

Paradise Bioblitz – Bug Hunt (9th August 2023)

1. Lepidoptera – Butterflies & Moths

1.1 Butterflies

Of the nine species found, eight are commonly found in Paradise. The ninth, *Lycaena phlaeas* (Small Copper) would appear to be the first record for this site.



Table 1. Butterfly species observed

<i>Celastrina argiolus</i>	Holly Blue
<i>Gonepteryx rhamni</i>	Brimstone
<i>Lycaena phlaeas</i>	Small Copper
<i>Pararge aegeria</i>	Speckled Wood
<i>Pieris brassicae</i>	Large White
<i>Pieris napi</i>	Green-veined White
<i>Pieris rapae</i>	Small White
<i>Polygonia c-album</i>	Comma
<i>Pyronia tithonus</i>	Gatekeeper

Lycaena phlaeas (Small Copper)

1.2 Moths

Four species were observed at rest, *Cabera exanthemata* (Common Wave), *Crambus perrella* (Satin Grass-veneer) *Timandra comae* (Blood-vein) and *Yponomeuta rorrella* (Willow Ermine)

Timandra comae (Blood-vein)

Yponomeuta rorrella (Willow Ermine)



2. Hymenoptera – Bees and Wasps

We only managed to identify two bees and three wasps, which was somewhat disappointing.

Bees - *Apis mellifera* (Honey Bee) and *Bombus pascuorum* (Common Carder Bee)

Social Wasps - *Vespula vulgaris* (Common Wasp) and *Vespa crabro* (European Hornet).

We also found a Crabronidae (Sand wasp) which was not possible to identify beyond the genus *Ectemnius*. It had captured a fly.



Ectemnius sp.

3. Coleoptera – Beetles

Nine species identified, the highlight being *Dorcus parallelipipedus* (Lesser Stag Beetle)

Table 2. Beetle species observed

<i>Dorcus parallelipipedus</i>	Lesser Stag Beetle
<i>Altica</i> sp.	A metallic blue flea beetle
<i>Apion frumentarium</i>	A small orange Weevil associated with Dock leaves
<i>Crepidodera aurata</i>	Willow Flea Beetle
<i>Lagria hirta</i>	Rough-Haired Lagria Beetle

<i>Coccinella septempunctata</i>	7-spot Ladybird
<i>Harmonia axyridis</i>	Harlequin Ladybird
<i>Halyzia sedecimguttata</i>	Orange Ladybird (larva)
<i>Propylea quattuordecimpunctata</i>	14-spot Ladybird



Dorcus parallelipipedus (Lesser Stag Beetle)

4. Odonata - Dragonflies and Damselflies

Five species of Dragonfly and three species Damselfly observed.



Table 3. Dragonfly and Damselfly species observed

Dragonflies	
<i>Aeshna grandis</i>	Brown Hawker
<i>Aeshna mixta</i>	Migrant Hawker
<i>Anax imperator</i>	Emperor
<i>Sympetrum sanguineum</i>	Ruddy Darter
<i>Sympetrum striolatum</i>	Common Darter
Damselflies	
<i>Calopteryx splendens</i>	Banded Demoiselle

<i>Chalcolestes viridis</i>	Willow Emerald
<i>Enallagma cyathigerum</i>	Common Blue

Chalcolestes viridis (Willow Emerald Damselfly)

5. Diptera - True Flies

Of the 13 species recorded, the highlight was the hoverfly *Xylota sylvarum* (Golden-tailed Leaf Licker). Rarely recorded in Cambs. and a first record for Paradise.



Table 4. True Fly species observed

Hoverflies	
<i>Episyrphus balteatus</i>	Marmalade Hoverfly
<i>Eristalis intricaria</i>	Furry Dronefly
<i>Eristalis tenax</i>	Common Dronefly
<i>Myathropa florea</i>	Batman Hoverfly
<i>Syritta pipiens</i>	Compost Hoverfly
<i>Volucella inanis</i>	Wasp Plumehorn
<i>Xylota sylvarum</i>	Golden-tailed Leaf Licker
<i>Sphaerophoria scripta</i>	Long Hoverfly
Other Flies	
<i>Ferdinandea cuprea</i>	Common Copperback
<i>Pollenia sp.</i>	Clusterfly
<i>Terellia tussilaginis</i>	Banded Burdock Fly
<i>Tetanocera ferruginea</i>	Common Buff Snailkiller
<i>Urophora cardui</i>	Thistle Gall Fly (galls)

Xylota sylvarum (Golden-tailed Leaf

Licker)

6. Hemiptera - True Bugs

Nine species recorded in total.

Table 5. True Bug species observed

<i>Coreus marginatus</i>	Dock Bug
<i>Eupteryx urticae</i>	A leaf hopper associated with nettles
<i>Eurydema oleracea</i>	Brassica Shieldbug
<i>Heterogaster urticae</i>	Nettle Groundbug
<i>Gerris lacustris</i>	Common Pond Skater
<i>Himacerus mirmicoides</i>	Ant Damsel Bug
<i>Liocoris tripustulatus</i>	Common Nettle Bug
<i>Palomena prasina</i>	Common Green Shieldbug
<i>Pentatoma rufipes</i>	Red-legged Shieldbug
<i>Philaenus spumarius</i>	Common Froghopper
<i>Tuberolachnus salignus</i>	Large Willow Bark Aphid

Himacerus mirmicoides (Ant Damselbug)

7. Other Insects

Panorpa sp. - Scorpion Fly.

Leptophyes punctatissima – Speckled Bush-cricket

Meconema meridionale - Southern Oak Bush-cricket

Pholidoptera griseoaptera - Dark Bush-cricket

8. Arachnids

Five common species of spider and two harvestmen recorded.



Table 6. Spiders and Harvestmen observed

Spiders	
<i>Araneus diadematus</i>	Garden Spider
<i>Clubiona</i> sp.	Sac Spider
<i>Enoplognatha ovata</i>	Common Candy-striped
<i>Tetragnatha</i> sp.	A Long-jawed Orbweaver
<i>Xysticus</i> sp.	A crab spider
Harvestmen	
<i>Mitopus morio</i>	
<i>Opilio canestrinii</i>	

Enoplognatha ovata (Common Candy-striped Spider)

9. Other Invertebrates

Porcellio scaber - Common Rough Woodlouse

Orchesella cincta - One of our largest and easily identified springtails



Orchesella cincta

10. Summary

Table 7. Summary of Invertebrate Species Recorded

Lepidoptera – Butterflies & Moths	13
Hymenoptera – Bees and Wasps	5
Coleoptera – Beetles	9
Odonata - Dragonflies and Damselflies	8
Diptera – True Flies	13
Hemiptera - True Bugs	11
Tettigoniidae – Bush Crickets	3
Mecoptera – Scorpion Flies	1

Araneae – Spiders	5
Opiliones – Harvestmen	2
Isopoda – Woodlice	1
Entomobryidae – Springtails	1
Total	72