<i>Gallinago stenura/ G. megala</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0
Common Snipe	<i>Gallinago gallinago</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5
Red-necked Stint	<i>Calidris ruficollis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Temminck's Stint	<i>Calidris temminckii</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-toed Stint	<i>Calidris subminuta</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-headed Gull	<i>Chroicocephalus ridibundus</i>	Y	PRC	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	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Whiskered Tern	<i>Chlidonias hybrida</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Domestic Pigeon	<i>Columba livia</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Turtle Dove	<i>Streptopelia orientalis</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Turtle Dove	<i>Streptopelia tranquebarica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spotted Dove	<i>Spilopelia chinensis</i>	N	-	6.3	7.0	4.8	5.0	2.2	3.0	2.6	3.5	3.2	4.0	3.5	2.8	4.2	2.4	1.2	1.0	2.3	3.2	3.3	1.4	2.3	4.3	5.0	6.5
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	N	-	3.0	2.3	V	1.3	0.0	0.0	0.4	0.0	0.0	0.4	0.3	0.4	V	V	0.4	V	0.0	0.2	0.0	0.0	0.0	0.5	1.0	1.0
Emerald Dove	<i>Chalcophaps indica indica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0
Asian Koel	<i>Eudynamys scolopaceus</i>	N	-	0.0	0.0	0.0	0.8	0.4	0.8	0.0	0.0	V	0.0	V	0.0	0.0	0.0	0.0	V	V	0.2	0.0	0.2	0.0	0.0	0.0	0.8
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Greater Coucal#	<i>Centropus sinensis</i>	N	-	0.5	0.3	0.0	0.0	0.4	V	V	1.0	0.2	0.2	0.5	0.6	0.6	0.0	0.6	V	0.5	0.8	1.0	0.6	0.0	1.0	0.0	0.0
Eurasian Eagle Owl	<i>Bubo bubo</i>	N	RC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savanna Nightjar	<i>Caprimulgus affinis</i>	N	-	0.0	0.0	0.0	0.0	V	V	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	0.0	0.0	0.0	0.0	0.0
Himalayan Swiftlet	<i>Aerodramus brevirostris</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Pacific Swift	<i>Apus pacificus</i>	N	(LC)	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	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
House Swift	<i>Apus nipalensis</i>	N	-	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	0.0	0.0	1.0	1.3	1.4	V	2.2	V	0.0	1.5	0.0

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
Pied Kingfisher	<i>Ceryle rudis</i>	Y	(LC)	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	V	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Black-capped Kingfisher	<i>Halcyon pileata</i>	Y	(LC)	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	Y	(LC)	0.3	0.3	V	0.3	0.0	V	0.0	0.0	0.0	0.2	0.0	V	0.0	V	V	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Kingfisher	<i>Alcedo atthis</i>	Y	-	0.5	0.3	0.8	0.5	0.6	0.5	0.2	0.8	0.2	0.4	0.5	0.8	1.2	1.2	0.8	0.5	0.3	0.2	0.0	0.0	0.0	1.3	1.0	0.5
Blue-tailed Bee-eater	<i>Merops philippinus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Hoopoe	<i>Upupa epops</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sand Martin	<i>Riparia riparia</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Barn Swallow	<i>Hirundo rustica</i>	N	-	0.0	1.8	V	2.5	4.8	3.8	1.8	3.5	1.2	1.8	V	0.0	0.0	0.0	2.0	V	3.0	6.6	5.5	1.0	0.8	5.0	2.3	8.3
Red-rumped Swallow	<i>Hirundo daurica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Y	-	0.0	V	V	V	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	V	V	1.2	0.0	0.0	0.0	0.0	0.3	0.5
Grey Wagtail	<i>Motacilla cinerea</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
White Wagtail	<i>Motacilla alba</i>	Y	-	1.8	0.8	0.8	3.0	V	1.3	0.0	0.0	0.4	0.0	0.0	0.4	0.6	0.8	1.2	1.0	0.3	1.8	V	0.4	0.0	0.8	2.5	2.8
Richard's Pipit	<i>Anthus richardi</i>	N	-	0.0	0.0	0.3	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	V	0.5	0.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olive-backed Pipit	<i>Anthus hodgsoni</i>	N	-	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	V	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red-throated Pipit	<i>Anthus cervinus</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buff-bellied Pipit	<i>Anthus rubescens</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	N	-	2.0	4.5	0.5	0.8	1.2	V	1.8	1.0	0.0	3.2	1.5	0.6	V	4.4	3.4	2.5	2.8	1.2	1.8	2.6	0.0	5.5	1.8	4.5
Chinese Bulbul	<i>Pycnonotus sinensis</i>	N	-	V	0.5	1.8	3.8	2.0	3.5	1.0	1.3	3.4	0.6	0.5	4.0	2.8	1.6	3.4	2.3	3.5	2.0	2.8	2.0	1.0	1.5	0.8	1.8
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	N	-	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	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-winged Cuckooshrike	<i>Lalage melaschistos</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Red-flanked Bluetail	<i>Tarsiger cyanurus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bull-headed Shrike	<i>Lanius bucephalus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brown Shrike	<i>Lanius cristatus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Long-tailed Shrike	<i>Lanius schach</i>	N	-	0.8	0.0	0.0	0.3	0.0	0.0	0.0	V	0.0	V	0.0	0.0	V	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.3
Oriental Magpie Robin	<i>Copsychus saularis</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	V	V	0.0	V	V	0.5	1.0	0.0	0.0	0.5	1.3	1.0	0.5

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
Daurian Redstart	<i>Phoenicurus aureus</i>	N	-	0.5	2.8	1.5	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.4	V	0.5	V	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	N	-	0.8	2.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	V	0.2	V	0.0	V	V	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Chinese Blackbird	<i>Turdus mandarinus</i>	N	-	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	V	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.0
Grey-backed thrush	<i>Turdus hortulorum</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	N	-	2.0	0.0	1.0	0.3	V	1.3	1.0	1.3	1.8	4.4	V	0.0	V	V	0.8	0.5	1.0	0.4	1.8	1.2	0.0	4.5	3.5	3.8
Lanceolated Warbler	<i>Locustella lanceolata</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pallas's Grasshopper Warbler	<i>Locustella certhiola</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Thick-billed Warbler	<i>Acrocephalus aedon</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	Y	-	0.0	0.0	0.0	0.0	0.0	V	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	0.0	0.0	0.0	0.3	0.3
Common Tailorbird	<i>Orthotomus sutorius</i>	N	-	0.0	0.3	0.0	0.0	V	0.0	0.0	1.5	0.0	0.0	0.0	0.2	0.0	V	0.0	V	V	0.2	0.0	0.4	0.0	1.0	1.3	1.3
Dusky Warbler	<i>Phylloscopus fuscatus</i>	N	-	0.3	4.3	3.0	2.8	V	V	0.0	0.5	0.2	1.0	0.8	0.2	V	0.0	V	V	1.0	0.4	0.0	0.0	0.0	0.0	0.0	4.0
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	N	-	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	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow-browed warbler	<i>Phylloscopus inornatus</i>	N	-	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	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pale-legged Leaf Warbler	<i>Phylloscopus tenellipes</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0
Sakhalin Leaf Warbler	<i>Phylloscopus borealoides</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Bluethroat	<i>Luscinia svecica</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zitting Cisticola	<i>Cisticola juncidis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	N	-	0.3	3.0	2.3	1.8	0.8	0.0	0.0	0.5	0.0	V	0.0	0.6	0.6	0.0	V	V	1.5	1.6	1.3	0.0	0.0	1.8	1.5	1.5
Plain Prinia	<i>Prinia inornata</i>	N	-	0.3	0.0	V	V	0.6	0.0	0.0	0.0	0.0	V	0.5	0.2	V	V	V	V	V	0.2	0.5	0.0	0.3	2.5	2.0	0.5
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.5
Amur Paradise Flycatcher	<i>Terpsiphone incei</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0



Common name	Scientific name	Wetland Dependence	Conservation status	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
Japanese Paradise Flycatcher	<i>Terpsiphone atrocaudata</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Chinese Penduline-Tit	<i>Remiz consobrinus</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cinereous Tit**	<i>Parus cinereus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	1.0
Japanese Tit	<i>Parus minor</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Japanese White-eye	<i>Zosterops japonica</i>	N	-	1.3	0.0	0.0	6.0	0.0	0.0	0.0	V	V	0.0	0.0	1.0	0.0	0.0	V	V	V	0.0	0.0	0.0	V	2.3	4.0	2.3
Little Bunting	<i>Emberiza pusilla</i>	N	-	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	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-faced Bunting	<i>Emberiza spodocephala</i>	N	-	0.0	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chinese Grosbeak	<i>Eophona migratoria</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Scaly-breasted Munia	<i>Lonchura punctulata</i>	N	-	V	5.3	2.8	0.0	1.6	0.0	1.6	0.0	1.0	0.0	0.0	0.0	0.0	1.6	3.0	1.8	2.3	2.0	0.0	0.0	0.0	10.5	11.0	6.0
Eurasian Tree Sparrow	<i>Passer montanus</i>	N	-	7.3	6.5	3.0	4.0	V	1.5	0.0	1.0	0.0	0.8	0.0	1.6	2.4	1.0	0.0	0.3	0.2	0.0	0.6	0.5	0.0	0.0	0.0	0.0
Yellow-fronted Canary	<i>Crithagra mozambica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Red-billed Starling*	<i>Spodiopsar sericeus</i>	Y	(RC)*	0.0	V	V	0.0	0.0	1.3	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	0.0	0.0	0.0	0.0	0.0
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	Y	PRC	0.0	V	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black-collared Starling	<i>Gracupica nigricollis</i>	N	-	4.3	3.8	1.5	2.3	V	0.3	0.2	0.5	0.0	1.6	0.0	1.0	0.0	V	V	V	1.0	0.8	1.5	0.8	0.3	1.3	0.8	4.0
White-shouldered Starling	<i>Sturnia sinensis</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.5	1.5	0.0
Common Myna	<i>Acridotheres tristis</i>	N	-	0.5	0.5	0.5	0.0	0.4	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Crested Myna	<i>Acridotheres cristatellus</i>	N	-	2.3	5.5	0.8	4.8	1.6	0.8	1.4	1.5	0.6	0.4	2.5	0.6	1.0	0.8	1.2	0.0	0.3	4.0	1.3	0.8	0.3	2.3	7.8	4.5
Black-naped Oriole	<i>Oriolus chinensis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black Drongo	<i>Dicrurus macrocerus</i>	N	-	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	V	0.2	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	2.3
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Azure-winged Magpie	<i>Cyanopica cyanus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	V	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
Eurasian Magpie	<i>Pica pica</i>	N	-	1.3	V	0.0	V	0.8	0.3	0.2	0.5	0.0	0.4	0.0	0.4	0.0	0.4	0.6	0.5	0.3	0.0	0.0	0.0	V	0.3	0.5	0.3
Red-billed Blue Magpie	<i>Urocissa erythrorhyncha</i>	N	-	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	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
Large-billed Crow	<i>Corvus macrorhynchos</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collared Crow	<i>Corvus torquatus</i>	Y	LC, NT	0.0	0.0	0.8	1.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	1.0	0.5	0.0

- Notes:
- (1) Conservation Status follows that of Fellows et. al. (2002) and BirdLife International listing (2017). See **Table B1** for the description of the codes. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and for roosting sites rather than in general occurrence. (Fellowes et al. 2002)
  - (2) Updated species names used in the report include Eurasian Magpie (*Pica serica*) as Oriental Magpie (*Pica pica*), Japanese White-eye (*Zosterops japonica*) as Swinhoe's White-eye (*Zosterops simplex*), Chinese Bulbul (*Pycnonotus sinensis*) as Light-vented Bulbul (*Pycnonotus sinensis*) and Pale Martin (*Riparia diluta*) as Sand Martin (*Riparia riparia*)
  - ^ Pintail Snipe and Swinhoe's Snipe cannot be distinguished in field, conservation status refers to Swinhoe's Snipe.
  - V Indicates the species is recorded outside regular surveys.
  - DS Indicates species recorded during survey.
  - # Greater Coucal is listed as vulnerable (VU) in China Red Data Book and it is protected terrestrial wildlife state protection (category II).
  - \* Red-billed Starling is considered by Fellows *et al* (2002) to be of Global Concern. Since publication, however, the global population estimate has been revised and the species is now not considered globally threatened. A listing of Regional Concern (RC) based on the importance of the large roosts present near Deep Bay, is considered to be more appropriate. (Wetland Restoration Plan, Mott, 2008). Red-billed Starling is now listed as Least Concern by IUCN. (IUCN, 2016)
  - \*\* The species name is updated as Cinereous Tit, *Parus cinereus*, since June 2017.

**Table B9: Summary of Bird Species Recorded at the WRA and their Respective Monthly Mean between November 2020 and April 2022**

Common name	Scientific name	Wetland Dependence	Conservation status	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
Little Grebe	<i>Tachybaptus ruficollis</i>	Y	LC	1.5	0.4	1.5	0.3	0.2	0.0	0.0	0.0	0.3	0.5	1.4	2.0	1.5	0.4	2.0	0.8	0.2	0.3
Great Cormorant	<i>Phalacrocorax carbo</i>	Y	PRC	0.8	1.8	0.0	0.8	0.2	0.0	0.0	0.0	0.0	0.3	0.2	1.3	0.8	1.0	0.3	0.5	0.2	0.0
Grey Heron	<i>Ardea cinerea</i>	Y	PRC	2.3	1.6	2.5	1.5	0.2	0.0	0.3	0.4	0.0	0.5	1.0	0.5	2.3	1.4	2.3	1.5	0.2	0.0
Purple Heron	<i>Ardea purpurea</i>	Y	RC	0.0	0.0	0.3	0.3	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0
Great Egret	<i>Ardea alba</i>	Y	PRC, (RC)	0.8	1.8	1.8	1.5	2.2	0.8	0.8	1.8	0.8	1.3	1.8	1.5	0.8	1.6	1.5	1.0	2.2	0.8
Intermediate Egret	<i>Egretta intermedia</i>	Y	RC	0.0	0.4	0.3	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.5	0.0	0.4	0.3	0.0	0.0	0.3
Little Egret	<i>Egretta garzetta</i>	Y	PRC, (RC)	0.5	0.8	1.5	1.3	1.6	4.0	4.5	0.6	0.8	3.0	2.0	2.3	0.5	0.8	1.3	1.0	1.6	4.3
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	Y	(LC)	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.5	0.0	0.4	0.0	0.0	0.0	0.5
Chinese Pond Heron	<i>Ardeola bacchus</i>	Y	PRC, (RC)	2.5	2.8	2.3	2.3	1.0	V	2.0	2.4	2.3	5.5	2.6	7.8	2.5	2.6	2.3	1.5	1.0	0.0
Yellow Bittern	<i>Ixobrychus sinensis</i>	Y	(LC)	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1.0	1.6	0.8	0.3	0.4	0.0	0.0	0.0	0.0
Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Great Bittern	<i>Botaurus stellaris</i>	Y	RC	0.0	V	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Y	(LC)	1.0	1.0	0.0	0.0	V	0.3	1.8	5.0	2.8	4.5	6.0	2.3	1.3	1.0	0.0	0.0	V	0.3
Black Stork	<i>Ciconia nigra</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0
Eurasian Spoonbill	<i>Platalea leucorodia</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Black-faced Spoonbill	<i>Platalea minor</i>	Y	PGC, EN	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	0.0	0.0	0.0	0.0	0.0
Mandarin Duck	<i>Aix galericulata</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0
Eurasian Wigeon	<i>Anas penelope</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0
Eurasian Teal	<i>Anas crecca</i>	Y	RC	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0
Northern Pintail	<i>Anas acuta</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0
Northern Shoveler	<i>Anas clypeata</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0
Garganey	<i>Anas querquedula</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Tufted Duck	<i>Aythya fuligula</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Western Osprey	<i>Pandion haliaetus</i>	Y	RC	0.5	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	0.0	0.3	0.0	0.0
Besra	<i>Accipiter virgatus</i>	N	-	0.0	0.0	0.3	0.0	0.4	V	V	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
Black-winged Kite	<i>Elanus caeruleus</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0
Black Kite	<i>Milvus migrans</i>	Y	(RC)	0.8	0.8	0.8	0.5	0.6	0.5	0.3	0.6	0.5	0.5	0.8	2.0	0.8	1.0	0.8	1.5	0.6	0.5
Crested Serpent Eagle	<i>Spilornis cheela</i>	N	(LC)	0.0	0.0	0.0	V	V	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 name	Scientific name	Wetland Dependence	Conservation status	Nov- 20	Dec- 20	Jan- 21	Feb- 21	Mar- 21	Apr- 21	May- 21	Jun- 21	Jul- 21	Aug- 21	Sep- 21	Oct- 21	Nov- 21	Dec- 21	Jan- 22	Feb- 22	Mar- 22	Apr- 22
Crested Goshawk	<i>Accipiter trivirgatus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Greater Spotted Eagle	<i>Clanga clanga</i>	Y	GC	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Eastern Imperial Eagle	<i>Aquila heliaca</i>	Y	-	0.0	V	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Eastern Buzzard	<i>Buteo japonicus</i>	Y	-	0.5	0.0	0.3	0.0	0.2	V	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.5	0.0	0.2	0.0	0.0
Common Kestrel	<i>Falco tinnunculus</i>	N	-	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Peregrine Falcon	<i>Falco peregrinus</i>	N	(LC)	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	0.0	0.0	0.0	0.0	0.0
Eurasian Hobby	<i>Falco subbuteo</i>	Y	(LC)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Japanese Quail	<i>Coturnix japonica</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0
Baillon's Crane	<i>Porzana pusilla</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
White-breasted Waterhen	<i>Amauromis phoenicurus</i>	Y	-	2.0	0.8	0.0	0.3	2.2	1.0	2.0	1.4	1.8	0.0	1.2	1.0	1.8	0.8	0.0	0.5	2.2	1.0
Watercock	<i>Gallinula cinerea</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0
Common Moorhen	<i>Gallinula chloropus</i>	Y	-	2.5	1.6	3.0	2.0	2.0	2.0	0.3	0.4	0.5	2.0	0.8	0.0	2.0	1.2	4.0	2.8	2.0	1.8
Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Greater Painted-snipe	<i>Rostratula benghalensis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Black-winged Stilt	<i>Himantopus himantopus</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	0.0	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pied Avocet	<i>Recurvirostra avosetta</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0
Grey-headed Lapwing	<i>Vanellus cinereus</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Pratincole	<i>Glareola maldivarum</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pacific Golden Plover	<i>Pluvialis fulva</i>	Y	LC	0.0	0.0	0.0	0.0	0.0	0.0	V	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	<i>Charadrius dubius</i>	Y	(LC)	0.0	0.0	0.0	0.3	0.0	0.0	V	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
Kentish Plover	<i>Charadrius alexandrinus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0
Spotted Redshank	<i>Tringa erythropus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0
Common Redshank	<i>Tringa totanus</i>	Y	RC	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	0.0	0.0	0.0	0.0	0.0
Common Greenshank	<i>Tringa nebularia</i>	Y	RC	0.0	0.0	0.5	0.0	0.0	2.5	V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
Marsh Sandpiper	<i>Tringa stagnatilis</i>	Y	RC	0.0	0.0	0.0	0.0	0.0	V	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	Scientific name	Wetland Dependence	Conservation status	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
Green Sandpiper	<i>Tringa ochropus</i>	Y	-	0.5	1.8	2.8	0.8	1.6	0.5	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.6	2.3	0.8	1.2	0.3
Wood Sandpiper	<i>Tringa glareola</i>	Y	LC	0.0	0.0	5.0	1.3	2.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	1.3	1.4	1.5
Common Sandpiper	<i>Actitis hypoleucos</i>	Y	-	0.0	0.8	0.5	0.0	0.4	3.5	0.3	0.0	0.3	1.0	0.6	0.3	0.0	0.8	0.5	0.0	0.2	3.5
Pintail/Swinhoe's Snipe^	<i>Gallinago stenura/G. megala</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Common Snipe	<i>Gallinago gallinago</i>	Y	-	0.3	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.0	0.0	0.3	0.0	0.0
Red-necked Stint	<i>Calidris ruficollis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Temminck's Stint	<i>Calidris temminckii</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Long-toed Stint	<i>Calidris subminuta</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Black-headed Gull	<i>Chroicocephalus ridibundus</i>	Y	PRC	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	0.0	0.0	0.0	0.0	0.0
Whiskered Tern	<i>Chlidonias hybrida</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0
White-winged Tern	<i>Chlidonias leucopterus</i>	Y	-	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Domestic Pigeon	<i>Columba livia</i>	N	-	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Oriental Turtle Dove	<i>Streptopelia orientalis</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Red Turtle Dove	<i>Streptopelia tranquebarica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Spotted Dove	<i>Spilopelia chinensis</i>	N	-	2.3	5.0	3.3	1.5	2.4	2.8	2.0	3.8	3.5	2.0	4.4	6.5	2.3	5.2	3.8	1.5	2.4	2.8
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	N	-	0.8	0.2	0.8	0.3	0.0	0.3	1.0	0.8	0.3	1.0	0.8	1.0	0.8	0.2	0.3	0.0	0.0	0.3
Emerald Dove	<i>Chalcophaps indica indica</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Asian Koel	<i>Eudynamis scolopaceus</i>	N	-	0.0	0.0	0.3	0.0	0.8	0.5	0.5	0.8	0.8	1.0	0.0	0.8	0.0	0.0	0.5	0.3	0.8	0.5
Greater Coucal#	<i>Centropus sinensis</i>	N	-	1.0	0.0	0.3	1.5	1.2	2.3	1.3	1.8	1.5	0.5	0.0	0.0	0.8	0.0	0.3	1.3	1.2	2.3
Indian Cuckoo	<i>Cuculus Micropterus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Large Hawk-Cuckoo	<i>Hierococcyx sparveroides</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	N	-	0.0	0.0	0.0	V	0.4	0.5	0.3	0.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.5
Asian Barred Owl	<i>Glaucidium cuculoides</i>	N	-	0.0	0.0	0.0	V	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.3	0.2	0.0
Eurasian Eagle Owl	<i>Bubo bubo</i>	N	RC	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	0.0	0.0	0.0	0.0	0.0
Savanna Nightjar	<i>Caprimulgus affinis</i>	N	-	0.0	0.0	0.0	0.0	V	0.5	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	V	0.5

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Himalayan Swiftlet	<i>Aerodramus brevirostris</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Pacific Swift	<i>Apus pacificus</i>	N	(LC)	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	0.0	0.0	0.0	0.6	0.0
House Swift	<i>Apus nipalensis</i>	N	-	0.0	1.6	0.0	0.5	0.0	0.0	0.3	0.0	0.0	0.0	1.2	0.0	0.0	1.4	0.0	1.5	36.0	0.0
Pied Kingfisher	<i>Ceryle rudis</i>	Y	(LC)	0.0	0.0	0.5	1.3	1.2	0.0	0.3	0.2	0.3	0.5	0.4	0.3	0.0	0.0	0.3	1.3	1.4	0.0
Black-capped Kingfisher	<i>Halcyon pileata</i>	Y	(LC)	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	0.0	0.0	0.0	0.0	0.0
White-throated Kingfisher	<i>Halcyon smyemensis</i>	Y	(LC)	0.0	V	1.0	0.5	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	1.0	0.3	0.4	0.5
Common Kingfisher	<i>Alcedo atthis</i>	Y	-	0.3	1.8	1.3	0.8	1.0	0.8	0.3	1.2	1.5	1.0	1.0	0.5	0.3	1.8	0.8	0.8	1.0	0.8
Eurasian Hoopoe	<i>Upupa epops</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Barn Swallow	<i>Hirundo rustica</i>	N	-	10.0	12.2	2.0	20.3	10.6	8.5	4.5	6.4	1.3	5.8	2.4	8.3	4.3	6.6	3.5	15.0	119.6	8.5
Red-rumped Swallow	<i>Hirundo daurica</i>	N	-	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.3	0.2	0.0	0.0	0.0	0.0
Sand Martin	<i>Riparia riparia</i>	Y	-	0.3	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	0.0	0.0	1.2	0.0
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	Y	-	0.0	1.2	2.5	1.8	3.2	5.0	0.8	0.0	0.0	0.0	0.2	0.5	0.0	1.4	2.8	1.3	3.2	5.0
Grey Wagtail	<i>Motacilla cinerea</i>	Y	-	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
White Wagtail	<i>Motacilla alba</i>	Y	-	2.0	2.4	11.5	2.3	2.6	1.0	1.3	0.4	1.8	0.5	2.4	2.8	2.0	2.4	10.0	2.3	2.6	1.0
Richard's Pipit	<i>Anthus richardi</i>	N	-	0.8	0.4	0.8	0.5	1.4	1.3	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.4	0.8	0.3	1.4	1.3
Olive-backed Pipit	<i>Anthus hodgsoni</i>	N	-	0.3	1.0	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	0.3	0.0	0.2	0.0
Red-throated Pipit	<i>Anthus cervinus</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0
Buff-bellied Pipit	<i>Anthus rubescens</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	N	-	1.0	6.6	14.8	7.3	6.2	8.8	6.3	3.8	11.5	5.3	3.2	4.5	1.0	6.6	11.5	5.8	6.2	8.8
Light-vented Bulbul	<i>Pycnonotus sinensis</i>	N	-	3.0	6.0	26.3	16.0	17.8	6.3	4.8	7.2	6.5	3.8	2.4	1.8	3.0	6.2	16.3	32.0	17.8	6.3
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Black-winged Cuckooshrike	<i>Lalage melaschistos</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Bull-headed Shrike	<i>Lanius bucephalus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Brown Shrike	<i>Lanius cristatus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long-tailed Shrike	<i>Lanius schach</i>	N	-	0.0	0.8	0.0	1.3	1.2	0.5	0.3	0.2	1.3	0.8	0.4	0.5	0.0	0.8	0.0	1.3	1.0	0.5
Oriental Magpie Robin	<i>Copsychus saularis</i>	N	-	1.3	0.8	0.8	0.3	1.2	2.3	0.8	2.6	2.3	1.0	1.0	0.5	1.3	0.8	0.8	0.3	1.2	2.3

Common name	Scientific name	Wetland Dependence	Conservation status	Nov- 20	Dec- 20	Jan- 21	Feb- 21	Mar- 21	Apr- 21	May- 21	Jun- 21	Jul- 21	Aug- 21	Sep- 21	Oct- 21	Nov- 21	Dec- 21	Jan- 22	Feb- 22	Mar- 22	Apr- 22
Red-flanked Bluetail	<i>Tarsiger cyanurus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Daurian Redstart	<i>Phoenicurus aureus</i>	N	-	1.5	2.2	0.5	0.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.5	2.2	0.3	0.3	0.8	0.0
Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	N	-	1.8	2.8	0.5	1.8	0.4	0.3	0.0	0.0	0.0	0.0	0.0	1.3	1.8	2.8	1.0	1.8	0.4	0.3
Chinese Blackbird	<i>Turdus mandarinus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grey-backed thrush	<i>Turdus hortulorum</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	N	-	4.8	5.0	1.8	6.0	4.4	4.5	4.0	6.2	6.3	4.3	5.0	3.8	5.0	5.0	4.8	3.8	4.4	4.5
Lanceolated Warbler	<i>Locustella lanceolata</i>	Y	-	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	0.0	0.0	0.0	0.0	0.0
Pallas's Grasshopper Warbler	<i>Locustella certhiola</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	Y	-	0.5	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.0	0.0	0.3	0.2	0.0
Thick-billed Warbler	<i>Acrocephalus aedon</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	Y	-	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.8	0.0	0.0	0.0	0.0	0.0
Manchurian Bush Warbler	<i>Horornis canturians</i>	N	-	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Tailorbird	<i>Orthotomus sutorius</i>	N	-	1.5	0.4	1.5	1.3	1.2	1.5	1.3	0.8	2.5	1.8	1.4	1.3	1.5	0.4	1.3	0.8	1.2	1.5
Dusky Warbler	<i>Phylloscopus fuscatus</i>	N	-	8.0	7.4	5.5	7.0	5.4	4.0	0.0	0.0	0.0	0.0	0.0	4.0	7.5	7.4	6.5	5.0	5.2	4.0
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Yellow-browed warbler	<i>Phylloscopus inornatus</i>	N	-	0.8	1.0	2.0	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	2.3	1.0	1.4	0.0
Sakhalin Leaf Warbler	<i>Phylloscopus borealoides</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Eastern Crowned Warbler	<i>Phylloscopus coronatus</i>	N	-	0.3	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	0.0	0.0	0.0	0.0
Pale-legged Leaf Warbler	<i>Phylloscopus tenellipes</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zitting Cisticola	<i>Cisticola juncidis</i>	Y	LC	0.8	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.0	0.0	0.0	0.0	0.3
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	N	-	2.5	3.2	1.5	5.0	3.8	7.3	6.8	6.0	4.5	3.5	2.8	1.5	2.5	3.0	1.5	3.3	3.8	7.3
Plain Prinia	<i>Prinia inornata</i>	N	-	1.3	1.0	1.5	1.8	2.4	3.3	3.3	3.8	2.3	3.5	2.2	0.5	1.3	1.0	2.0	2.5	2.4	3.3

Common name	Scientific name	Wetland Dependence	Conservation status	Nov- 20	Dec- 20	Jan- 21	Feb- 21	Mar- 21	Apr- 21	May- 21	Jun- 21	Jul- 21	Aug- 21	Sep- 21	Oct- 21	Nov- 21	Dec- 21	Jan- 22	Feb- 22	Mar- 22	Apr- 22
Bluethroat	<i>Luscinia svecica</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0
Grey-streaked Flycatcher	<i>Muscicapa griseisticta</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Grey-headed Canary-Flycatcher	<i>Culicicapa ceylonensis</i>	N	LC	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amur Paradise Flycatcher	<i>Terpsiphone incei</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0
Japanese Paradise Flycatcher	<i>Terpsiphone atrocaudata</i>	N	LC	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	0.0	0.0	0.0	0.0	0.0
Chinese Penduline-Tit	<i>Remiz consobrinus</i>	Y	RC	1.8	0.0	0.0	0.0	2.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.8	0.5	0.0	2.8	1.8
Cinereous Tit	<i>Parus cinereus</i>	N	-	1.3	1.4	1.0	2.5	1.0	29.5	1.0	1.4	1.8	2.0	0.6	1.0	1.3	1.4	1.0	2.3	1.0	2.3
Japanese Tit	<i>Parus minor</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Swinhoe's White- eye	<i>Zosterops simplex</i>	N	-	2.0	2.6	4.5	5.0	5.0	5.0	5.0	8.0	6.8	6.8	4.4	2.3	2.0	2.6	3.0	5.0	5.0	5.0
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	N	-	0.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0
Little Bunting	<i>Emberiza pusilla</i>	N	-	V	0.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.6	0.0	0.0
Black-faced Bunting	<i>Emberiza spodocephala</i>	N	-	0.3	0.4	0.8	0.8	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.8	0.8	1.6	0.8	0.8
Chinese Grosbeak	<i>Eophona migratoria</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Scaly-breasted Munia	<i>Lonchura punctulata</i>	N	-	2.3	3.8	4.3	0.0	0.6	0.5	2.5	8.0	14.0	2.5	10.0	6.0	1.8	3.8	4.0	0.0	0.6	1.3
White-headed Munia	<i>Lonchura maja</i>	N	-	V	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	0.0	0.0	0.0	0.0
Chestnut Munia	<i>Lonchura atricapilla</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eurasian Tree Sparrow	<i>Passer montanus</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Yellow-fronted Canary	<i>Crithagra mozambica</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red-billed Starling	<i>Spodiopsar sericeus</i>	Y	(RC)*	1.0	0.0	0.0	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	0.0	0.0
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	Y	PRC	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
Black-collared Starling	<i>Gracupica nigricollis</i>	N	-	3.0	4.8	2.5	0.8	2.4	3.8	3.8	3.8	4.8	1.3	1.2	4.0	3.5	4.2	2.5	1.3	2.4	3.8
White-shouldered Starling	<i>Sturnia sinensis</i>	Y	(LC)	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	2.5	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8



Common name	Scientific name	Wetland Dependence	Conservation status	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
Common Myna	<i>Acridotheres tristis</i>	N	-	0.5	0.0	0.0	0.0	0.2	0.0	0.3	0.2	0.0	0.0	0.0	0.3	0.5	0.0	0.0	0.0	0.2	0.0
Crested Myna	<i>Acridotheres cristatellus</i>	N	-	2.3	2.6	1.8	1.0	4.2	2.0	5.5	4.2	4.3	1.5	6.6	4.5	2.3	3.8	1.8	1.0	4.2	2.0
Great Myna	<i>Acridotheres grandis</i>	N	-	0.5	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	0.0	0.0	0.0	0.0
Black-naped Oriole	<i>Oriolus chinensis</i>	Y	LC	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	0.0	0.0	0.0	0.0	0.0
Black Drongo	<i>Dicrurus macrocercus</i>	N	-	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.2	0.0	0.5	0.2	2.3	0.0	0.0	0.0	0.0	0.0	0.3
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	N	-	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	0.0	0.0	0.0	0.0	0.0
Azure-winged Magpie	<i>Cyanopica cyanus</i>	N	-	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oriental Magpie	<i>Pica serica</i>	N	-	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Red-billed Blue Magpie	<i>Urocissa erythrorhyncha</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Large-billed Crow	<i>Corvus macrorhynchos</i>	N	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collared Crow	<i>Corvus torquatus</i>	Y	LC, NT	1.3	0.2	0.0	0.3	0.4	0.0	0.0	0.0	1.3	0.5	0.4	0.0	1.0	0.0	0.0	0.0	0.4	0.3

- Notes:
- (1) Conservation Status follows that of Fellowes et al. (2002) and BirdLife International listing (2017). See **Table B1** for the description of the codes. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and for roosting sites rather than in general occurrence. (Fellowes et al. 2002)
  - (2) Updated species names used in the report include Eurasian Magpie (*Pica serica*) as Oriental Magpie (*Pica pica*), Japanese White-eye (*Zosterops japonica*) as Swinhoe's White-eye (*Zosterops simplex*), Chinese Bulbul (*Pycnonotus sinensis*) as Light-vented Bulbul (*Pycnonotus sinensis*) and Pale Martin (*Riparia diluta*) as Sand Martin (*Riparia riparia*)
  - ^ Pintail Snipe and Swinhoe's Snipe cannot be distinguished in field, conservation status refers to Swinhoe's Snipe.
  - V Indicates the species is recorded outside regular surveys.
  - DS Indicates species recorded during survey.
  - # Greater Coucal is listed as vulnerable (VU) in China Red Data Book and it is protected terrestrial wildlife state protection (category II).
  - \* Red-billed Starling is considered by Fellowes *et al* (2002) to be of Global Concern. Since publication, however, the global population estimate has been revised and the species is now not considered globally threatened. A listing of Regional Concern (RC) based on the importance of the large roosts present near Deep Bay, is considered to be more appropriate. (Wetland Restoration Plan, Mott, 2008). Red-billed Starling is now listed as Least Concern by IUCN. (IUCN, 2016)
  - \*\* The species name is updated as Cinereous Tit, *Parus cinereus*, since June 2017.



## C. Summary of Herpetofauna Monitoring, Mammals and Insect Surveys

**Table C1: Summary of herpetofauna monitoring data within the Survey Area (excluding the WRA)**

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Mean <sup>(2)</sup>					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
<b>Amphibians</b>								
Asian Common Toad	<i>Bufo melanostictus</i>	-	0.0	0.0	0.0	0.0	7.0	6.0
Gunther's Frog	<i>Hylarana guentheri</i>	-	0.0	0.0	0.0	0.0	0.0	4.0
Paddy Frog	<i>Fejervarya limnocharis</i>	-	0.0	0.0	0.0	0.0	2.0	0.0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	0.0	0.0	0.0	0.0	1.0	1.0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
<b>No. of Species Recorded</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>
<b>Reptiles</b>								
Red-eared Slider	<i>Trachemys scripta elegans</i>	-	0.0	0.0	0.0	0.0	0.0	V
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	0.0	0.0	0.0	0.0	8.0	12.5
Long-tailed Skink	<i>Eutropis longicaudata</i>	-	0.0	0.0	0.0	V	0.0	0.0
Many-banded Krait	<i>Bungarus multicinctus multicinctus</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
<b>No. of Species Recorded</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>3</b>

(1) Conservation status follows that of Fellows that of Fellowes et al. (2002), Chan et al. (2005) and Karsen et al. (1998).

(2) Refers to the mean number of individuals recorded in the reporting period (excluding the WRA)

V Indicates the species is recorded outside regular surveys.

**Table C2: Summary of herpetofauna monitoring in the WRA**

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Mean <sup>(2)</sup>					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
<b>Amphibians</b>								
Asian Common Toad	<i>Bufo melanostictus</i>	-	0.0	0.0	0.0	0.0	3.0	3.0
Gunther's Frog	<i>Hylarana guentheri</i>	-	0.0	0.0	0.0	0.0	0.5	2.0
Paddy Frog	<i>Fejervarya limnocharis</i>	-	0.0	0.0	0.0	V	0.0	0.0
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	-	0.0	0.0	0.0	0.0	2.5	2.0
<b>No. of Species Recorded</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>3</b>

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Mean <sup>(2)</sup>					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
<b>Reptiles</b>								
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	0.0	0.0	0.0	0.0	3.5	6.0
Long-tailed Skink	<i>Eutropis longicaudata</i>	-	0.0	0.0	0.0	0.0	0.5	0.5
Reeve's Smooth Skink	<i>Scincella reevesii</i>	-	0.0	0.0	0.0	0.0	2.0	0.0
Common Rat Snake	<i>Ptyas mucosus</i>	-	0.0	0.0	0.0	0.0	0.0	V
<b>No. of Species Recorded</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>

(1) Conservation status follows that of Fellows that of Fellowes et al. (2002), Chan et al. (2005) and Karsen et al. (1998).

(2) Refers to the mean number of individuals recorded in the reporting period at WRA.

V Indicates the species is recorded outside regular surveys.

**Table C3: Summary of mammal monitoring in the Survey Area (excluding the WRA)**

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Max <sup>(2)</sup>					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
<b>Mammal</b>								
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	-	0.0	0.0	0.0	0.0	1.0	1.0
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	0.0	0.0	0.0	0.0	2.0	2.0
<b>No. of Species Recorded</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>

(1) Conservation status follows that of Fellows et al. (2002) and Shek (2006).

(2) Refers to the maximum number of individuals recorded in each month in the survey area (excluding WRA).

V Indicates the species is recorded outside regular surveys.

**Table C4: Summary of mammal monitoring in the WRA**

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Max <sup>(2)</sup>					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
<b>Mammal</b>								
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	-	0.0	0.0	0.0	0.0	6.0	3.0
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	0.0	0.0	0.0	0.0	6.0	7.0
Leopard Cat	<i>Prionailurus bengalensis</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
<b>No. of Species Recorded</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>

(1) Conservation status follows that of Fellows et al. (2002) and Shek (2006).

(2) Refers to the maximum number of individuals recorded in each month at WRA.

V Indicates the species is recorded outside regular surveys.

**Table C5: Summary of dragonfly and butterfly monitoring in the Survey Area (excluding the WRA)**

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Mean <sup>(2)</sup>					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
<b>Odonata</b>								
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	0.0	0.0	0.0	0.0	0.0	4.0
Common Bluetail	<i>Ischnura senegalensis</i>	-	8.0	0.0	0.0	0.0	3.0	51.0
Yellow Featherlegs	<i>Copera marginipes</i>	-	0.0	0.0	0.0	0.0	5.0	1.0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1.0	0.0	0.0	0.0	1.0	7.0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Pied Percher	<i>Neurothemis tullia tullia</i>	-	1.0	0.0	0.0	0.0	0.0	0.5
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	15.0	0.0	0.0	0.0	0.0	2.5
Wandering Glider	<i>Pantala flavescens</i>	-	5.0	0.0	0.0	0.0	4.0	2.0
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	-	10.0	0.0	0.0	0.0	0.0	4.0
Saddlebag Glider	<i>Tramea virginia</i>	-	3.0	0.0	0.0	0.0	0.0	0.5
<b>No. of Species Recorded</b>			<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>9</b>
<b>Butterfly</b>								
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	2.0	0.0	0.0	0.0	0.0	0.0
Common Sailor	<i>Neptis hylas hylas</i>	-	0.0	0.0	0.0	0.0	1.0	0.0
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	-	2.0	0.0	0.0	0.0	0.0	0.0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	2.0	0.0	0.0	0.0	3.0	0.5
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	12.0	0.0	0.0	0.0	0.0	6.0
Tiny Grass Blue	<i>Zizula hylax</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Dark Cerulean	<i>Jamides bochus bochus</i>	-	2.0	0.0	0.0	0.0	0.0	0.0
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	10.0	0.0	0.0	0.0	1.0	1.5
Indian Cabbage White	<i>Pieris canidia canidia</i>	-	3.0	0.0	0.0	0.0	0.0	0.0
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	0.0	0.0	0.0	0.0	41.0	8.0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	9.0	0.0	0.0	0.0	0.0	0.0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	0.0	0.0	0.0	0.0	0.0	2.0

Butterfly			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	-	0.0	0.0	0.0	0.0	1.0	0.0
Common Mime	<i>Chilasa clytia clytia</i>	-	0.0	0.0	0.0	0.0	1.0	0.0
Red Helen	<i>Papilio helenus</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Common Mormon	<i>Papilio polytes polytes</i>	-	1.0	0.0	0.0	0.0	0.0	2.5
Great Mormon	<i>Papilio memnon agenor</i>	-	0.0	0.0	0.0	0.0	1.0	0.0
Indian Palm Bob	<i>Suastus gremius gremius</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
<b>No. of Species Recorded</b>			<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>6</b>

- (1) Conservation status follows that of Fellows et al. (2002) and Shek (2006), Lo & Hui (2004), Wilson (2004) and Young & Yiu (2002).  
(2) Refers to the mean number of individuals recorded in each month in the survey area (excluding the WRA)

**Table C6: Summary of dragonfly and butterfly monitoring in the WRA**

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Mean <sup>(2)</sup>	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
<b>Odonate</b>									
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	2.0	2.0	0.0	0.0	0.0	2.0	0.0
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	0.0	0.0	0.0	0.0	0.0	5.0	0.5
Common Bluetail	<i>Ischnura senegalensis</i>	-	4.0	4.0	0.0	0.0	0.0	3.0	4.5
Blue Sprite	<i>Pseudagrion microcephalum</i>	LC	0.0	0.0	0.0	0.0	0.0	1.0	0.5
Yellow Featherlegs	<i>Copera marginipes</i>	-	1.0	1.0	0.0	0.0	0.0	0.0	0.5
Lesser Emperor	<i>Anax parthenope julius</i>	-	1.0	1.0	0.0	0.0	0.0	0.0	0.0
Regal Pond Cruiser	<i>Epophthalmia elegans</i>	-	1.0	1.0	0.0	0.0	0.0	0.0	1.5
Asian Pintail	<i>Acisoma panorpoides</i>	-	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	5.0	5.0	0.0	0.0	0.0	0.0	1.5
Asian Amberwing	<i>Brachythemis contaminata</i>	-	2.0	2.0	0.0	V	0.0	2.0	1.0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Pied Percher	<i>Neurothemis tullia tullia</i>	-	5.0	5.0	0.0	0.0	0.0	4.0	2.5
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	9.0	9.0	0.0	0.0	0.0	3.0	7.0

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Mean <sup>(2)</sup>						
Wandering Glider	<i>Pantala flavescens</i>	-	6.0	0.0	V	0.0	1.0	3.0	
Pied Skimmer	<i>Pseudothemis zonata</i>	-	0.0	0.0	0.0	0.0	1.0	0.5	
Variagated Flutterer	<i>Rhyothemis variegata arria</i>	-	9.0	0.0	0.0	0.0	V	6.5	
Evening Skimmer	<i>Tholymis tillarga</i>	-	4.0	0.0	0.0	0.0	1.0	0.5	
Saddlebag Glider	<i>Tramea virginia</i>	-	3.0	0.0	0.0	0.0	0.0	2.5	
Scarlet Basker	<i>Urothemis signata signata</i>	LC	2.0	0.0	0.0	0.0	0.0	0.5	
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	-	0.0	0.0	0.0	0.0	1.0	0.5	
<b>No. of Species Recorded</b>			<b>14</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>18</b>	
<b>Butterfly</b>			<b>Nov 2021</b>	<b>Dec 2021</b>	<b>Jan 2022</b>	<b>Feb 2022</b>	<b>Mar 2022</b>	<b>Apr 2022</b>	
Tawny Rajah	<i>Charaxes bernardus bernardus</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	0.0	0.0	0.0	0.0	0.0	0.5	
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	6.0	0.0	0.0	0.0	0.0	1.0	
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Angled Castor	<i>Ariadne ariadne atternus</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Dark Evening Brown	<i>Melanitis phedima muskata</i>	-	0.0	0.0	0.0	0.0	0.0	0.5	
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	4.0	0.0	V	0.0	5.0	1.0	
South China Bush Brown	<i>Mycalesis zonata</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Common Five-ring	<i>Ypthima baldus baldus</i>	-	0.0	0.0	0.0	0.0	0.0	0.5	
Long-tailed Blue	<i>Lampides boeticus</i>	-	0.0	0.0	0.0	0.0	1.0	1.5	
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	6.0	0.0	0.0	0.0	1.0	5.5	
Lesser Grass Blue	<i>Zizina otis</i>	-	0.0	0.0	0.0	0.0	3.0	0.0	
Tiny Grass Blue	<i>Zizula hylax</i>	-	3.0	0.0	0.0	0.0	0.0	3.0	
Tailless Line Blue	<i>Prosotas dubiosa</i>	-	4.0	0.0	0.0	0.0	0.0	1.5	
Common Hedge Blue	<i>Acytolepis puspa</i>	-	0.0	0.0	0.0	0.0	0.0	0.5	
Dark Cerulean	<i>Jamides bochus bochus</i>	-	5.0	0.0	0.0	0.0	0.0	0.5	
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	11.0	0.0	V	0.0	1.0	2.0	
Indian Cabbage White	<i>Pieris canidia canidia</i>	-	2.0	0.0	V	0.0	1.0	0.0	
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	0.0	0.0	0.0	0.0	8.0	5.0	
Great Orange Tip	<i>Hebomoia glaucippe glaucippe</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	

Butterfly		Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
Mottled Emigrant	<i>Catopsilia pyranthe pyranthe</i>	-	1.0	0.0	0.0	0.0	0.0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	5.0	0.0	0.0	0.0	1.0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	0.0	0.0	0.0	0.0	3.0
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	-	2.0	0.0	0.0	0.0	1.0
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	0.0	0.0	0.0	0.0	0.5
Common Mime	<i>Chilasa clytia clytia</i>	-	1.0	0.0	0.0	0.0	2.0
Red Helen	<i>Papilio helenus</i>	-	0.0	0.0	0.0	0.0	2.0
Common Mormon	<i>Papilio polytes polytes</i>	-	3.0	0.0	V	0.0	2.0
Spangle	<i>Papilio protenor</i>	-	1.0	0.0	0.0	0.0	0.0
Paris Peacock	<i>Papilio paris</i>	-	0.0	0.0	0.0	0.0	2.0
Dark Swift	<i>Caltoris cahira</i>	-	1.0	0.0	0.0	0.0	0.5
Chinese Dart	<i>Potanthus confucius confucius</i>	-	0.0	0.0	0.0	0.0	1.0
Banana Skipper	<i>Erionota torus</i>	-	0.0	0.0	0.0	0.0	1.0
<b>No. of Species Recorded</b>		<b>20</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>16</b>	<b>20</b>

(1) Conservation status follows that of Fellowes et al. (2002), Lo & Hui (2004), Wilson (2004) and Young & Yiu (2002).

(2) Refers to the mean number of individuals recorded in each month in the survey area at WRA

V indicates the species is recorded outside regular surveys



## D. Summary of Water Quality Monitoring

**Table D1. Water quality at WRA  
 Nov 2021**

Cell No.	Temp. (°C)	pH (19 Nov)	pH (29 Nov)	Salinity (ppt)	Turb. (NTU)	DO (mg/L)	Water Level (17 Oct) (cm)	Water Level (29 Nov) (cm)
1	22.0	7.2	7.2	0.2	5.6	2.2	180	170
2	21.9	7.3	7.2	0.2	5.3	2.6	160	170
3	22.8	7.1	7.1	0.2	3.8	3.3	205	200
4	22.8	7.1	7.1	0.2	3.8	3.0	200	200

**Dec 2021**

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turb. (NTU)	DO (mg/L)	Water Level (cm)
1	16.6	6.9	0.3	6.7	5.1	190
2	16.7	7.2	0.3	6.9	4.5	200
3	16.8	7.3	0.3	8.1	6.0	155
4	17.4	7.4	0.3	4.3	5.9	165

**Jan 2022**

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turb. (NTU)	DO (mg/L)	Water Level (cm)
1	18.6	7.3	0.3	6.9	4.1	185
2	18.6	7.3	0.3	7.2	3.8	185
3	18.7	7.3	0.3	8.2	4.6	<b>140</b>
4	19.2	7.4	0.3	4.4	5.1	160

**Feb 2022**

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turb. (NTU)	DO (mg/L)	Water Level (8 Feb) (cm)	Water Level (23 Feb) (cm)
1	17.3	7.5	0.3	5.3	8.0	175	210
2	17.5	7.5	0.3	6.2	7.8	185	200
3	17.3	7.5	0.3	7.7	7.5	<b>145</b>	165
4	17.4	7.4	0.3	5.3	7.6	155	175

**Mar 2022**

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turb. (NTU)	DO (mg/L)	Water Level (15 March) (cm)	Water Level (29 March) (cm)
1	26.9	7.1	0.3	5.3	5.6	170	175
2	27.0	7.2	0.3	8.2	6.0	165	165
3	27.1	7.4	0.3	5.1	6.3	200	210
4	26.8	7.3	0.3	5.2	6.5	190	200

**Apr 2022**

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turb. (NTU)	DO (mg/L)	Water Level (6 April) (cm)	Water Level (20 April) (cm)
1	26.4	7.1	0.4	6.8	2.9	180	170
2	26.3	7.1	0.3	8.0	1.9	165	160
3	26.2	7.1	0.3	4.6	2.7	210	200
4	27.0	7.0	0.3	3.0	3.8	205	195

Action / Limit Level	Temp. (°C)	pH	Salinity (ppt)	Turb. (NTU)	DO (mg/L)	Water Level (cm)
Action Level	-	<6.5 or >8.0	>2	-	<2	<150 or >250
Limit Level	-	<6.0 or >8.5	>5	-	<1	-

Notes: Values highlighted in **bold** indicate that action level is reached; whereas values in **bold and underlined** indicate that limit level is reached  
 Additional water level monitoring was conducted

**Table D2. Water quality monitoring (Laboratory Testing) at WRA**

<b>Apr 2022</b>						
<b>Monitoring Location</b>	<b>Ammonia-N (mg/L)</b>	<b>NOx-N (mg/L)</b>	<b>Total P (mg/L)</b>	<b>Reactive P (mg/L)</b>	<b>BOD (mg/L)</b>	
Cell 1-1	0.01	<0.01	0.1	0.01	3.0	
Cell 1-2	0.02	<0.01	0.11	<0.01	2.0	
Cell 1-3	0.01	<0.01	0.1	<0.01	3.0	
Cell 2-1	<0.01	<0.01	0.1	<0.01	2.0	
Cell 2-2	0.01	<0.01	0.1	0.01	2.0	
Cell 2-3	<0.01	<0.01	0.1	0.01	2.0	
Cell 3-1	0.03	<0.01	0.03	<0.01	2.0	
Cell 3-2	0.02	<0.01	0.05	<0.01	2.0	
Cell 3-3	0.02	<0.01	0.05	<0.01	2.0	
Cell 4-1	0.03	<0.01	0.05	<0.01	2.0	
Cell 4-2	0.03	<0.01	0.05	<0.01	<2.0	
Cell 4-3	0.03	<0.01	0.05	<0.01	<2.0	
Action Level	>3	>5	>5	-	-	
Limit Level	>6	>10	>10	-	-	

Note: Values highlighted in **bold** indicate that action level is reached; whereas values in **bold and underlined** indicate that limit level is reached.  
 The additional water samples for ex-situ laboratory analysis were collected on 13 April 2022.