

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⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|----------------------|---------------------------------|------------------------------------|------------------------------------|------------------------------|--|
| Amphibian | No. of species recorded: | 5 | | | |
| Asian Common Toad | <i>Bufo melanostictus</i> | - | 2 | 3.0 | 0 |
| Gunther's Frog | <i>Hylarana guentheri</i> | - | 2 | 1.5 | 0 |
| Brown Tree Frog | <i>Polypedates megacephalus</i> | - | 1 | 3.5 | 0 |
| Asiatic Painted Frog | <i>Kaloula pulchra pulchra</i> | - | 1 | 0.5 | 0 |
| Ornate Pygmy Frog | <i>Microhyla fissipes</i> | - | 1 | 1.5 | 0 |
| Species Name | Scientific Name | Conservation Status ⁽¹⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
| Reptile | No. of species recorded: | 1 | | | |
| Bowring's Gecko | <i>Hemidactylus bowringii</i> | - | 1 | 7.5 | 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 six 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⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|----------------------|---------------------------------|------------------------------------|------------------------------------|------------------------------|--|
| Amphibian | No. of species recorded: | 6 | | | |
| Asian Common Toad | <i>Bufo melanostictus</i> | - | 1 | 1.5 | 0 |
| Gunther's Frog | <i>Hylarana guentheri</i> | - | 2 | 2.5 | 0 |
| Brown Tree Frog | <i>Polypedates megacephalus</i> | - | 1 | 1.0 | 0 |
| Asiatic Painted Frog | <i>Kaloula pulchra pulchra</i> | - | 1 | 0.5 | 0 |
| Ornate Pygmy Frog | <i>Microhyla fissipes</i> | - | 1 | 2.5 | 0 |

| Species Name | Scientific Name | Conservation Status ⁽¹⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|-------------------|---------------------------------------|------------------------------------|------------------------------------|------------------------------|--|
| Greenhouse Frog | <i>Eleutherodactylus planirostris</i> | - | 1 | 3.0 | 0 |
| Reptile | No. of species recorded: | 3 | | | |
| Bowring's Gecko | <i>Hemidactylus bowringii</i> | - | 2 | 7.0 | 0 |
| Changeable Lizard | <i>Calotes versicolor</i> | - | 1 | 0.5 | 0 |
| Long-tailed Skink | <i>Eutropis longicaudata</i> | - | 1 | 0.5 | 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 in the WRA.

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

(5) Two regular surveys and 19 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⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Max ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|-----------------------|---------------------------------|------------------------------------|------------------------------------|-----------------------------|--|
| Mammal | No. of species recorded: | 2 | | | |
| Short-nosed Fruit Bat | <i>Cynopterus sphinx</i> | - | 1 | 1 | 0 |
| Japanese Pipistrelle | <i>Pipistrellus abramus</i> | - | 1 | 5 | 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) Eight 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⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Max ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|-----------------------|---------------------------------|------------------------------------|------------------------------------|-----------------------------|--|
| Mammal | No. of species recorded: | 2 | | | |
| Short-nosed Fruit Bat | <i>Cynopterus sphinx</i> | - | 1 | 5 | 0 |
| Japanese Pipistrelle | <i>Pipistrellus abramus</i> | - | 1 | 5 | 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 in the WRA.

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

(5) Eight regular surveys and 13 outside surveys were conducted

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⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|-----------------------|---|------------------------------------|------------------------------------|------------------------------|--|
| Odonata | No. of species recorded: | 12 | | | |
| Orange-tailed Sprite | <i>Ceriagrion auranticum ryukyuanum</i> | - | 1 | 0.5 | 0 |
| Common Bluetail | <i>Ischnura senegalensis</i> | - | 2 | 57.0 | 0 |
| Pale-spotted Emperor | <i>Anax guttatus</i> | - | 1 | 1.0 | 0 |
| Common Flangetail | <i>Ictinogomphus pertinax</i> | - | 1 | 1.0 | 0 |
| Golden Flangetail | <i>Sinictinogomphus clavatus</i> | - | 2 | 1.5 | 0 |
| Regal Pond Cruiser | <i>Epophthalmia elegans</i> | - | 1 | 0.5 | 0 |
| Asian Amberwing | <i>Brachythemis contaminata</i> | - | 2 | 16.0 | 0 |
| Green Skimmer | <i>Orthetrum sabina sabina</i> | - | 2 | 11.5 | 0 |
| Wandering Glider | <i>Pantala flavescens</i> | - | 2 | 20.5 | 0 |
| Pied Skimmer | <i>Pseudothemis zonata</i> | - | 1 | 1.0 | 0 |
| Variiegated Flutterer | <i>Rhyothemis variegata arria</i> | - | 2 | 54.5 | 0 |
| Saddlebag Glider | <i>Tramea virginia</i> | - | 2 | 6.5 | 0 |
| Species Name | Scientific Name | Conservation Status ⁽¹⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
| Butterflies | No. of species recorded: | 15 | | | |
| Great Egg-fly | <i>Hypolimnas bolina kezia</i> | - | 1 | 1.0 | 0 |
| Dark Brand Bush Brown | <i>Mycalesis mineus mineus</i> | - | 2 | 1.5 | 0 |
| Pale Grass Blue | <i>Pseudozizeeria maha serica</i> | - | 2 | 6.5 | 0 |
| Tiny Grass Blue | <i>Zizula hylax</i> | - | 1 | 0.5 | 0 |
| Dark Cerulean | <i>Jamides bochus bochus</i> | - | 1 | 1.0 | 0 |
| Red-base Jezebel | <i>Delias pasithoe pasithoe</i> | - | 2 | 2.5 | 0 |
| Indian Cabbage White | <i>Pieris canidia canidia</i> | - | 1 | 0.5 | 0 |
| Small Cabbage White | <i>Pieris rapae crucivora</i> | - | 1 | 1.5 | 0 |
| Lemon Emigrant | <i>Catopsilia pomona pomona</i> | - | 1 | 0.5 | 0 |
| Common Grass Yellow | <i>Eurema hecabe hecabe</i> | - | 1 | 0.5 | 0 |

| Species Name | Scientific Name | Conservation Status ⁽¹⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|-------------------------|--------------------------------|------------------------------------|------------------------------------|------------------------------|--|
| Three-spot Grass Yellow | <i>Eurema blanda hylama</i> | - | 1 | 0.5 | 0 |
| Common Mormon | <i>Papilio polytes polytes</i> | - | 2 | 2.5 | 0 |
| Paris Peacock | <i>Papilio paris</i> | - | 1 | 0.5 | 0 |
| Bush Hopper | <i>Ampittia dioscorides</i> | - | 1 | 0.5 | 0 |
| Hainan Palm Dart | <i>Telicota besta</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 six 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⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|----------------------|---|------------------------------------|------------------------------------|------------------------------|--|
| Odonata | No. of species recorded: | 20 | | | |
| Orange-tailed Sprite | <i>Ceragrion auranticum ryukyuanum</i> | - | 1 | 1.5 | 0 |
| Common Bluetail | <i>Ischnura senegalensis</i> | - | 2 | 10.5 | 0 |
| Pale-spotted Emperor | <i>Anax guttatus</i> | - | 2 | 3.0 | 0 |
| Common Flangetail | <i>Ictinogomphus pertinax</i> | - | 1 | 0.5 | 0 |
| Golden Flangetail | <i>Sinictinogomphus clavatus</i> | - | 1 | 1.0 | 0 |
| Asian Pintail | <i>Acisoma panorpoides</i> | - | 1 | 1.0 | 0 |
| Blue Dasher | <i>Brachydiplax chalybea flavovittata</i> | - | 2 | 7.0 | 0 |
| Asian Amberwing | <i>Brachythemis contaminata</i> | - | 1 | 2.0 | 0 |
| Crimson Darter | <i>Crocothemis servilia servilia</i> | - | 2 | 5.0 | 0 |
| Blue Percher | <i>Diplacodes trivialis</i> | - | 1 | 0.5 | 0 |
| Pied Percher | <i>Neurothemis tullia tullia</i> | - | 2 | 13.0 | 0 |
| Green Skimmer | <i>Orthetrum sabina sabina</i> | - | 2 | 8.5 | 0 |
| Wandering Glider | <i>Pantala flavescens</i> | - | 2 | 9.0 | 0 |
| Pied Skimmer | <i>Pseudothemis zonata</i> | - | 2 | 2.0 | 0 |
| Ruby Darter | <i>Rhodothemis rufa</i> | LC | 1 | 0.5 | 0 |

| Species Name | Scientific Name | Conservation Status ⁽¹⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|----------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------|--|
| Variegated Flutterer | <i>Rhyothemis variegata arria</i> | - | 2 | 24.5 | 0 |
| Evening Skimmer | <i>Tholymis tillarga</i> | - | 2 | 3.5 | V |
| Saddlebag Glider | <i>Tramea virginia</i> | - | 2 | 6.0 | 0 |
| Scarlet Basker | <i>Urothemis signata signata</i> | LC | 1 | 1.5 | 0 |
| Dingy Dusk-darter | <i>Zyxomma petiolatum</i> | - | 1 | 1.5 | 0 |

| Species Name | Scientific Name | Conservation Status ⁽¹⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|-------------------------|--------------------------------------|------------------------------------|------------------------------------|------------------------------|--|
| Butterflies | No. of species recorded: | 30 | | | |
| Blue-spotted Crow | <i>Euploea midamus midamus</i> | - | 1 | 0.5 | 0 |
| Great Egg-fly | <i>Hypolimnas bolina kezia</i> | - | 1 | 0.5 | 0 |
| Common Mapwing | <i>Cyrestis thyodamas chinensis</i> | - | 1 | 0.5 | 0 |
| Danaid Eggfly | <i>Hypolimnas misippus</i> | LC | 2 | 1.5 | 0 |
| Angled Castor | <i>Ariadne ariadne atternus</i> | - | 1 | 0.5 | 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 |
| Common Five-ring | <i>Ypthima baldus baldus</i> | - | 1 | 0.5 | 0 |
| Chocolate Royal | <i>Remelana jangala mudra</i> | - | 1 | 0.5 | 0 |
| Long-tailed Blue | <i>Lampides boeticus</i> | - | 1 | 1.5 | 0 |
| Pale Grass Blue | <i>Pseudozizeeria maha serica</i> | - | 2 | 7.0 | 0 |
| Tiny Grass Blue | <i>Zizula hylax</i> | - | 2 | 1.5 | 0 |
| Tailless Line Blue | <i>Prosotas dubiosa</i> | - | 2 | 3.5 | 0 |
| Common Hedge Blue | <i>Acytolepis puspa</i> | - | 1 | 0.5 | 0 |
| Red-base Jezebel | <i>Delias pasithoe pasithoe</i> | - | 1 | 0.5 | 0 |
| Indian Cabbage White | <i>Pieris canidia canidia</i> | - | 1 | 0.5 | 0 |
| Small Cabbage White | <i>Pieris rapae crucivora</i> | - | 1 | 2.0 | 0 |
| Lemon Emigrant | <i>Catopsilia pomona pomona</i> | - | 2 | 7.5 | 0 |
| Common Grass Yellow | <i>Eurema hecabe hecabe</i> | - | 2 | 2.5 | 0 |
| Three-spot Grass Yellow | <i>Eurema blanda hylama</i> | - | 2 | 2.0 | 0 |
| Common Bluebottle | <i>Graphium sarpedon sarpedon</i> | - | 1 | 0.5 | 0 |
| Common Mime | <i>Chilasa clytia clytia</i> | - | 1 | 1.5 | 0 |
| Common Mormon | <i>Papilio polytes polytes</i> | - | 2 | 1.5 | 0 |
| Paris Peacock | <i>Papilio paris</i> | - | 1 | 0.5 | 0 |
| Pale Palm Dart | <i>Telicota colon</i> | LC | 1 | 0.5 | 0 |
| Dark Palm Dart | <i>Telicota ohara</i> | - | 1 | 0.5 | 0 |
| Dart | <i>Potanthus sp.</i> | - | 1 | 0.5 | 0 |
| Colon Swift | <i>Caltoris bromus</i> | - | 1 | 1.0 | 0 |

| Species Name | Scientific Name | Conservation Status ⁽¹⁾ | May 2023 Occurrence ⁽²⁾ | May 2023 Mean ⁽³⁾ | Records Outside Surveys ⁽⁴⁾ |
|------------------|---------------------------|------------------------------------|------------------------------------|------------------------------|--|
| Lesser Band Dart | <i>Potanthus trachala</i> | - | 1 | 0.5 | 0 |
| Banana Skipper | <i>Erionota torus</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 in the WRA.
- (4) Includes observations during other surveys and/or site visits.
- (5) Two regular surveys and 19 outside surveys were conducted
- V Indicates the species is recorded outside regular surveys