

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 ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Amphibian	No. of species recorded:	5			
Asian Common Toad	<i>Bufo melanostictus</i>	-	1	5.0	0
Gunther's Frog	<i>Hylarana guentheri</i>	-	2	1.5	0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	1	1.5	0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	1	0.5	0
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	-	1	3.0	0
Species Name	Scientific Name	Conservation Status ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Reptile	No. of species recorded:	3			
Red-eared Slider	<i>Trachemys scripta elegans</i>	-	1	1.0	0
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	1	14.0	0
Changeable Lizard	<i>Calotes versicolor</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 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 ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Amphibian	No. of species recorded:	6			
Asian Common Toad	<i>Bufo melanostictus</i>	-	1	5.0	0
Gunther's Frog	<i>Hylarana guentheri</i>	-	1	1.0	0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	1	1.0	0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	1	1.0	0
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	-	1	2.0	0
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	-	1	2.5	0
Species Name	Scientific Name	Conservation Status ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Reptile	No. of species recorded:	6			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	1	5.5	0
Long-tailed Skink	<i>Eutropis longicaudata</i>	-	1	2.0	0
Reeve's Smooth Skink	<i>Scincella reevesii</i>	-	1	1.0	0
Checked Keelback	<i>Xenochrophis flavipunctatus</i>	-	1	0.5	0
Many-banded Krait	<i>Bungarus multicinctus multicinctus</i>	-	1	0.5	0
Chinese Cobra	<i>Naja atra</i>	PRC	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 in the WRA.
- (4) Includes observations during other surveys and/or site visits.
- (5) Two regular surveys and 18 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 ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Max ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Mammal	No. of species recorded:	2			
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	-	1	1	0
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	1	5	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 and no outside 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 ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Max ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Mammal	No. of species recorded:	2			
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	-	1	5	0
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	1	5	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 11 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 ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Odonata	No. of species recorded:	10			
Common Bluetail	<i>Ischnura senegalensis</i>	-	2	17.0	0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	1	0.5	0
Golden Flangetail	<i>Sinictinogomphus clavatus</i>	-	1	1.5	0
Regal Pond Cruiser	<i>Epopthalmia elegans</i>	-	1	0.5	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	2	25.0	0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	1	1.5	0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	2	16.5	0
Wandering Glider	<i>Pantala flavescens</i>	-	2	6.0	0
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	-	2	38.0	0
Saddlebag Glider	<i>Tramea virginia</i>	-	1	3.0	0
Species Name	Scientific Name	Conservation Status ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Butterflies	No. of species recorded:	9			
Plain Tiger	<i>Danaus chrysippus</i>	-	1	0.5	0
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	1	0.5	0
Common Sailor	<i>Neptis hylas hylas</i>	-	1	1.0	0

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	2	1.5	0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	2	6.0	0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	2	1.0	0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	1	3.0	0
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	-	1	0.5	0
Common Mormon	<i>Papilio polytes polytes</i>	-	2	2.5	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 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 ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Odonata	No. of species recorded:	18			
Common Bluetail	<i>Ischnura senegalensis</i>	-	2	3.0	0
Pale-spotted Emperor	<i>Anax guttatus</i>	-	2	2.0	0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	1	1.0	0
Golden Flangetail	<i>Sinictinogomphus clavatus</i>	-	1	0.5	0
Regal Pond Cruiser	<i>Epophthalmia elegans</i>	-	1	0.5	0
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	2	4.0	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	2	2.0	0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	2	6.0	0
Pied Percher	<i>Neurothemis tullia tullia</i>	-	1	0.5	0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	2	5.0	0
Wandering Glider	<i>Pantala flavescens</i>	-	1	2.0	0
Pied Skimmer	<i>Pseudothemis zonata</i>	-	2	3.0	0
Ruby Darter	<i>Rhodothemis rufa</i>	LC	1	1.0	0
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	-	2	39.0	0
Evening Skimmer	<i>Tholymis tillarga</i>	-	2	5.0	0

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Saddlebag Glider	<i>Tramea virginia</i>	-	1	5.0	0
Scarlet Basker	<i>Urothemis signata signata</i>	LC	1	0.5	0
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	-	1	0.5	0

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Jun 2022 Occurrence ⁽²⁾	Jun 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Butterflies	No. of species recorded:	21			
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	1	0.5	0
Common Sailor	<i>Neptis hylas hylas</i>	-	1	0.5	0
Common Duffer	<i>Discophora sondaica tulliana</i>	-	1	0.5	0
Common Palmfly	<i>Elymnias hypermnestra hainana</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	9.0	0
Lesser Grass Blue	<i>Zizina otis</i>	-	1	1.0	0
Tiny Grass Blue	<i>Zizula hylax</i>	-	1	0.5	0
Tailless Line Blue	<i>Prosotas dubiosa</i>	-	1	3.0	0
Dark Cerulean	<i>Jamides bochus bochus</i>	-	1	0.5	0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	2	1.0	0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	2	2.0	0
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	-	1	0.5	0
Common Mime	<i>Chilasa clytia clytia</i>	-	1	0.5	0
Lime Butterfly	<i>Papilio demoleus</i>	-	1	1.0	0
Common Mormon	<i>Papilio polytes polytes</i>	-	1	0.5	0
Dart	<i>Potanthus sp.</i>	-	1	0.5	0
Formosan Swift	<i>Borbo cinnara</i>	-	1	1.0	0
Small Branded Swift	<i>Pelopidas mathias oberthueri</i>	-	1	0.5	0
Rare Swift	<i>Parnara ganga</i>	-	1	1.0	0
Colon Swift	<i>Caltoris bromus</i>	-	2	1.0	0

Note:

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- V Indicates the species is recorded outside regular surveys