

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⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Amphibian	No. of species recorded:	7			
Asian Common Toad	<i>Bufo melanostictus</i>	-	1	14.5	0
Gunther's Frog	<i>Hylarana guentheri</i>	-	1	2.0	0
Paddy Frog	<i>Fejervarya limnocharis</i>	-	1	23.0	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	4.0	0
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	-	1	2.5	0
Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Reptile	No. of species recorded:	1			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	1	15.5	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 ⁽¹⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Amphibian	No. of species recorded:	7			
Asian Common Toad	<i>Bufo melanostictus</i>	-	2	9.0	0
Gunther's Frog	<i>Hylarana guentheri</i>	-	2	2.5	0
Paddy Frog	<i>Fejervarya limnocharis</i>	-	1	10.0	0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	1	2.0	0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	1	0.5	0
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	-	1	2.0	0
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	-	1	3.0	0
Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Reptile	No. of species recorded:	2			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	1	7.5	0
Reeve's Smooth Skink	<i>Scincella reevesii</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 in the WRA.

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

(5) Two regular surveys 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 ⁽¹⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Max ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Mammal	No. of species recorded:	1			
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	1	3	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 ⁽¹⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Max ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Mammal	No. of species recorded:	3			
Bat	Indet. sp.	-	1	2	0
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	1	8	0
Leopard Cat#	<i>Prionailurus bengalensis</i>	Class II	1	1	V*

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 six outside surveys were conducted

Leopard Cat is listed on CITES Appendix II and vulnerable (VU) in China Red Data Book and it is protected under the Wild Animals Protection Ordinance (Cap. 170)

V Indicates the species is recorded outside regular surveys

* Leopard Cat scat were recorded

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

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Odonata	No. of species recorded:	15			
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	1	2.0	0
Common Bluetail	<i>Ischnura senegalensis</i>	-	1	3.5	0
Pale-spotted Emperor	<i>Anax guttatus</i>	-	1	0.5	0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	1	5.0	0
Golden Flangetail	<i>Sinictinogomphus clavatus</i>	-	1	0.5	0
Regal Pond Cruiser	<i>Epopthemia elegans</i>	-	1	0.5	0
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	1	0.5	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	2	3.5	0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	2	10.0	0
Coastal Glider	<i>Macrodiplax cora</i>	LC	2	1.5	0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	2	12.5	0
Wandering Glider	<i>Pantala flavescens</i>	-	2	30.0	0
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	-	2	26.5	0
Scarlet Basker	<i>Urothemis signata signata</i>	LC	1	1.0	0

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Emerald Cascader	<i>Zygonyx iris insignis</i>	PGC	1	0.5	0
Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Butterflies	No. of species recorded:	13			
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	2	1.0	0
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	2	2.0	0
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	-	1	1.0	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>	-	1	4.5	0
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	1	0.5	0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	2	3.0	0
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	1	0.5	0
Common Mime	<i>Chilasa clytia clytia</i>	-	1	0.5	0
Red Helen	<i>Papilio helenus</i>	-	1	0.5	0
Common Mormon	<i>Papilio polytes polytes</i>	-	2	1.0	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 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⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Odonata	No. of species recorded:	25			
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	2	2.0	0
Orange-tailed Sprite	<i>Ceragrion auranticum ryukyuanum</i>	-	2	1.5	0
Common Bluetail	<i>Ischnura senegalensis</i>	-	2	2.0	0
Blue Sprite	<i>Pseudagrion microcephalum</i>	LC	1	1.0	0
Yellow Featherlegs	<i>Copera marginipes</i>	-	1	0.5	0
Pale-spotted Emperor	<i>Anax guttatus</i>	-	2	6.5	0
Lesser Emperor	<i>Anax parthenope julius</i>	-	2	1.0	0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	2	3.0	0
Regal Pond Cruiser	<i>Epophthalmia elegans</i>	-	2	1.0	0
Asian Pintail	<i>Acisoma panorpoides</i>	-	2	1.0	0
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	2	16.5	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1	3.5	0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	2	14.0	0
Amber-winged Glider	<i>Hydrobasileus croceus</i>	-	1	1.5	0
Coastal Glider	<i>Macrodiplax cora</i>	LC	1	2.0	0
Pied Percher	<i>Neurothemis tullia tullia</i>	-	2	5.0	0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	2	9.0	0
Wandering Glider	<i>Pantala flavescens</i>	-	2	17.5	0
Pied Skimmer	<i>Pseudothemis zonata</i>	-	2	2.5	0
Ruby Darter	<i>Rhodothemis rufa</i>	LC	2	3.0	0
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	-	2	25.0	0
Evening Skimmer	<i>Tholymis tillarga</i>	-	2	4.5	0
Saddlebag Glider	<i>Tamea virginia</i>	-	2	2.5	0
Scarlet Basker	<i>Urothemis signata signata</i>	LC	1	1.0	0
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	-	2	8.0	0

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2022 Occurrence ⁽²⁾	Aug 2022 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Butterflies	No. of species recorded:	21			
Blue Tiger	<i>Tirumala limniace</i>	-	1	0.5	0
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	2	3.0	0
Common Indian Crow	<i>Euploea core amymone</i>	-	1	0.5	0
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	2	3.0	0
Common Sailor	<i>Neptis hylas hylas</i>	-	2	1.0	0
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	-	2	4.0	0
Common Evening Brown	<i>Melanitis leda</i>	-	1	1.5	0
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	-	1	0.5	0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	2	2.0	0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	2	7.5	0
Lesser Grass Blue	<i>Zizina otis</i>	-	1	2.0	0
Tiny Grass Blue	<i>Zizula hylax</i>	-	1	1.5	0
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	1	0.5	0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	2	2.0	0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	2	4.0	0
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	-	1	1.0	0
Common Mime	<i>Chilasa clytia clytia</i>	-	1	1.0	0
Common Mormon	<i>Papilio polytes polytes</i>	-	2	2.5	0
Conjoined Swift	<i>Pelopidas conjunctus</i>	-	1	0.5	0
Colon Swift	<i>Caltoris bromus</i>	-	1	0.5	0
Dark Swift	<i>Caltoris cahira</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).

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

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