

ARTHROPODA.

RHOPALOCERA (Butterflies)

PAPILIONIDAE:

Swallowtail *Papilio machaon britannicus* Seitz, 1907

A single female remained until 10/08/89 and was seen ovipositing on Angelica (*Angelica sylvestris*) where the larvae hatched. No further development noted, 1989.

SATYRIDAE:

Speckled Wood. *Pararge aegeria* (Linnaeus, 1758)

First observed 1990.

Wall. *Lasiommata megera* (Linnaeus, 1767)

Decreasing resident.

Grayling. *Hipparchia semele* (Linnaeus, 1758)

From a first sighting in 1989 a small colony established and remained until 2000.

Last record - Single female reported 25/08/2005 from Pill-box hill.

Meadow Brown. *Maniola jurtina* (Linnaeus, 1758)

Common resident.

Gatekeeper. *Pyronia tithonus* (Linnaeus, 1771)

05/08/99 Scaleless variety. Common resident.

Small Heath. *Coenonympha pamphilus* Linnaeus, 1758

Former resident. Not seen since 2002.

Ringlet. *Aphantopus hyperantus* Linnaeus, 1758

Common resident.

NYMPHALIDAE:

Silver-washed Fritillary. *Argynnis paphia* Linnaeus, 1758

Single, 27/06/11 - possible 2 the day before as they passed through adjoining garden.

Dark Green Fritillary. *Argynnis aglaja* (Linnaeus, 1758)

Vagrant from coastal colonies, 1975, 1992 (2) and 2013.

[Heath Fritillary] *Meliccia athalia* Rottemburg, 1775

A single report the day after the release of 15 bred specimens was the only sighting.

[Marsh Fritillary] *Eurodryas aurinia* Rottemburg, 1775

Release of 20 bred specimens. At least one was successfully bred and was seen '03.

A further 40 were released in central mire and 10 in back bog 05/06/03

None were reported during 2004. 26 were released in 2010 in back bog.

34 released in Pyramidal Area 11/05/2011. c. 1000 caterpillars were released 3/09/11

and at least 6 survived to become adults 27/05/12. Between 30/05 and 13/06 102 adults were released. At least 4 adults 2013.

White Admiral. *Limenitis camilla* (Linnaeus, 1764)

Single specimen seen 2006 - 2013 except for 2007 when none observed.

Red Admiral. *Vanessa atalanta* (Linnaeus, 1758)

Annual visitor in varying numbers.

Painted Lady. *Cynthia cardui* (Linnaeus, 1758)

Visitor not seen every year, however, in good years it can be very numerous as in 2009.

Small Tortoiseshell. *Aglais urticae* (Linnaeus, 1758)

Former common resident subject to annual population fluctuations but since 2005.

Comma. *Polygonia c-album* (Linnaeus, 1758)

Common resident subject to annual population fluctuations.

Peacock. *Inachis io* (Linnaeus, 1758)

Not as common a resident as formally. Subject to annual population fluctuations.

LYCAENIDAE:

Brown Argus. *Aricia agestis* (Denis and Schiffermüller, 1775)

Resident decreasing in numbers from high population in mid-1990s.

Common Blue. *Polyommatus icarus* Rottemburg, 1775

Resident with small but stable populations.

Holly Blue. *Celastrina argiolus* (Linnaeus, 1758)

Resident with small populations subject to fluctuations.

Small Copper. *Lycaena phlaeas* (Linnaeus, 1761)

07/08/94 Scaleless variety. Common resident - three broods have been observed.

Purple Hairstreak. *Quercusia quercus* Linnaeus, 1758

Resident since 1992.

Green Hairstreak. *Callophrys rubi* Linnaeus, 1758

1984 Larvae first noted. Late records: 17/08/86 and 09/89 (rare 2nd brood).

Resident decreasing in numbers from high population in mid-1990s.

White-letter Hairstreak. *Satyrium w-album* (Knoch, 1782)

Small colony using Japanese Elm hybrid since 2012.

PIERIDAE:

Large White. *Pieris brassicae* Linnaeus, 1758

Resident boosted by many annual immigrants.

Small White. *Pieris rapae* Linnaeus, 1758

Resident boosted by many annual immigrants.

Green-veined White. *Pieris napi* Linnaeus, 1758

Common resident.

Orange-tip. *Anthocharis cardamines* Linnaeus, 1758

Common resident.

Brimstone. *Gonepteryx rhamni* Linnaeus, 1758

Annual visitor in small numbers.

Clouded Yellow. *Colias crocerus* (Geoffroy, 1785)

1992 female. 1996 female var. *helice* 08/96. 2013. Rare visitor.

HESPERIIDAE:

Dingy Skipper. *Erynnis tages* Linnaeus, 1758

Formerly present to 1970's, singles 1992 and 1997.

Essex Skipper *Thymelicus lineola* (Ochsenheimer, 1808)

Resident in small colonies since 1997.

Small Skipper. *Thymelicus sylvestris* Poda, 1761

Resident in small stable colonies.

Large Skipper. *Ochlodes faunus* (Turati, 1905)

Resident small but stable population.