

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⁾					
			May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020
Amphibians								
Asian Common Toad	<i>Bufo melanostictus</i>	-	0.0	0.0	0.0	4.0	0.0	0.0
Gunther's Frog	<i>Hylarana guentheri</i>	-	0.0	0.0	0.0	0.5	0.0	0.0
No. of Species Recorded			0	0	0	2	0	0
Reptiles								
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	0.0	0.0	0.0	7.5	0.0	0.0
Reeve's Smooth Skink	<i>Scincella reevesii</i>	-	0.0	0.0	0.0	0.5	0.0	0.0
Long-tailed Skink	<i>Eutropis longicaudata</i>	-	0.0	0.0	0.0	0.5	0.0	0.0
Red-eared Slider	<i>Trachemys scripta elegans</i>	-	0.0	0.0	0.0	0.5	0.0	0.0
Many-banded Krait	<i>Bungarus multicinctus multicinctus</i>	-	0.0	0.0	0.0	1.0	0.0	0.0
Common Rat Snake	<i>Ptyas mucosus</i>	-	0.0	0.0	0.0	V	0.0	0.0
No. of Species Recorded			0	0	0	6	0	0

(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⁾						
			May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	
Amphibians									
Asian Common Toad	<i>Bufo melanostictus</i>	-	0.0	0.0	0.0	6.5	0.0	0.0	
Gunther's Frog	<i>Hylarana guentheri</i>	-	0.0	0.5	0.0	2.5	1.0	0.0	
Ornate Pigmy Frog	<i>Microhyla ornate</i>	-	0.0	0.0	0.0	7.5	0.0	0.0	
No. of Species Recorded			0	1	0	3	1	0	
Reptiles									
Many-banded Krait	<i>Bungarus multicinctus multicinctus</i>	-	0.0	0.0	0.0	0.0	1.0	0.0	
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	0.0	0.0	0.0	3.5		0.0	
							0.0		
Reeve's Smooth Skink	<i>Scincella reevesii</i>	-	0.0	0.0	0.0	1.5	0.0	0.0	
Checked Keelback	<i>Xenochrophis flavipunctatus</i>	-	0.0	0.0	0.0	0.5	0.0	0.0	
Red-eared Slider	<i>Trachemys scripta elegans</i>	-	0.0	0.0	0.0	V	0.0	0.0	
No. of Species Recorded			0	0	0	4	1	0	

(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⁾					
			May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020
Mammal								
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	-	0	0	0	1	V	0
Ryukyu Mouse	<i>Mus caroli</i>	-	0	0	0	2	0	0
No. of Species Recorded			0	0	0	2	1	0

(1) Conservation status follows that of Fellowes 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⁾							
				May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	
Mammal										
Bat	<i>indet. sp. 1</i>	-		0	0	0	1	0	0	
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-		0	0	0	2	V	0	
Small Asian Mongoose	<i>Herpestes javanicus</i>	-		0	0	0	V	0	0	
No. of Species Recorded				0	0	0	3	1	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⁾						
				May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020
Odonate									
Wandering Midget	<i>Agriocnemis pygmaea</i>	-		0.0	0.0	0.0	2.0	0.0	0.0
Black-kneed Featherlegs	<i>Pseudocoptera ciliate</i>	-		0.5	0.0	0.0	0.0	0.0	0.0
Common Bluetail	<i>Ischnura senegalensis</i>	-		2.5	0.0	0.0	3.5	1.0	5.0
Pale-spotted Emperor	<i>Anax guttatus</i>	-		0.0	0.0	0.0	0.5	0.0	1.0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-		0.5	0.0	0.0	5.0	3.0	4.0
Golden Flangetail	<i>Sinictinogomphus clavatus</i>	-		0.0	0.0	0.0	0.5	0.0	0.0
Regal Pond Cruiser	<i>Epopthemia elegans</i>	-		0.0	0.0	0.0	0.5	1.0	1.0
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-		0.0	0.0	0.5	0.5	0.0	0.0
Asian Amberwing	<i>Brachythemis contaminata</i>	-		1.5	0.0	0.0	3.5	1.0	5.0

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾						
Crimson Darter	<i>Crocothemisservilia servilia</i>	-	0.0	0.0	0.5	9.0	2.0	1.0	
Amber-winged Glider	<i>Hydrobasileus croceus</i>	-	0.0	0.0	0.0	0.5	0.0	0.0	
Coastal Glider	<i>Macrodiplax cora</i>	LC	0.0	0.0	0.0	1.5	2.0	1.0	
Pied Percher	<i>Neurothemis tullia tullia</i>	-	0.0	0.0	1.0	0.0	0.0	1.0	
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	-	0.0	V	0.0	0.0	0.0	0.0	
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	V	0.0	0.0	12.0	11.0	25.0	
Wandering Glider	<i>Pantala flavescens</i>	-	0.0	0.0	0.0	37.0	5.0	12.0	
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	-	1.5	3.0	2.5	25.5	8.0	15.0	
Evening Skimmer	<i>Tholymis tillarga</i>	-	0.0	0.0	0.0	0.0	1.0	0.0	
Saddlebag Glider	<i>Tramea virginia</i>	-	0.0	0.0	0.0	0.0	1.0	4.0	
Scarlet Basker	<i>Urothemis signata signata</i>	LC	0.0	0.0	0.0	1.0	7.0	2.0	
Emerald Cascader	<i>Zygonyx iris insignis</i>	PGC	0.0	0.0	0.0	1.0	0.0	0.0	
No. of Species Recorded			6	2	3	15	12	13	
Butterfly			May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	
Plain Tiger	<i>Danaus chrysippus</i>	-	0.0	0.0	0.5	0.0	1.0	3.0	
Common Tiger	<i>Danaus genutia</i>	-	0.0	0.0	0.0	0.0	1.0	0.0	
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	0.0	0.0	0.0	0.5	0.0	1.0	
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	0.5	0.0	0.0	2.0	2.0	2.0	
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	-	0.0	0.0	0.0	1.0	0.0	2.0	
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	-	0.0	0.0	0.0	0.5	1.0	1.0	
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	0.0	0.0	0.0	0.0	4.0	1.0	
Long-tailed Blue	<i>Lampides boeticus</i>	-	0.5	0.0	0.0	0.0	0.0	1.0	
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	0.5	V	0.0	4.5	3.0	10.0	
Tiny Grass Blue	<i>Zizula hylax</i>	-	0.0	0.0	0.0	0.0	1.0	2.0	
Tailless Line Blue	<i>Prosotas dubiosa</i>	-	0.0	0.0	0.0	0.0	0.0	1.0	
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	0.0	0.0	0.0	0.5	2.0	1.0	
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	0.5	0.0	0.0	4.5	10.0	12.0	

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾						
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	8.0	V	0.0	0.0	0.0	1.0	
Indian Cabbage White	<i>Pieris canidia canidia</i>	-	1.5	0.5	V	0.0	0.0	0.0	
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	0.0	0.0	0.0	0.5	1.0	2.0	
Common Mime	<i>Chilasa clytia clytia</i>	-	0.0	0.0	0.0	0.0	2.0	0.0	
Lime Butterfly	<i>Papilio demoleus</i>	-	0.0	0.0	0.0	0.5	0.0	1.0	
Red Helen	<i>Papilio helenus</i>	-	0.0	0.0	0.0	0.5	0.0	0.0	
Common Mormon	<i>Papilio polytes polytes</i>	-	0.5	0.5	V	1.0	8.0	4.0	
Spangle	<i>Papilio protenor</i>	-	0.0	0.0	0.0	0.5	3.0	1.0	
Swallowtail	<i>Papilioxuthus Xuthus</i>	-	0.0	0.0	0.0	0.0	1.0	0.0	
Indian Palm Bob	<i>Suastus gremius gremius</i>	-	0.0	0.0	0.0	0.0	0.0	V	
No. of Species Recorded			7	4	3	12	14	18	

- (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⁾						
			May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	
Odonate									
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	0.0	0.0	0.0	1.0	3.0	3.0	
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	0.0	0.0	0.0	2.0	0.0	1.0	
Common Bluetail	<i>Ischnura senegalensis</i>	-	V	0.5	0.0	3.5	0.0	2.0	
Blue Sprite	<i>Pseudagrion microcephalum</i>	LC	0.0	0.0	0.0	2.5	0.0	0.0	
Yellow Featherlegs	<i>Copera marginipes</i>	-	0.0	0.0	0.0	0.5	0.0	1.0	
Pale-spotted Emperor	<i>Anax guttatus</i>	-	0.0	0.0	0.0	6.5	0.0	0.0	
Lesser Emperor	<i>Anax parthenope julius</i>	-	0.0	0.0	0.0	1.0	4.0	6.0	
Dingy Dusk-hawker	<i>Gynacantha subinterrupta</i>	LC	0.0	0.0	0.0	0.5	0.0	0.0	
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	0.5	0.0	V	5.0	0.0	0.0	

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾						
Regal Pond Cruiser	<i>Epopthalmia elegans</i>	-	0.0	0.0	0.0	1.5	3.0	1.0	
Asian Pintail	<i>Acisoma panorpoides</i>	-	0.0	0.0	0.0	0.5	0.0	0.0	
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	1.0	2.5	0.5	19.5	15.0	14.0	
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1.5	3.5	3.5	2.0	3.0	7.0	
Crimson Darter	<i>Crocothemis servilia</i>	-	0.0	1.0	1.5	16.5	4.0	2.0	
Amber-winged Glider	<i>Hydrobasileus croceus</i>	-	0.0	0.0	0.0	2.5	0.0	0.0	
Coastal Glider	<i>Macrodiplax cora</i>	LC	0.0	0.0	0.0	2.0	0.0	0.0	
Pied Percher	<i>Neurothemis tullia tullia</i>	-	0.0	0.0	0.0	5.0	17.0	11.0	
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	-	0.0	V	0.0	0.5	0.0	0.0	
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	0.0	1.0	V	8.5	12.0	16.0	
Wandering Glider	<i>Pantala flavescens</i>	-	0.0	0.0	3.5	20.5	2.0	29.0	
Pied Skimmer	<i>Pseudothemis zonata</i>	-	V	V	V	2.0	0.0	0.0	
Ruby Darter	<i>Rhodothemis rufa</i>	LC	0.0	0.0	0.0	4.5	0.0	0.0	
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	-	30.0	26.0	25.0	38.5	16.0	14.0	
Evening Skimmer	<i>Tholymis tillarga</i>	-	0.0	0.0	V	3.5	3.0	1.0	
Saddlebag Glider	<i>Tramea virginia</i>	-	0.5	2.0	0.0	2.5	4.0	5.0	
Scarlet Basker	<i>Urothemis signata signata</i>	LC	0.0	0.0	0.0	1.0	4.0	2.0	
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	-	0.0	0.0	0.0	0.5	0.0	1.0	
No. of Species Recorded			7	9	9	27	13	17	
Butterfly			May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	
Common Tiger	<i>Danaus genutia</i>	-	0.0	0.0	0.0	0.0	0.0	1.0	
Blue Tiger	<i>Tirumala limniace</i>	-	0.0	0.0	0.0	0.5	0.0	0.0	
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	0.0	0.0	0.0	1.5	1.0	0.0	
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	1.0	0.5	V	3.0	7.0	8.0	
Danaid Eggfly	<i>Hypolimnas misippus</i>	-	0.0	0.0	0.0	0.0	0.0	V	
Common Sailor	<i>Neptis hylas hylas</i>	-	0.0	0.0	0.0	1.0	1.0	1.0	
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	-	0.0	0.0	0.0	3.0	0.0	4.0	

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾						
Southern Sullied Sailer	<i>Neptis clinia susruta</i>	-	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	-	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	0.0	0.0	0.0	2.0	4.0	4.0	0.0
South China Bush Brown	<i>Mycalesis zonata</i>	-	0.0	0.0	0.0	0.0	2.0	1.0	0.0
Punchinello	<i>Zemeros flegyas</i>	-	0.0	0.0	0.0	0.0	V	0.0	0.0
Chocolate Royal	<i>Remelana jangala mudra</i>	-	0.0	0.0	0.0	0.0	2.0	0.0	0.0
Gram Blue	<i>Euchrysops cnejus</i>	-	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Long-tailed Blue	<i>Lampides boeticus</i>	-	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	V	V	0.0	5.5	9.0	8.0	0.0
Lesser Grass Blue	<i>Zizina Otis</i>	-	0.0	0.0	0.0	2.0	0.0	0.0	0.0
Tiny Grass Blue	<i>Zizula hylax</i>	-	0.0	0.0	0.0	5.0	11.0	11.0	0.0
Tailless Line Blue	<i>Prosotas dubiosa</i>	-	0.0	0.0	0.0	0.0	7.0	8.0	0.0
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	V	0.0	0.0	0.5	0.0	2.0	0.0
Mottled Emigrant	<i>Catopsilia pyranthe pyranthe</i>	-	0.0	0.0	0.0	0.0	0.0	V	0.0
Lemon Emigrant	<i>Catopsilia pomona omona</i>	-	0.0	0.0	0.0	1.5	3.0	2.0	0.0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	2.0	3.0	0.5	4.0	0.0	0.0	0.0
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	-	0.0	0.0	0.0	1.0	5.0	5.0	0.0
Indian Cabbage White	<i>Pieris canidia canidia</i>	-	2.0	1.0	0.5	0.0	0.0	0.0	0.0
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	-	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Common Jay	<i>Graphium doson axion</i>	-	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	0.0	V	0.0	0.0	0.0	0.0	0.0
Common Mime	<i>Chilasa clytia clytia</i>	-	0.0	0.0	0.0	0.5	6.0	5.0	0.0
Lime Butterfly	<i>Papilio demoleus</i>	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Helen	<i>Papilio helenus</i>	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Common Mormon	<i>Papilio polytes polytes</i>	-	V	0.0	1.0	2.5	2.0	2.0	0.0
Spangle	<i>Papilio protenor</i>	-	0.0	0.0	0.0	0.0	0.0	1.0	0.0
Common Awl	<i>Hasora badra badra</i>	-	0.0	0.0	0.0	0.0	0.0	V	0.0
Conjoined Swift	<i>Pelopidas conjunctus</i>	-	0.0	0.0	0.0	0.5	0.0	0.0	0.0

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾					
Chinese Dart	<i>Potanthus confucius confucius</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
Colon Swift	<i>Caltoris bromus</i>	-	0.0	0.0	0.0	0.5	1.0	1.0
Dark Swift	<i>Caltoris cahira</i>	-	0.0	0.0	0.0	0.5	1.0	0.0
No. of Species Recorded			6	5	4	19	17	24

(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