

## J. Summary of Herpetofauna, Mammal and Insect Surveys Conducted

**Table J1: Summary of herpetofauna monitoring in the Survey Area (excluding the WRA)**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Amphibian</b>	<b>No. of species recorded:</b>	<b>2</b>			
Asian Common Toad	<i>Bufo melanostictus</i>	-	1	5.0	0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	1	1.0	0
Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Reptile</b>	<b>No. of species recorded:</b>	<b>2</b>			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	1	1.5	0
Checkered Keelback	<i>Xenochrophis flavipunctatus</i>	-	1	1.0	0

Note:

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

(2) Indicates number of surveys recorded within the reporting period.

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

(4) Includes observations during other surveys and/or site visits.

(5) Two regular survey and six outside surveys were conducted.

V Indicates the species is recorded outside regular surveys

**Table J2: Summary of herpetofauna monitoring in the WRA**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Amphibian</b>	<b>No. of species recorded:</b>	<b>6</b>			
Asian Common Toad	<i>Bufo melanostictus</i>	-	1	3.0	0
Gunther's Frog	<i>Hylarana guentheri</i>	-	1	0.5	0
Paddy Frog	<i>Fejervarya limnocharis</i>	-	1	0.5	0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	1	2.0	0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	1	2.0	0
Ornate Pigmy Frog	<i>Microhyla fissipes</i>	-	2	3.0	V

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Reptile</b>	<b>No. of species recorded:</b>	<b>3</b>			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	2	3.0	0
Taiwan Kukri	<i>Oligodon formosanus</i>	-	1	0.5	0
Checkered Keelback	<i>Xenochrophis flavipunctatus</i>	-	1	0.5	0

Note:

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

(2) Indicates number of surveys recorded within the reporting period.

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

(4) Includes observations during other surveys and/or site visits.

(5) Two regular survey and 13 outside surveys were conducted.

V Indicates the species is recorded outside regular surveys

**Table J3: Summary of mammal monitoring in the Survey Area (excluding the WRA)**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Max <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Mammal</b>	<b>No. of species recorded:</b>	<b>0</b>			

Note:

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

(2) Indicates number of surveys recorded within the reporting period.

(3) Refers to the maximum number of individuals recorded in the reporting period (excluding the WRA).

(4) Includes observations during other surveys and/or site visits.

(5) Eight regular surveys were conducted.

V Indicates the species is recorded outside regular surveys

**Table J4: Summary of mammal monitoring in the WRA**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Max <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Mammal</b>	<b>No. of species recorded:</b>	<b>1</b>			
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	1	2	0

Note:

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

(2) Indicates number of surveys recorded within the reporting period.

(3) Refers to the maximum number of individuals recorded in the reporting period in the WRA.

(4) Includes observations during other surveys and/or site visits.

(5) Eight regular surveys and seven outside surveys were conducted.

V Indicates the species is recorded outside regular surveys

# Species tagged with '#' are Category II protected under terrestrial wildlife state protection.

**Table J5: Summary of dragonflies (odonata) and butterfly monitoring in the Survey Area (excluding the WRA)**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Odonata</b>	<b>No. of species recorded:</b>	<b>11</b>			
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	2	1.0	0
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuianum</i>	-	1	1.5	0
Common Bluetail	<i>Ischnura senegalensis</i>	-	1	0.5	0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	2	3.0	0

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1	1.5	0
Coastal Glider	<i>Macrodiplax cora</i>	LC	1	0.5	0
Russet Percher	<i>Neurothemis fulvia</i>	-	1	0.5	0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	1	1.0	0
Wandering Glider	<i>Pantala flavescens</i>	-	1	1.0	0
Pied Skimmer	<i>Pseudothemis zonata</i>	-	1	4.0	0
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	-	2	3.5	0

  

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Butterflies</b>	<b>No. of species recorded:</b>	<b>10</b>			
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	1	1.0	0
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	2	1.5	0
Common Evening Brown	<i>Melanitis leda</i>	-	1	0.5	0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	1	0.5	0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	2	2.5	0
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	1	0.5	0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	1	1.0	0
Lime Butterfly	<i>Papilio demoleus</i>	-	1	0.5	0
Common Mormon	<i>Papilio polytes polytes</i>	-	2	3.0	0
Spangle	<i>Papilio protenor</i>	-	1	0.5	0

Note:

(1) Conservation status follows that of Fellowes *et al.* (2002), Lo & Hui (2004), Tam *et al.* (2011) and Young & Yiu (2002).

(2) Indicates number of surveys recorded within the reporting period.

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

(4) Includes observations during other surveys and/or site visits.

(5) Two Regular and six outside surveys were conducted.

V Indicates the species is recorded outside regular surveys

**Table J6: Summary of dragonflies (odonata) and butterfly monitoring in the WRA**

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Odonata</b>	<b>No. of species recorded:</b>	<b>14</b>			
Common Bluetail	<i>Ischnura senegalensis</i>	-	2	5.0	0
Blue Sprite	<i>Pseudagrion microcephalum</i>	LC	1	0.5	0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	2	3.0	0
Asian Pintail	<i>Acisoma panorpoides</i>	-	1	1.0	V
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	2	3.0	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	2	7.5	0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	2	2.5	0
Russet Percher	<i>Neurothemis fulvia</i>	-	1	0.5	0

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
Pied Percher	<i>Neurothemis tullia tullia</i>	-	1	0.5	0
Wandering Glider	<i>Pantala flavescens</i>	-	2	4.0	V
Pied Skimmer	<i>Pseudothemis zonata</i>	-	2	5.0	V
Variegated Flutterer	<i>Rhyothemis variegata arra</i>	-	2	6.5	V
Saddlebag Glider	<i>Tramea virginia</i>	-	1	0.5	0
Scarlet Basker	<i>Urothemis signata signata</i>	LC	1	0.5	0

  

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	June 2024 Occurrence <sup>(2)</sup>	June 2024 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Butterflies</b>	<b>No. of species recorded:</b>		<b>17</b>		
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	1	0.5	0
Common Archduke	<i>Lexias pardalis</i>	-	-	-	V
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	1	0.5	0
Common Sailor	<i>Neptis hylas hylas</i>	-	1	0.5	0
Common Mapwing	<i>Cyrestis thyodamas chinensis</i>	-	1	0.5	0
Common Evening Brown	<i>Melanitis leda</i>	-	1	1.0	V
Dark Evening Brown	<i>Melanitis phedima muskata</i>	-	1	1.0	0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	2	1.5	0
Silver Streak Blue	<i>Iraota timoleon timolecon</i>		1	0.5	0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	2	6.5	0
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	2	1.0	0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	1	0.5	0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	1	0.5	0
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	1	0.5	V
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	-	1	0.5	0
Common Mormon	<i>Papilio polytes polytes</i>	-	1	1.5	0
Common Straight Swift	<i>Parnara guttata</i>	-	1	0.5	0

Note:

(1) Conservation status follows that of Fellowes *et al.* (2002), Lo & Hui (2004), Tam *et al.* (2011) and Young & Yiu (2002).

(2) Indicates number of surveys recorded within the reporting period.

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

(4) Includes observations during other surveys and/or site visits.

(5) Two regular survey and 13 outside surveys were conducted.

V Indicates the species is recorded outside regular surveys.