

C. Summary of Herpetofauna Monitoring, Mammals and Insect Surveys

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

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾					
			Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021
Amphibians			Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021
Asian Common Toad	<i>Bufo melanostictus</i>	-	0.0	0.0	0.0	0.0	7.0	4.5
Gunther's Frog	<i>Hylarana guentheri</i>	-	0.0	0.0	0.0	0.0	V	3.5
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	4	4
Reptiles			Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021
Red-eared Slider	<i>Trachemys scripta elegans</i>	-	0.0	0.0	0.0	0.0	1.0	V
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	0.0	0.0	0.0	0.0	8.0	12.5
Copperhead Racer	<i>Coelognathus radiatus</i>	PRC	0.0	V	0.0	0.0	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	1	0	0	2	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 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021
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	0.0	0.5
Ornate Pigmy Frog	<i>Microhyla ornate</i>	-	0.0	0.0	0.0	0.0	0.0	2.0
No. of Species Recorded			0	0	0	0	1	3
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	3.0	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 Blind Snake	<i>Indotyphlops braminus</i>	-	0.0	0.0	0.0	0.0	V	0.0
Common Rat Snake	<i>Ptyas mucosus</i>	-	0.0	0.0	0.0	0.0	V	V
Indo Chinese Rat Snake	<i>Ptyas korros</i>	-	0.0	0.0	0.0	0.0	V	0.0
Many-banded Krait	<i>Bungarus multicinctus multicinctus</i>	-	0.0	0.0	0.0	0.0	0.0	V
King Cobra	<i>Ophiophagus hannah</i>	PRC	0.0	0.0	0.0	0.0	0.0	V
No. of Species Recorded			0	0	0	0	6	6

(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 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021
Mammal								
No records								
No. of Species Recorded			0	0	0	0	0	0

- (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 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021
Mammal								
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	0	0	2	0	0	0
Musk Shrew	<i>Suncus murinus</i>	LC	0	0	0	0	3	0
No. of Species Recorded			0	0	0	1	0	0

- (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 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021
Odonate								
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>	-	7.0	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>	-	2.0	0.0	0.0	0.0	0.0	0.0
Regal Pond Cruiser	<i>Ephthalma elegans</i>	-	1.0	0.0	0.0	0.0	0.0	0.0

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾						
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>	-	16.0	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>	-	11.0	0.0	0.0	0.0	0.0	4.0	
Saddlebag Glider	<i>Tramea virginia</i>	-	4.0	0.0	0.0	0.0	0.0	0.5	
No. of Species Recorded			10	0	0	0	4	9	
Butterfly			Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	
Plain Tiger	<i>Danaus chrysippus</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	3.0	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>	-	14.0	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>	-	12.0	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	
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>	-	2.0	0.0	0.0	0.0	0.0	2.5	

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾					
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			14	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 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	3.0	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	0.0	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
Pale-spotted Emperor	<i>Anax guttatus</i>	-	0.0	0.0	0.0	0.0	V	0.0
Lesser Emperor	<i>Anax parthenope julius</i>	-	4.0	0.0	0.0	0.0	0.0	0.0
Dingy Dusk-hawker	<i>Gynacantha subinterrupta</i>	LC	0.0	0.0	0.0	0.0	V	0.0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	0.0	0.0	0.0	0.0	V	0.0
Regal Pond Cruiser	<i>Ephthalma elegans</i>	-	1.0	0.0	0.0	V	0.0	1.5
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	0.0	0.0	V	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	V	2.5
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	9.0	0.0	0.0	0.0	3.0	7.0
Wandering Glider	<i>Pantala flavescens</i>	-	6.0	0.0	0.0	0.0	1.0	3.0
Pied Skimmer	<i>Pseudothemis zonata</i>	-	0.0	0.0	0.0	0.0	1.0	0.0

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾					
Variigated 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	V	0.0
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	0.0
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
No. of Species Recorded			14	0	0	1	13	14
Butterfly			Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021
Tawny Rajah	<i>Charaxes bernardus bernardus</i>	-	V	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>	-	7.0	0.0	0.0	0.0	0.0	0.0
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
Common Duffer	<i>Discophora sondaica tulliana</i>	-	V	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
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	5.0	0.0	0.0	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
Chocolate Royal	<i>Remelana jangala mudra</i>	-	0.0	0.0	0.0	0.0	V	0.0
Gram Blue	<i>Euchrysops cnejus</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Slate Flash	<i>Rapala manea</i>	-	1.0	0.0	0.0	0.0	V	0.0
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>	-	5.0	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
Dark Cerulean	<i>Jamides bochus bochus</i>	-	5.0	0.0	0.0	0.0	0.0	0.5

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾						
Malayan	<i>Megisba malaya</i>	LC	V	0.0	0.0	0.0	0.0	0.0	0.0
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	13.0	0.0	0.0	0.0	0.0	1.0	2.0
Indian Cabbage White	<i>Pieris canidia canidia</i>	-	1.0	0.0	0.0	0.0	0.0	1.0	0.0
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	0.0	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	0.0
Mottled Emigrant	<i>Catopsilia pyranthe pyranthe</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	5.0	0.0	0.0	0.0	0.0	1.0	0.0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	0.0	0.0	0.0	0.0	0.0	3.0	0.5
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	-	3.0	0.0	0.0	0.0	0.0	1.0	0.5
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	0.0	0.0	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	0.0	2.0	0.0
Red Helen	<i>Papilio helenus</i>	-	0.0	0.0	0.0	0.0	0.0	2.0	0.0
Common Mormon	<i>Papilio polytes polytes</i>	-	3.0	0.0	0.0	0.0	0.0	2.0	0.5
Spangle	<i>Papilio protenor</i>	-	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Paris Peacock	<i>Papilio paris</i>	-	0.0	0.0	0.0	0.0	0.0	2.0	0.5
Common Awl	<i>Hasora badra badra</i>	LC	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Bevan's Swift	<i>Pseudoborbo bevani</i>	-	0.0	0.0	0.0	0.0	0.0	V	0.0
Colon Swift	<i>Caltoris bromus</i>	-	0.0	0.0	0.0	0.0	0.0	V	0.0
Dark Swift	<i>Caltoris cahira</i>	-	1.0	0.0	0.0	0.0	0.0	V	0.5
Chinese Dart	<i>Potanthus confucius confucius</i>	-	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Tree Flitter	<i>Hyarotis adrastus praba</i>	-	0.0	0.0	0.0	0.0	V	0.0	0.0
No. of Species Recorded			26	0	0	1	20	17	

(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