

## 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 <sup>(1)</sup>	Mean <sup>(2)</sup>					
			Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024
<b>Amphibians</b>								
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
<b>No. of Species Recorded</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Reptiles</b>								
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	0.0	0.0	0.0	0.0	0.0	2.0
<b>No. of Species Recorded</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

(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**

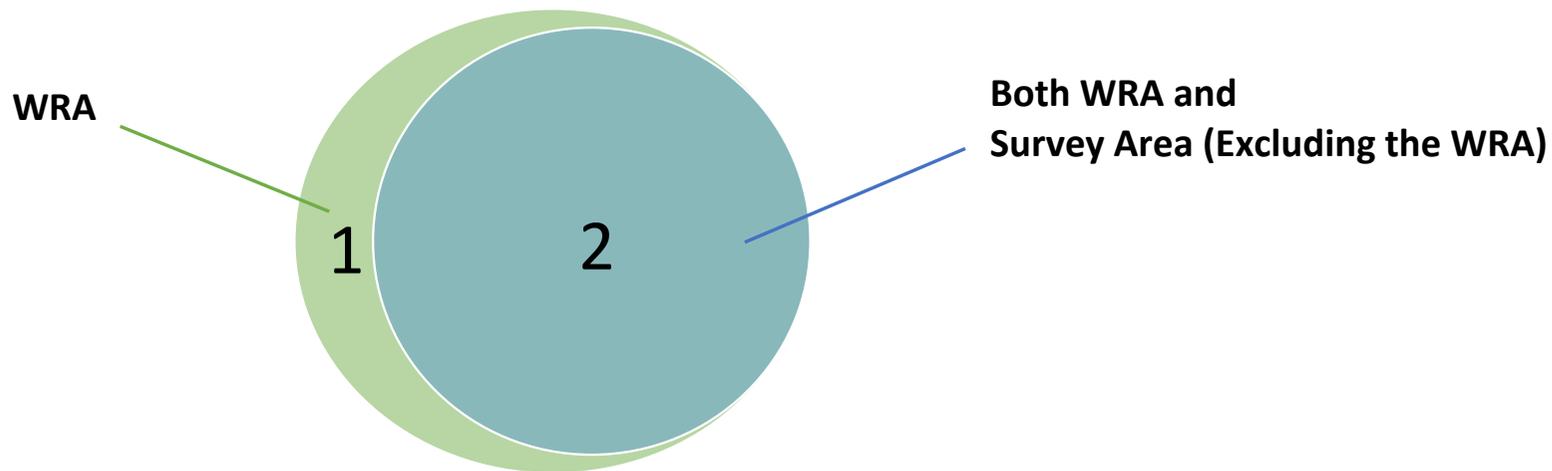
Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Mean <sup>(2)</sup>					
			Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024
<b>Amphibians</b>								
Brown Tree Frog	<i>Polypedates megacephalus</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	-	0.0	0.0	0.0	0.0	0.0	3.5
Ornate Pygmy Frog	<i>Microhyla fissipes</i>	-	0.0	0.0	0.0	0.0	1.0	3.5
<b>No. of Species Recorded</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>
<b>Reptiles</b>								
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-	1.0	0.0	0.0	0.0	V	7.0
Long-tailed Skink	<i>Eutropis longicaudata</i>	-	0.0	V	0.0	0.0	0.0	0.0
<b>No. of Species Recorded</b>			<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

(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.

**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**

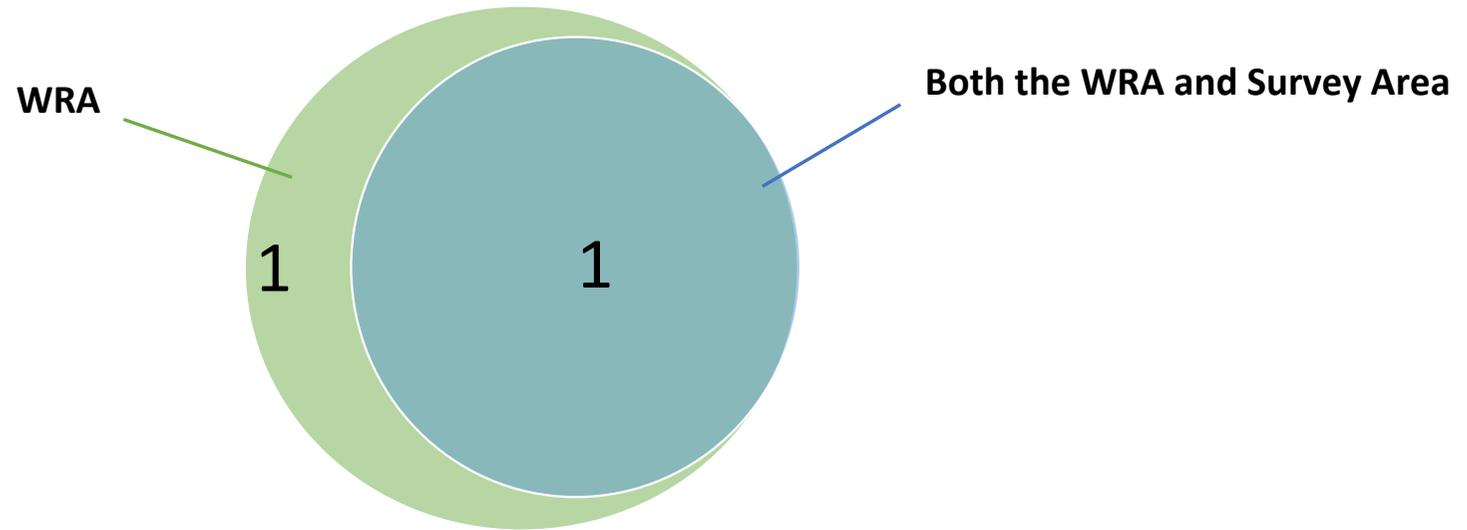


Species Only Found in the WRA
Ornate Pygmy Frog
<b>1</b>

Common Species Found in Both the WRA and Survey Area (Excluding the WRA)
Brown Tree Frog Asiatic Painted Frog
<b>2</b>

Species Only Found in the Survey Area (Excluding the WRA)
<b>0</b>

**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
Long-tailed Skink
<b>1</b>

Common Species Found in Both the WRA and Survey Area (Excluding the WRA)
Bowring's Gecko
<b>1</b>

Species Only Found in the Survey Area (Excluding the WRA)
<b>0</b>

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

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Max <sup>(2)</sup>					
			Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024
<b>Mammal</b>								
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	0.0	0.0	0.0	0.0	3.0	2.0
<b>No. of Species Recorded</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

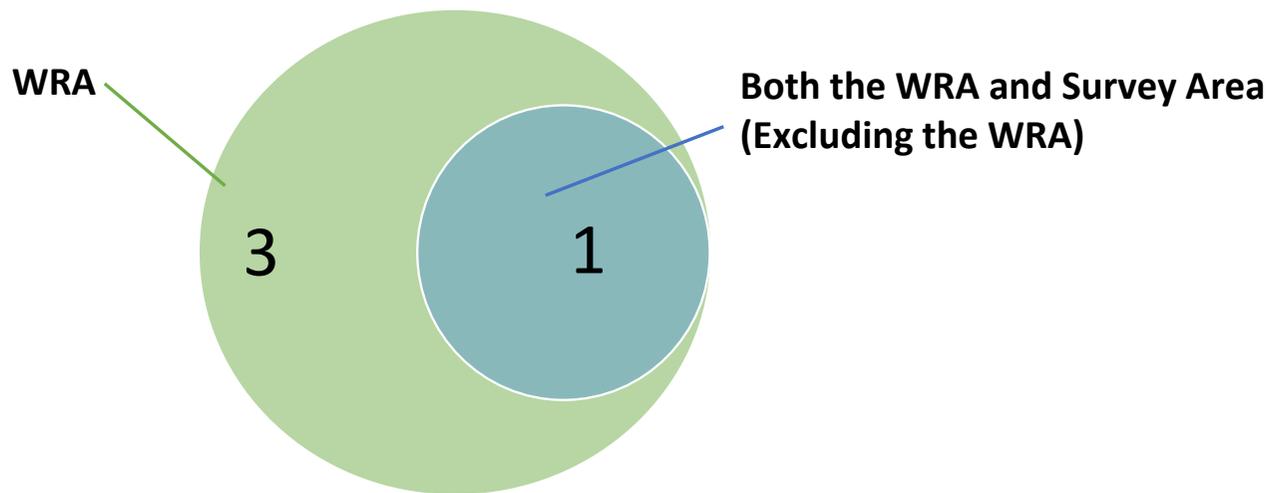
- (1) Conservation status follows that of Fellows et al. (2002) and Shek (2006).
- (2) Refers to the maximum number of individuals recorded in each month in the survey area (excluding WRA).
- V Indicates the species is recorded outside regular surveys.

**Table C4: Summary of mammal monitoring in the WRA**

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Max <sup>(2)</sup>					
			Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024
<b>Mammal</b>								
Short-nosed Fruit Bat	<i>Cynopterus sphinx</i>	-	0.0	0.0	0.0	0.0	2.0	0.0
Japanese Pipistrelle	<i>Pipistrellus abramus</i>	-	0.0	0.0	0.0	0.0	1.0	1.0
Leopard Cat#	<i>Prionailurus bengalensis</i>	Class II	0.0	V	1.0	1.0	1.0	0.0
Wild Boar	<i>Sus scrofa</i>	-	0.0	0.0	1.0	0.0	0.0	0.0
<b>No. of Species Recorded</b>			<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>

- (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
Short-nosed Fruit Bat Leopard Cat Wild Boar
<b>3</b>

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

Species Only Found in the Survey Area (Excluding the WRA)
<b>0</b>

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

Common Name	Scientific Name	Conservation Status <sup>(1)</sup>	Mean <sup>(2)</sup>					
			Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024
<b>Odonata</b>								
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
Common Bluetail	<i>Ischnura senegalensis</i>	-	0.0	0.0	0.0	0.0	1.0	2.5
Asian Pintail	<i>Acisoma panorpoides</i>	-	0.0	0.0	0.0	0.0	0.0	V
Asian Amberwing	<i>Brachythemis contaminata</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Coastal Glider	<i>Macrodiplox cora</i>	LC	0.0	0.0	0.0	0.0	0.0	0.5
Russet Percher	<i>Neurothemis fulvia</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Wandering Glider	<i>Pantala flavescens</i>	-	1.0	0.0	0.0	0.0	0.0	1.0
Pied Skimmer	<i>Pseudothemis zonata</i>	-	0.0	0.0	0.0	0.0	0.0	1.5
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	-	0.0	0.0	0.0	0.0	0.0	27.0
<b>No. of Species Recorded</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>10</b>
<b>Butterfly</b>								
			<b>Nov 2023</b>	<b>Dec 2023</b>	<b>Jan 2024</b>	<b>Feb 2024</b>	<b>Mar 2024</b>	<b>Apr 2024</b>
Common Sailor	<i>Neptis hylax hylax</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Angled Castor	<i>Ariadne ariadne alterna</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	1.0	0.0	0.0	0.0	0.0	2.5
Common Hedge Blue	<i>Acytolepis puspa</i>	-	0.0	0.0	0.0	0.0	2.0	0.0
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	7.0	0.0	0.0	0.0	1.0	1.0
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	2.0	0.0	0.0	0.0	5.0	3.5
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Common Mormon	<i>Papilio polytes polytes</i>	-	0.0	0.0	0.0	0.0	1.0	0.5
<b>No. of Species Recorded</b>			<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>7</b>

(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 <sup>(1)</sup>	Mean <sup>(2)</sup>					
			Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024
<b>Odonate</b>								
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	-	8.0	0.0	0.0	0.0	0.0	2.0
Common Bluetail	<i>Ischnura senegalensis</i>	-	1.0	0.0	0.0	0.0	1.0	4.0
Yellow Featherlegs	<i>Copera marginipes</i>	-	0.0	0.0	0.0	0.0	0.0	2.5
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	2.0	0.0	0.0	0.0	0.0	0.0
Asian Pintail	<i>Acisoma panorpoides</i>	-	1.0	0.0	0.0	0.0	0.0	2.5
Blue Dasher	<i>Brachydiplax chalybea flavovittata</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
Asian Amberwing	<i>Brachythemis contaminata</i>	-	2.0	0.0	0.0	0.0	V	5.0
Crimson Darter	<i>Crocothemis servilia servilia</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Russet Percher	<i>Neurothemis fulvia</i>	-	0.0	0.0	0.0	0.0	0.0	V
Pied Percher	<i>Neurothemis tullia tullia</i>	-	9.0	0.0	0.0	0.0	0.0	V
Red-faced Skimmer	<i>Orthetrum chrysis</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
Green Skimmer	<i>Orthetrum sabina sabina</i>	-	1.0	0.0	0.0	0.0	0.0	2.0
Wandering Glider	<i>Pantala flavescens</i>	-	23.0	0.0	0.0	0.0	0.0	1.5
Pied Skimmer	<i>Pseudothemis zonata</i>	-	0.0	0.0	0.0	0.0	0.0	3.0
Variiegated Flutterer	<i>Rhyothemis variegata arria</i>	-	2.0	0.0	0.0	0.0	V	21.0
Evening Skimmer	<i>Tholymis tillarga</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Saddlebag Glider	<i>Tramea virginia</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
<b>No. of Species Recorded</b>			<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>17</b>

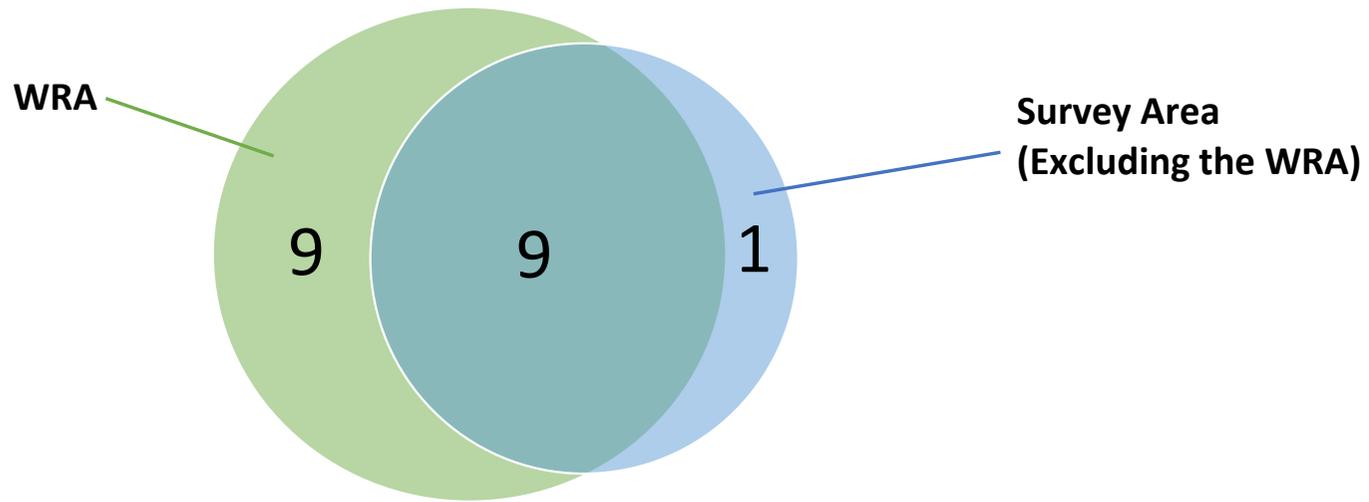
Butterfly			Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024
Blue-spotted Crow	<i>Euploea midamus midamus</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	-	3.0	0.0	0.0	0.0	1.0	1.0
Common Sailor	<i>Neptis hylas hylas</i>	-	2.0	0.0	0.0	0.0	0.0	0.5
Angled Castor	<i>Ariadne ariadne alterna</i>	-	0.0	V	0.0	0.0	1.0	0.0
Common Evening Brown	<i>Melanitis leda</i>	-	4.0	0.0	0.0	0.0	0.0	0.0
Common Palmfly	<i>Elymnias hypermnestra hainana</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Dark Brand Bush Brown	<i>Mycalesis mineus mineus</i>	-	17.0	0.0	0.0	0.0	1.0	3.0
Pale Grass Blue	<i>Pseudozizeeria maha serica</i>	-	10.0	0.0	0.0	0.0	17.0	9.5
Lesser Grass Blue	<i>Zizina otis</i>	-	0.0	0.0	0.0	0.0	V	0.0
Common Hedge Blue	<i>Acytolepis puspa</i>	-	0.0	0.0	0.0	0.0	0.0	1.0
Plains Cupid	<i>Chilades pandava</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Painted Jezebel	<i>Delias hyparete</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	-	12.0	0.0	0.0	0.0	10.0	1.5
Small Cabbage White	<i>Pieris rapae crucivora</i>	-	0.0	V	0.0	0.0	3.0	1.0
Three-spot Grass Yellow	<i>Eurema blanda hylama</i>	-	1.0	0.0	0.0	0.0	1.0	0.0
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	-	1.0	0.0	0.0	0.0	1.0	0.5
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	-	1.0	0.0	0.0	0.0	0.0	0.0
Common Mormon	<i>Papilio polytes polytes</i>	-	4.0	0.0	0.0	0.0	0.0	1.0
Common Awl	<i>Hasora badra badra</i>	LC	0.0	V	0.0	0.0	0.0	0.0
Paintbrush Swift	<i>Baoris farri</i>	-	0.0	0.0	0.0	0.0	0.0	0.5
Common Straight Swift	<i>Parnara guttata</i>	-	1.0	0.0	0.0	0.0	0.0	0.5
<b>No. of Species Recorded</b>			<b>14</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>12</b>

(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**

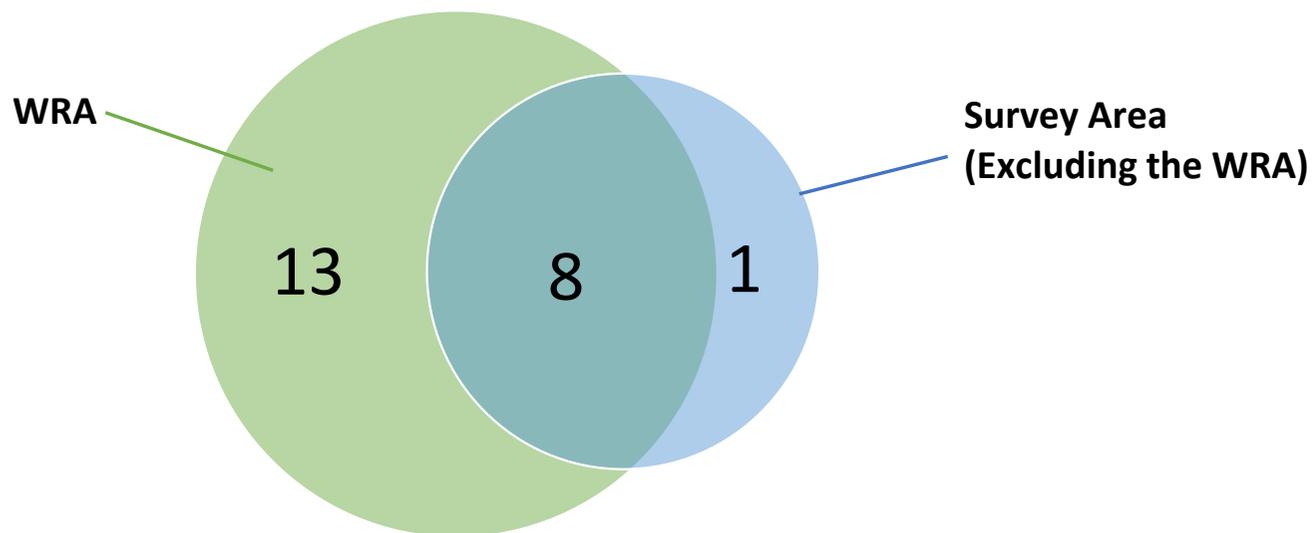


Species Only Found in the WRA	
Yellow Featherlegs	Red-faced Skimmer
Common Flangetail	Green Skimmer
Blue Dasher	Evening Skimmer
Crimson Darter	Saddlebag Glider
Pied Percher	
<b>9</b>	

Common Species Found in Both the WRA and Survey Area (Excluding the WRA)	
Wandering Midget	Russet Percher
Orange-tailed Sprite	Wandering Glider
Common Bluetail	Pied Skimmer
Asian Pintail	Variiegated Flutterer
Asian Amberwing	
<b>9</b>	

Species Only Found in the Survey Area (Excluding the WRA)
Coastal Glider
<b>1</b>

**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	
Blue-spotted Crow	Paintbrush Swift
Great Egg-fly	Common Straight Swift
Common Evening Brown	
Common Palmfly	
Lesser Grass Blue	
Plains Cupid	
Painted Jezebel	
Three-spot Grass Yellow	
Common Bluebottle	
Tailed Jay	
Common Awl	
<b>13</b>	

Common Species Found in Both the WRA and Survey Area (Excluding the WRA)
Common Sailor
Angled Castor
Dark Brand Bush Brown
Pale Grass Blue
Common Hedge Blue
Red-base Jezebel
Small Cabbage White
Common Mormon
<b>8</b>

Species Only Found in the Survey Area (Excluding the WRA)
Common Grass Yellow
<b>1</b>