

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⁾					
			May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024
Amphibians								
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	-	2.0	5.0	1.5	0.5	0.0	0.0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	0.0	0.0	0.5	0.5	0.0	0.0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	0.0	1.0	0.0	0.0	0.0	0.0
No. of Species Recorded			1	2	2	2	0	0
Reptiles								
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	0.5	1.5	3.5	1.0	0.0	0.0
Checkered Keelback	<i>Xenochrophis flavipunctatus</i>	-	0.0	1.0	0.0	0.0	0.0	0.0
No. of Species Recorded			1	2	1	1	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)

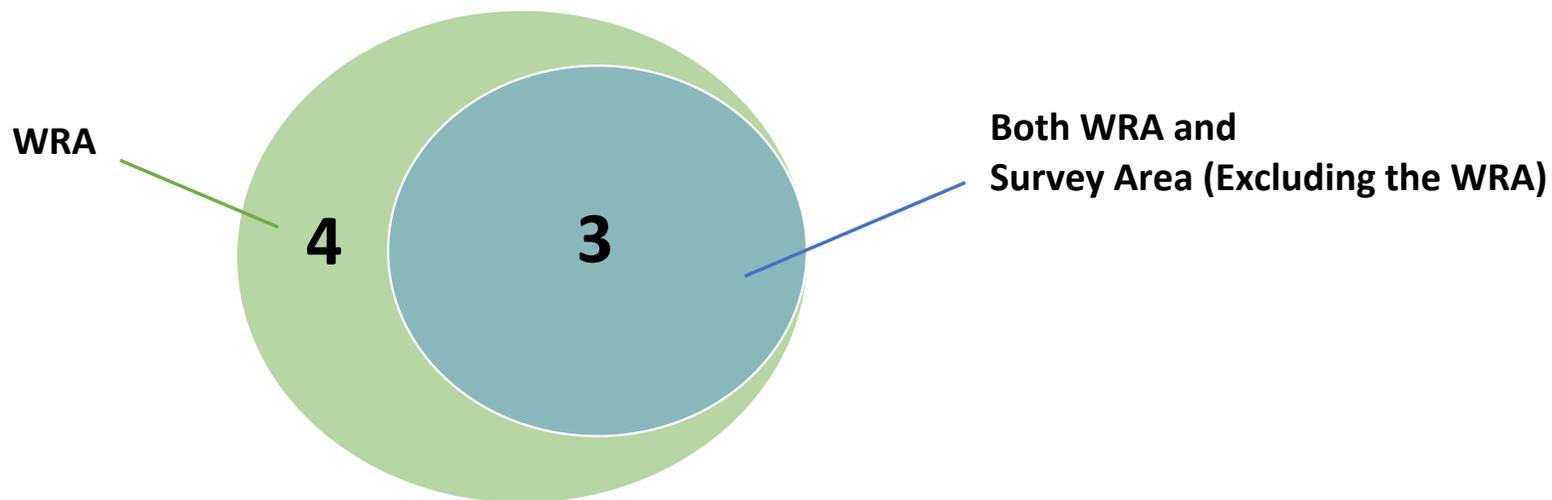
V Indicates the species is recorded outside regular surveys.

Table C2: Summary of herpetofauna monitoring in the WRA

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾					
			May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024
Amphibians								
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	-	1.5*	3.0	2.0	1.5	0.0	0.0
Gunther's Frog	<i>Hylarana guentheri</i>	-	0.5	0.5	0.5	0.5	0.0	0.0
Paddy Frog	<i>Fejervarya limnocharis</i>	-	0.0	0.5	0.5	0.0	0.0	0.0
Chinese Bullfrog	<i>Hoplobatrachus chinensis</i>	PRC	0.0	0.0	0.5	0.5	0.0	0.0
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	0.5	2.0	1.0	1.5	0.0	0.0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	2.5	2.0	1.0	0.5	0.0	0.0
Ornate Pigmy Frog	<i>Microhyla fissipes</i>	-	1.5	3.0	10.0	14.0	1.0	2.0
No. of Species Recorded			5	6	7	6	1	1
Reptiles								
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	3.0	3.0	5.0	1.0	0.0	3.0
Four-clawed Gecko	<i>Gehyra mutilata</i>	-	0.0	0.0	0.5	0.0	0.0	0.0
Taiwan Kukri	<i>Oligodon formosanus</i>	-	0.0	0.5	0.0	0.0	0.0	0.0
Common Rat Snake	<i>Ptyas mucosus</i>	-	0.0	0.0	0.0	0.0	0.0	V
Checkered Keelback	<i>Xenochrophis flavipunctatus</i>	-	0.0	0.5	0.0	0.0	V	V
Many-banded Krait	<i>Bungarus multicinctus multicinctus</i>	-	0.0	0.0	0.0	0.5	0.0	0.0
No. of Species Recorded			1	3	2	2	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 at WRA.
 V Indicates the species is recorded outside regular surveys.
 * The data has been updated since the corresponding monthly EM&A report

Chart C1: Number of Common Amphibian Species and Amphibian Species Only Found in the WRA or Survey Area (Excluding the WRA) During the Reporting Period

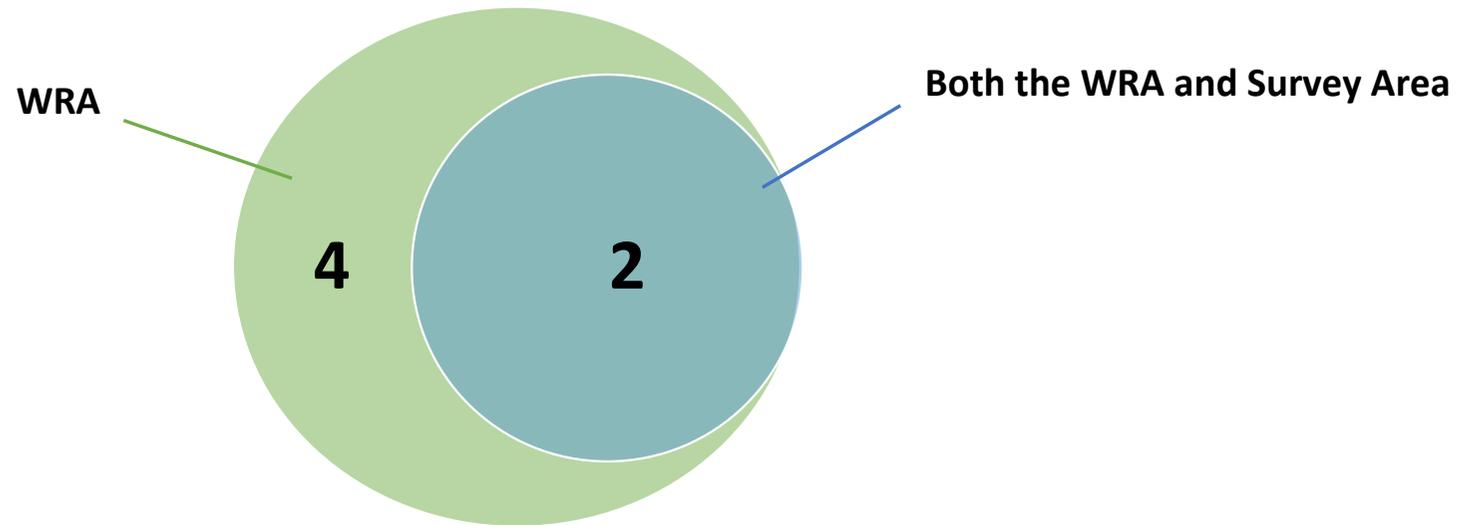


Species Only Found in the WRA	
Chinese Bullfrog	Ornate Pigmy Frog
Gunther's Frog	
Paddy Frog	
4	

Common Species Found in Both the WRA and Survey Area (Excluding the WRA)	
Asian Common Toad	
Brown Tree Frog	
Asiatic Painted Frog	
3	

Species Only Found in the Survey Area (Excluding the WRA)
0

Chart C2: Number of Common Reptile Species and Reptile Species Only Found in the WRA or Survey Area (Excluding the WRA) During the Reporting Period



Species Only Found in the WRA	
Four-clawed Gecko	Many-banded Krait
Taiwan Kukri	
Common Rat Snake	
4	

Common Species Found in Both the WRA and Survey Area (Excluding the WRA)	
Bowring's Gecko	
Checkered Keelback	
2	

Species Only Found in the Survey Area (Excluding the WRA)
0

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

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Max ⁽²⁾					
			May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	0.0	0.0	9.0	2.0	0.0	0.0
No. of Species Recorded			0	0	1	1	0	0

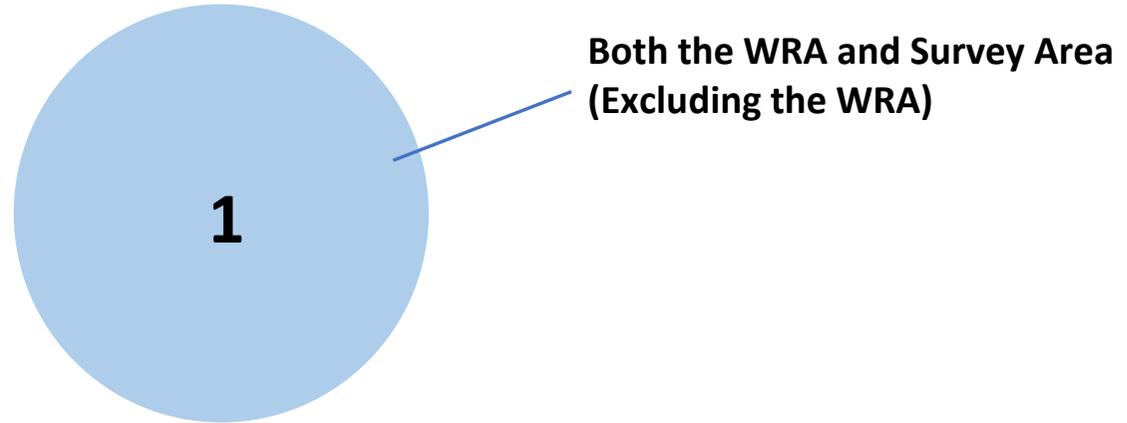
- (1) Conservation status follows that of Fellows et al. (2002) and Shek (2006).
- (2) Refers to the maximum number of individuals recorded in each month in the survey area (excluding WRA).
- V Indicates the species is recorded outside regular surveys.

Table C4: Summary of mammal monitoring in the WRA

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Max ⁽²⁾					
			May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	1.0	2.0	7.0	4.0	0.0	1.0
No. of Species Recorded			1	1	1	1	0	1

- (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.

Chart C3: Number of Common Mammal Species and Mammal Species Only Found in the WRA or Survey Area (Excluding the WRA) During the Reporting Period



Species Only Found in the WRA
0

Common Species Found in Both the WRA and Survey Area (Excluding the WRA)
Japanese Pipistrelle
1

Species Only Found in the Survey Area (Excluding the WRA)
0

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 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024
Odonata			May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	0.0	1.0	0.0	0.0	0.0	0.0
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	0.0	1.5	1.0	1.0	0.0	0.0
Common Bluetail	<i>Ischnura senegalensis</i>	-	5.5	0.5	1.0	0.0	0.0	0.0
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	0.0	3.0	0.0	0.0	0.0	0.0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	1.5	1.5	0.5	0.5	0.0	0.0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	0.0	0.0	0.0	0.0	2.0	0.0
Coastal Glider	<i>Macrodiplox cora</i>	LC	0.0	0.5	0.0	0.0	0.0	0.0
Russet Percher	<i>Neurothemis fulvia</i>	-	0.0	0.5	0.0	0.0	0.0	0.0
Pied Percher	<i>Neurothemis tullia tullia</i>	-	0.0	0.0	0.5	0.0	0.0	0.0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	1.5	1.0	0.0	1.0	0.0	0.0
Wandering Glider	<i>Pantala flavescens</i>	-	2.0	1.0	1.0	0.0	2.0	0.0
Pied Skimmer	<i>Pseudothemis zonata</i>	-	2.5	4.0	0.0	0.0	0.0	0.0
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	-	39.5	3.5	6.0	5.5	4.0	0.0
No. of Species Recorded			6	11	6	4	3	0
Butterfly			May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	0.0	1.0	0.0	0.0	3.0	0.0
Rustic	<i>Cupha erymanthis erymanthis</i>	-	0.5	0.0	0.0	0.0	0.0	0.0
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	1.0	1.5	1.0	0.0	1.0	0.0
Common Sailor	<i>Neptis hylas hylas</i>	-	0.0	0.0	1.5	0.0	0.0	0.0
Common Evening Brown	<i>Melanitis leda</i>	-	1.0	0.5	0.0	0.0	0.0	0.0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	0.0	0.5	0.0	0.5	1.0	0.0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	1.5	2.5	0.5	0.5	0.0	0.0
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	0.5	0.0	0.0	0.0	0.0	0.0
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	4.5	0.5	0.5	0.0	0.0	0.0

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾						
			May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	0.5	0.0	0.0	0.0	0.0	0.0	
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	1.0	1.0	0.0	0.0	0.0	1.0	
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	-	0.5	0.0	0.0	0.0	0.0	0.0	
Lime Butterfly	<i>Papilio demoleus</i>	-	0.5	0.5	0.0	0.0	0.0	0.0	
Common Mormon	<i>Papilio polytes polytes</i>	-	2.5	3.0	0.0	0.0	0.0	0.0	
Spangle	<i>Papilio protenor</i>	-	0.0	0.5	0.0	0.0	0.0	0.0	
Common Straight Swift	<i>Parnara guttata</i>	-	0.0	0.0	0.0	0.5	0.0	0.0	
No. of Species Recorded			11	10	4	3	3	1	

(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)

V indicates the species is recorded outside regular surveys

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

Common Name	Scientific Name	Conservation Status ⁽¹⁾	Mean ⁽²⁾						
			May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	
Odonate									
Orange-tailed Midget	<i>Agriocnemis femina oryzae</i>	-	0.5	0.0	0.0	0.0	0.0	0.0	
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	1.0	0.0	0.0	0.0	1.0	0.0	
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	2.0	0.0	0.5	2.5	1.0	0.0	
Common Bluetail	<i>Ischnura senegalensis</i>	-	8.0	5.0	1.0	0.0	1.0	V	
Blue Sprite	<i>Pseudagrion microcephalum</i>	LC	0.0	0.5	0.0	0.0	0.0	1.0	
Orange-faced Sprite	<i>Pseudagrion rubriceps rubriceps</i>	-	1.0	0.0	V	0.0	0.0	0.0	
Yellow Featherlegs	<i>Copera marginipes</i>	-	3.5	0.0	1.0	0.5	0.0	4.0	
Pale-spotted Emperor	<i>Anax guttatus</i>	-	V	0.0	V	0.0	V	1.0	
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	2.0	3.0	2.0	5.0	3.0	2.0	
Asian Pintail	<i>Acisoma panorpoides</i>	-	1.0	1.0	0.0	0.5	0.0	1.0	

Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	2.0	3.0	2.0	1.0	1.0	0.0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	2.0	7.5	5.0	1.5	1.0	2.0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	0.5	2.5	1.5	0.5	0.0	0.0
Blue Percher	<i>Diplacodes trivialis</i>	-	0.0	0.0	0.0	0.0	V	0.0
Russet Percher	<i>Neurothemis fulvia</i>	-	0.0	0.5	0.0	0.0	0.0	0.0
Pied Percher	<i>Neurothemis tullia tullia</i>	-	V	0.5	3.5	0.0	6.0	1.0
Red-faced Skimmer	<i>Orthetrum chrysis</i>	-	0.5	0.0	0.0	0.0	0.0	0.0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	4.0	0.0	0.5	1.0	6.0	1.0
Wandering Glider	<i>Pantala flavescens</i>	-	0.5	4.0	7.0	2.5	3.0	0.0
Pied Skimmer	<i>Pseudothemis zonata</i>	-	4.5	5.0	1.5	0.5	0.0	1.0
Ruby Darter	<i>Rhodothemis rufa</i>	LC	0.0	0.0	0.0	0.0	0.0	1.0
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	-	4.0	6.5	4.0	17.0	8.0	8.0
Evening Skimmer	<i>Tholymis tillarga</i>	-	0.5	0.0	1.0	0.0	V	V
Saddlebag Glider	<i>Tramea virginia</i>	-	0.5	0.5	0.0	0.0	0.0	0.0
Scarlet Basker	<i>Urothemis signata signata</i>	LC	0.0	0.5	0.5	0.0	0.0	0.0
Forest Chaser	<i>Lyriothemis elegantissima</i>	-	0.0	0.0	0.0	0.5	0.0	0.0
No. of Species Recorded			20	14	16	12	13	13
Butterfly			May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024
Plain Tiger	<i>Danaus chrysippus</i>	-	0.0	0.0	0.0	0.0	0.0	V
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	1.0	0.5	0.0	0.5	1.0	1.0
Common Archduke	<i>Lexias pardalis</i>	-	0.0	V	0.0	0.0	0.0	0.0
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	1.5	0.5	0.5	1.0	1.0	1.0
Common Sailor	<i>Neptis hylas hylas</i>	-	0.5	0.5	0.0	0.0	0.0	0.0
Common Mapwing	<i>Cyrestis thyodamas chinensis</i>	-	0.0	0.5	0.0	0.0	0.0	0.0
Common Evening Brown	<i>Melanitis leda</i>	-	1.0	1.0	0.5	1.0	0.0	0.0
Dark Evening Brown	<i>Melanitis phedima muskata</i>	-	0.0	1.0	0.0	0.5	0.0	0.0
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	-	0.5	0.0	0.0	0.5	0.0	0.0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	0.5	1.5	0.5	2.0	3.0	1.0

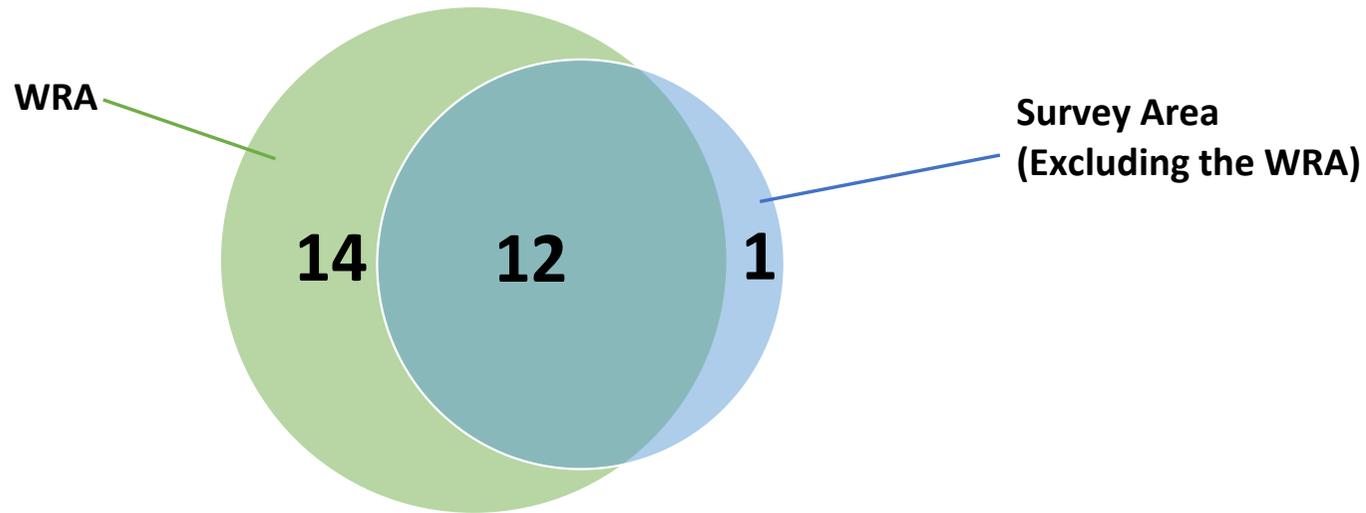
Silver Streak Blue	<i>Iraota timoleon timoleon</i>		0.0	0.5	0.0	0.0	0.0	0.0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	16.5	6.5	0.5	0.5	3.0	0.0
Common Hedge Blue	<i>Acytolepis puspa</i>	-	0.5	0.0	0.0	0.0	0.0	0.0
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	1.0	1.0	0.0	0.0	0.0	0.0
Great Orange Tip	<i>Hebomoia glaucippe glaucippe</i>	-	0.0	0.0	0.0	0.0	0.0	V
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	-	1.0	0.5	0.5	0.0	0.0	0.0
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	0.0	0.5	0.5	0.0	0.0	1.0
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	-	0.5	0.0	0.5	0.0	1.0	0.0
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	0.5	0.5	1.0	0.0	0.0	0.0
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	-	0.0	0.5	0.0	0.0	0.0	1.0
Common Mormon	<i>Papilio polytes polytes</i>	-	1.0	1.5	0.0	0.0	0.0	0.0
Paris Peacock	<i>Papilio paris</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
Paintbrush Swift	<i>Baoris farr</i>	-	0.5	0.0	0.0	V	1.0	0.0
Common Straight Swift	<i>Parnara guttata</i>	-	0.0	0.5	0.0	0.0	0.0	0.0
Rare Swift	<i>Parnara ganga</i>	-	0.0	0.0	0.5	0.0	0.0	0.0
Chinese Dart	<i>Potanthus confucius confucius</i>	-	0.0	0.0	0.0	0.5	0.0	0.0
No. of Species Recorded			14	17	9	9	6	8

(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

Chart C4: Number of Common Dragonfly Species and Dragonfly Species Only Found in the WRA or Survey Area (Excluding the WRA) During the Reporting Period

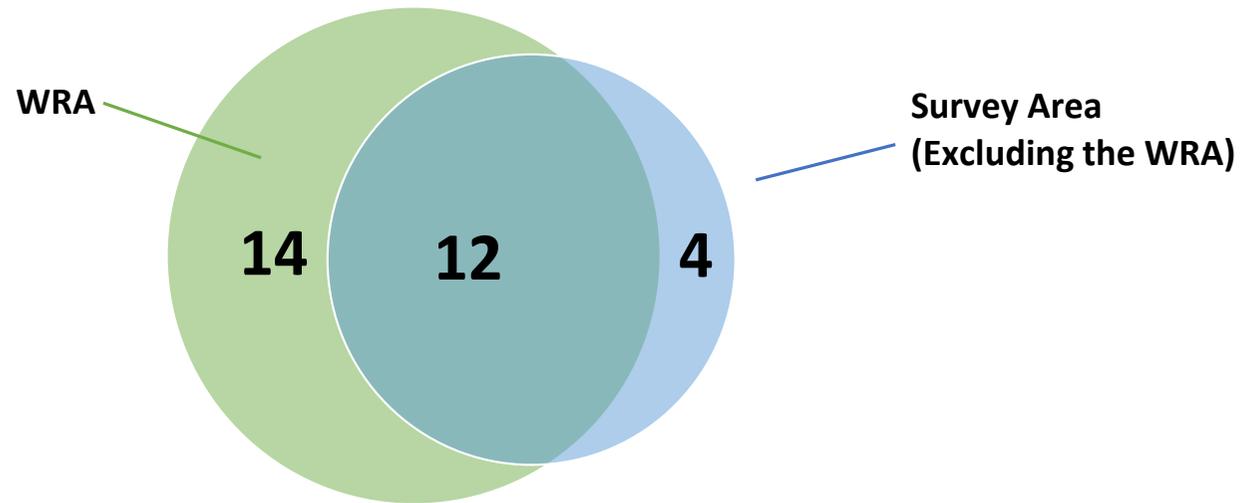


Species Only Found in the WRA	
Orange-tailed Midget	Ruby Darter
Blue Sprite	Evening Skimmer
Orange-faced Sprite	Saddlebag Glider
Yellow Featherlegs	Scarlet Basker
Pale-spotted Emperor	Forest Chaser
Asian Pintail	
Blue Dasher	
Blue Percher	
Red-faced Skimmer	
14	

Common Species Found in Both the WRA and Survey Area (Excluding the WRA)	
Wandering Midget	Wandering Glider
Orange-tailed Sprite	Pied Skimmer
Common Bluetail	Variagated Flutterer
Common Flangetail	
Asian Amberwing	
Crimson Darter	
Russet Percher	
Pied Percher	
Green Skimmer	
12	

Species Only Found in the Survey Area (Excluding the WRA)
Coastal Glider
1

Chart C5: Number of Common Butterfly Species and Butterfly Species Only Found in the WRA or Survey Area (Excluding the WRA) During the Reporting Period



Species Only Found in the WRA	
Plain Tiger	Great Orange Tip
Common Archduke	Three-spot Grass Yellow
Common Mapwing	Common Bluebottle
Dark Evening Brown	Paris Peacock
Common Palmfly	Paintbrush Swift
Silver Streak Blue	Rare Swift
Common Hedge Blue	Chinese Dart
14	

Common Species Found in Both the WRA and Survey Area (Excluding the WRA)	
Blue-spotted Crow	Small Cabbage White
Great Egg-fly	Lemon Emigrant
Common Sailor	Common Grass Yellow
Common Evening Brown	Tailed Jay
Dark Brand Bush Brown	Common Mormon
Pale Grass Blue	Common Straight Swift
12	

Species Only Found in the Survey Area (Excluding the WRA)
Rustic
Red-base Jezebel
Lime Butterfly
Spangle
4