

## Appendix B. Summary of Bird Surveys

Table B1. Summary of bird monitoring (for species of conservation importance and/or wetland-dependence) within the Survey Area (excluding the WRA)

Common Name <sup>(3)</sup>	Scientific Name <sup>(3)</sup>	Conservation Status <sup>(1)</sup>	Wetland Dependent	May Mean <sup>(2)</sup>	Jun Mean <sup>(2)</sup>	Jul Mean <sup>(2)</sup>	Aug Mean <sup>(2)</sup>	Sep Mean <sup>(2)</sup>	Oct Mean <sup>(2)</sup>
Little Grebe	<i>Tachybaptus ruficollis</i>	LC	✓	4.8	7.0	8.6	9.8	10.6	9.0
Great Cormorant	<i>Phalacrocorax carbo</i>	PRC	✓						0.2
Grey Heron	<i>Ardea cinerea</i>	PRC	✓					1.2	6.4
Great Egret	<i>Ardea alba</i>	PRC, (RC)	✓	2.6	4.5	2.2	2.0	3.0	2.8
Little Egret	<i>Egretta garzetta</i>	PRC, (RC)	✓	24.0	12.3	6.4	9.5	25.0	9.6
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	LC	✓	1.2			1.0	3.8	1.4
Chinese Pond Heron	<i>Ardeola bacchus</i>	PRC, (RC)	✓	11.6	9.3	15.8	17.0	15.0	20.2
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	(LC)	✓	0.2	0.3	0.4	0.3	0.2	0.4
Yellow Bittern	<i>Ixobrychus sinensis</i>	LC	✓			0.2	0.3	V	0.2
Black-faced Spoonbill	<i>Platalea minor</i>	PGC	✓						V
Northern Pintail	<i>Anas acuta</i>	RC	✓						0.6
Ferruginous Duck	<i>Aythya nyroca</i>	-	✓				V		
Black Kite	<i>Milvus migrans</i>	RC	✓			V		0.2	
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	-	✓	1.2	2.8	1.4	1.3	0.6	2.0
Eurasian Coot	<i>Fulica atra</i>	-	✓				0.3		
Common Moorhen	<i>Gallinula chloropus</i>	-	✓	V			0.5	V	0.4
Black-winged Stilt	<i>Himantopus himantopus</i>	(RC)	✓					4.4	2.8
Pied Avocet	<i>Recurvirostra avosetta</i>	RC	✓						0.6
Little Ringed Plover	<i>Charadrius dubius</i>	(LC)	✓		0.3			5.2	3.2
Green Sandpiper	<i>Tringa ochropus</i>	-	✓				0.3		V
Wood Sandpiper	<i>Tringa glareola</i>	(LC)	✓						V

# Proposed Comprehensive Development at Wo Shang Wai Yuen Long

Biannual EM&A Report on Ecology for May 2014 - Oct 2014 (Rev A)



Common Name <sup>(3)</sup>	Scientific Name <sup>(3)</sup>	Conservation Status <sup>(1)</sup>	Wetland Dependent	May Mean <sup>(2)</sup>	Jun Mean <sup>(2)</sup>	Jul Mean <sup>(2)</sup>	Aug Mean <sup>(2)</sup>	Sep Mean <sup>(2)</sup>	Oct Mean <sup>(2)</sup>
Common Sandpiper	<i>Actitis hypoleucos</i>	-	✓	1.6			1.3	4.0	3.6
Common Snipe	<i>Gallinago gallinago</i>	-	✓						2.0
Whiskered Tern	<i>Chlidonias hybrid</i>	LC	✓	2.8				3.3	3.6
Pied Kingfisher	<i>Ceryle rudis</i>	(LC)	✓	0.2			0.8		0.2
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	LC	✓	V		V	0.3	0.4	1.2
Common Kingfisher	<i>Alcedo atthis</i>	-	✓	0.6	1.3	0.4	2.8	0.8	3.2
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	-	✓	5.4				0.4	1.4
Grey Wagtail	<i>Motacilla cinerea</i>	-	✓						0.2
White Wagtail	<i>Motacilla alba</i>	-	✓	7.4	0.8	1.0	4.0	4.4	10.8
Richard's Pipit	<i>Anthus richardi</i>	-	✓						V
Red-billed Starling	<i>Spodiopsar sericeus</i>	-	✓	1.0	3.3	2.2		V	
Collared Crow	<i>Corvus torquatus</i>	LC	✓	V	V	0.2	0.5	0.4	0.8
			<b>No. of species recorded</b>	<b>17</b>	<b>11</b>	<b>13</b>	<b>18</b>	<b>21</b>	<b>29</b>

Note:

(1) Conservation status follows that of Fellowes et al. (2002) and BirdLife International listing (2010). See Table B3.

(2) Refers to the mean number of individuals recorded in each survey in the Survey Area (excluding the WRA).

(3) Follows HK bird list (dated 2014-6-9).

"V" Indicates the species is recorded outside regular surveys.

Table B2. Summary of bird monitoring (for species of conservation importance and/or wetland-dependence) in the WRA

Common Name <sup>(3)</sup>	Scientific Name <sup>(3)</sup>	Conservation Status <sup>(1)</sup>	Wetland Dependent	May	Jun	Jul	Aug	Sep	Oct
				Mean <sup>(2)</sup>	Mean <sup>(2)</sup>	Mean <sup>(2)</sup>	Mean <sup>(2)</sup>	Mean <sup>(2)</sup>	Mean <sup>(2)</sup>
Little Grebe	<i>Tachybaptus ruficollis</i>	LC	✓	0.8	2.0	3.2	1.8	1.6	1.4
Great Cormorant	<i>Phalacrocorax carbo</i>	PRC	✓						V
Grey Heron	<i>Ardea cinerea</i>	PRC	✓					1.0	1.6
Great Egret	<i>Ardea alba</i>	PRC, (RC)	✓	V	0.5	V	V	0.2	V
Intermediate Egret	<i>Egretta intermedia</i>	RC	✓						V
Little Egret	<i>Egretta garzetta</i>	PRC, (RC)	✓	1.2	3.3	1.8	1.3	2.6	1.6
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	LC	✓	V					
Chinese Pond Heron	<i>Ardeola bacchus</i>	PRC, (RC)	✓	1.6	1.0	1.4	1.5	4.2	1.4
Yellow Bittern	<i>Ixobrychus sinensis</i>	LC	✓	0.4	1.3	1.0	0.8	0.2	0.2
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	(LC)	✓	V					V
Black Kite	<i>Milvus migrans</i>	RC	✓	0.6	0.3	0.6			0.4
Eastern Buzzard	<i>Buteo japonicus</i>	-	x						V
Eurasian Hobby	<i>Falco subbuteo</i>	LC	✓				V		
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	-	✓	0.2	V	1.4	0.5	0.5	0.2
Black-winged Stilt	<i>Himantopus himantopus</i>	(RC)	✓					V	V
Little Ringed Plover	<i>Charadrius dubius</i>	(LC)	✓		0.3				1.2
Common Greenshank	<i>Tringa nebularia</i>	LC	✓						V
Green Sandpiper	<i>Tringa ochropus</i>	-	✓				V		V
Wood Sandpiper	<i>Tringa glareola</i>	(LC)	✓			0.4	0.3		0.2
Common Sandpiper	<i>Actitis hypoleucos</i>	-	✓	0.4	V	V	0.3	2.6	4.4
Temminck's Stint	<i>Calidris temminckii</i>	LC	✓						0.6
Pied Kingfisher	<i>Ceryle rudis</i>	(LC)	✓			V			
White-thorated Kingfisher	<i>Halcyon smyrnensis</i>	LC	✓			V			
Common Kingfisher	<i>Alcedo atthis</i>	-	✓	1.2	1.8	0.6	1.3	1.4	1.8
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	-	✓					0.6	0.2
White Wagtail	<i>Motacilla alba</i>	-	✓	0.6	1.2	0.8	1.8	1.8	3.2

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Common Name <sup>(3)</sup>	Scientific Name <sup>(3)</sup>	Conservation Status <sup>(1)</sup>	Wetland Dependent	May	Jun	Jul	Aug	Sep	Oct
				Mean <sup>(2)</sup>	Mean <sup>(2)</sup>	Mean <sup>(2)</sup>	Mean <sup>(2)</sup>	Mean <sup>(2)</sup>	Mean <sup>(2)</sup>
Richard's Pipit	<i>Anthus richardi</i>	-	✓	V					V
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	-	✓					V	
Red-billed Starling	<i>Spodiopsar sericeus</i>	-	✓	V				V	
White-shouldered Starling	<i>Sturnia sinensis</i>	(LC)	✓		V		V		V
Collared Crow	<i>Corvus torquatus</i>	LC	✓	0.4		0.6		0.4	V
			<b>No. of species recorded</b>	<b>15</b>	<b>12</b>	<b>14</b>	<b>13</b>	<b>15</b>	<b>25</b>

Note:

(1) Conservation status follows that of Fellowes et al. (2002) and BirdLife International listing (2010). See Table B3.

(2) Refers to the mean number of individuals recorded in each survey in the Survey Area (excluding the WRA)

(3) Follows HK bird list (dated 2014-6-9)

V Indicates the species is recorded outside regular surveys.

Table B3. 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 (2010)
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 very 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, Endangered or Vulnerable now, but is close to qualifying for or is likely to qualify for a threatened category in the near future.	

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

Common name	Scientific name	Conservation status	Wetland Dependent	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>	LC	✓					0.5						1.0	3.8	0.8	0.5	0.5		0.6		1.4	1.6	0.8	1.0	1.3	0.2		0.2	
Great Cormorant	<i>Phalacrocorax carbo</i>	PRC	✓					0.8									0.3	0.3	0.4	1.2	0.7	0.2								
Grey Heron	<i>Ardea cinerea</i>	PRC	✓			1.0	1.6	2.0	2.0	0.4							1.0	2.5	1.8	0.8	2.3	0.8				0.3			0.4	
Purple Heron	<i>Ardea purpurea</i>	RC	✓														0.3	0.3												
Great Egret	<i>Ardea alba</i>	PRC	✓				0.4	14.0	2.0	0.2	0.5	0.3	0.5	0.3		1.5	1.8	0.8	1.2	0.6	0.7	0.6	0.6	1.0	0.3		0.4	0.5	1.5	
Intermediate Egret	<i>Egretta intermedia</i>	RC	✓					1.7	0.8	0.2						1.5	1.5	1.5	1.0	0.6	0.7	0.6	0.6				0.3	0.9		
Little Egret	<i>Egretta garzetta</i>	PRC	✓				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					0.8	0.3	1.2	
Eastern Cattle Egret	<i>Bubulcus coromandus</i>	(LC)	✓										0.3	11.8		1.3	0.3			0.4					0.3		0.2			
Chinese Pond Heron	<i>Ardeola bacchus</i>	PRC	✓			1.0	0.2				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	2.2	
Yellow Bittern	<i>Ixobrychus sinensis</i>	(LC)	✓														0.3	0.3												
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	LC	✓																											
Eurasian Spoonbill	<i>Platalea leucorodia</i>	LC	✓																											
Black-faced Spoonbill	<i>Platalea minor</i>	PGC, EN	✓					0.3	10.3											0.4										
Mandarin Duck	<i>Aix galericulata</i>	-	✓														0.3													
Eurasian Wigeon	<i>Anas penelope</i>	RC	✓				1.6	2.5																						
Eurasian Teal	<i>Anas crecca</i>	RC	✓					1.0																						
Northern Pintail	<i>Anas acuta</i>	RC	✓				0.2	7.0																						
Northern Shoveler	<i>Anas clypeata</i>	RC	✓																											
Tufted Duck	<i>Aythya fuligula</i>	LC	✓																											
Garganey	<i>Anas querquedula</i>	-	✓																											
Western Osprey	<i>Pandion haliaetus</i>	RC	✓				0.2																							
Black Kite	<i>Milvus migrans</i>	(RC)	x					0.8	0.3	0.2		0.3				0.3				0.2			0.2	0.5					0.4	
Crested Serpent Eagle	<i>Spilornis cheela</i>	(LC)	x																											
Eastern Buzzard	<i>Buteo japonicus</i>	-	x							0.2																				
Common Kestrel	<i>Falco tinnunculus</i>	-	x			1.0	0.4	1.0	0.3	0.4																				
Eurasian Hobby	<i>Falco subbuteo</i>	(LC)	✓																											
Peregrine Falcon	<i>Falco peregrinus</i>	-	x																											
Imperial Eagle	<i>Aquila heliaca</i>	-	x																											
Japanese Quail	<i>Coturnix japonica</i>	LC	✓																											
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	-	✓									0.5	0.8	1.3	2.6	1.3	1.5	0.3			0.4				0.5	1.0	0.5			
Common Moorhen	<i>Gallinula chloropus</i>	-	✓																							0.2				
Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>	LC	✓															0.3												
Greater Painted-snipe	<i>Rostratula benghalensis</i>	LC	✓								0.5																			

Common name	Scientific name	Conservation status	Wetland Dependent	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	
Black-winged Stilt	<i>Himantopus himantopus</i>	RC	✓	8.0													1.0													
Pied Avocet	<i>Recurvirostra avosetta</i>	RC	✓				0.2															0.2								
Oriental Pratincole	<i>Glareola maldivarum</i>	LC	✓								2.5																			
Little Ringed Plover	<i>Charadrius dubius</i>	LC	✓	3.0		24.5	7.4	3.8	9.0	6.8	10.5	5.5	0.5		0.2						1.0	0.6								
Kentish Plover	<i>Charadrius alexandrinus</i>	RC	✓																											
Spotted Redshank	<i>Tringa erythropus</i>	RC	✓																											
Common Redshank	<i>Tringa totanus</i>	RC	✓																											
Marsh Sandpiper	<i>Tringa stagnatilis</i>	RC	✓																											
Common Greenshank	<i>Tringa nebularia</i>	RC	✓			0.5												0.3	0.8	0.2										
Green Sandpiper	<i>Tringa ochropus</i>	-	✓			1.0	0.4	0.5	0.5	0.4				0.3							0.2		0.2	0.4			0.2			
Wood Sandpiper	<i>Tringa glareola</i>	LC	✓						0.5	1.2											0.8	0.3					0.6			
Common Sandpiper	<i>Actitis hypoleucos</i>	-	✓	1.0		0.5	1.0		0.5	0.6	1.0	0.3			0.2								0.4	0.2				0.9		
Eurasian Woodcock	<i>Scolopax rusticola</i>	-	✓																											
Pintail/Swinhoe's Snipe*	<i>Gallinago stenura/G. megala</i>	LC*	✓			0.5											0.3													
Common Snipe	<i>Gallinago gallinago</i>		✓						0.3	0.2																				
Red-necked Stint	<i>Calidris ruficollis</i>	LC	✓	3.0																										
Temminck's Stint	<i>Calidris temminckii</i>	LC	✓			0.5			2.5	0.4	1.3																			
Long-toed Stint	<i>Calidris subminuta</i>	LC	✓																		0.3									
Whiskered Tern	<i>Chlidonias hybrida</i>	-	✓																					1.3						
Domestic Pigeon	<i>Columba livia</i>	-	x												DS															
Oriental Turtle Dove	<i>Streptopelia orientalis</i>	-	x													0.2														
Red Turtle Dove	<i>Streptopelia tranquebarica</i>	-	x																											
Spotted Dove	<i>Spilopelia chinensis</i>	-	x																DS		DS	DS		DS			DS		0.6	
Asian Koel	<i>Eudynamis scolopaceus</i>	-	x																											
Greater Coucal#	<i>Centropus sinensis</i>	-	x																											
Eurasian Eagle Owl	<i>Bubo bubo</i>	RC	x																											
Savanna Nightjar	<i>Caprimulgus affinis</i>	-	x																											
Pacific Swift	<i>Apus pacificus</i>	(LC)	x								0.3																			
House Swift	<i>Apus nipalensis</i>	-	x	10.0						0.2											DS	DS								
Pied Kingfisher	<i>Ceryle rudis</i>	(LC)	✓				0.2	0.3	0.5	0.2			0.3										0.2			0.5				
Common Kingfisher	<i>Alcedo atthis</i>	-	✓				0.4	0.5	0.3		0.3	0.5	1.0	0.3	1.0	0.8	0.5	0.8	1.0	0.4		0.8					0.6		0.4	
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	(LC)	x														0.3									0.3				
Barn Swallow	<i>Hirundo rustica</i>	-	x	25.0						1.5													DS	DS		DS		DS	DS	3.0

Common name	Scientific name	Conservation status	Wetland Dependent	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
Red-rumped Swallow	<i>Hirundo daurica</i>	-	x																										
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	-	✓			14.5	10.2	15.0	23.5	8.2	11.8	1.8			0.2	0.8	1.5	2.0	1.2	0.6		4.0	1.0						
Grey Wagtail	<i>Motacilla cinerea</i>	-	✓				0.2		0.3	0.2						0.3													
White Wagtail	<i>Motacilla alba</i>	-	✓	3.0			1.8											DS	DS	DS	DS	DS				DS	1.8	3.2	
Richard's Pipit	<i>Anthus richardi</i>	-	✓			1.5	0.8	0.5	1.0	1.0	1.8	0.5					0.3		DS		DS	DS	DS						
Olive-backed Pipit	<i>Anthus hodgsoni</i>	-	x			0.5													DS										
Red-throated Pipit	<i>Anthus cervinus</i>	LC	x		2.0	2.5	1.2	0.5	0.5	0.2													0.4						0.7
Buff-bellied Pipit	<i>Anthus rubescens</i>	LC	x		1.0	1.5																							
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	-	x																										
Chinese Bulbul	<i>Pycnonotus sinensis</i>	-	x																			DS		DS		DS			
Long-tailed Shrike	<i>Lanius schach</i>	-	x																	DS	DS					DS	DS		
Oriental Magpie Robin	<i>Copsychus saularis</i>	-	x																		DS								
Daurian Redstart	<i>Phoenicurus aureus</i>	-	x																										
Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	-	x		3.0	0.5	1.0	1.0	0.8	0.2	0.3						1.0		DS	DS		DS							
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	-	x																							DS			
Lanceolated Warbler	<i>Locustella lanceolata</i>	-	✓														0.3												
Pallas's Grasshopper Warbler	<i>Locustella certhiola</i>	LC	✓														0.3												
Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	-	✓														0.3												
Zitting Cisticola	<i>Cisticola juncidis</i>	LC	x							0.2	1.5	2.5	2.5	1.0	0.4		0.3	0.8	1.8	0.2	0.3	0.6					0.2		
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	-	x																	DS		DS		DS		DS	DS	0.8	0.4
Plain Prinia	<i>Prinia inornata</i>	-	x																		DS		DS		DS	DS	DS		
Dusky Warbler	<i>Phylloscopus fuscatus</i>	-	x														0.5		DS										
Yellow-browed warbler	<i>Phylloscopus inornatus</i>	-	x																										1.4
Chinese Penduline-Tit	<i>Remiz consobrinus</i>	RC	✓																			1.2	0.2						
Japanese White-eye	<i>Zosterops japonica</i>	-	x																										
Little Bunting	<i>Emberiza pusilla</i>	-	x			0.5																							
Black-faced Bunting	<i>Emberiza spodocephala</i>	-	x								0.5																		
Chinese Grosbeak	<i>Eophona migratoria</i>	LC	x														0.3												
Scaly-breasted Munia	<i>Lonchura punctulata</i>	-	x	20.0				2.5		15.0	7.5													DS		DS	DS	1.5	
Eurasian Tree Sparrow	<i>Passer montanus</i>	-	x																				DS		DS		DS		

Common name	Scientific name	Conservation status	Wetland Dependent	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
Red-billed Starling	<i>Spodiopsar sericeus</i>	GC	x													0.3		0.8	1.6	6.6	39.0	17.4							
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	PRC	x												6.6														
Black-collared Starling	<i>Gracupica nigricollis</i>	-	x																DS	DS	DS	DS					DS		
White-shouldered Starling	<i>Sturnia sinensis</i>	(LC)	x									0.3		0.5	2.4														
Common Myna	<i>Acridotheres tristis</i>	-	✓																		DS								
Crested Myna	<i>Acridotheres cristatellus</i>	-	x	3.0															DS				DS			DS		V	
Black-napped Oriole	<i>Oriolus chinensis</i>	LC	x													1.0													
Black Drongo	<i>Dicrurus macrocercus</i>	-	x																							DS	DS		
Azure-winged Magpie	<i>Cyanopica cyanus</i>	-	x																										
Eurasian Magpie	<i>Pica pica</i>	-	x																			DS					DS	0.3	
Large-billed Crow	<i>Corvus macrorhynchos</i>	-	x				0.4			0.2																			
Collared Crow	<i>Corvus torquatus</i>	LC, NT	x				0.2	0.3			0.5		0.3		0.8	0.8	0.8	0.5						0.8					
<b>No. of species recorded</b>	<b>108</b>																												

Note: Conservation Status follows that of Fellowes et. al. (2002)  
 \* 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 under terrestrial wildlife state protection (category II).

Table B5. Summary of Bird Species Recorded at the WRA and their Respective Monthly Mean between November 2012 and April 2014

Common name	Scientific name	Conservation status	Wetland Dependent	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>	LC	✓	1.0	1.0	1.2	0.4	0.6	0.4	1.5	0.5		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>	PRC	✓	0.8	3.2	0.8	1.0	0.0	0.0						0.2	V	0.4	0.6	0.5								V
Grey Heron	<i>Ardea cinerea</i>	PRC	✓	0.8	1.4	0.8	1.4	0.0	0.0					V	1.0	2.8	2.6	1.6	2.5							1.0	1.6
Purple Heron	<i>Ardea purpurea</i>	RC	✓																								
Great Egret	<i>Ardea alba</i>	PRC	✓	1.4	0.6	1.0	0.8	0.2	0.6		0.8	0.6			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>	RC	✓	0.2	0.0	0.0	0.0	0.0	0.0										V								V
Little Egret	<i>Egretta garzetta</i>	PRC	✓	0.8	2.0	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>	(LC)	✓																		1.6	V					
Chinese Pond Heron	<i>Ardeola bacchus</i>	PRC	✓	1.6	2.2	2.4	0.4	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>	(LC)	✓						V	1.0	2.5	0.2	1.4	1.3	0.8	0.4	0.2			V	V	0.4	1.3	1.0	0.8	0.2	0.2
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	LC	✓	V			0.2				0.3				V					V		V					V
Eurasian Spoonbill	<i>Platalea leucorodia</i>	LC	✓																								
Black-faced Spoonbill	<i>Platalea minor</i>	PGC, EN	✓																V	V							
Mandarin Duck	<i>Aix galericulata</i>	-	✓																								
Eurasian Wigeon	<i>Anas penelope</i>	RC	✓																								
Eurasian Teal	<i>Anas crecca</i>	RC	✓																								
Northern Pintail	<i>Anas acuta</i>	RC	✓																								
Northern Shoveler	<i>Anas clypeata</i>	RC	✓			V											1.2	7.0	5.5	V							
Tufted Duck	<i>Aythya fuligula</i>	LC	✓			V																					
Garganey	<i>Anas querquedula</i>	-	✓																								
Western Osprey	<i>Pandion haliaetus</i>	RC	✓																								
Black Kite	<i>Milvus migrans</i>	(RC)	x	0.0	0.2	0.0	0.0	0.6	0.0	0.2	0.3		1.2	0.8	0.2	0.2		V	0.5	0.8	0.4	0.6	0.3	0.6		0.4	
Crested Serpent Eagle	<i>Spilornis cheela</i>	(LC)	x																V								
Eastern Buzzard	<i>Buteo japonicus</i>	-	x																								V
Common Kestrel	<i>Falco tinnunculus</i>	-	x																								
Eurasian Hobby	<i>Falco subbuteo</i>	(LC)	✓																						V		
Peregrine Falcon	<i>Falco peregrinus</i>	-	x		V												V										
Imperial Eagle	<i>Aquila heliaca</i>	-	x			V																					
Japanese Quail	<i>Coturnix japonica</i>	LC	✓												V												
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	-	✓	0.2		0.2	0.0	0.4	0.2	V	1.8	0.2	0.2	V	0.8	0.4				V	0.2	0.2	V	1.4	0.5	0.5	0.2
Common Moorhen	<i>Gallinula chloropus</i>	-	✓																	V	0.2						
Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>	LC	✓																								
Greater Painted-snipe	<i>Rostratula benghalensis</i>	LC	✓	0.2	0.0	0.0	0.0	0.0	0.0																		
Black-winged Stilt	<i>Himantopus himantopus</i>	RC	✓									0.2	0.6	V	0.2	V										V	V
Pied Avocet	<i>Recurvirostra avosetta</i>	RC	✓	0.0	0.2	0.0	0.0	0.0	0.0																		

Common name	Scientific name	Conservation status	Wetland Dependent	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
Oriental Pratincole	<i>Glareola maldivarum</i>	LC	✓																								
Little Ringed Plover	<i>Charadrius dubius</i>	LC	✓	0.0	0.0	0.4	1.0	0.2	0.0						V	0.4		V	0.5	0.8			0.3				1.2
Kentish Plover	<i>Charadrius alexandrinus</i>	RC	✓									0.8				V											
Spotted Redshank	<i>Tringa erythropus</i>	RC	✓												V												
Common Redshank	<i>Tringa totanus</i>	RC	✓																								
Marsh Sandpiper	<i>Tringa stagnatilis</i>	RC	✓																								
Common Greenshank	<i>Tringa nebularia</i>	RC	✓	V	V	V		V									V	V		V							V
Green Sandpiper	<i>Tringa ochropus</i>	-	✓						0.2						1.0	0.6	V			0.5					V		V
Wood Sandpiper	<i>Tringa glareola</i>	LC	✓		V		V	V							V	V	V	V	V	V				0.4	0.3		0.2
Common Sandpiper	<i>Actitis hypoleucos</i>	-	✓	0.2					0.2	0.2		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>	-	✓																								
Pintail/Swinhoe's Snipe*	<i>Gallinago stenura/G. megala</i>	LC*	✓													V											
Common Snipe	<i>Gallinago gallinago</i>	-	✓		V				V																		
Red-necked Stint	<i>Calidris ruficollis</i>	LC	✓																								
Temminck's Stint	<i>Calidris temminckii</i>	LC	✓																								0.6
Long-toed Stint	<i>Calidris subminuta</i>	LC	✓																								
Whiskered Tern	<i>Chlidonias hybrida</i>	-	✓																								
Domestic Pigeon	<i>Columba livia</i>	-	X																								
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	-	X																								V
Oriental Turtle Dove	<i>Streptopelia orientalis</i>	-	X																								
Red Turtle Dove	<i>Streptopelia tranquebarica</i>	-	X																								
Spotted Dove	<i>Spilopelia chinensis</i>	-	X	0.4	1.2	0.4		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>Eudynamys scolopaceus</i>	-	X																		V						
Greater Coucal#	<i>Centropus sinensis</i>	-	X							0.2	0.3	0.2	0.2		0.2	0.2					0.4	0.8	0.3	0.8	0.5	0.2	0.2
Eurasian Eagle Owl	<i>Bubo bubo</i>	RC	X												V		V			V							
Savanna Nightjar	<i>Caprimulgus affinis</i>	-	X				V				V									V							
Pacific Swift	<i>Apus pacificus</i>	(LC)	X																								
House Swift	<i>Apus nipalensis</i>	-	X		0.4	V												V	0.5								
Pied Kingfisher	<i>Ceryle rudis</i>	(LC)	✓						V				V				0.4	V	0.3	V				V			
Common Kingfisher	<i>Alcedo atthis</i>	-	✓	0.2	0.2	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			V			
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	(LC)	X													V	0.2					1.2	1.8	0.6	1.3	1.4	1.8
Barn Swallow	<i>Hirundo rustica</i>	-	X	0.2	1.0		0.2	9.2	23.0	11.2		1.4	1.8	1.0		V			0.5	7.8	15.4	18.0	1.5	1.0	1.5	0.4	V
Red-rumped Swallow	<i>Hirundo daurica</i>	-	X	1.2	1.2													0.6									
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>	-	✓	0.2	0.2	1.4	2.8	2.2	2.2	0.2					0.4	0.2	0.6	0.6	1.0	0.3	0.2				0.6	0.2	
Grey Wagtail	<i>Motacilla cinerea</i>	-	✓	0.6	0.0	0.0	0.0	0.0																			

Common name	Scientific name	Conservation status	Wetland Dependent	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
White Wagtail	<i>Motacilla alba</i>	-	✓	2.6	1.0	1.0	3.0	4.8	2.0	1.0		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>	-	✓	0.2	0.4	1.2	0.4	0.4									0.4	0.8	2.0	2.3	3.0	V					V
Olive-backed Pipit	<i>Anthus hodgsoni</i>	-	x				0.6	1.2	1.4												0.2						
Red-throated Pipit	<i>Anthus cervinus</i>	LC	x																								
Buff-bellied Pipit	<i>Anthus rubescens</i>	LC	x																								
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	-	x						0.2		0.3		0.2			V		0.8	1.3	0.3	0.2			0.2	0.3	1.2	
Chinese Bulbul	<i>Pycnonotus sinensis</i>	-	x		0.2	2.0	0.2	0.2	3.2	2.0	3.8		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>	-	x																								V
Long-tailed Shrike	<i>Lanius schach</i>	-	x	0.2		0.4			0.2		V	0.4	0.2	0.3	0.2		0.2	V	0.3			0.2	0.3	0.4	0.5	V	
Oriental Magpie Robin	<i>Copsychus saularis</i>	-	x		0.2					0.2	0.5		0.2	0.3	V	0.2	0.2	0.4			0.2		0.3	V	V	V	
Daurian Redstart	<i>Phoenicurus aureoreus</i>	-	x			0.2										0.2	0.2	0.4									V
Stejneger's Stonechat	<i>Saxicola stejnegeri</i>	-	x	0.4	0.4	0.8			0.6						V	0.2	0.2	0.4	0.5	0.3	V	0.2					0.4
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	-	x					0.6	1.2					1.0			0.4	0.8	V	0.5	0.2	0.2	0.5	V	1.5	0.8	
Lanceolated Warbler	<i>Locustella lanceolata</i>	-	✓																								
Pallas's Grasshopper Warbler	<i>Locustella certhiola</i>	LC	✓																								
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>	-	✓																								V
Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>	-	✓	0.2	0.0	0.0	0.0	0.0	0.0																		
Common Tailorbird	<i>Orthotomus sutorius</i>	-	x																								0.2
Zitting Cisticola	<i>Cisticola juncidis</i>	LC	x		0.2			V										0.4		0.3	0.2						
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	-	x		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			0.4	
Plain Prinia	<i>Prinia inornata</i>	-	x	1.2	0.4	V	1.4	0.2	0.2	0.2	0.5	0.8	0.4	0.3		0.4		0.2	V	0.8	2.0	1.0		2.6	4.3	3.4	
Dusky Warbler	<i>Phylloscopus fuscatus</i>	-	x												V	0.4		0.4	0.8	1.5	V					V	V
Yellow-browed warbler	<i>Phylloscopus inornatus</i>	-	x	0.8	0.6																			0.8	0.5		V
Chinese Penduline-Tit	<i>Remiz consobrinus</i>	RC	✓														V		4.5	V							
Japanese White-eye	<i>Zosterops japonica</i>	-	x															0.2			0.6			V			
Little Bunting	<i>Emberiza pusilla</i>	-	x																								
Black-faced Bunting	<i>Emberiza spodocephala</i>	-	x																	V							
Chinese Grosbeak	<i>Eophona migratoria</i>	LC	x																								
Scaly-breasted Munia	<i>Lonchura punctulata</i>	-	x				1.0	2.2	1.0			2.0	0.4	0.3			1.8	1.8	V	1.8	V	3.2	5.8	0.8	1.5	1.3	
Eurasian Tree Sparrow	<i>Passer montanus</i>	-	x												0.8	V									V	8.8	3.6
Red-billed Starling	<i>Spodiopsar sericeus</i>	GC	x																V			V				V	

Common name	Scientific name	Conservation status	Wetland Dependent	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
White-cheeked Starling	<i>Spodiopsar cineraceus</i>	PRC	x																								
Black-collared Starling	<i>Gracupica nigricollis</i>	-	x			0.8	0.4	0.2	0.2	0.2				0.8		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>	(LC)	x									0.2											V		V		V
Common Myna	<i>Acridotheres tristis</i>	-	✓																						V		
Crested Myna	<i>Acridotheres cristatellus</i>	-	x	0.6						0.2	0.3	0.8	0.2			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>	LC	x																								
Black Drongo	<i>Dicrurus macrocercus</i>	-	X											0.3	0.4	V									1.5		0.2
Azure-winged Magpie	<i>Cyanopica cyanus</i>	-	X													V											
Eurasian Magpie	<i>Pica pica</i>	-	X								0.3				V		0.8	V	0.3	0.2							
Large-billed Crow	<i>Corvus macrorhynchos</i>	-	x								1.0												0.3				
Collared Crow	<i>Corvus torquatus</i>	LC, NT							V						0.2	0.2			V	0.5	0.8	0.4		0.6		0.4	V
<b>No. of species recorded</b>		<b>111</b>																									

Note: Conservation Status follows that of Fellowes et. al. (2002)

\* 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 under terrestrial wildlife state protection (category II).