

## 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>	Aug 2023 Occurrence <sup>(2)</sup>	Aug 2023 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	2.0	0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	1	0.5	0
Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	Aug 2023 Occurrence <sup>(2)</sup>	Aug 2023 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	1.0	0
Many-banded Krait	<i>Bungarus multicinctus multicinctus</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 (excluding the WRA).

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

(5) Two regular surveys and seven 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>	Aug 2023 Occurrence <sup>(2)</sup>	Aug 2023 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	1.5	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	1.5	0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	1	1.0	0
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	-	1	3.0	0
<b>Reptile</b>	<b>No. of species recorded:</b>	<b>1</b>			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	1	2.0	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 in the WRA.

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

(5) Two regular surveys and 20 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>	Aug 2023 Occurrence <sup>(2)</sup>	Aug 2023 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 (excluding the WRA).

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

(5) Nine 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>	Aug 2023 Occurrence <sup>(2)</sup>	Aug 2023 Max <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Mammal</b>	<b>No. of species recorded:</b>	<b>3</b>			
Bat	<i>Indet. sp.</i>	-	1	1	0
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	-	1	2	0
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) Nine regular surveys and 13 outside surveys were conducted.

V Indicates the species is recorded outside regular surveys

**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>	Aug 2023 Occurrence <sup>(2)</sup>	Aug 2023 Max <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Odonata</b>	<b>No. of species recorded:</b>	<b>7</b>			
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	1	1.0	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1	1.5	0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	2	2.5	0
Coastal Glider	<i>Macrodiplax cora</i>	LC	1	0.5	0
Wandering Glider	<i>Pantala flavescens</i>	-	2	8.5	0
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	-	2	11.0	0
Saddlebag Glider	<i>Tramea virginia</i>	-	1	1.0	0

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	Aug 2023 Occurrence <sup>(2)</sup>	Aug 2023 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Butterflies</b>	<b>No. of species recorded:</b>	<b>6</b>			
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	1	0.5	0
Common Sailor	<i>Neptis hylas hylas</i>	-	1	0.5	0
Dark Brand Bush Brown	<i>Mycalasis mineus mineus</i>	-	1	1.5	0
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	2	1.5	0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	2	1.5	0
Common Mormon	<i>Papilio polytes polytes</i>	-	1	1.0	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 surveys and seven 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>	Aug 2023 Occurrence <sup>(2)</sup>	Aug 2023 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Odonata</b>	<b>No. of species recorded:</b>	<b>15</b>			
Orange-tailed Sprite	<i>Ceragrion auranticum ryukyuanum</i>	-	2	3.5	0
Yellow Featherlegs	<i>Copera marginipes</i>	-	1	1.0	0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	2	7.5	0
Asian Pintail	<i>Acisoma panorpoides</i>	-	2	5.5	0
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	2	5.0	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1	1.0	0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	2	4.0	0
Russet Percher	<i>Neurothemis fulvia</i>	-	2	2.5	0
Pied Percher	<i>Neurothemis tullia tullia</i>	-	2	3.0	0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	1	0.5	0
Wandering Glider	<i>Pantala flavescens</i>	-	2	4.0	0
Pied Skimmer	<i>Pseudothemis zonata</i>	-	2	1.5	0
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	-	2	18.5	0

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	Aug 2023 Occurrence <sup>(2)</sup>	Aug 2023 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
Evening Skimmer	<i>Tholymis tillarga</i>	-	-	-	V
Saddlebag Glider	<i>Tramea virginia</i>	-	1	1.0	0

Species Name	Scientific Name	Conservation Status <sup>(1)</sup>	Aug 2023 Occurrence <sup>(2)</sup>	Aug 2023 Mean <sup>(3)</sup>	Records Outside Surveys <sup>(4)</sup>
<b>Butterflies</b>	<b>No. of species recorded:</b>	<b>16</b>			
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	1	0.5	0
Lemon Pansy	<i>Junonia lemonias lemonias</i>	-	1	0.5	0
Great Egg-fly	<i>Hypolimnys bolina kezia</i>	-	2	5.5	0
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	-	1	0.5	0
Angled Castor	<i>Ariadne ariadne alterna</i>	-	1	0.5	0
Common Evening Brown	<i>Melanitis leda</i>	-	2	1.0	0
Dark Evening Brown	<i>Melanitis phedima muskata</i>	-	1	1.5	0
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	-	1	1.0	0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	2	7.5	0
South China Bush Brown	<i>Mycalesis zonata</i>	-	1	0.5	0
Common Hedge Blue	<i>Acytolepis puspa</i>	-	1	0.5	0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	1	1.0	0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	2	2.5	0
Common Mormon	<i>Papilio polytes polytes</i>	-	2	1.0	0
Bush Hopper	<i>Ampittia dioscorides</i>	-	1	0.5	0
Rare Swift	<i>Parnara ganga</i>	-	1	0.5	0

Note:

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- (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 surveys and 20 outside surveys were conducted.
- V Indicates the species is recorded outside regular surveys