

C. Summary of Herpetofauna Monitoring, Mammals and Insect Surveys

Table C1: Summary of herpetofauna monitoring data within the Survey Area (excluding the WRA)

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
Amphibians								
Asian Common Toad	<i>Bufo melanostictus</i>	-	0.0	0.0	0.0	0.0	7.0	6.0
Gunther's Frog	<i>Hylarana guentheri</i>	-	0.0	0.0	0.0	0.0	0.0	4.0
Paddy Frog	<i>Fejervarya limnocharis</i>	-	0.0	0.0	0.0	0.0	2.0	0.0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	0.0	0.0	0.0	0.0	1.0	1.0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
No. of Species Recorded			0	0	0	0	3	4
Reptiles								
Red-eared Slider	<i>Trachemys scripta elegans</i>	-	0.0	0.0	0.0	0.0	0.0	V
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	0.0	0.0	0.0	0.0	8.0	12.5
Long-tailed Skink	<i>Eutropis longicaudata</i>	-	0.0	0.0	0.0	V	0.0	0.0
Many-banded Krait	<i>Bungarus multicinctus multicinctus</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
No. of Species Recorded			0	0	0	1	1	3

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

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

V Indicates the species is recorded outside regular surveys.

Table C2: Summary of herpetofauna monitoring in the WRA

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
Amphibians								
Asian Common Toad	<i>Bufo melanostictus</i>	-	0.0	0.0	0.0	0.0	3.0	3.0
Gunther's Frog	<i>Hylarana guentheri</i>	-	0.0	0.0	0.0	0.0	0.5	2.0
Paddy Frog	<i>Fejervarya limnocharis</i>	-	0.0	0.0	0.0	V	0.0	0.0
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	-	0.0	0.0	0.0	0.0	2.5	2.0
No. of Species Recorded			0	0	0	1	3	3

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
Reptiles								
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	0.0	0.0	0.0	0.0	3.5	6.0
Long-tailed Skink	<i>Eutropis longicaudata</i>	-	0.0	0.0	0.0	0.0	0.5	0.5
Reeve's Smooth Skink	<i>Scincella reevesii</i>	-	0.0	0.0	0.0	0.0	2.0	0.0
Common Rat Snake	<i>Ptyas mucosus</i>	-	0.0	0.0	0.0	0.0	0.0	V
No. of Species Recorded			0	0	0	0	3	3

- (1) Conservation status follows that of Fellows that of Fellowes et al. (2002), Chan et al. (2005) and Karsen et al. (1998).
- (2) Refers to the mean number of individuals recorded in the reporting period at WRA.
- V Indicates the species is recorded outside regular surveys.

Table C3: Summary of mammal monitoring in the Survey Area (excluding the WRA)

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Max ⁽²⁾					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
Mammal								
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	-	0.0	0.0	0.0	0.0	1.0	1.0
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	0.0	0.0	0.0	0.0	2.0	2.0
No. of Species Recorded			0	0	0	0	2	2

- (1) Conservation status follows that of Fellows et al. (2002) and Shek (2006).
- (2) Refers to the maximum number of individuals recorded in each month in the survey area (excluding WRA).
- V Indicates the species is recorded outside regular surveys.

Table C4: Summary of mammal monitoring in the WRA

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Max ⁽²⁾					
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
Mammal								
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	-	0.0	0.0	0.0	0.0	6.0	3.0
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	0.0	0.0	0.0	0.0	6.0	7.0
Leopard Cat	<i>Prionailurus bengalensis</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
No. of Species Recorded			0	0	0	0	2	3

- (1) Conservation status follows that of Fellows et al. (2002) and Shek (2006).
- (2) Refers to the maximum number of individuals recorded in each month at WRA.
- V Indicates the species is recorded outside regular surveys.

Table C5: Summary of dragonfly and butterfly monitoring in the Survey Area (excluding the WRA)

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾						
			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	
Odonata									
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	0.0	0.0	0.0	0.0	0.0	4.0	
Common Bluetail	<i>Ischnura senegalensis</i>	-	8.0	0.0	0.0	0.0	3.0	51.0	
Yellow Featherlegs	<i>Copera marginipes</i>	-	0.0	0.0	0.0	0.0	5.0	1.0	
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1.0	0.0	0.0	0.0	1.0	7.0	
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Pied Percher	<i>Neurothemis tullia tullia</i>	-	1.0	0.0	0.0	0.0	0.0	0.5	
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	15.0	0.0	0.0	0.0	0.0	2.5	
Wandering Glider	<i>Pantala flavescens</i>	-	5.0	0.0	0.0	0.0	4.0	2.0	
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	-	10.0	0.0	0.0	0.0	0.0	4.0	
Saddlebag Glider	<i>Tamea virginia</i>	-	3.0	0.0	0.0	0.0	0.0	0.5	
No. of Species Recorded			9	0	0	0	4	9	
Butterfly									
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	2.0	0.0	0.0	0.0	0.0	0.0	
Common Sailor	<i>Neptis hylas hylas</i>	-	0.0	0.0	0.0	0.0	1.0	0.0	
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	-	2.0	0.0	0.0	0.0	0.0	0.0	
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	2.0	0.0	0.0	0.0	3.0	0.5	
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	12.0	0.0	0.0	0.0	0.0	6.0	
Tiny Grass Blue	<i>Zizula hylax</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Dark Cerulean	<i>Jamides bochus bochus</i>	-	2.0	0.0	0.0	0.0	0.0	0.0	
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	10.0	0.0	0.0	0.0	1.0	1.5	
Indian Cabbage White	<i>Pieris canidia canidia</i>	-	3.0	0.0	0.0	0.0	0.0	0.0	
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	0.0	0.0	0.0	0.0	41.0	8.0	
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	9.0	0.0	0.0	0.0	0.0	0.0	
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	0.0	0.0	0.0	0.0	0.0	2.0	

Butterfly			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	-	0.0	0.0	0.0	0.0	1.0	0.0
Common Mime	<i>Chilasa clytia clytia</i>	-	0.0	0.0	0.0	0.0	1.0	0.0
Red Helen	<i>Papilio helenus</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Common Mormon	<i>Papilio polytes polytes</i>	-	1.0	0.0	0.0	0.0	0.0	2.5
Great Mormon	<i>Papilio memnon agenor</i>	-	0.0	0.0	0.0	0.0	1.0	0.0
Indian Palm Bob	<i>Suastus gremius gremius</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
No. of Species Recorded			13	0	0	0	7	6

- (1) Conservation status follows that of Fellows et al. (2002) and Shek (2006), Lo & Hui (2004), Wilson (2004) and Young & Yiu (2002).
 (2) Refers to the mean number of individuals recorded in each month in the survey area (excluding the WRA)

Table C6: Summary of dragonfly and butterfly monitoring in the WRA

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾					
Odonate			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	2.0	0.0	0.0	0.0	2.0	0.0
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	0.0	0.0	0.0	0.0	5.0	0.5
Common Bluetail	<i>Ischnura senegalensis</i>	-	4.0	0.0	0.0	0.0	3.0	4.5
Blue Sprite	<i>Pseudagrion microcephalum</i>	LC	0.0	0.0	0.0	0.0	1.0	0.5
Yellow Featherlegs	<i>Copera marginipes</i>	-	1.0	0.0	0.0	0.0	0.0	0.5
Lesser Emperor	<i>Anax parthenope julius</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Regal Pond Cruiser	<i>Epophthalmia elegans</i>	-	1.0	0.0	0.0	0.0	0.0	1.5
Asian Pintail	<i>Acisoma panorpoides</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	5.0	0.0	0.0	0.0	0.0	1.5
Asian Amberwing	<i>Brachythemis contaminata</i>	-	2.0	0.0	V	0.0	2.0	1.0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Pied Percher	<i>Neurothemis tullia tullia</i>	-	5.0	0.0	0.0	0.0	4.0	2.5
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	9.0	0.0	0.0	0.0	3.0	7.0

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾						
Wandering Glider	<i>Pantala flavescens</i>	-	6.0	0.0	V	0.0	1.0	3.0	
Pied Skimmer	<i>Pseudothemis zonata</i>	-	0.0	0.0	0.0	0.0	1.0	0.5	
Variagated Flutterer	<i>Rhyothemis variegata arria</i>	-	9.0	0.0	0.0	0.0	V	6.5	
Evening Skimmer	<i>Tholymis tillarga</i>	-	4.0	0.0	0.0	0.0	1.0	0.5	
Saddlebag Glider	<i>Tramea virginia</i>	-	3.0	0.0	0.0	0.0	0.0	2.5	
Scarlet Basker	<i>Urothemis signata signata</i>	LC	2.0	0.0	0.0	0.0	0.0	0.5	
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	-	0.0	0.0	0.0	0.0	1.0	0.5	
No. of Species Recorded			14	0	2	0	12	18	
Butterfly			Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	
Tawny Rajah	<i>Charaxes bernardus bernardus</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	0.0	0.0	0.0	0.0	0.0	0.5	
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	6.0	0.0	0.0	0.0	0.0	1.0	
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Angled Castor	<i>Ariadne ariadne atternus</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Dark Evening Brown	<i>Melanitis phedima muskata</i>	-	0.0	0.0	0.0	0.0	0.0	0.5	
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	4.0	0.0	V	0.0	5.0	1.0	
South China Bush Brown	<i>Mycalesis zonata</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Common Five-ring	<i>Ypthima baldus baldus</i>	-	0.0	0.0	0.0	0.0	0.0	0.5	
Long-tailed Blue	<i>Lampides boeticus</i>	-	0.0	0.0	0.0	0.0	1.0	1.5	
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	6.0	0.0	0.0	0.0	1.0	5.5	
Lesser Grass Blue	<i>Zizina otis</i>	-	0.0	0.0	0.0	0.0	3.0	0.0	
Tiny Grass Blue	<i>Zizula hylax</i>	-	3.0	0.0	0.0	0.0	0.0	3.0	
Tailless Line Blue	<i>Prosotas dubiosa</i>	-	4.0	0.0	0.0	0.0	0.0	1.5	
Common Hedge Blue	<i>Acytolepis puspa</i>	-	0.0	0.0	0.0	0.0	0.0	0.5	
Dark Cerulean	<i>Jamides bochus bochus</i>	-	5.0	0.0	0.0	0.0	0.0	0.5	
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	11.0	0.0	V	0.0	1.0	2.0	
Indian Cabbage White	<i>Pieris canidia canidia</i>	-	2.0	0.0	V	0.0	1.0	0.0	
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	0.0	0.0	0.0	0.0	8.0	5.0	
Great Orange Tip	<i>Hebomoia glaucippe glaucippe</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	

Butterfly		Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022
Mottled Emigrant	<i>Catopsilia pyranthe pyranthe</i>	-	1.0	0.0	0.0	0.0	0.0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	5.0	0.0	0.0	0.0	1.0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	0.0	0.0	0.0	0.0	3.0
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	-	2.0	0.0	0.0	0.0	1.0
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	0.0	0.0	0.0	0.0	0.5
Common Mime	<i>Chilasa clytia clytia</i>	-	1.0	0.0	0.0	0.0	2.0
Red Helen	<i>Papilio helenus</i>	-	0.0	0.0	0.0	0.0	2.0
Common Mormon	<i>Papilio polytes polytes</i>	-	3.0	0.0	V	0.0	2.0
Spangle	<i>Papilio protenor</i>	-	1.0	0.0	0.0	0.0	0.0
Paris Peacock	<i>Papilio paris</i>	-	0.0	0.0	0.0	0.0	2.0
Dark Swift	<i>Caltoris cahira</i>	-	1.0	0.0	0.0	0.0	0.5
Chinese Dart	<i>Potanthus confucius confucius</i>	-	0.0	0.0	0.0	0.0	1.0
Banana Skipper	<i>Erionota torus</i>	-	0.0	0.0	0.0	0.0	1.0
No. of Species Recorded		20	0	4	0	16	20

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

(2) Refers to the mean number of individuals recorded in each month in the survey area at WRA

V indicates the species is recorded outside regular surveys