

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 2020 Occurrence ⁽²⁾	Aug 2020 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Amphibian	No. of species recorded:	2			
Asian Common Toad	<i>Bufo melanostictus</i>	-	1	4.0	0
Gunther's Frog	<i>Hylarana guentheri</i>	-	1	0.5	0
Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2020 Occurrence ⁽²⁾	Aug 2020 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Reptile	No. of species recorded:	6			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	1	7.5	0
Reeve's Smooth Skink	<i>Scincella reevesii</i>	-	1	0.5	0
Long-tailed Skink	<i>Eutropis longicaudata</i>	-	1	0.5	V
Red-eared Slider	<i>Trachemys scripta elegans</i>	-	1	0.5	0
Many-banded Krait	<i>Bungarus multicinctus multicinctus</i>	-	1	1.0	0
Common Rat Snake	<i>Ptyas mucosus</i>	-	0	0	V

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) One daytime and one night-time regular surveys and ten 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 2020 Occurrence ⁽²⁾	Aug 2020 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Amphibian	No. of species recorded:	3			
Asian Common Toad	<i>Bufo melanostictus</i>	-	1	6.5	0
Gunther's Frog	<i>Hylarana guentheri</i>	-	2	2.5	0
Ornate Pigmy Frog	<i>Microhyla fissipes</i>	-	1	7.5	0

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2020 Occurrence ⁽²⁾	Aug 2020 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Reptile	No. of species recorded:	4			
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	2	3.5	0
Reeve's Smooth Skink	<i>Scincella reevesii</i>	-	1	1.5	0
Checked Keelback	<i>Xenochrophis flavipunctatus</i>	-	1	0.5	V
Red-eared Slider	<i>Trachemys scripta elegans</i>	-	0	0	V

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) One daytime and one night-time regular surveys and ten 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 2020 Occurrence ⁽²⁾	Aug 2020 Max ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Mammal	No. of species recorded:	2			
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	-	1	1	0
Ryukyu Mouse	<i>Mus caroli</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) Seven 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⁾	Aug 2020 Occurrence ⁽²⁾	Aug 2020 Max ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Mammal	No. of species recorded:	3			
Bat	<i>Indet. sp.</i>	-	0 or 1	0 or 1	V or 0
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	0 or 1	0 or 2	V or 0
Small Asian Mongoose	<i>Herpestes javanicus</i>	-	0	0	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) Seven regular surveys and ten 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

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

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2020 Occurrence ⁽²⁾	Aug 2020 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Odonata	No. of species recorded:	16			
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
Golden Flangetail	<i>Sinictinogomphus clavatus</i>	-	1	0.5	0
Regal Pond Cruiser	<i>Epophthalmia elegans</i>	-	1	0.5	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	2	3.5	0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	2	9.0	0
Amber-winged Glider	<i>Hydrobasileus croceus</i>	-	1	0.5	0
Coastal Glider	<i>Macrodiplax cora</i>	-	2	1.5	0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	2	12.0	0
Wandering Glider	<i>Pantala flavescens</i>	-	2	37.0	0
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	-	2	25.5	0
Scarlet Basker	<i>Urothemis signata signata</i>	-	1	1.0	0
Emerald Cascader	<i>Zygonyx iris insignis</i>	-	1	1.0	0
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	1	0.5	0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	1	5	0
Butterfly	No. of species recorded:	12			
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	1	0.5	0
Great Egg-fly	<i>Hypolimnna 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
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	1	4.5	0

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2020 Occurrence ⁽²⁾	Aug 2020 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	1	0.5	0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	2	4.5	0
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	1	0.5	0
Lime Butterfly	<i>Papilio demoleus</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 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 2020 Occurrence ⁽²⁾	Aug 2020 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Odonata	No. of species recorded:	27			
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	1	1.0	0
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	2	2.0	0
Common Bluetail	<i>Ischnura senegalensis</i>	-	2	3.5	0
Blue Sprite	<i>Pseudagrion microcephalum</i>	LC	2	2.5	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
Dingy Dusk-hawker	<i>Gynacantha subinterrupta</i>	-	1	0.5	0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	2	5	0
Regal Pond Cruiser	<i>Epopthalmia elegans</i>	-	2	1.5	0
Asian Pintail	<i>Acisoma panorpoides</i>	-	1	0.5	0
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	LC	2	19.5	0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1	2.0	0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	2	16.5	0

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2020 Occurrence ⁽²⁾	Aug 2020 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Amber-winged Glider	<i>Hydrobasileus croceus</i>	-	1	2.5	0
Coastal Glider	<i>Macrodiplax cora</i>	LC	1	2.0	0
Pied Percher	<i>Neurothemis tullia tullia</i>	-	2	5.0	0
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	-	1	0.5	0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	2	8.5	0
Wandering Glider	<i>Pantala flavescens</i>	-	2	20.5	0
Pied Skimmer	<i>Pseudothemis zonata</i>	-	2	2.0	0
Ruby Darter	<i>Rhodothemis rufa</i>	LC	2	4.5	0
Variigated Flutterer	<i>Rhyothemis variegata arria</i>	-	2	38.5	0
Evening Skimmer	<i>Tholymis tillarga</i>	-	2	3.5	0
Saddlebag Glider	<i>Tramea virginia</i>	-	2	2.5	0
Scarlet Basker	<i>Urothemis signata signata</i>	-	1	1.0	0
Dingy Dusk-darter	<i>Zygomma petiolatum</i>	-	1	0.5	0

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2020 Occurrence ⁽²⁾	Aug 2020 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Butterfly	No. of species recorded:	19			
Blue Tiger	<i>Tirumala limniace</i>	-	1	0.5	0
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	2	1.5	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	3.0	0
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	-	1	0.5	0
Dark Brand Bush Brown	<i>Mycalasis mineus mineus</i>	-	2	2.0	0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	2	5.5	0
Lesser Grass Blue	<i>Zizina otis</i>	-	1	2.0	0
Tiny Grass Blue	<i>Zizula hylax</i>	LC	1	5.0	0
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	1	0.5	0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	2	1.5	0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	2	4.0	0

Species Name	Scientific Name	Conservation Status ⁽¹⁾	Aug 2020 Occurrence ⁽²⁾	Aug 2020 Mean ⁽³⁾	Records Outside Surveys ⁽⁴⁾
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	-	1	1.0	0
Common Mime	<i>Chilasa clytia clytia</i>	-	1	0.5	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:

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- (5) Two regular surveys were conducted
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