

# Provisional atlas of soldierflies and allies – DRAFT version

Version 0.1 at 11 February 2018, compiled by Martin C. Harvey for the [Soldierflies and Allies Recording Scheme](#)

A text summary and map is provided for each species, arranged alphabetically by family and then by species. The maps are based on data from the recording scheme database (including data from iRecord) up to 15 January 2018 (just over 100,000 records), plus data from numerous sources as displayed on the NBN Atlas at February 2018 (just over 50,000 records).

All the species maps are colour-coded for the same time-periods:

Recording scheme database

2000 onwards

1970 to 1999

before 1970

NBN Atlas

2000 onwards

1970 to 1999

before 1970

## Caveats:

- Verification has been carried out on most of the recording scheme data, but so far on only a small proportion of the data sourced via the NBN Atlas. The maps do contain errors; where these are believed to be significant a note on caveats has been added.
- There is still some recent data waiting to be incorporated into the recording scheme database.
- On the maps the recording scheme data is shown as the top layer, which means that in some cases there may be records on the NBN Atlas from a more recent time-period than shown by the recording scheme 10km squares.

## Acknowledgements:

Many thanks to c. 3,000 people who have sent in records for the last 200 or so years, and to my predecessors as recording scheme organisers who built the firm foundations on which this atlas is constructed: Tony Irwin, Martin Drake and Simon Hayhow. Thanks to Malcolm Smart for expert advice and assistance with checking the records of Asilidae (robberflies). Thanks also to Steph Rorke, Jim Bacon and colleagues at the Biological Records Centre within the NERC Centre for Ecology and Hydrology, for providing database and website support.

Flight period, distribution and habitat information largely based on Stubbs, A.E, and Drake, M. *British soldierflies and their allies* (BENHS 2014), with updates where distributions have changed.

GB threat and rarity statuses, and some additional habitat and distribution details, are taken from Drake, M. *A review of the status of larger Brachycera flies of Great Britain* (Natural England 2017).

## Technical details:

Maps were produced in [QGIS](#) using the biological recording plugin provided by the [Tomorrow's Biodiversity project](#) at the Field Studies Council.

## Citation:

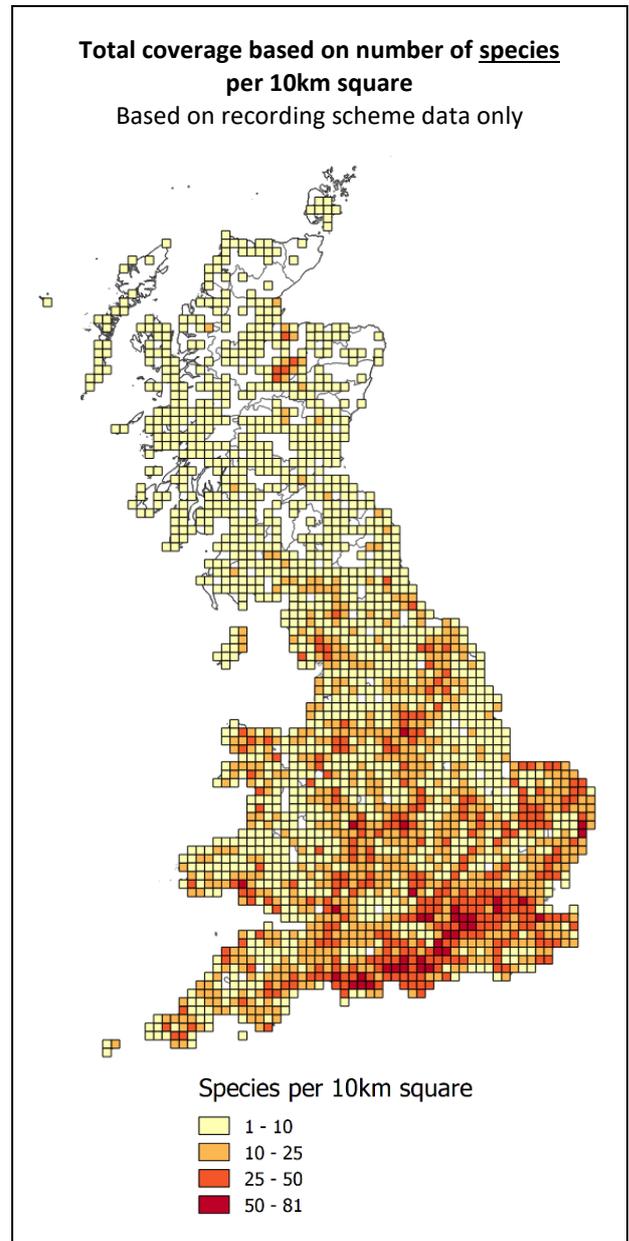
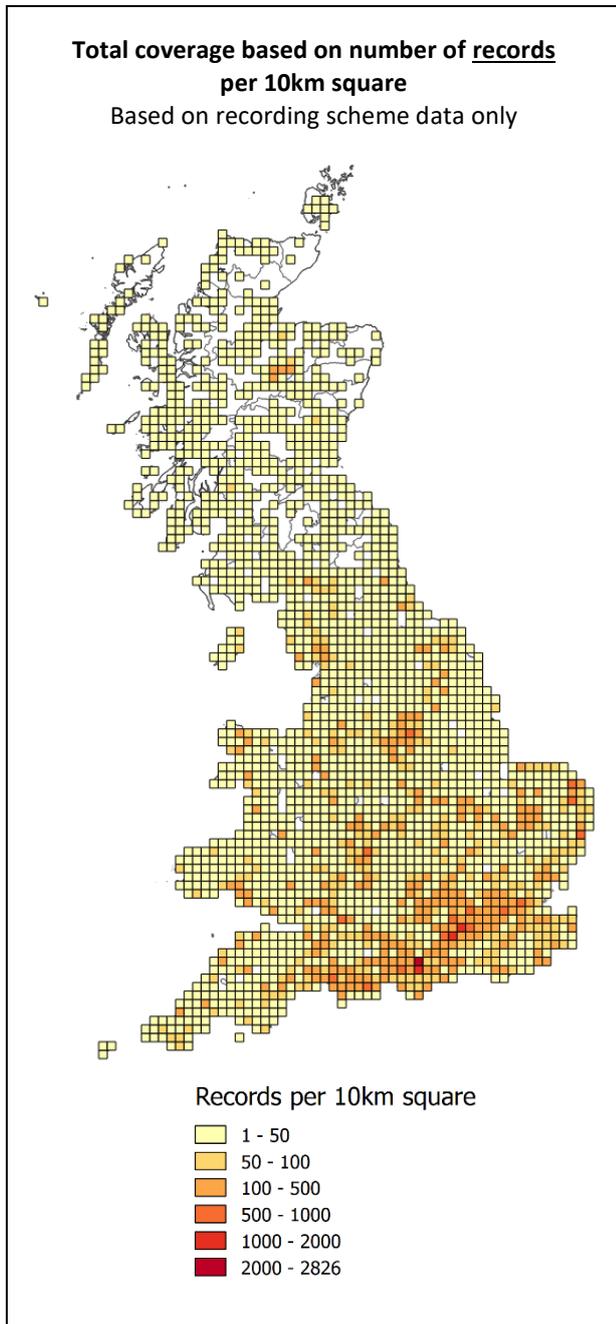
- Harvey, M.C. 2018. *Provisional atlas of soldierflies and allies*. Unpublished draft version.



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## Coverage maps



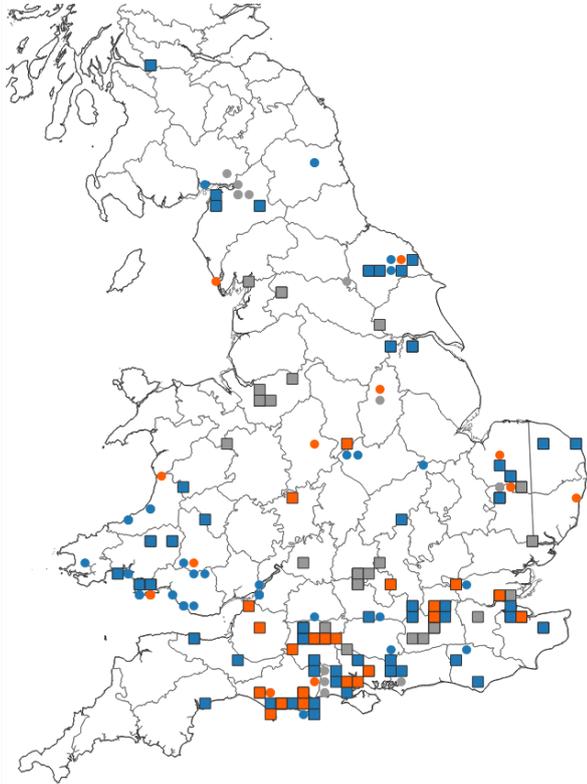
## Family Acroceridae (hunchback-flies)

Family: Acroceridae

### *Acrocera orbiculus* (Fabricius, 1787)

#### Top-horned Hunchback

- ID difficulty: 2
- Flight period: early May to early Sep, peak mid Jul to mid Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- mainly southern, some records from Wales and Scotland
- dry grassland, heathland, fens, bogs
- No. of records: 190 • % since 2000: 17%

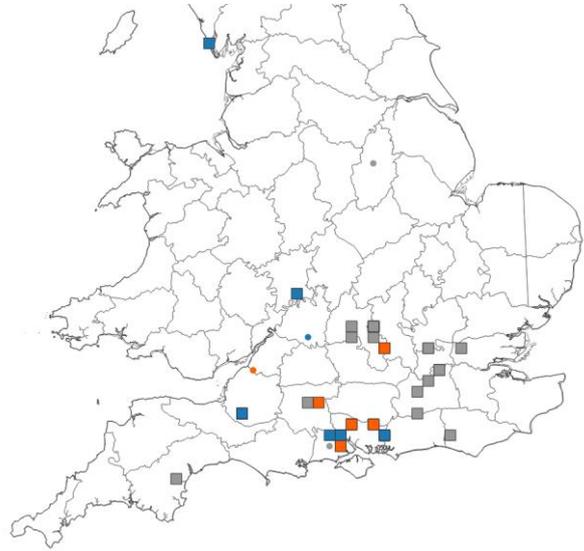


Family: Acroceridae

### *Ogcodes gibbosus* (Linnaeus, 1758)

#### Smart-banded Hunchback

- ID difficulty: 2
- Flight period: mid Jun to late Aug, peak early Jul
- GB threat: Near Threatened • GB rarity: Nationally Rare
- mostly southern England (plus single record in VC69)
- wet grassland, chalk grassland, bogs, isolated trees and scrub
- No. of records: 83 • % since 2000: 14%

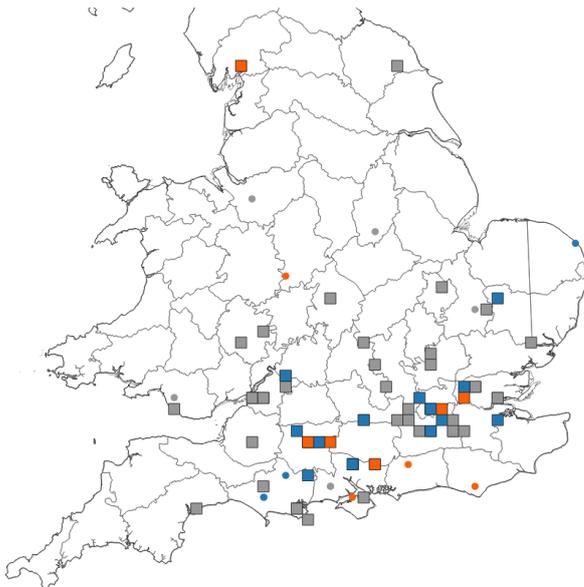


Family: Acroceridae

### *Ogcodes pallipes* Latreille in Olivier, 1812

#### Black-rimmed Hunchback

- ID difficulty: 2
- Flight period: late May to mid Aug, peak Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- southern England
- calcareous grassland with scrub
- No. of records: 85 • % since 2000: 9%



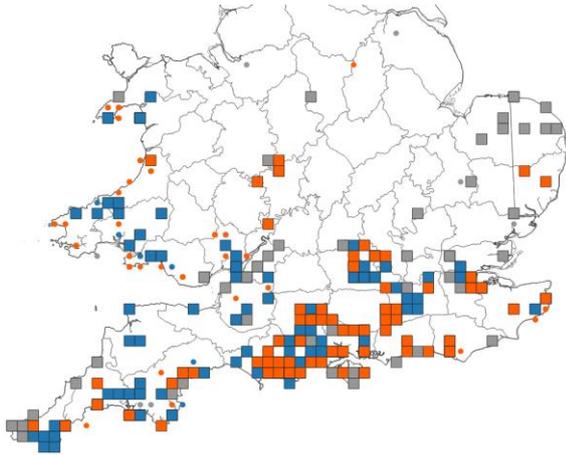
## Family Asiliidae (robberflies)

Family: Asilidae

### *Asilus crabroniformis* Linnaeus, 1758

#### Hornet Robberfly

- ID difficulty:
- Flight period: late Jul to early Oct, peak Aug to early Sep
- GB threat: Least Concern
- southern England and Wales
- heaths, calcareous grassland, neutral grassland
- No. of records: 1083 • % since 2000: 30%
- **Caveats:** some of the records on the northern range edge are unconfirmed

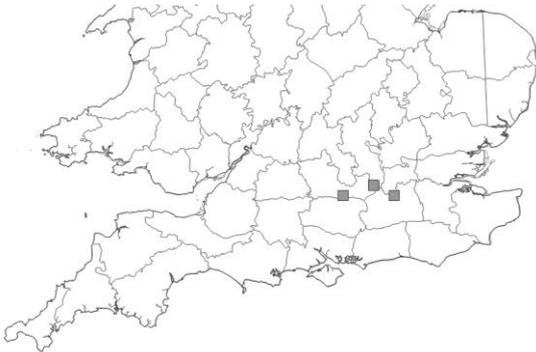


Family: Asilidae

### *Choerades gilvus* (Linnaeus, 1758)

#### Ginger Robberfly

- ID difficulty: 2
- Flight period: Jun to Jul
- GB threat: Endangered • GB rarity: Nationally Rare
- formerly in southern England, now extinct
- pine woodland
- No. of records: 5 • % since 2000: 0%

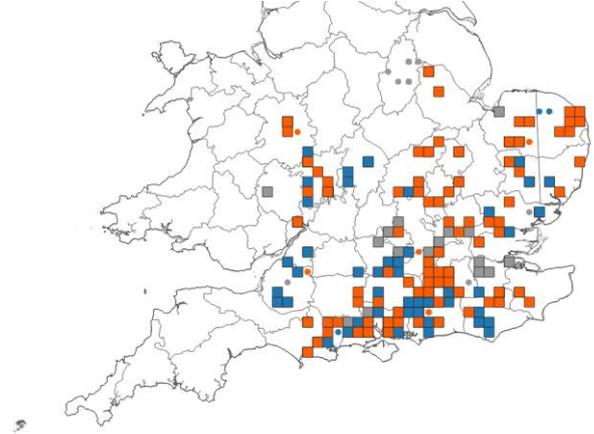


Family: Asilidae

### *Choerades marginatus* (Linnaeus, 1758)

#### Golden-haired Robberfly

- ID difficulty: 2
- Flight period: mid May to early Nov, peak late Jun to Aug
- GB threat: Least Concern
- southern England, midlands
- ancient oak woodland
- No. of records: 534 • % since 2000: 57%

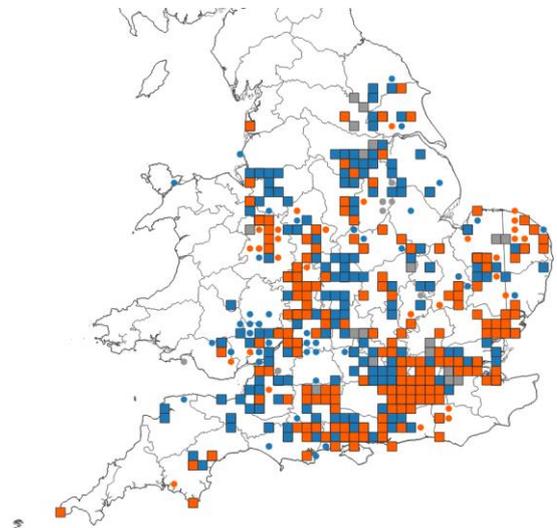


Family: Asilidae

### *Dioctria atricapilla* Meigen, 1804

#### Violet Black-legged Robberfly

- ID difficulty: 2
- Flight period: mid May to mid Sep, peak Jun to mid Jul
- GB threat: Least Concern
- mainly England
- open grassland, woodland rides
- No. of records: 1365 • % since 2000: 43%

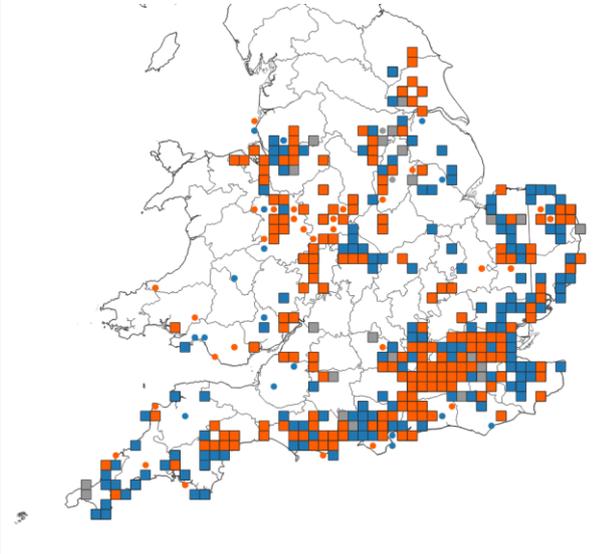


Family: Asilidae

***Dioctria baumhaueri* Meigen, 1820**

**Stripe-legged Robberfly**

- ID difficulty: 2
- Flight period: early May to Aug, peak late Jun to early Jul
- GB threat: Least Concern
- mainly England
- edges of woods and scrub
- No. of records: 1421 • % since 2000: 40%

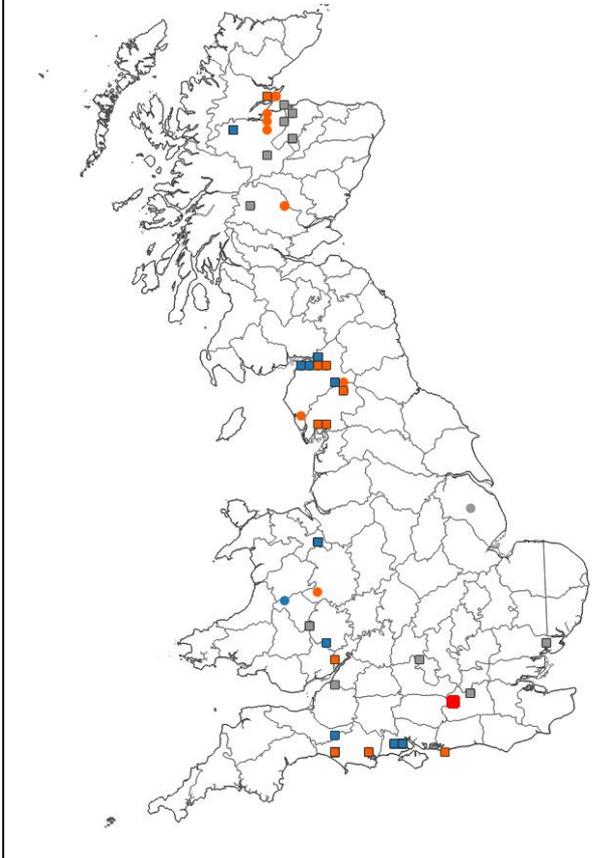


Family: Asilidae

***Dioctria cothurnata* Meigen, 1820**

**Scarce Red-legged Robberfly**

- ID difficulty: 3
- Flight period: May to Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- scattered
- wet woodland, river banks
- No. of records: 77 • % since 2000: 29%

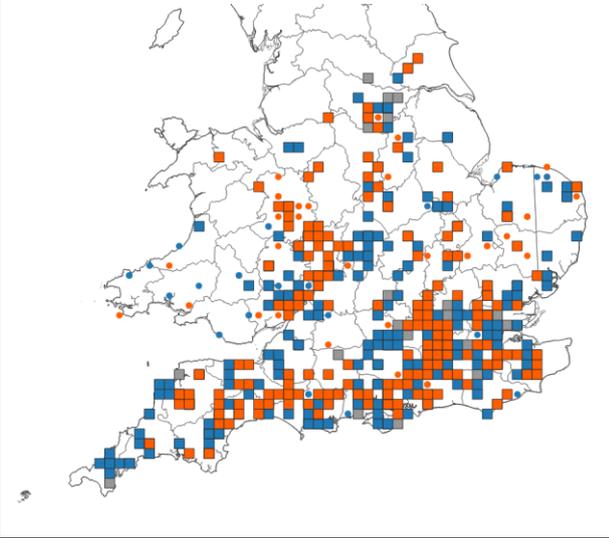


Family: Asilidae

***Dioctria linearis* (Fabricius, 1787)**

**Small Yellow-legged Robberfly**

- ID difficulty: 2
- Flight period: mid May to mid Aug, peak mid Jun to mid Jul
- GB threat: Least Concern
- mainly southern England and midlands
- dappled shade in woodland
- No. of records: 945 • % since 2000: 43%

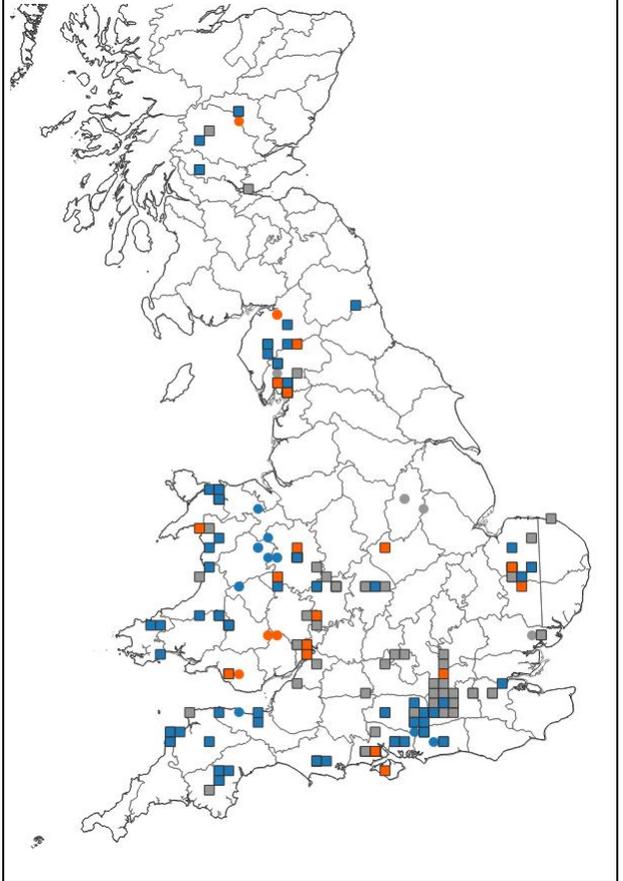


Family: Asilidae

***Dioctria oelandica* (Linnaeus, 1758)**

**Orange-legged Robberfly**

- ID difficulty: 2
- Flight period: early May to Aug, peak in Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- widespread, more frequent in west
- oak woodland
- No. of records: 244 • % since 2000: 12%

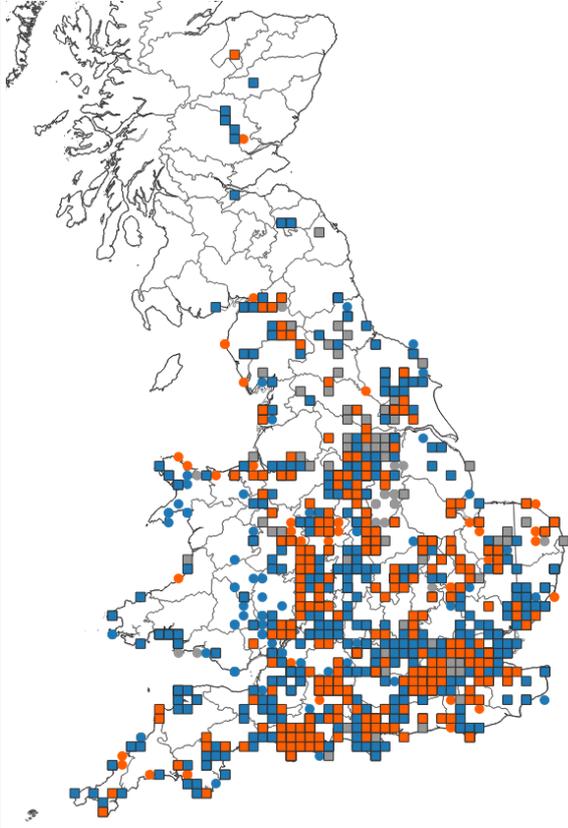


Family: Asilidae

***Dioctria rufipes* (De Geer, 1776)**

**Common Red-legged Robberfly**

- ID difficulty: 3
- Flight period: early May to early Aug, peak in late May and Jun
- GB threat: Least Concern
- widespread in England, local in Wales and Scotland
- grassland with scrub, woodland margins
- No. of records: 1897 • % since 2000: 35%

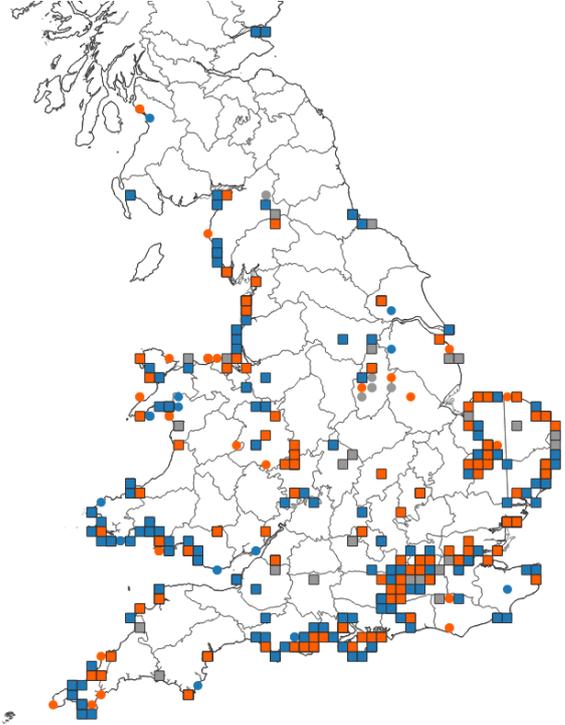


Family: Asilidae

***Dysmachus trigonus* (Meigen, 1804)**

**Fan-bristled Robberfly**

- ID difficulty: 2
- Flight period: May to mid Sep, peak in Jun and Jul
- GB threat: Least Concern
- very widespread, more frequent in south
- sandy soils: heaths and dunes, mainly coastal in north
- No. of records: 889 • % since 2000: 31%

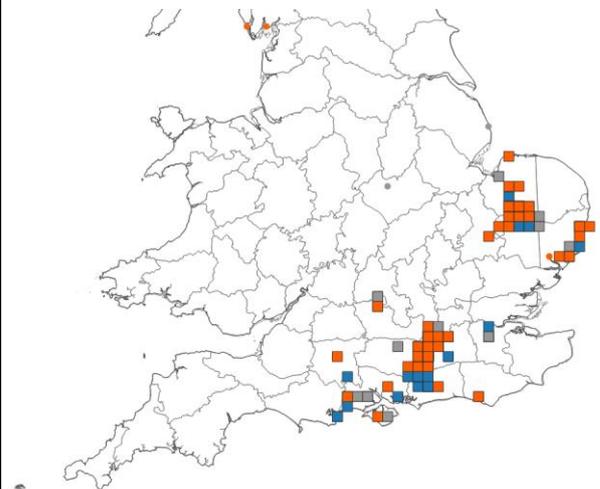


Family: Asilidae

***Eutolmus rufibarbis* (Meigen, 1820)**

**Golden-tabbed Robberfly**

- ID difficulty: 2
- Flight period: early Jun to late Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- south-eastern England
- heaths, with some grassy areas, edges of woodland on sandy soil
- No. of records: 345 • % since 2000: 44%
- **Caveats:** the southern Lake District records are unconfirmed, and the midlands ones are incorrect

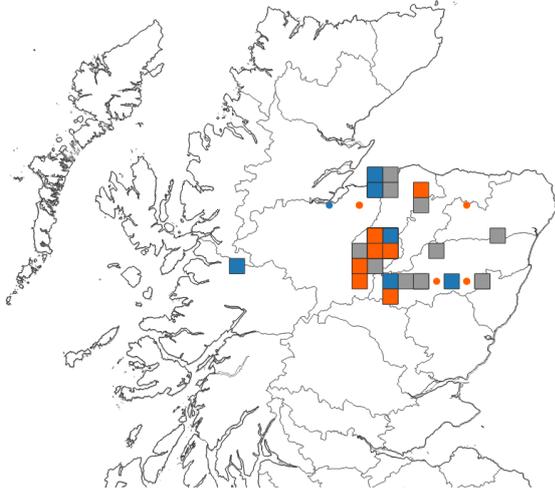


Family: Asilidae

***Laphria flava* (Linnaeus, 1761)**

**Bumblebee Robberfly**

- ID difficulty: 2
- Flight period: late May to Sep, peak in early Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- Scottish Highlands
- ancient pine woods
- No. of records: 96 • % since 2000: 25%

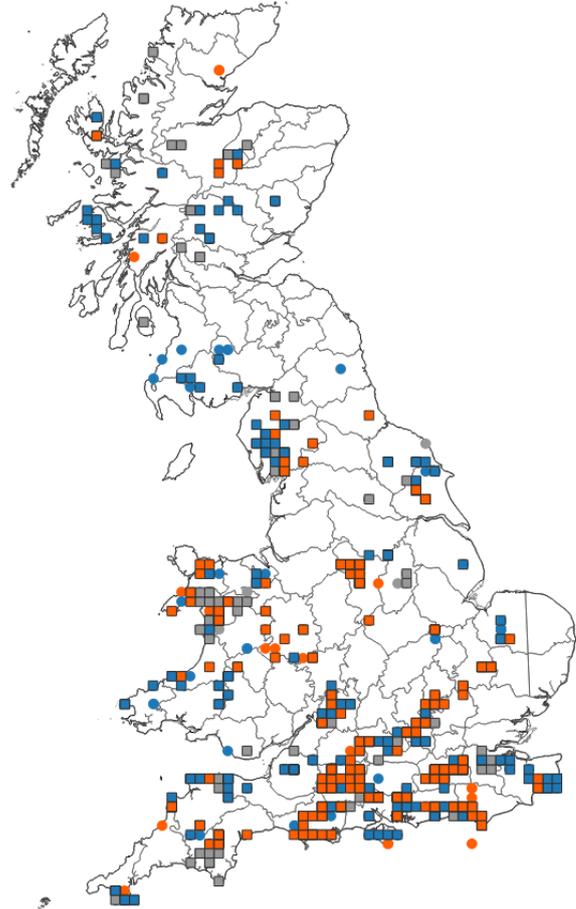


Family: Asilidae

***Leptarthrus brevisrostris* (Meigen, 1804)**

**Slender-footed Robberfly**

- ID difficulty: 2
- Flight period: May to early Sept, peak Jun and Jul
- GB threat: Least Concern
- widespread
- calcareous grassland in south, sometimes found by springs or pools, in more acidic and wooded conditions in west and north
- No. of records: 1110 • % since 2000: 39%

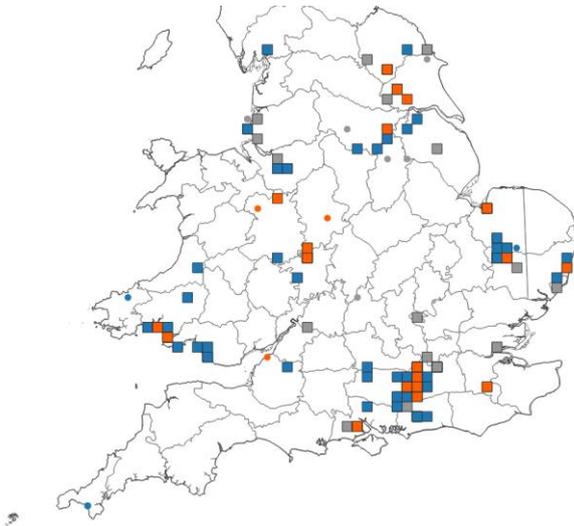


Family: Asilidae

***Lasiopogon cinctus* (Fabricius, 1781)**

**Spring Heath Robberfly**

- ID difficulty: 3
- Flight period: mid Apr to early Aug, peak mid May to early Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- mainly southern, north to Cumbria
- dry sandy soils, heaths and dunes
- No. of records: 294 • % since 2000: 23%

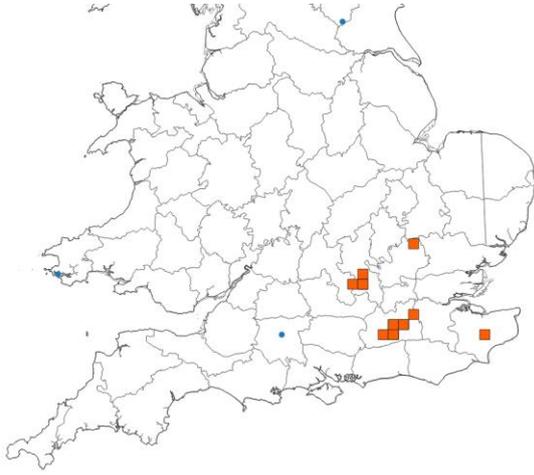


Family: Asilidae

***Leptarthrus vitripennis* (Meigen, 1820)**

**False Slender-footed Robberfly**

- ID difficulty: 2
- Flight period: Jun to Aug
- GB threat: Least Concern • GB rarity: Nationally Rare
- south-east England
- calcareous grassland, recently found in floodplain grasslands
- No. of records: 24 • % since 2000: 71%
- **Caveats:** the isolated records to the west and north are unconfirmed

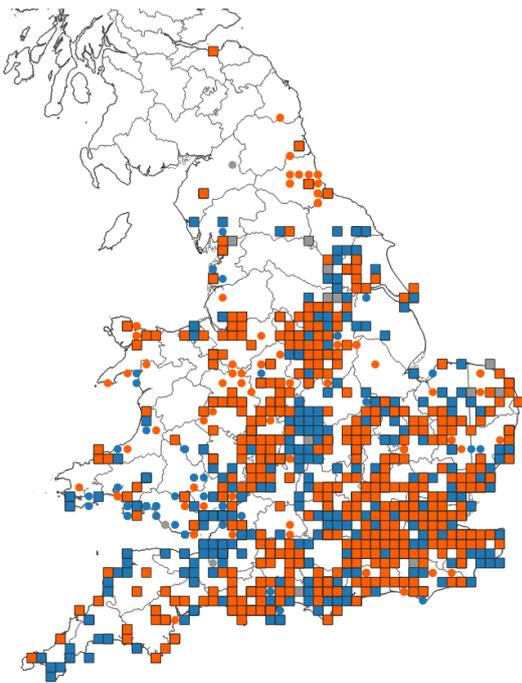


Family: Asilidae

***Leptogaster cylindrica* (De Geer, 1776)**

**Striped Slender Robberfly**

- ID difficulty: 2
- Flight period: mid May to Aug, peak in late Jun to mid Jul
- GB threat: Least Concern
- widespread in England, especially south, more local in Wales, rare in Scotland
- tall, open grassland on dry soils
- No. of records: 2618 • % since 2000: 52%

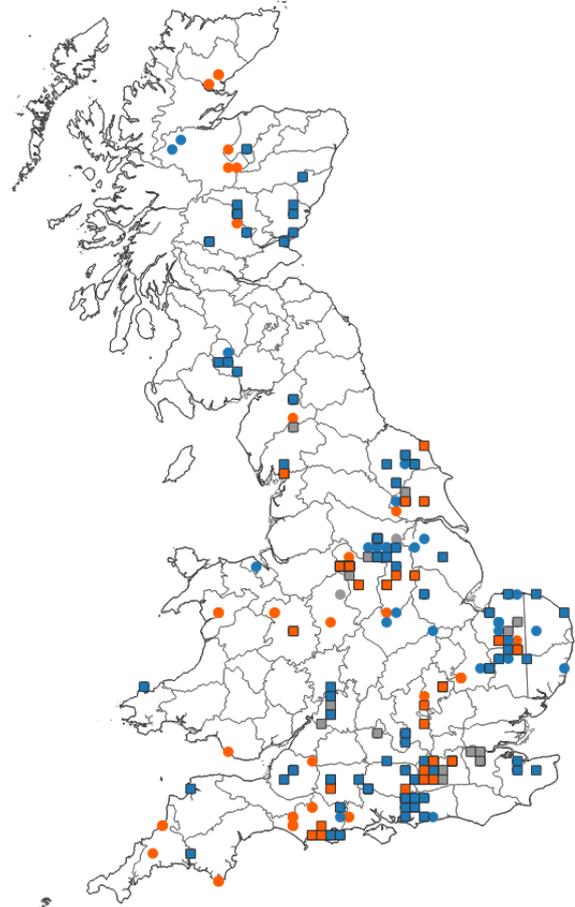


Family: Asilidae

***Leptogaster guttiventris* Zetterstedt, 1842**

**Dashed Slender Robberfly**

- ID difficulty: 3
- Flight period: Jun to mid Sep, peak in Jun and Jul
- GB threat: Least Concern
- widespread but local
- scrub and woodland edge
- No. of records: 241 • % since 2000: 30%



Family: Asilidae

***Machimus arthriticus* (Zeller, 1840)**

**Breck Robberfly**

- ID difficulty: 4
- Flight period: late Jun to early Aug
- GB threat: Endangered • GB rarity: Nationally Rare
- East Anglia
- Breckland, sandy soil
- No. of records: 14 • % since 2000: 64%
- **Caveats:** the Bedfordshire records are unconfirmed

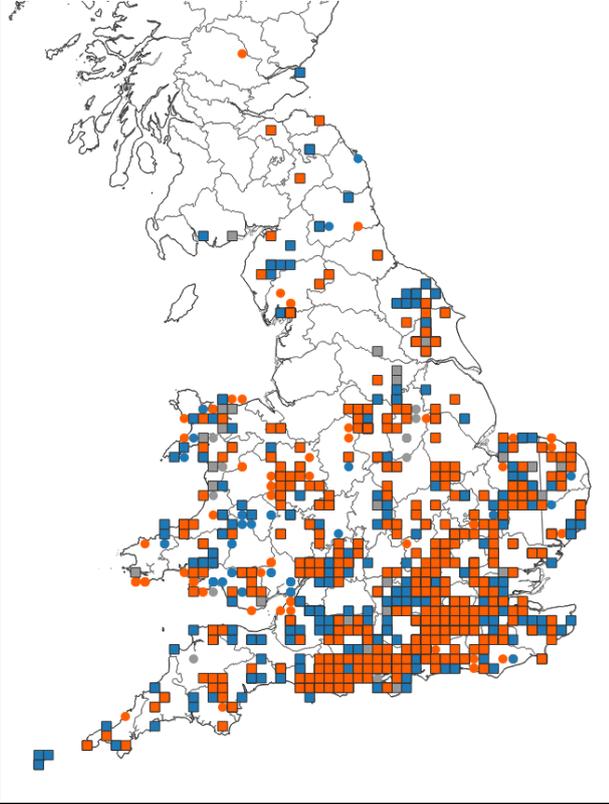


Family: Asilidae

***Machimus atricapillus* (Fallén, 1814)**

**Kite-tailed Robberfly**

- ID difficulty: 3
- Flight period: late May to late Oct, peak in late Jul and Aug
- GB threat: Least Concern
- widespread in south, becoming rare north to Scotland
- open habitats on dry soils, with some shelter
- No. of records: 2768 • % since 2000: 53%

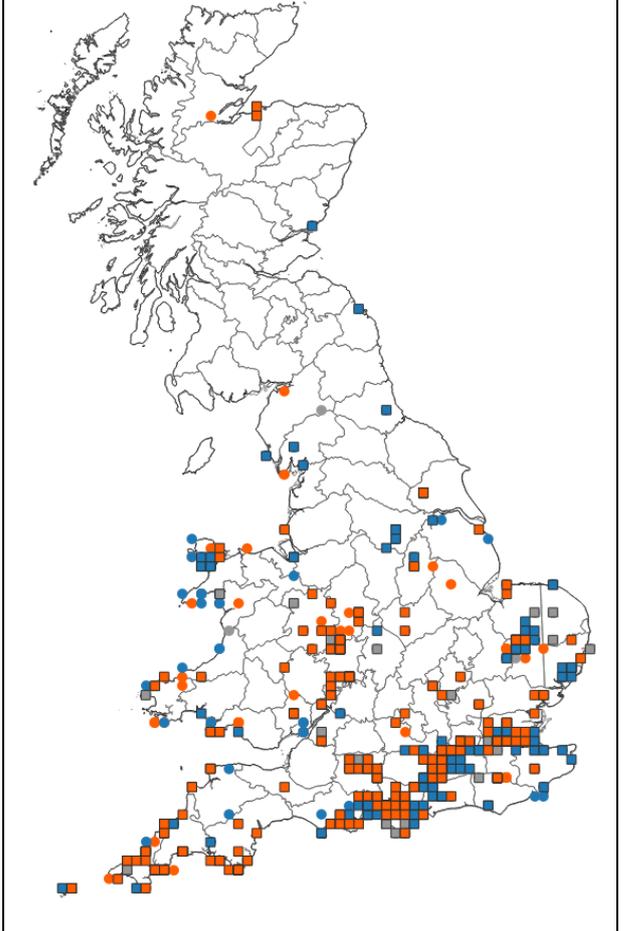


Family: Asilidae

***Machimus cingulatus* (Fabricius, 1781)**

**Brown Heath Robberfly**

- ID difficulty: 3
- Flight period: early Jun to mid Oct, peak in early Aug to early Sep
- GB threat: Least Concern
- widespread in south, becoming rare north to Scotland
- sandy heaths and dunes, coastal in north and west
- No. of records: 852 • % since 2000: 59%

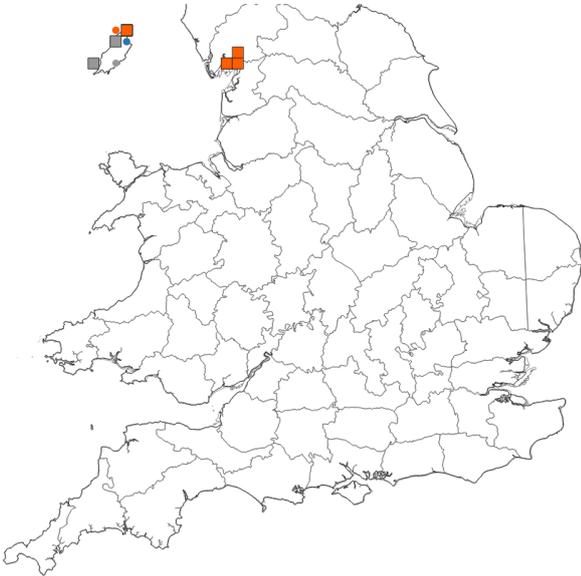


Family: Asilidae

***Machimus cowini* (Hobby, 1946)**

**Irish Robberfly**

- ID difficulty: 4
- Flight period: late Jun to late Aug
- GB threat: Endangered • GB rarity: Nationally Rare
- Ireland, Isle of Man, Cumbrian coast
- sandy soils with low scrubby vegetation
- No. of records: 24 • % since 2000: 42%

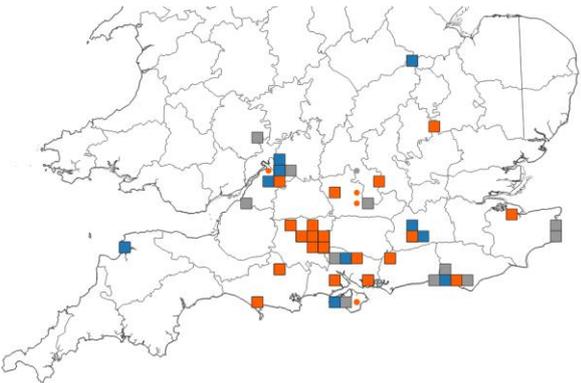


Family: Asilidae

***Machimus rusticus* (Meigen, 1820)**

**Downland Robberfly**

- ID difficulty: 3
- Flight period: early Jun to Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- south-east England
- calcareous grasslands
- No. of records: 136 • % since 2000: 54%
- **Caveats:** apparently known from Breckland in East Anglia (Stubbs and Drake 2014), but no record details are available

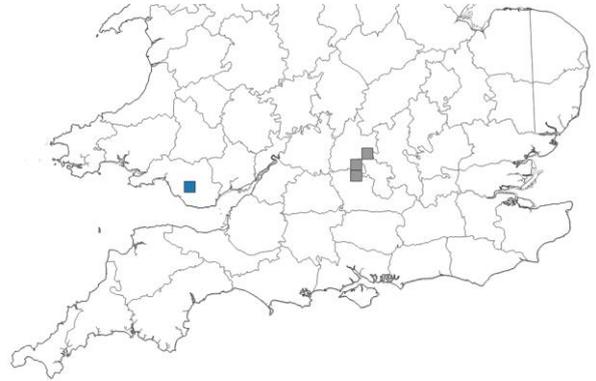


Family: Asilidae

***Neotamus cothurnatus* (Meigen, 1820)**

**Scarce Awl Robberfly**

- ID difficulty: 4
- Flight period: early Jun
- GB threat: Critically Endangered • GB rarity: Nationally Rare
- south Wales (formerly in woods near Oxford)
- open woodland, bracken slopes
- No. of records: 5 • % since 2000: 0%

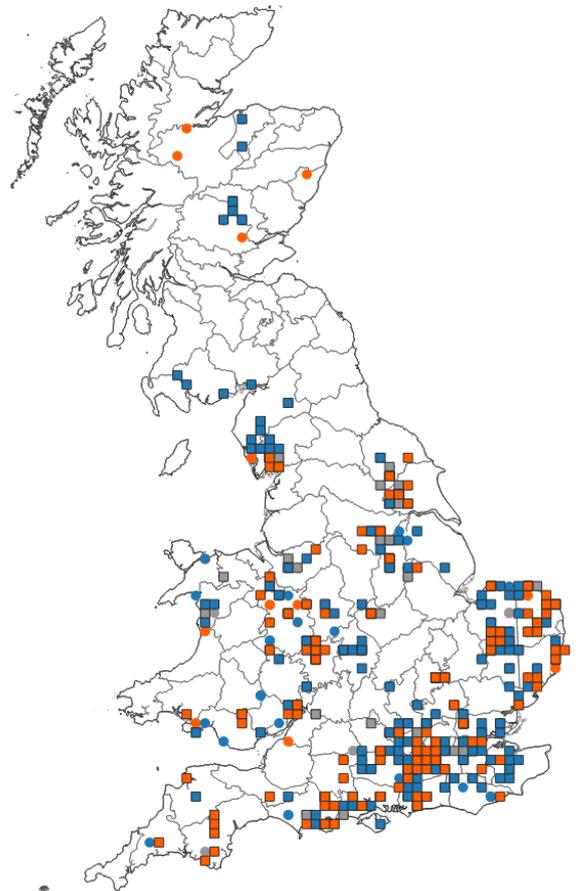


Family: Asilidae

***Neotamus cyanurus* (Loew, 1849)**

**Common Awl Robberfly**

- ID difficulty: 3
- Flight period: mid May to early Oct, peak in mid Jun to mid Jul
- GB threat: Least Concern
- widespread, rarer in north
- woodland, especially ancient, usually along rides
- No. of records: 752 • % since 2000: 35%

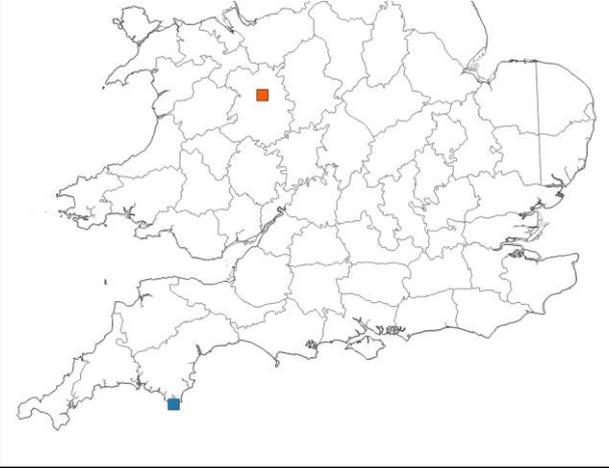


Family: Asilidae

***Neomochtherus pallipes* (Meigen, 1820)**

**Devon Red-legged Robberfly**

- ID difficulty: 4
- Flight period: Jul to Aug
- GB threat: Critically Endangered • GB rarity: Nationally Rare
- SHropshire, formerly on south coast of Devon
- grassland with exposed rock, on sandy soils
- No. of records: 7 • % since 2000: 86%

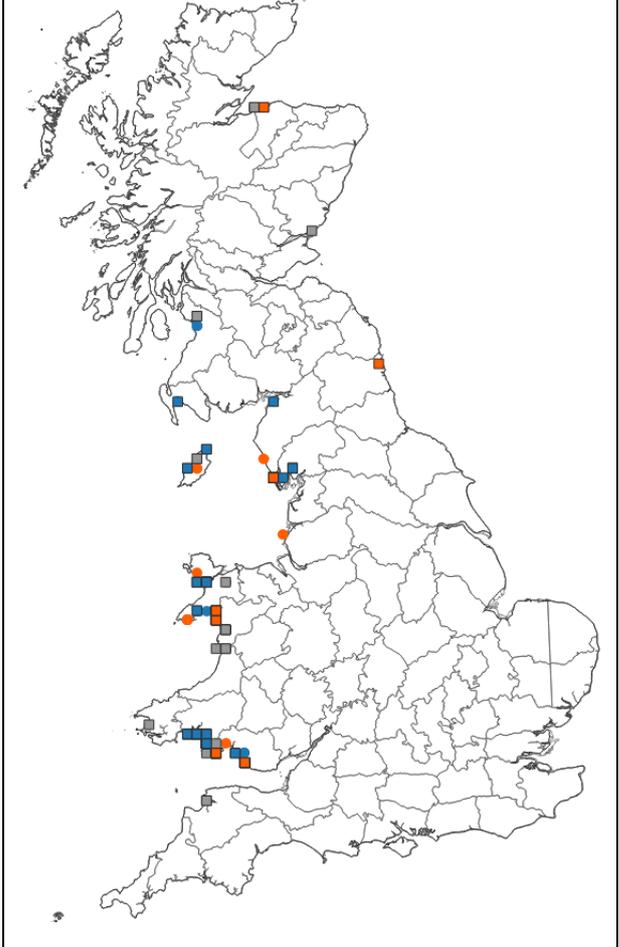


Family: Asilidae

***Pamponerus germanicus* (Linnaeus, 1758)**

**Pied-winged Robberfly**

- ID difficulty: 2
- Flight period: mid May to early Aug, peak in Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- mostly west coast of England and Wales, north to Scotland
- sand dunes
- No. of records: 168 • % since 2000: 8%
- **Caveats:** there are apparently some inland records (Taylor 1965 quoted in Stubbs and Drake 2014)

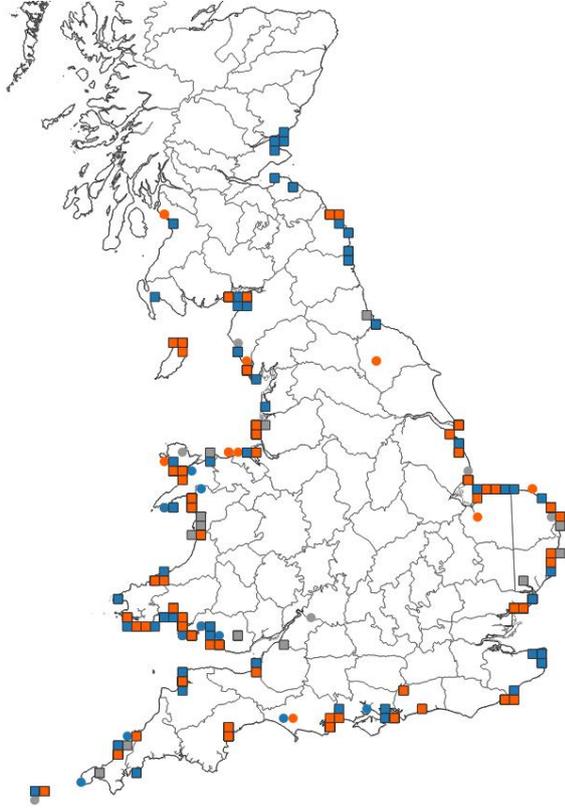


Family: Asilidae

***Philonicus albiceps* (Meigen, 1820)**

**Dune Robberfly**

- ID difficulty: 3
- Flight period: mid May to mid Oct, peak in mid Jun to mid Jul
- GB threat: Least Concern
- mostly coastal, rarer in Scotland
- sand dunes, occasional on heaths inland
- No. of records: 616 • % since 2000: 26%

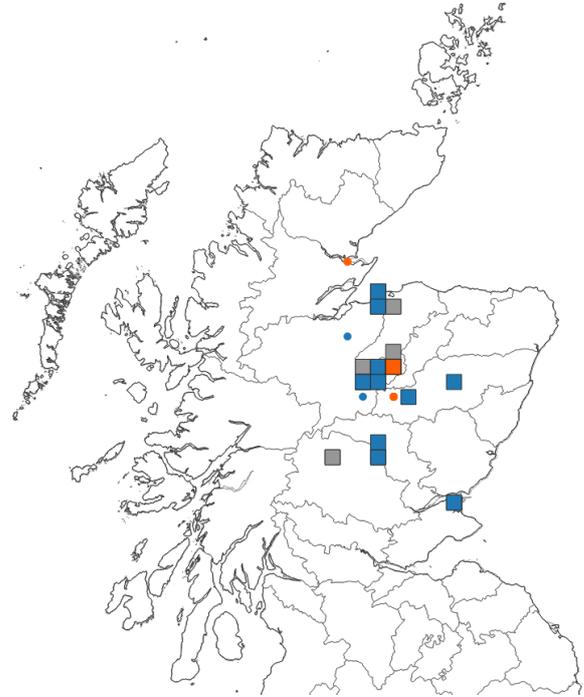


Family: Asilidae

***Rhadiurgus variabilis* (Zetterstedt, [1838])**

**Northern Robberfly**

- ID difficulty: 3
- Flight period: Jun to Aug, peak in mid Jun to mid Jul
- GB threat: Vulnerable • GB rarity: Nationally Rare
- Scottish Highlands (formerly more widespread in Scotland)
- forest glades and margins, and wooded river margins
- No. of records: 57 • % since 2000: 2%



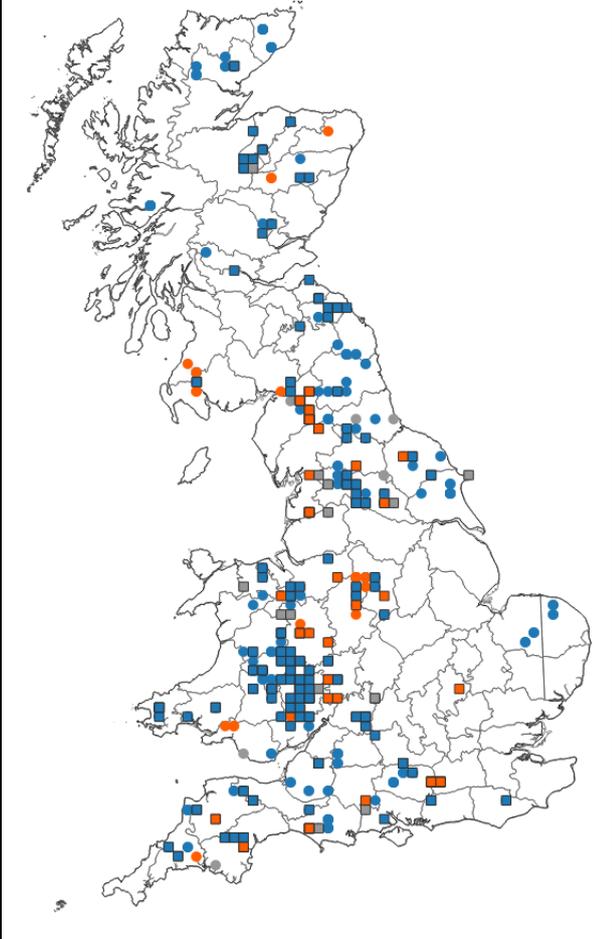
**Family: Athericidae (water-snipeflies)**

Family: Athericidae

***Atherix ibis* (Fabricius, 1798)**

**Yellow-legged Water-snipefly**

- ID difficulty: 2
- Flight period: May to early Aug, peak in Jun
- GB threat: Least Concern
- mainly western
- lowland, slow-flowing rivers
- No. of records: 300 • % since 2000: 17%
- **Caveats:** the eastern England records are unconfirmed

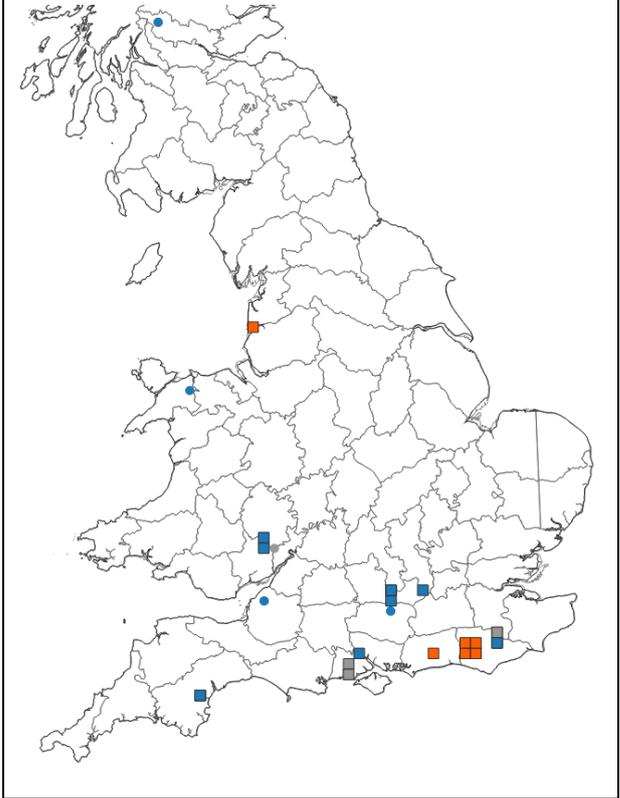


Family: Athericidae

***Atrichops crassipes* (Meigen, 1820)**

**Least Water-snipefly**

- ID difficulty: 3
- Flight period: late Jun to Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- southern England and Wales
- lowland, non-acidic rivers
- No. of records: 32 • % since 2000: 41%
- **Caveats:** the northernmost records are unconfirmed

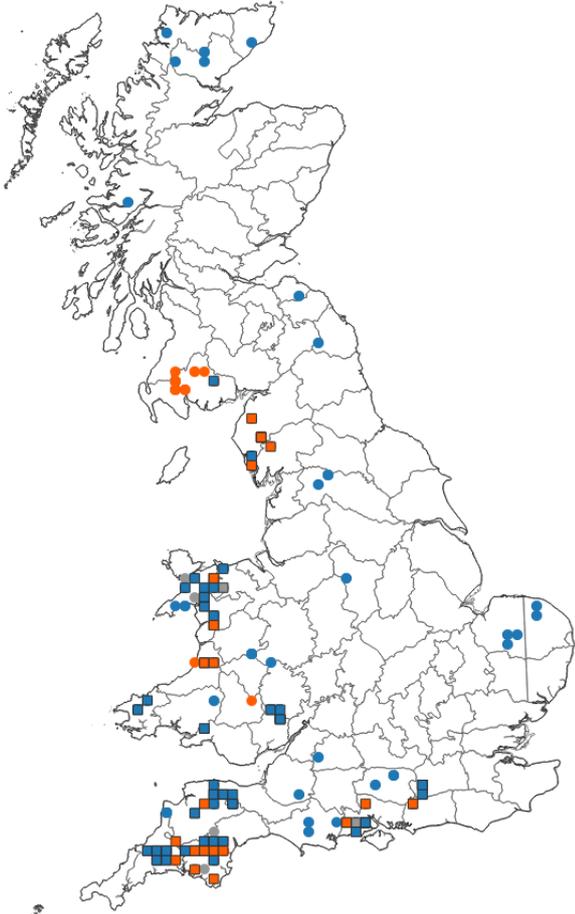


Family: Athericidae

***Ibisia marginata* (Fabricius, 1781)**

**Black-legged Water-snipefly**

- ID difficulty: 2
- Flight period: Jun to Aug, peak mid Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- mostly western
- small rivers with stony beds, mainly in the hills
- No. of records: 139 • % since 2000: 23%
- **Caveats:** Scottish and eastern England records are unconfirmed



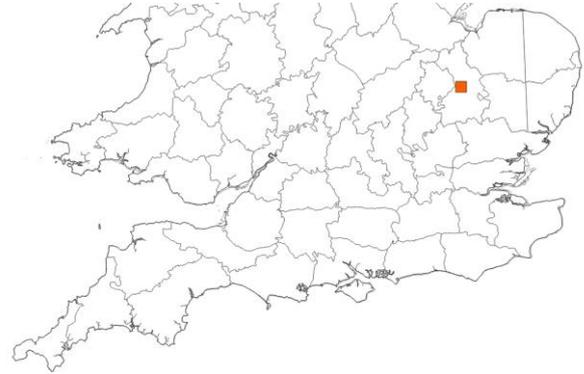
**Family: Bombyliidae (bee-flies)**

Family: Bombyliidae

***Anthrax anthrax* (Schrank, 1781)**

**Anthraxite Bee-fly**

- ID difficulty: 2
- Flight period: Jul to Sep
- GB threat: Not Evaluated
- One record in Cambridgeshire, 2016
- gardens and parks
- No. of records: 1 • % since 2000: 100%

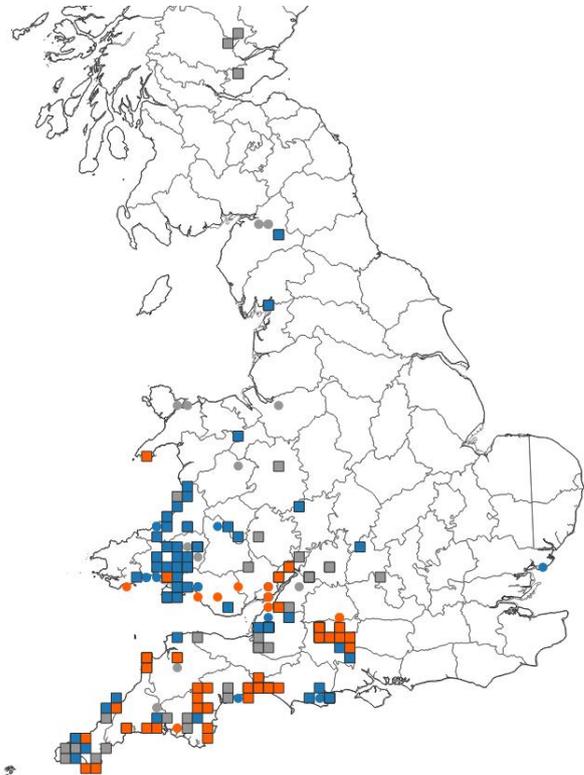


Family: Bombyliidae

***Bombylius canescens* Mikan, 1796**

**Western Bee-fly**

- ID difficulty: 2
- Flight period: early May to mid Aug, peak Jun to early Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- mostly western
- a variety of open habitats, including hillsides, gorges, landslips, open woodland, shingle grassland etc.
- No. of records: 292 • % since 2000: 34%
- **Caveats:** the east coast record is erroneous

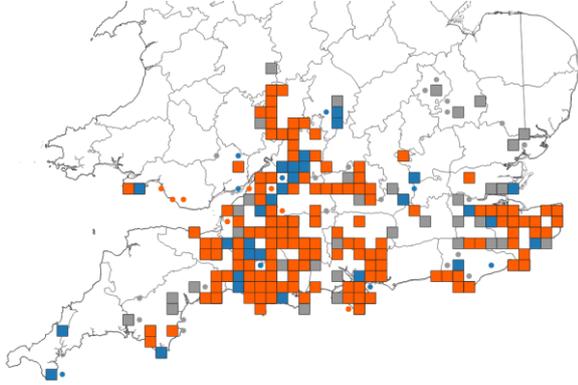


Family: Bombyliidae

***Bombylius discolor* Mikan, 1796**

**Dotted Bee-fly**

- ID difficulty: 2
- Flight period: late Mar to mid Jun, peak Apr
- GB threat: Least Concern
- southern England and Wales
- gardens, calcareous grassland, woodlands, landslipped cliffs
- No. of records: 697 • % since 2000: 68%

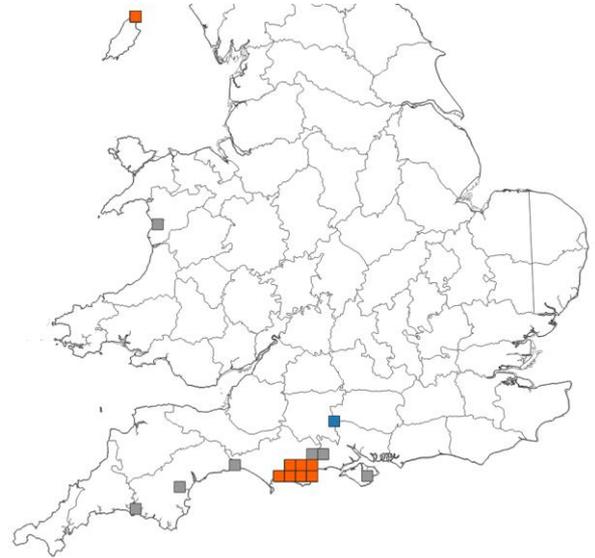


Family: Bombyliidae

***Bombylius minor* Linnaeus, 1758**

**Heath Bee-fly**

- ID difficulty: 2
- Flight period: early Jul to late Aug
- GB threat: Vulnerable • GB rarity: Nationally Rare
- South-east Dorset and the Isle of Man (older records more widespread in south-west England and Wales)
- heaths, sandy banks and pits
- No. of records: 205 • % since 2000: 40%

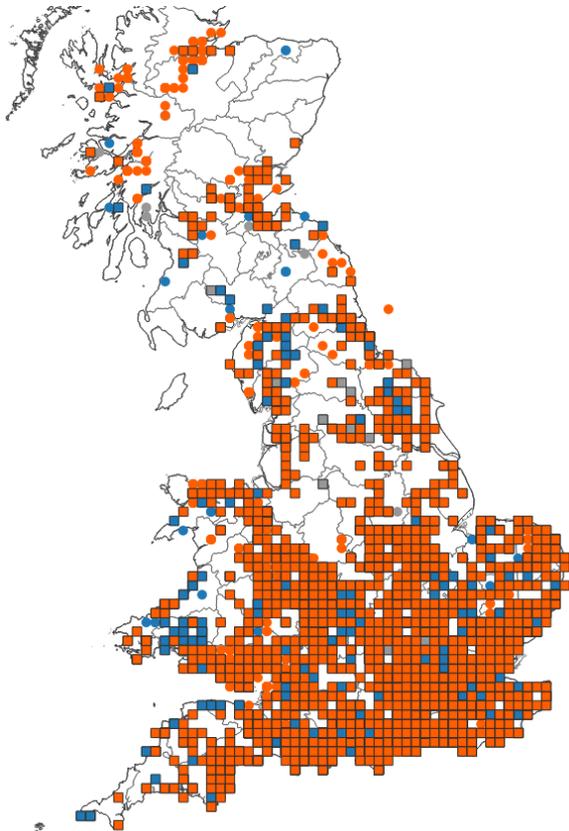


Family: Bombyliidae

***Bombylius major* Linnaeus, 1758**

**Dark-edged Bee-fly**

- ID difficulty: 1
- Flight period: mid Mar to late Jun, peak mid Apr to May
- GB threat: Least Concern
- widespread
- various, usually open and sunny with bee populations
- No. of records: 7234 • % since 2000: 74%

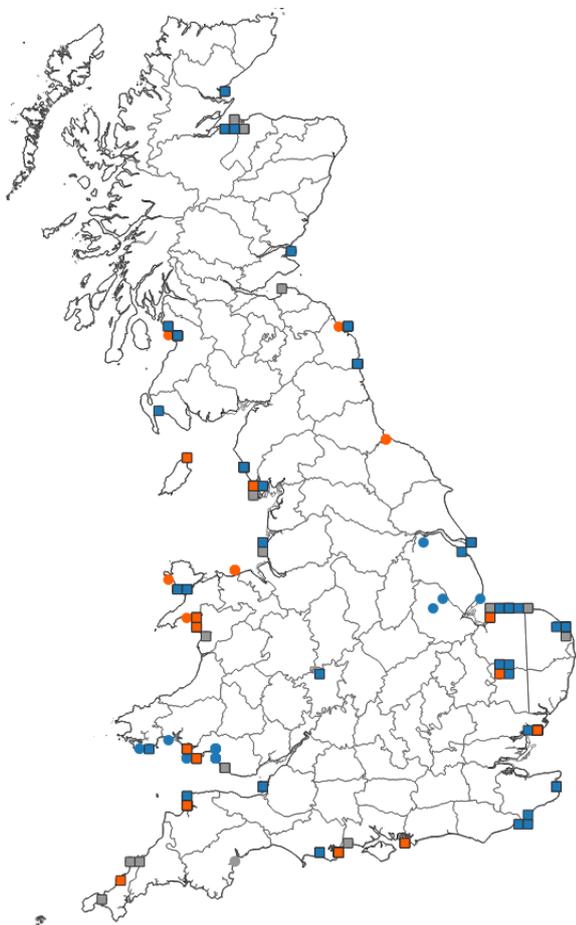


Family: Bombyliidae

***Phthiria pulicaria* (Mikan, 1796)**

**Flea Bee-fly**

- ID difficulty: 2
- Flight period: late May to mid Aug, peak in late Jun to early Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- mostly coastal
- sand dunes, sandy heaths
- No. of records: 210 • % since 2000: 19%

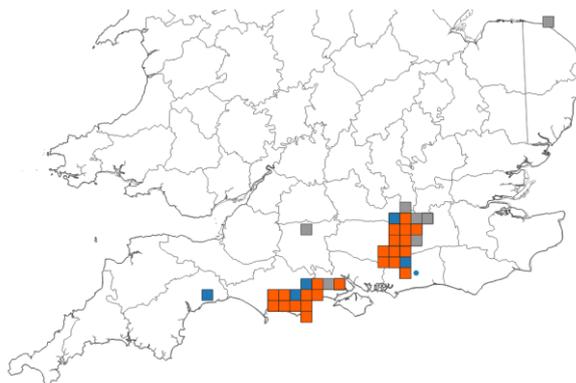


Family: Bombyliidae

***Thyridanthrax fenestratus* (Fallén, 1814)**

**Mottled Bee-fly**

- ID difficulty: 1
- Flight period: late May to early Sep, peak in Jul and early Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- southern England
- sandy heaths
- No. of records: 537 • % since 2000: 37%

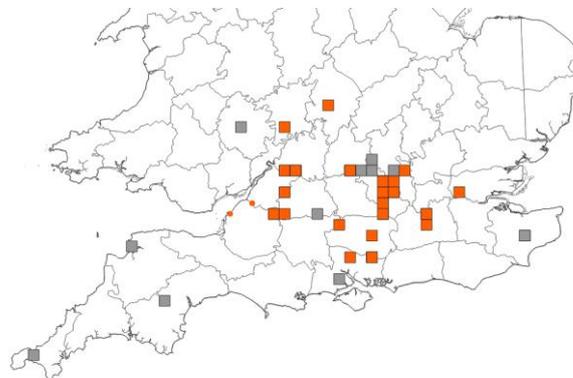


Family: Bombyliidae

***Villa cingulata* (Meigen, 1804)**

**Downland Villa**

- ID difficulty: 3
- Flight period: Jun to Aug, peak mid Jul to mid Aug
- GB threat: Least Concern • GB rarity: Nationally Rare
- southern England
- grassland, usually calcareous
- No. of records: 93 • % since 2000: 83%

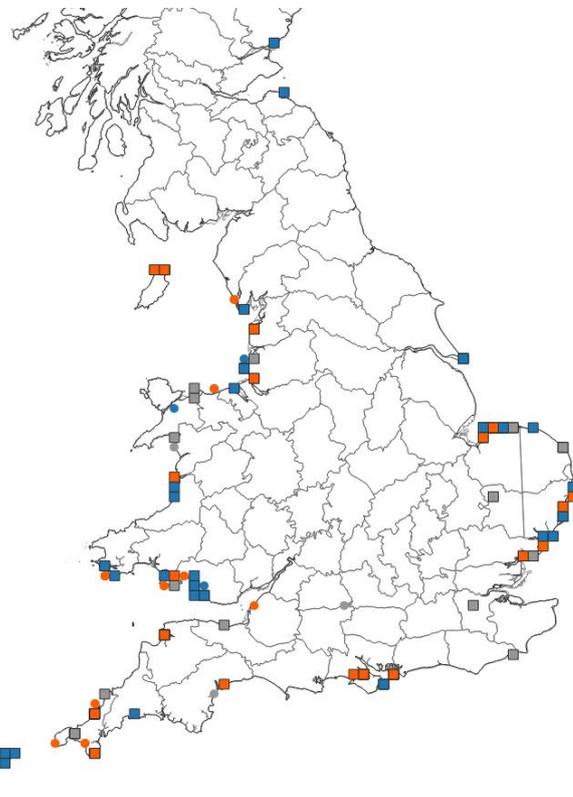


Family: Bombyliidae

***Villa modesta* (Meigen, 1820)**

**Dune Villa**

- ID difficulty: 3
- Flight period: Jun to early Sep
- GB threat: Least Concern • GB rarity: Nationally Scarce
- mostly coastal
- sand dunes (partly fixed), old records for Breckland
- No. of records: 198 • % since 2000: 37%
- **Caveats:** inland records (other than the Brecks) are probably erroneous

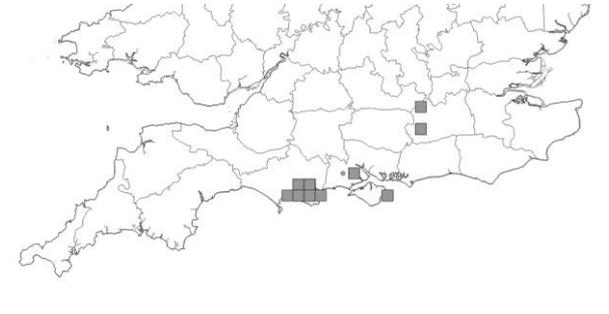


Family: Bombyliidae

***Villa venusta* (Meigen, 1820)**

**Heath Villa**

- ID difficulty: 4
- Flight period: mid Jul to late Aug
- GB threat: Critically Endangered • GB rarity: Nationally Rare
- southern England
- dry heathland
- No. of records: 30 • % since 2000: 0%

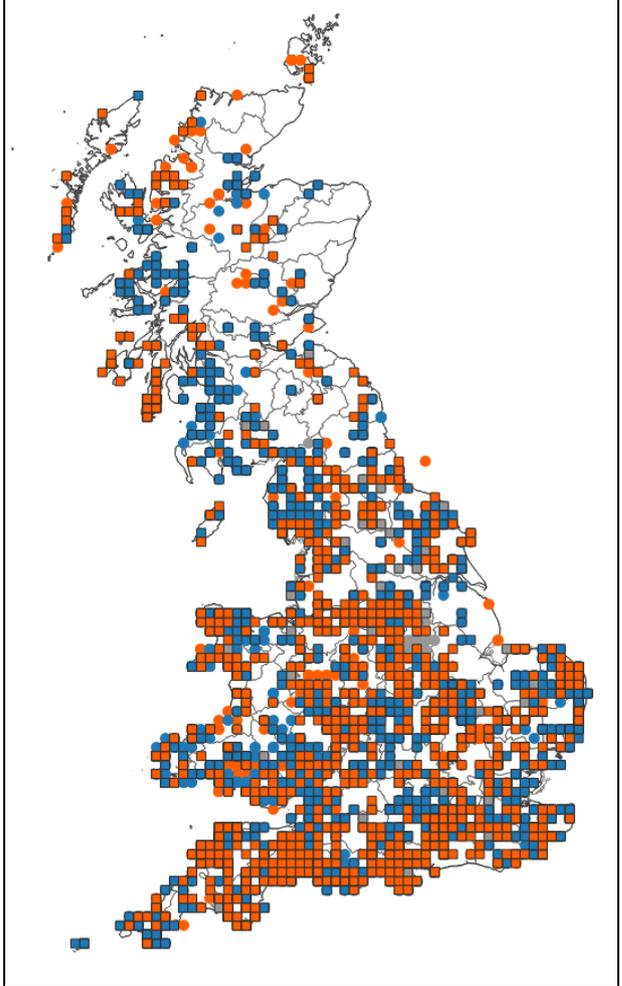


Family: Rhagionidae

***Chrysopilus cristatus* (Fabricius, 1775)**

**Black Snipefly**

- ID difficulty: 2
- Flight period: mid May to Aug
- GB threat: Least Concern
- widespread
- damp soils in meadows, marshes, fens, ditches
- No. of records: 5256 • % since 2000: 53%



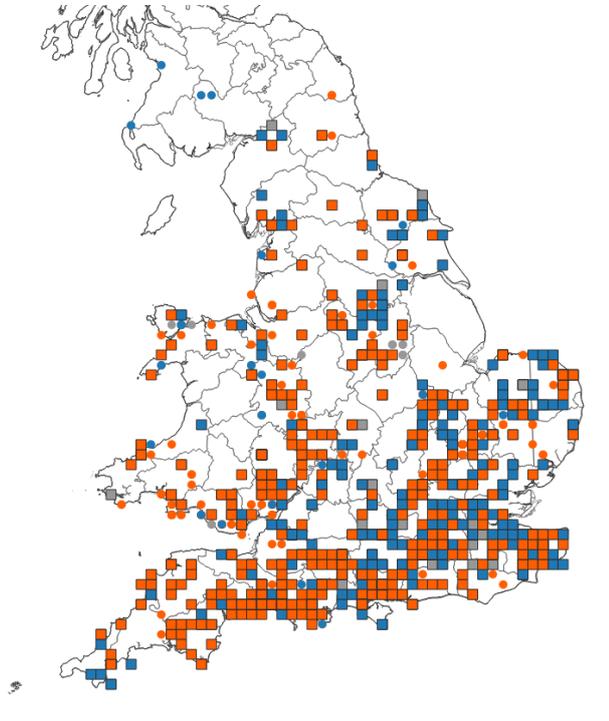
**Family: Rhagionidae (snipeflies)**

Family: Rhagionidae

***Chrysopilus asiliformis* (Preysler, 1791)**

**Little Snipefly**

- ID difficulty: 2
- Flight period: late May to late Aug, peak mid Jun to mid Jul
- GB threat: Least Concern
- widespread, local in north
- various: gardens, hedgerows, woodland margins, marshes and fens
- No. of records: 1653 • % since 2000: 63%

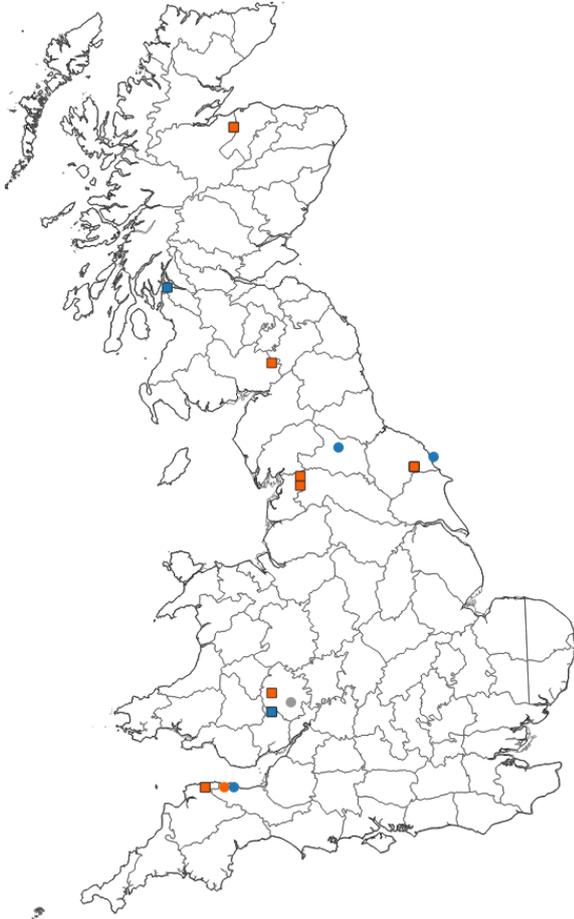


Family: Rhagionidae

***Chrysopilus erythrophthalmus* Loew, 1840**

**Silver-banded Snipefly**

- ID difficulty: 3
- Flight period: mid Jun to early Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- northern and western uplands
- stony streams in upland areas, perhaps needing calcareous conditions
- No. of records: 15 • % since 2000: 73%



Family: Rhagionidae

***Chrysopilus laetus* Zetterstedt, 1842**

**Tree Snipefly**

- ID difficulty: 4
- Flight period: Jun? to Jul
- GB threat: Near Threatened • GB rarity: Nationally Scarce
- southern England
- wood mould in old trees, often but not always in ancient woodland
- No. of records: 27 • % since 2000: 81%
- **Caveats:** a 2009 record for Gloucestershire is not yet mapped

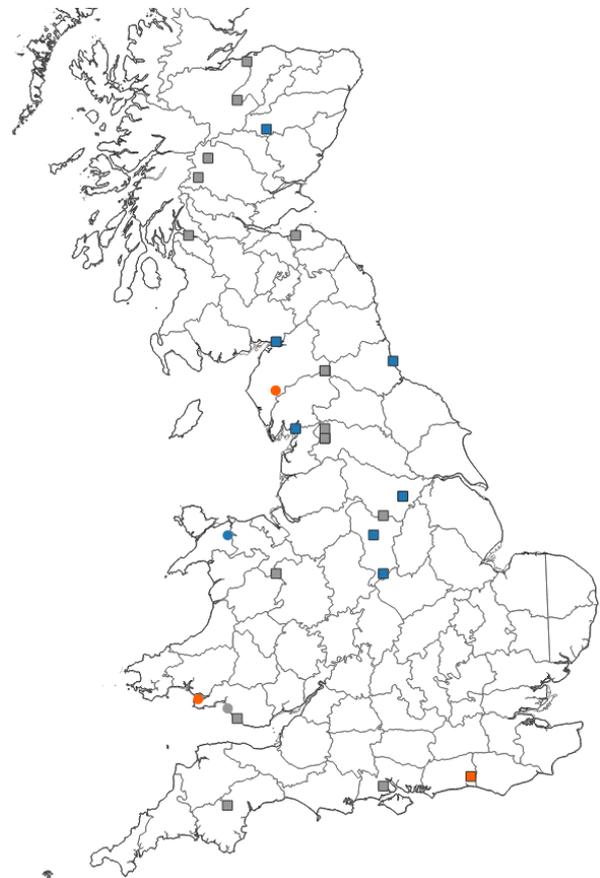


Family: Rhagionidae

***Ptiolina nigra* Staeger in Zetterstedt, 1842**

**Pale-fringed Moss-snipefly**

- ID difficulty: 5
- Flight period: May to Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- widespread but very local
- dunes, moorland, woodland
- No. of records: 29 • % since 2000: 3%

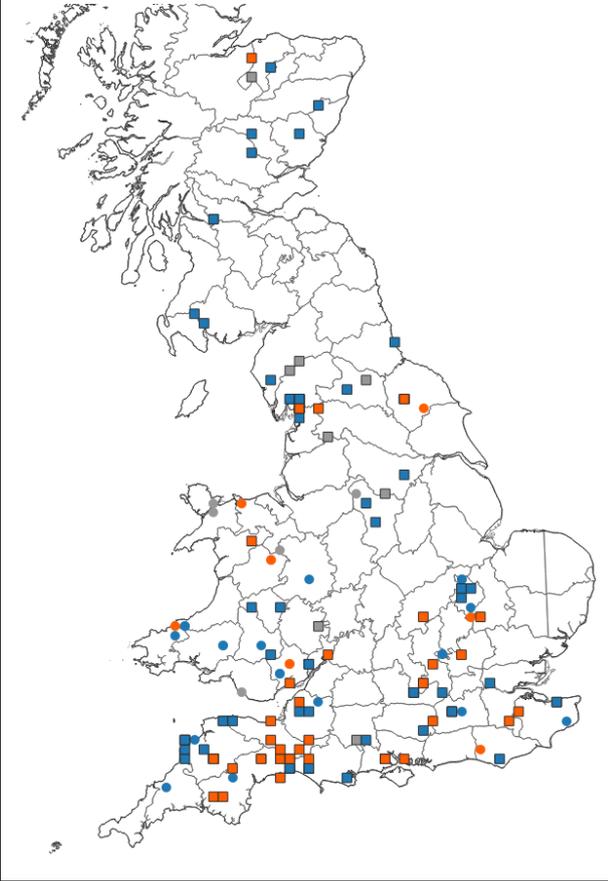


Family: Rhagionidae

***Ptiolina obscura* (Fallén, 1814)**

**Black-fringe Moss-snipefly**

- ID difficulty: 5
- Flight period: May to Jul
- GB threat: Least Concern
- widely scattered
- usually woodland, also marsh and wet acid grassland
- No. of records: 137 • % since 2000: 39%

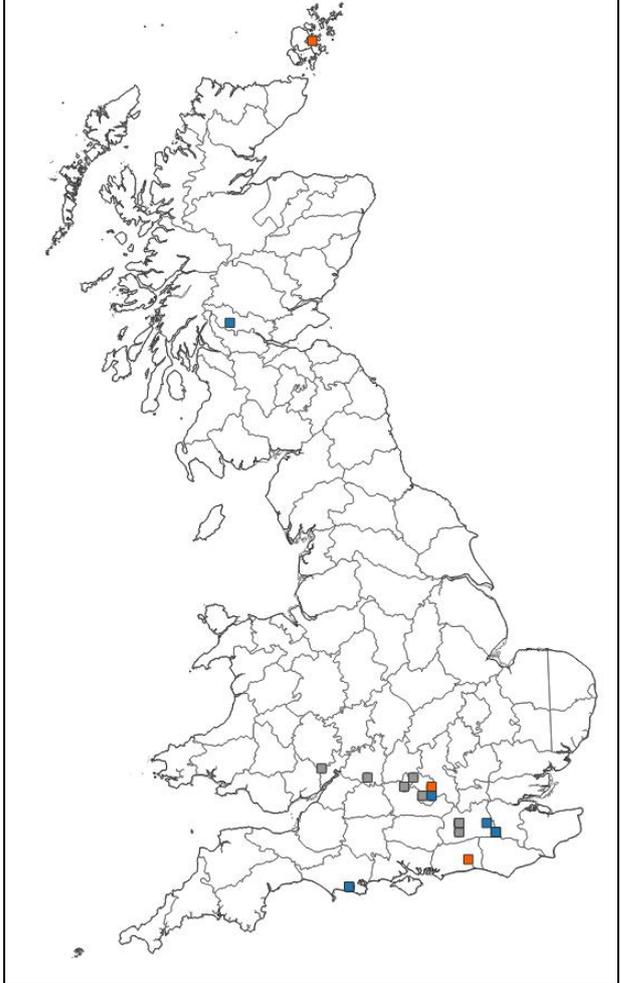


Family: Rhagionidae

***Rhagio annulatus* (De Geer, 1776)**

**Wood Snipefly**

- ID difficulty: 4
- Flight period: May to mid Jun
- GB threat: Near Threatened • GB rarity: Nationally Rare
- southern England, Scotland (including Orkney)
- woodland edge but on a variety of soils (and in open habitat on Orkney)
- No. of records: 20 • % since 2000: 15%

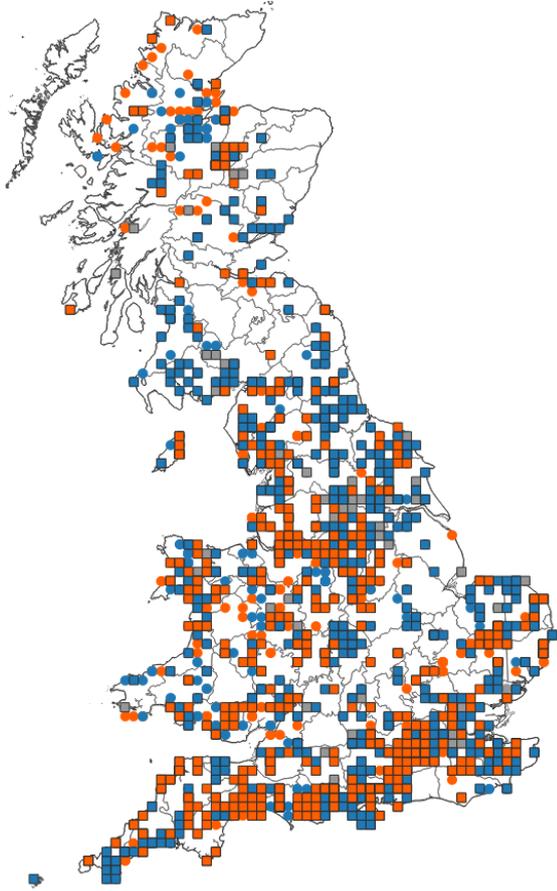


Family: Rhagionidae

***Rhagio lineola* Fabricius, 1794**

**Small Fleck-winged Snipefly**

- ID difficulty: 2
- Flight period: late May to Sep, peak mid Jun to mid Jul
- GB threat: Least Concern
- widespread
- woodland edge, scrub, hedgerows with trees
- No. of records: 2633 • % since 2000: 43%

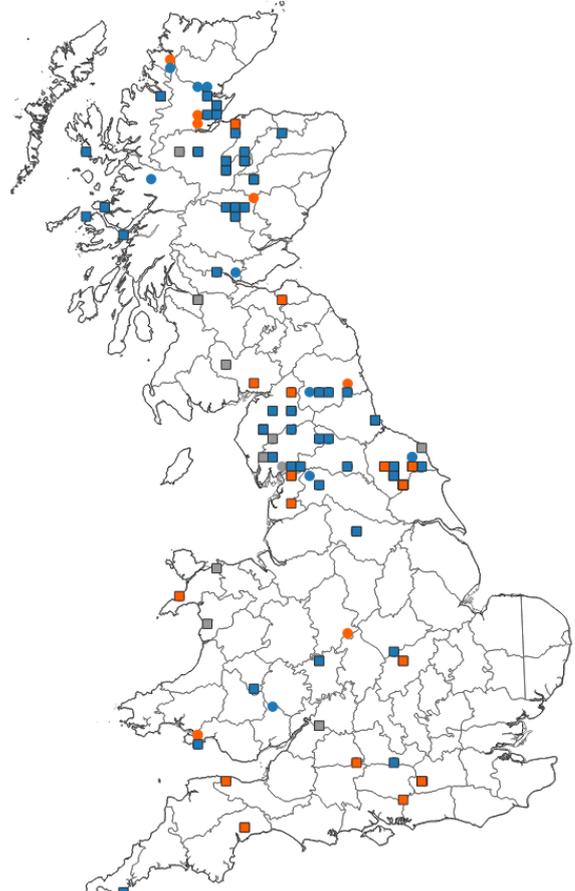


Family: Rhagionidae

***Rhagio notatus* (Meigen, 1820)**

**Large Fleck-winged Snipefly**

- ID difficulty: 3
- Flight period: May to Jul
- GB threat: Least Concern
- mostly northern, but scattered in the south
- often at river margins, but also found on dry hills
- No. of records: 140 • % since 2000: 19%

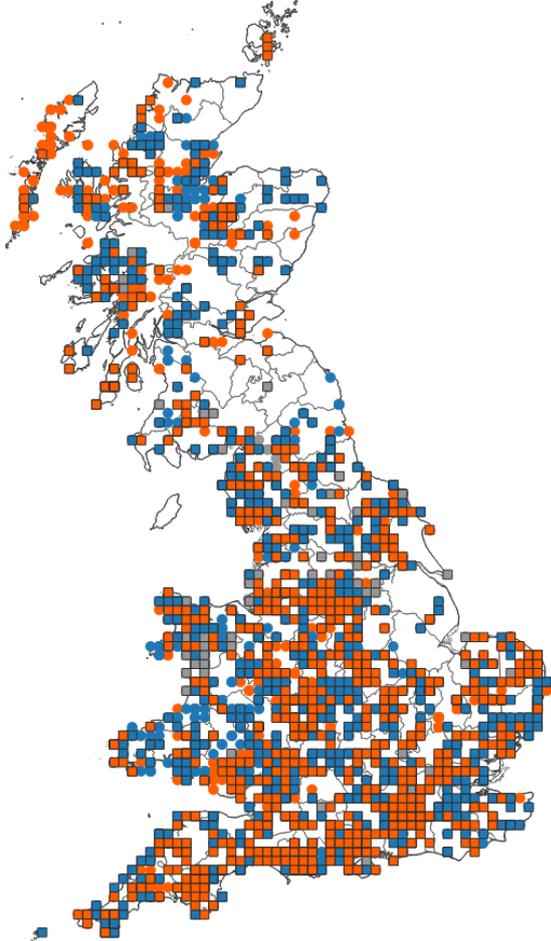


Family: Rhagionidae

***Rhagio scolopaceus* (Linnaeus, 1758)**

**Downlooker Snipefly**

- ID difficulty: 1
- Flight period: May to Aug
- GB threat: Least Concern
- widespread
- damp meadows, also drier soils and woodland
- No. of records: 3676 • % since 2000: 51%

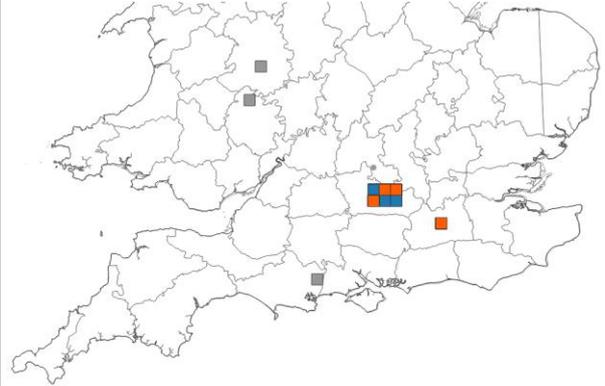


Family: Rhagionidae

***Rhagio strigosus* (Meigen, 1804)**

**Yellow Downlooker Snipefly**

- ID difficulty: 4
- Flight period: Jun to mid Sep, peak Jul
- GB threat: Vulnerable • GB rarity: Nationally Rare
- southern England (Chilterns, North Downs)
- woodland edge, also isolated trees and telegraph poles, in calcareous areas
- No. of records: 153 • % since 2000: 29%
- **Caveats:** the three westernmost records are thought erroneous

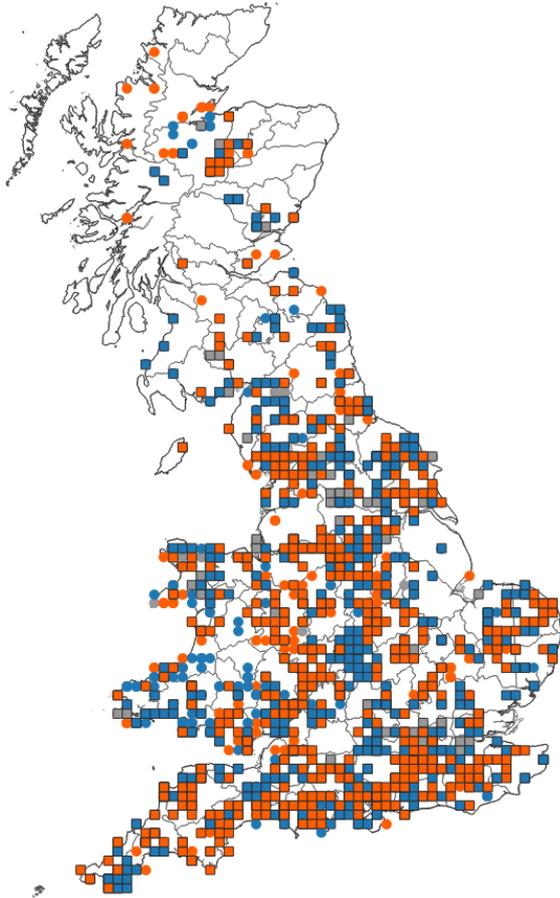


Family: Rhagionidae

***Rhagio tringarius* (Linnaeus, 1758)**

**Marsh Snipefly**

- ID difficulty: 2
- Flight period: May to Sep
- GB threat: Least Concern
- widespread, scarcer in Scotland
- marshes and wet meadows, pond edges, woodland
- No. of records: 2139 • % since 2000: 47%

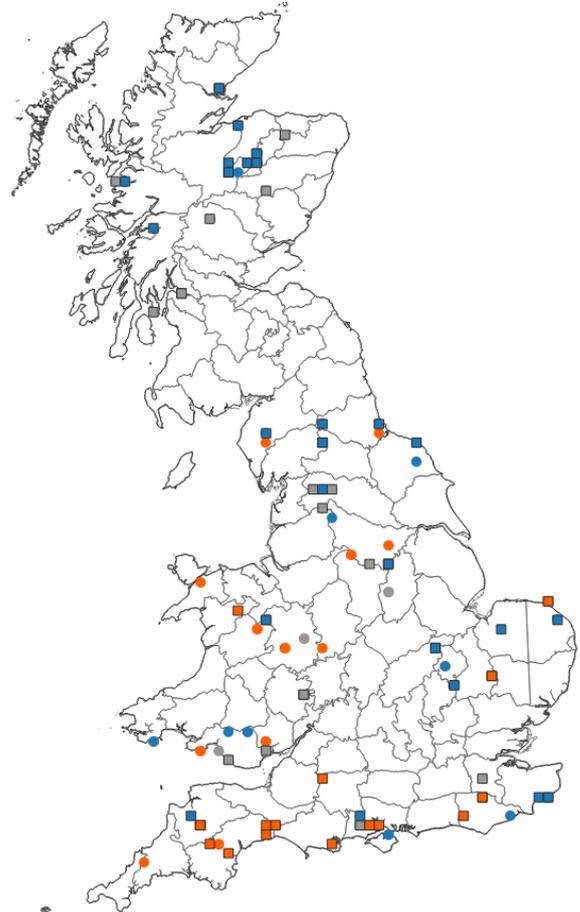


Family: Rhagionidae

***Spania nigra* Meigen, 1830**

**Liverwort Snipefly**

- ID difficulty: 4
- Flight period: late May to early Aug, peak early to mid Jun
- GB threat: Least Concern
- widespread
- associated with liverworts, usually in open habitats but sometimes in woodland
- No. of records: 90 • % since 2000: 24%

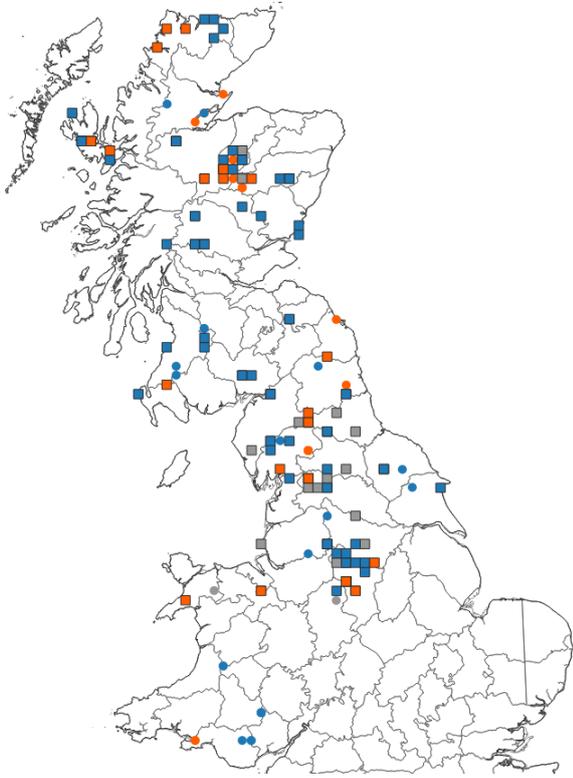


Family: Rhagionidae

***Symphoromyia crassicornis* (Panzer, [1806])**

**Moorland Snipefly**

- ID difficulty: 3
- Flight period: Jun to Jul
- GB threat: Least Concern
- western and northern Britain
- upland bogs, marshes and streams, lowland wet meadows and marshes
- No. of records: 144 • % since 2000: 23%

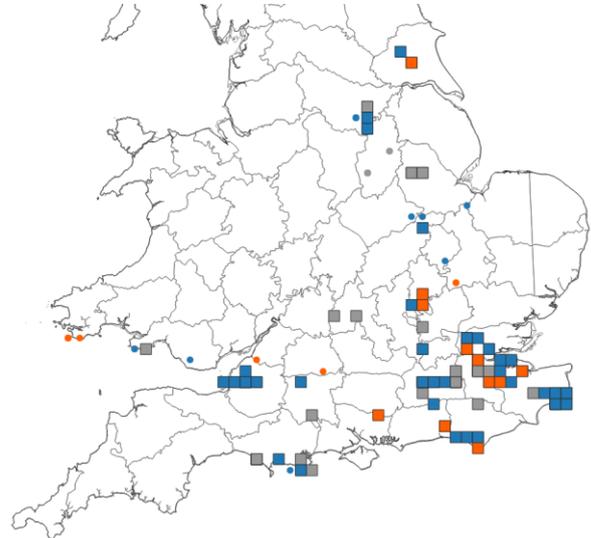


Family: Rhagionidae

***Symphoromyia immaculata* (Meigen, 1804)**

**Limestone Snipefly**

- ID difficulty: 3
- Flight period: mid May to late Aug, peak mid to late Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- southern and eastern England north to Yorks
- dry calcareous grassland, sometimes on clay
- No. of records: 136 • % since 2000: 12%



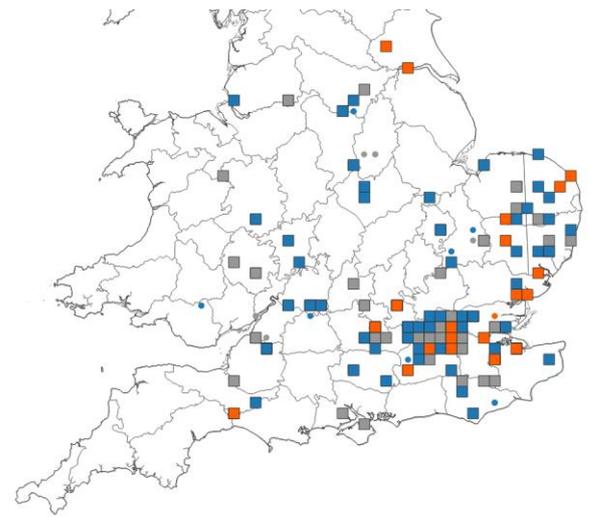
**Family: Scenopinidae (windowflies)**

Family: Scenopinidae

***Scenopinus fenestralis* (Linnaeus, 1758)**

**House Windowfly**

- ID difficulty: 3
- Flight period: Jun to Aug
- GB threat: Least Concern
- more frequent in the south, north to Humber
- synanthropic; houses, stables, flour mills
- No. of records: 233 • % since 2000: 19%

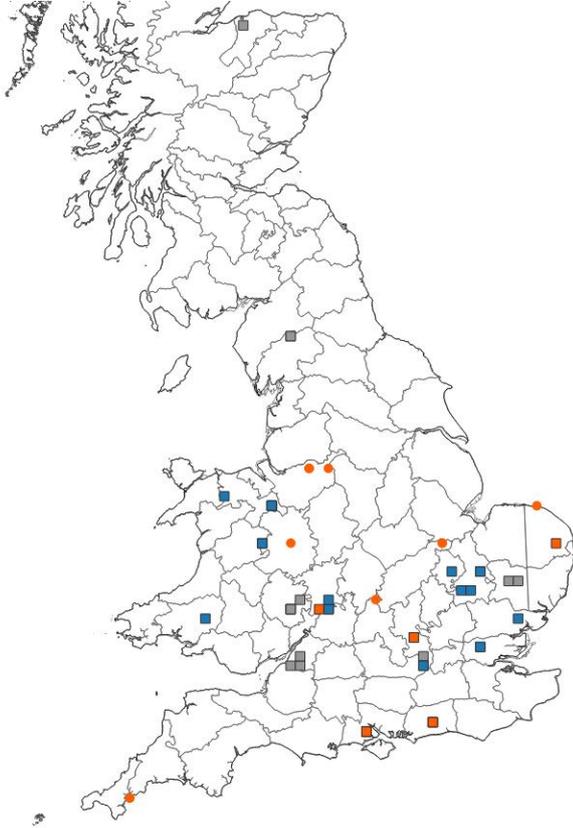


Family: Scenopinidae

***Scenopinus niger* (De Geer, 1776)**

**Forest Windowfly**

- ID difficulty: 3
- Flight period: late May to early Aug
- GB threat: Near Threatened • GB rarity: Nationally Scarce
- mostly southern England, scattered in Wales and Scotland
- old, decaying trees
- No. of records: 52 • % since 2000: 15%



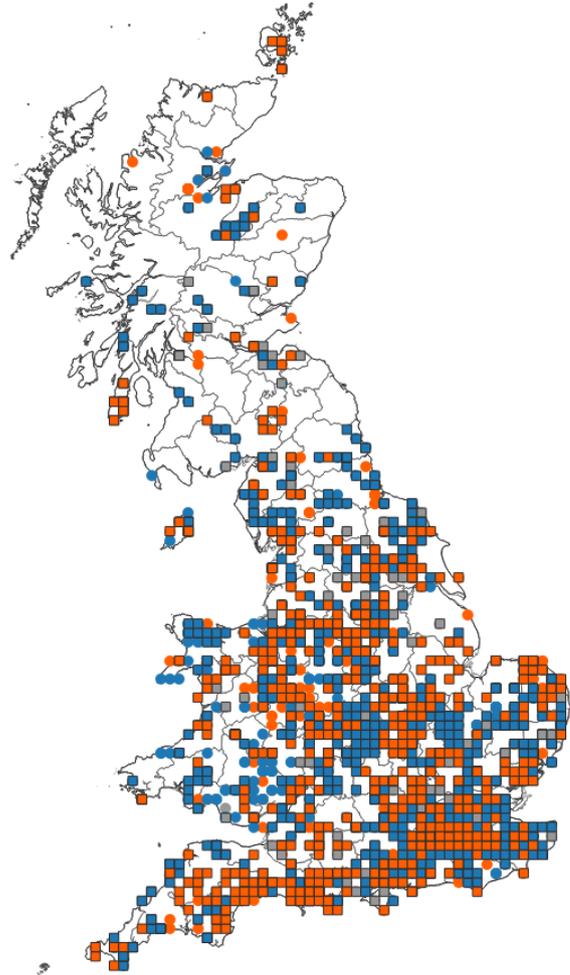
**Family: Stratiomyidae (soldierflies)**

Family: Stratiomyidae

***Beris chalybata* (Forster, 1771)**

**Murky-legged Black Legionnaire**

- ID difficulty: 3
- Flight period: late Apr to mid Sep, peak mid May to early Jun
- GB threat: Least Concern
- widespread
- lush vegetation at woodland edges, rides and hedgerows, also gardens, marshes, fens
- No. of records: 3144 • % since 2000: 43%

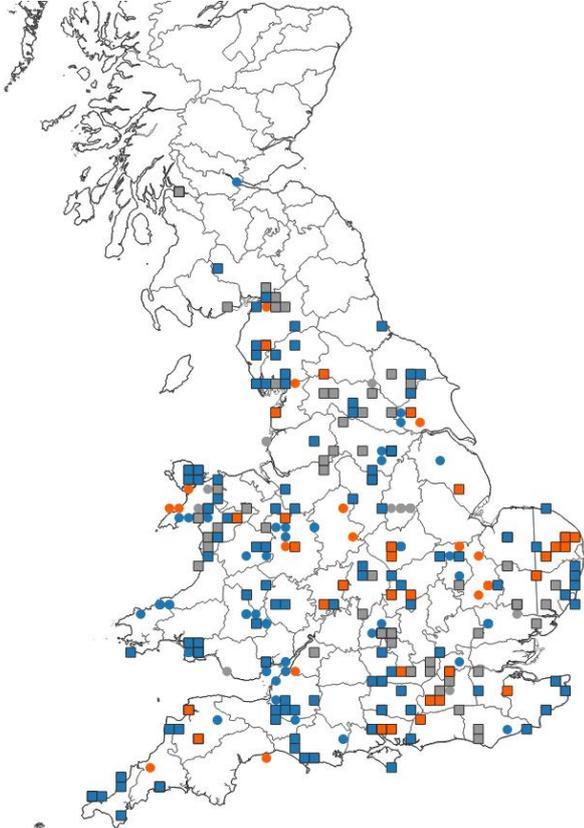


Family: Stratiomyidae

***Beris clavipes* (Linnaeus, 1767)**

**Scarce Orange Legionnaire**

- ID difficulty: 2
- Flight period: May to late Jul, peak late May to mid Jun
- GB threat: Least Concern
- widespread in south, rare in Scotland
- marshes and fens
- No. of records: 330 • % since 2000: 15%

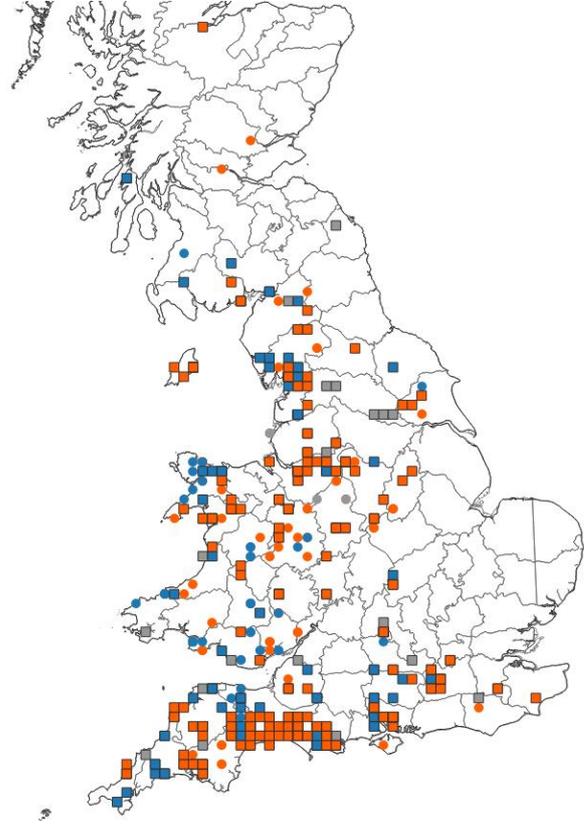


Family: Stratiomyidae

***Beris fuscipes* Meigen, 1820**

**Short-horned Black Legionnaire**

- ID difficulty: 3
- Flight period: mid May to Sep, peak in late Jun and early Jul
- GB threat: Least Concern
- widespread, especially in west
- fens and marshes
- No. of records: 540 • % since 2000: 63%

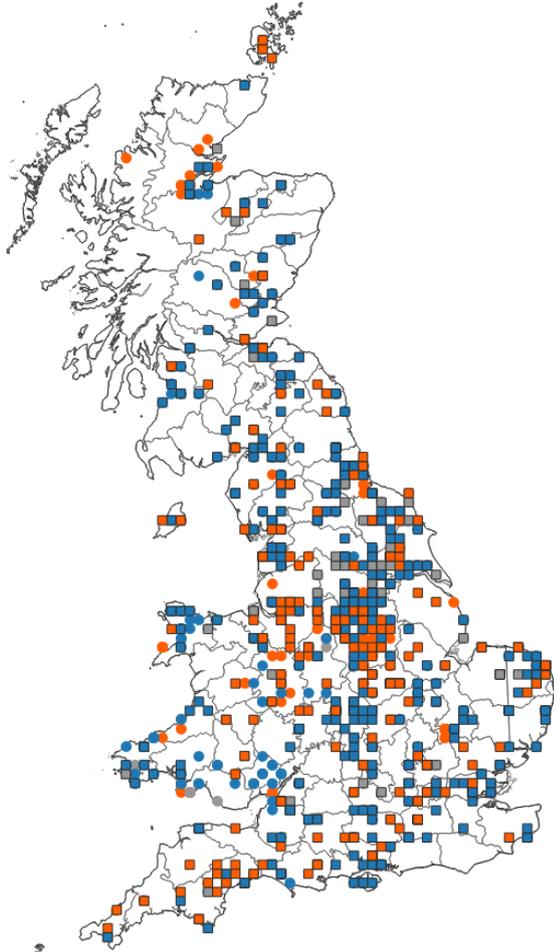


Family: Stratiomyidae

***Beris geniculata* Haliday in Curtis, 1830**

**Long-horned Black Legionnaire**

- ID difficulty: 3
- Flight period: mid May to Sep, peak late Jun to early Jul
- GB threat: Least Concern
- widespread, more frequent in north and west
- fens, marshes, wet woods, sheltered streams
- No. of records: 910 • % since 2000: 28%

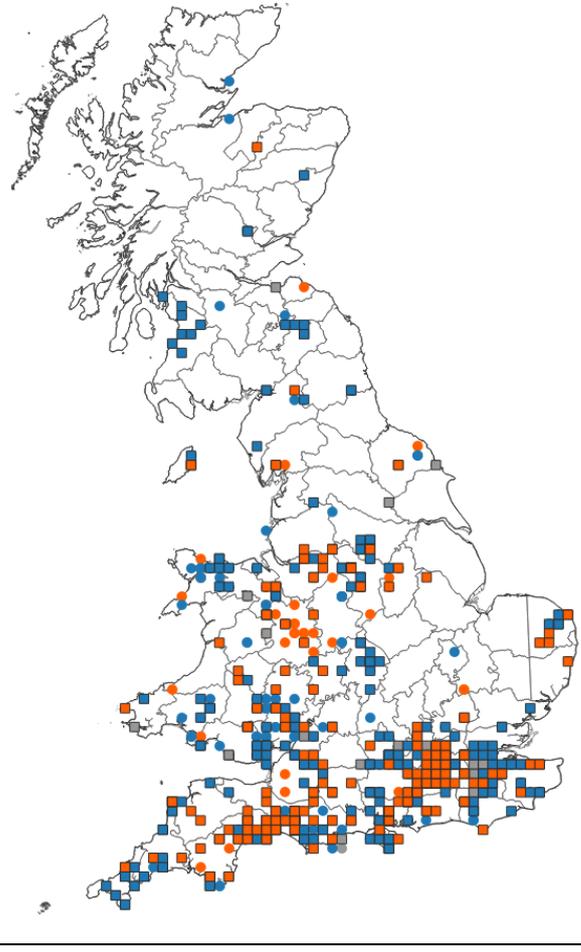


Family: Stratiomyidae

***Beris morrisii* Dale, 1841**

**Yellow-legged Black Legionnaire**

- ID difficulty: 3
- Flight period: mid May to Sep, peak in late Jun to early Jul
- GB threat: Least Concern
- widespread, more frequent in south
- damp ground at woodland edges or around trees
- No. of records: 743 • % since 2000: 42%

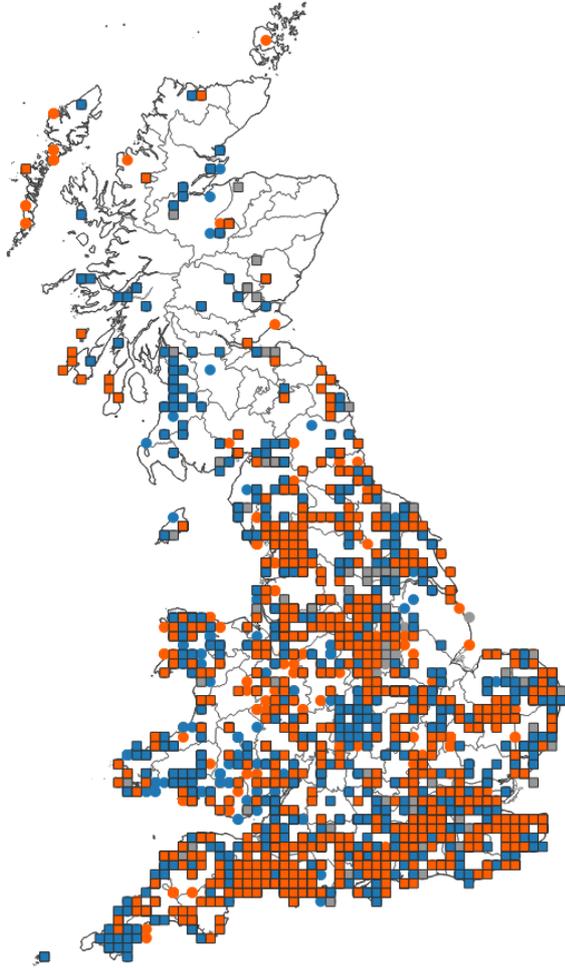


Family: Stratiomyidae

***Beris vallata* (Forster, 1771)**

**Common Orange Legionnaire**

- ID difficulty: 2
- Flight period: late Apr to early Oct, peak late Jun to early Jul
- GB threat: Least Concern
- widespread
- fens, marshes, wet woodland, with tall vegetation or scrub
- No. of records: 4653 • % since 2000: 57%

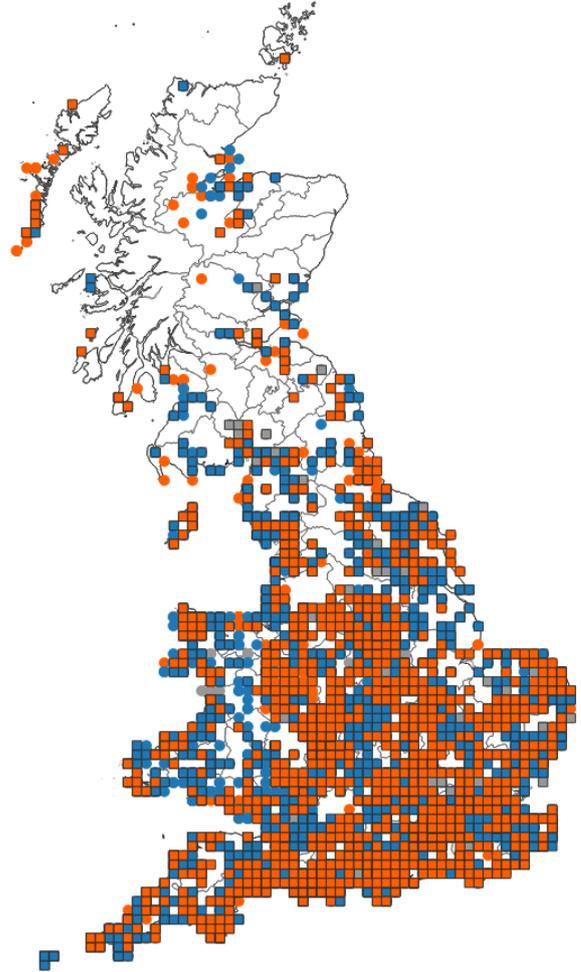


Family: Stratiomyidae

***Chloromyia formosa* (Scopoli, 1763)**

**Broad Centurion**

- ID difficulty: 1
- Flight period: May to early Sep
- GB threat: Least Concern
- widespread
- fens, marshes, meadows, woodland glades, gardens, usually on rich soils
- No. of records: 7252 • % since 2000: 48%

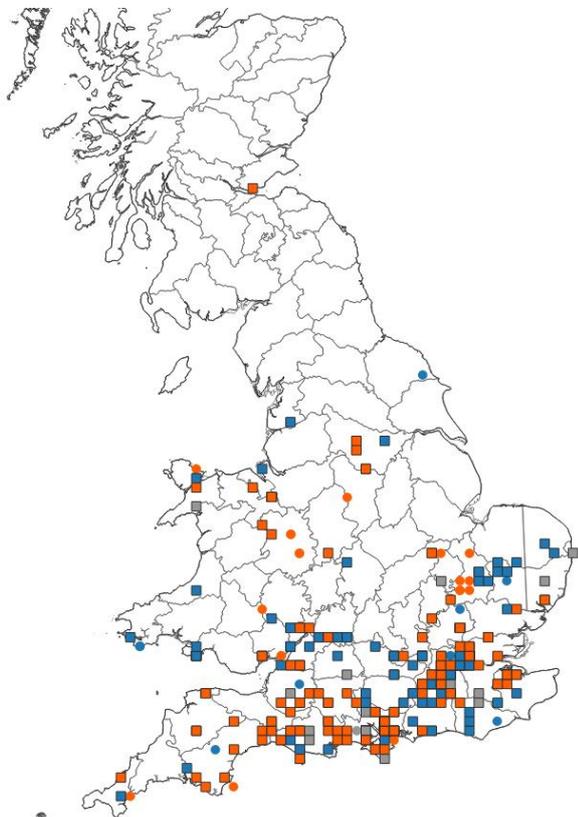


Family: Stratiomyidae

***Chorisops nagatomii* Rozkošný , 1979**

**Bright Four-spined Legionnaire**

- ID difficulty: 3
- Flight period: May to early Oct, peak in Aug
- GB threat: Least Concern
- widespread in England and Wales, found in Scotland in 2017
- fens, peat soils
- No. of records: 341 • % since 2000: 54%

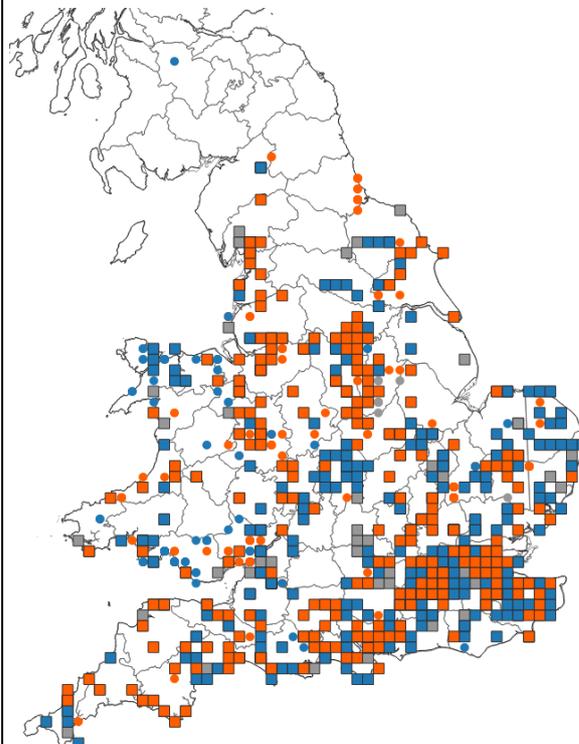


Family: Stratiomyidae

***Chorisops tibialis* (Meigen, 1820)**

**Dull Four-spined Legionnaire**

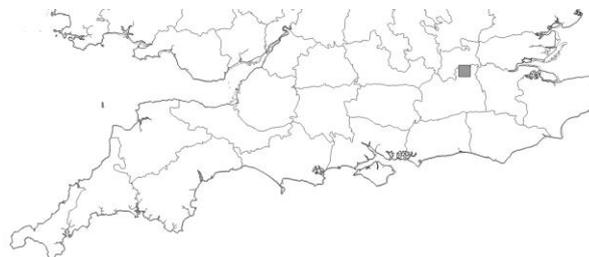
- ID difficulty: 3
- Flight period: mid May to late Sep, peak in Jun
- GB threat: Least Concern
- widespread in England and Wales
- shaded conditions, woodland rides
- No. of records: 1321 • % since 2000: 50%



Family: Stratiomyidae

***Clitellaria ephippium* (Fabricius, 1775)**

- ID difficulty: 4
- Flight period: June
- GB threat: Regionally Extinct
- At least one record in Surrey (1812), possibly also in Kent in the early 19<sup>th</sup> century
- No. of records: 1 • % since 2000: 0%

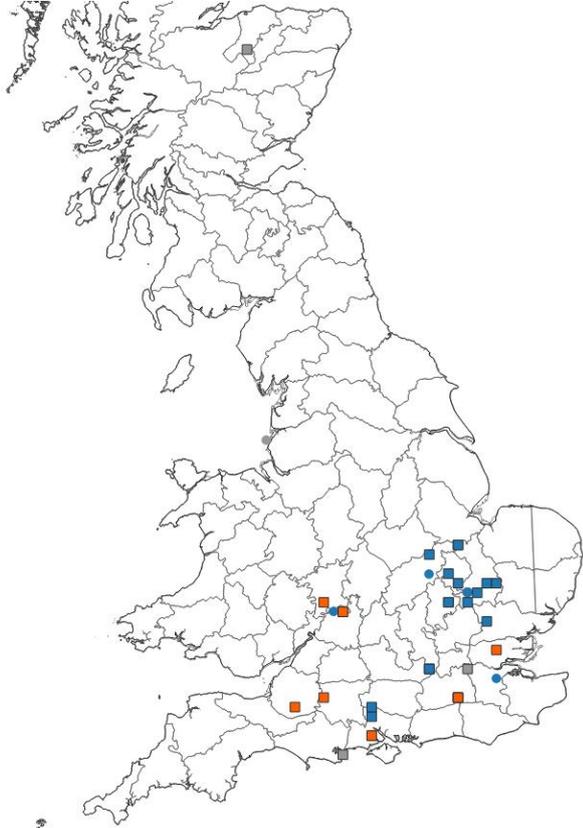


Family: Stratiomyidae

***Eupachygaster tarsalis* (Zetterstedt, 1842)**

**Scarce Black**

- ID difficulty: 3
- Flight period: May to Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- scattered
- rot-holes in deciduous trees
- No. of records: 32 • % since 2000: 31%

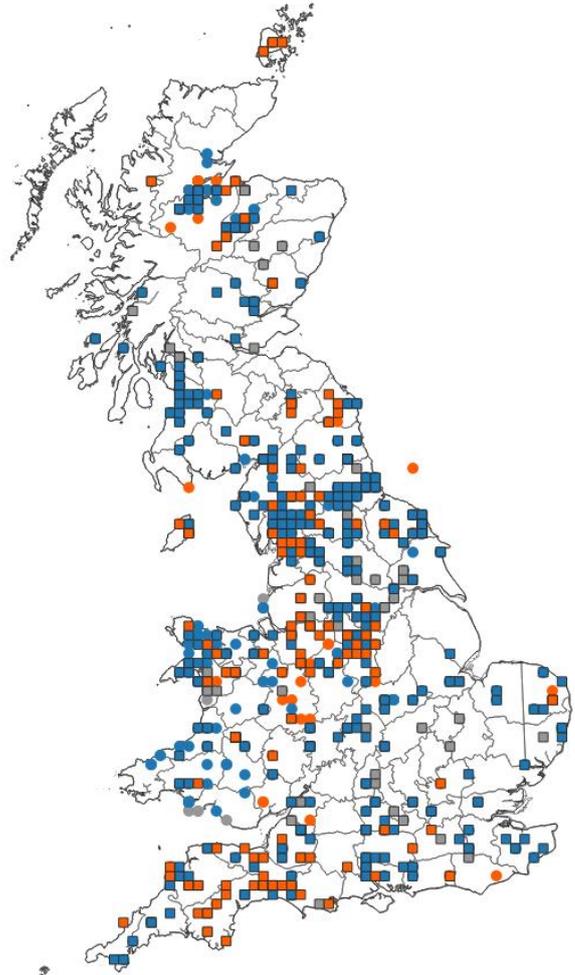


Family: Stratiomyidae

***Microchrysa cyaneiventris* (Zetterstedt, 1842)**

**Black Gem**

- ID difficulty: 2
- Flight period: May to Sep, peak in late Jun to mid Jul
- GB threat: Least Concern
- widespread
- woodland edge, hedgerows, isolated trees and bushes
- No. of records: 767 • % since 2000: 21%

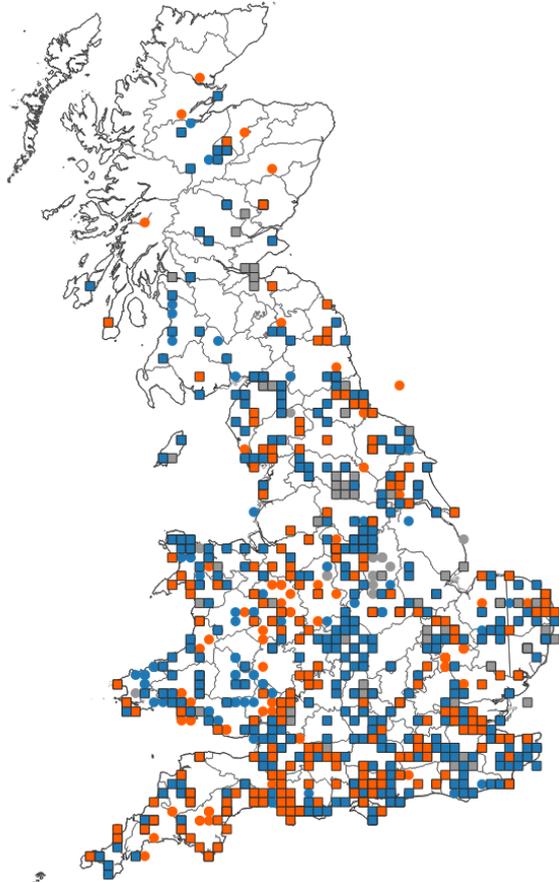


Family: Stratiomyidae

***Microchrysa flavicornis* (Meigen, 1822)**

**Green Gem**

- ID difficulty: 2
- Flight period: early May to Sep, peak in mid Jun to mid Jul
- GB threat: Least Concern
- widespread
- woodland edge, hedgerows, isolated trees and bushes
- No. of records: 1200 • % since 2000: 31%

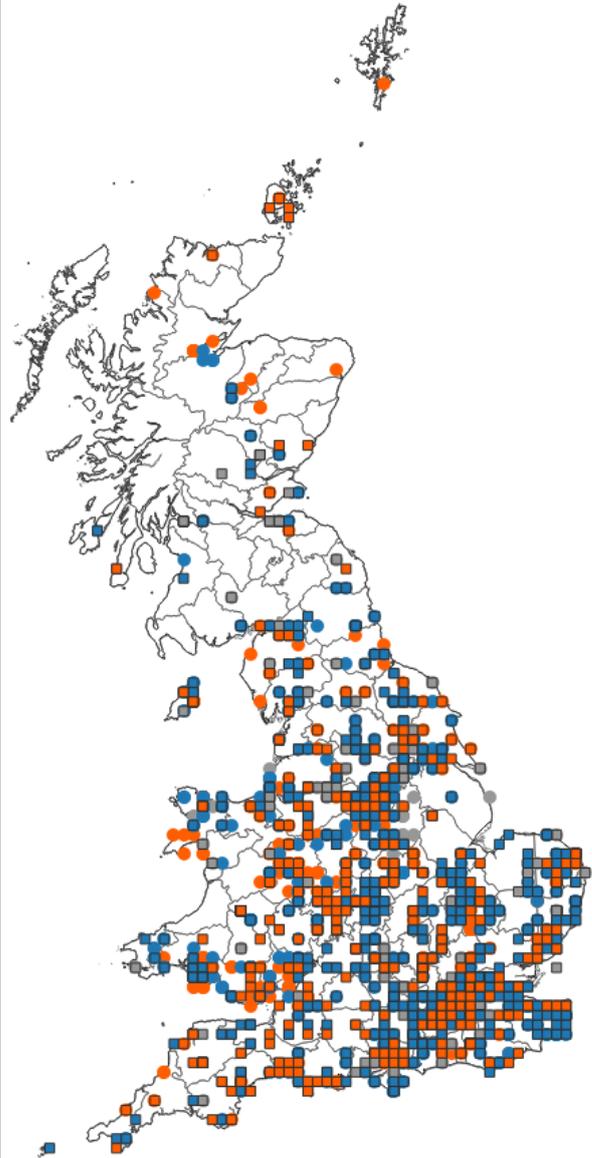


Family: Stratiomyidae

***Microchrysa polita* (Linnaeus, 1758)**

**Black-horned Gem**

- ID difficulty: 2
- Flight period: Mar to Oct
- GB threat: Least Concern
- widespread
- gardens, hedgerows
- No. of records: 1895 • % since 2000: 39%

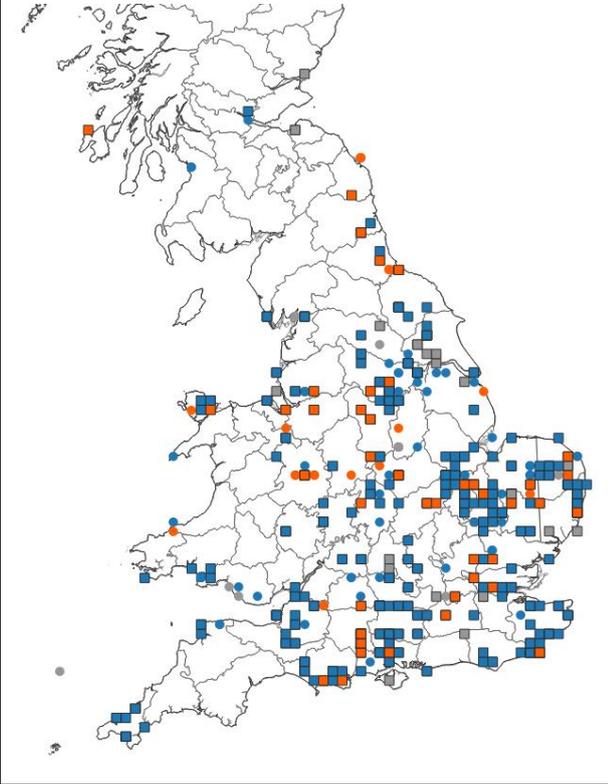


Family: Stratiomyidae

***Nemotelus nigrinus* Fallén, 1817**

**All-black Snout**

- ID difficulty: 3
- Flight period: May to Aug, peak late Jun to early Jul
- GB threat: Least Concern
- widespread in south, less so in north
- calcareous fens and marshy ground, coastal ditches and dune pools
- No. of records: 563 • % since 2000: 21%

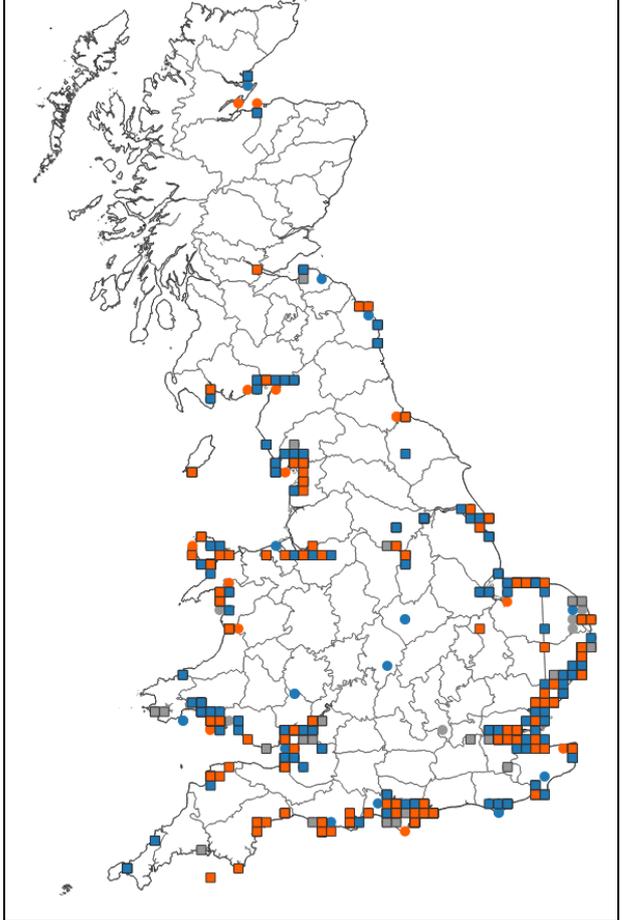


Family: Stratiomyidae

***Nemotelus notatus* Zetterstedt, 1842**

**Flecked Snout**

- ID difficulty: 3
- Flight period: May to Aug, peak in early Jul
- GB threat: Least Concern
- widespread around coast, occasional inland
- saline pools
- No. of records: 952 • % since 2000: 35%

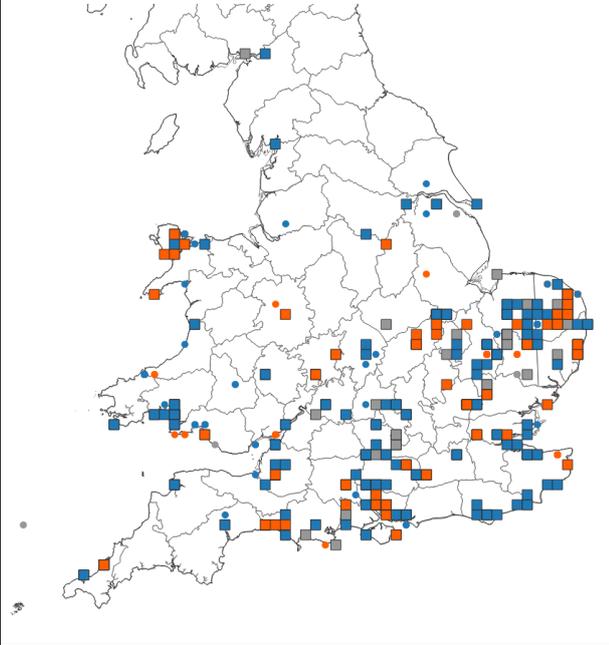


Family: Stratiomyidae

***Nemotelus pantherinus* (Linnaeus, 1758)**

**Fen Snout**

- ID difficulty: 3
- Flight period: Jun to Aug
- GB threat: Least Concern
- widespread in south, scarcer in north
- seepages, including damp fen and meadows, ponds and ditches
- No. of records: 467 • % since 2000: 28%

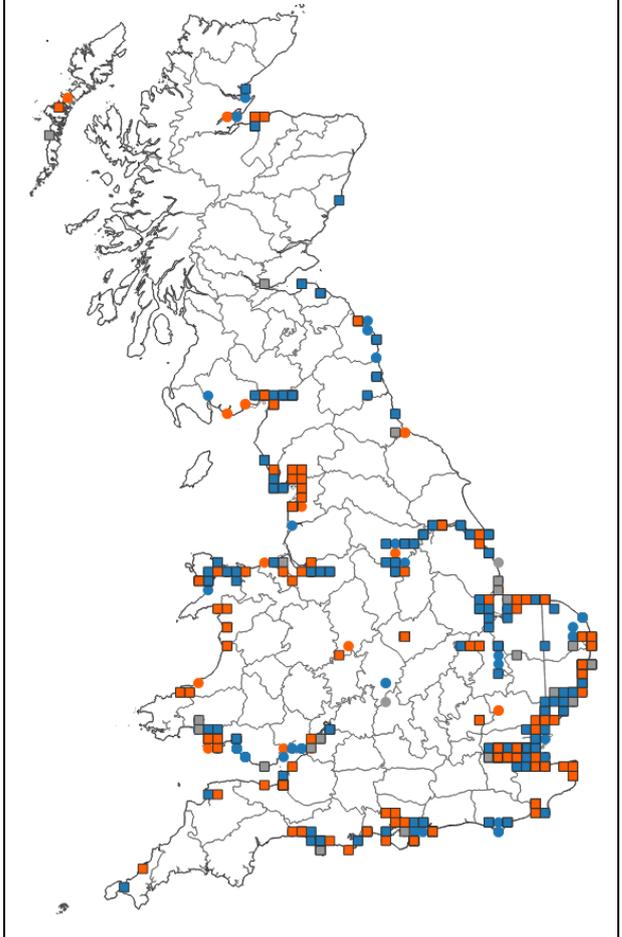


Family: Stratiomyidae

***Nemotelus uliginosus* (Linnaeus, 1767)**

**Barred Snout**

- ID difficulty: 3
- Flight period: Jun to early Sep, peak in Jul
- GB threat: Least Concern
- widespread around coast
- saline pools
- No. of records: 761 • % since 2000: 38%

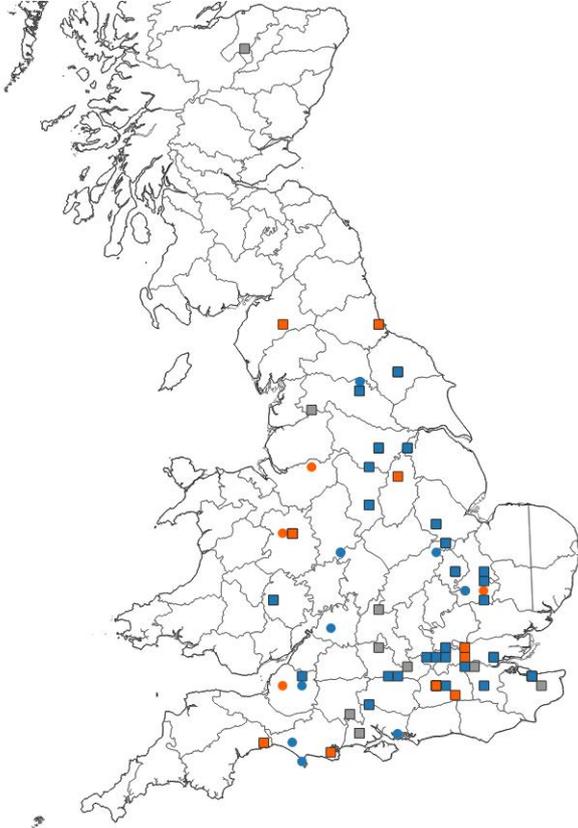


Family: Stratiomyidae

***Neopachygaster meromelas* (Dufour, 1841)**

**Silver-strips Black**

- ID difficulty: 3
- Flight period: Jun to late Aug, peak Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- scattered, mostly south-east, north to Yorks and Cumbria
- under bark of various trees
- No. of records: 71 • % since 2000: 23%

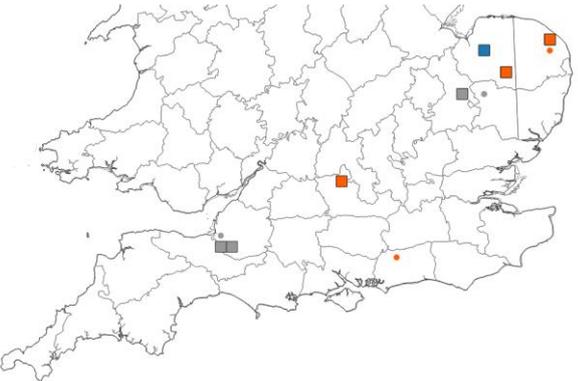


Family: Stratiomyidae

***Odontomyia angulata* (Panzer, [1798])**

**Orange-horned Green Colonel**

- ID difficulty: 3
- Flight period: Jun to early Aug
- GB threat: Vulnerable • GB rarity: Nationally Rare
- Fens in Oxon, New Forest and East Anglia (formerly also Somerset and Wales)
- fenland pools, pingos, may need ancient pools; mires with base-rich conditions
- No. of records: 22 • % since 2000: 18%
- **Caveats:** old records for Wales (Stubbs and Drake 2014) not mapped

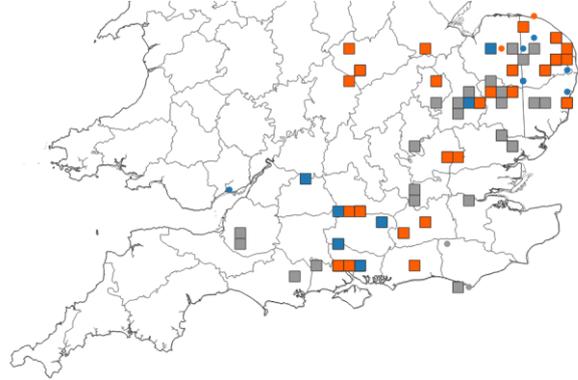


Family: Stratiomyidae

***Odontomyia argentata* (Fabricius, 1794)**

**Silver Colonel**

- ID difficulty: 2
- Flight period: late Apr to early Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- south-east
- fens, marshes, floodplain pools and ditches
- No. of records: 120 • % since 2000: 49%

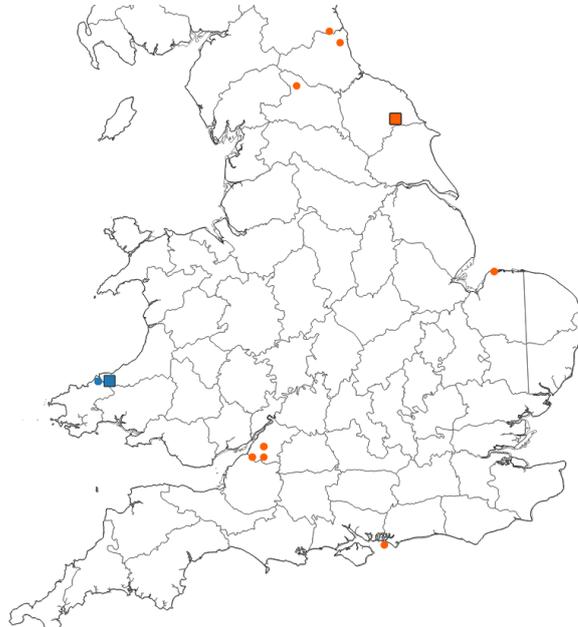


Family: Stratiomyidae

***Odontomyia hydroleon* (Linnaeus, 1758)**

**Barred Green Colonel**

- ID difficulty: 3
- Flight period: Jul
- GB threat: Critically Endangered • GB rarity: Nationally Rare
- Yorkshire, formerly Ceredigion in Wales
- seepages in meadows
- No. of records: 18 • % since 2000: 56%
- **Caveats:** the only confirmed records are from west Wales and north-east Yorkshire – this species is frequently recorded erroneously

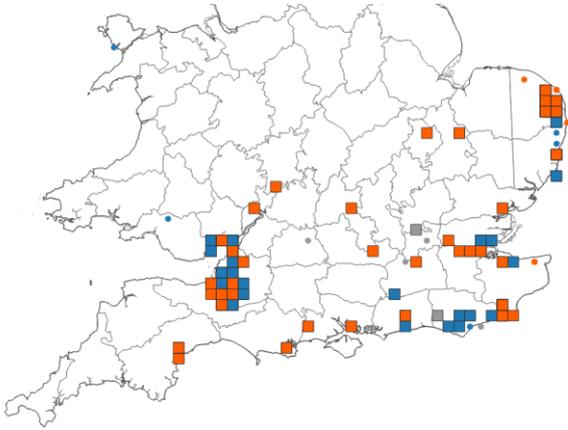


Family: Stratiomyidae

***Odontomyia ornata* (Meigen, 1822)**

**Ornate Brigadier**

- ID difficulty: 2
- Flight period: late Apr to late July, peak in Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- scattered in southern Britain
- ditches in grazing levels
- No. of records: 549 • % since 2000: 47%

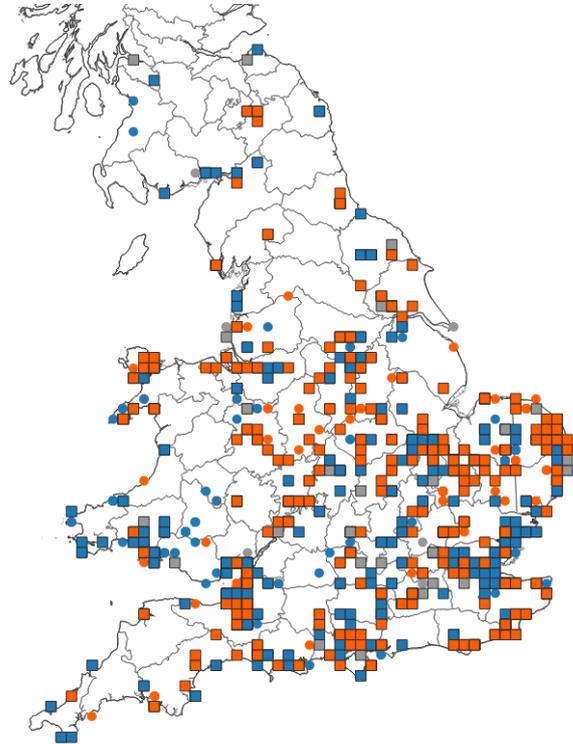


Family: Stratiomyidae

***Oplodontha viridula* (Fabricius, 1775)**

**Common Green Colonel**

- ID difficulty: 3
- Flight period: late May to Aug, peak in late Jun to mid Jul
- GB threat: Least Concern
- widespread, more frequent near coast
- open habitats with lush vegetation on alluvium, clay or fen peat
- No. of records: 2360 • % since 2000: 47%

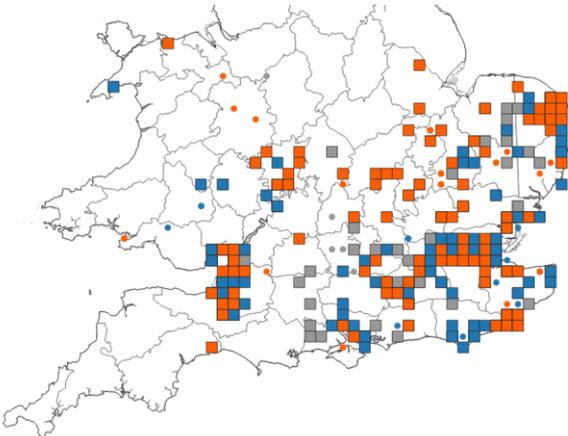


Family: Stratiomyidae

***Odontomyia tigrina* (Fabricius, 1775)**

**Black Colonel**

- ID difficulty: 2
- Flight period: mid Apr to early Aug, peak late My to early Jun
- GB threat: Least Concern
- scattered in south, scarcer in north
- margins of ponds, ditches and canals
- No. of records: 815 • % since 2000: 36%
- **Caveats:** Stubbs and Drake (2014) mention Scottish records, for which record details are not available

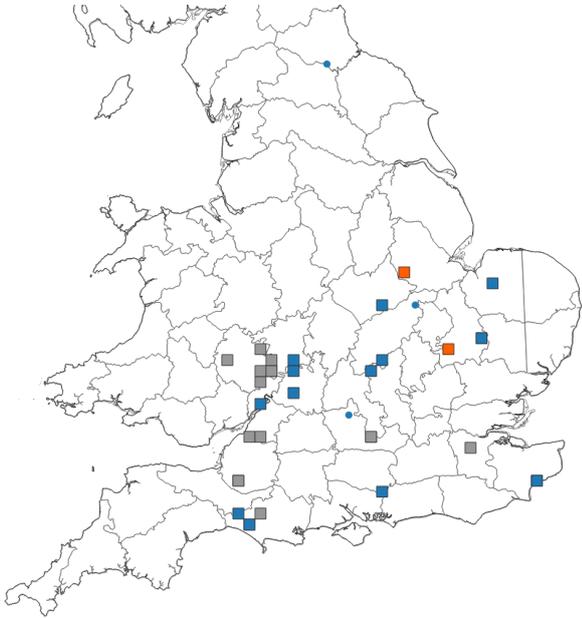


Family: Stratiomyidae

***Oxycera analis* Wiedemann in Meigen, 1822**

**Dark-winged Soldier**

- ID difficulty: 2
- Flight period: late May to late Jul, peak in mid Jun to early Jul
- GB threat: Vulnerable • GB rarity: Nationally Rare
- scattered across southern half of England, more restricted in recent years
- fen, marsh, calcareous spring-fed streams at edge of woodland or in open woodland
- No. of records: 36 • % since 2000: 6%

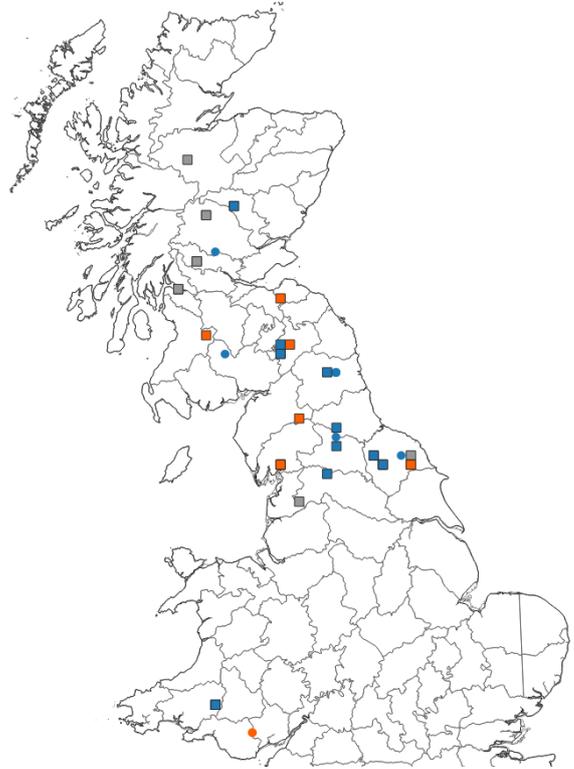


Family: Stratiomyidae

***Oxycera dives* Loew, 1845**

**Round-spotted Major**

- ID difficulty: 2
- Flight period: Jun to Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- Scotland, northern England, Wales
- seepages at edges of woodland, moorlands, often but not always at calcareous sites
- No. of records: 41 • % since 2000: 24%

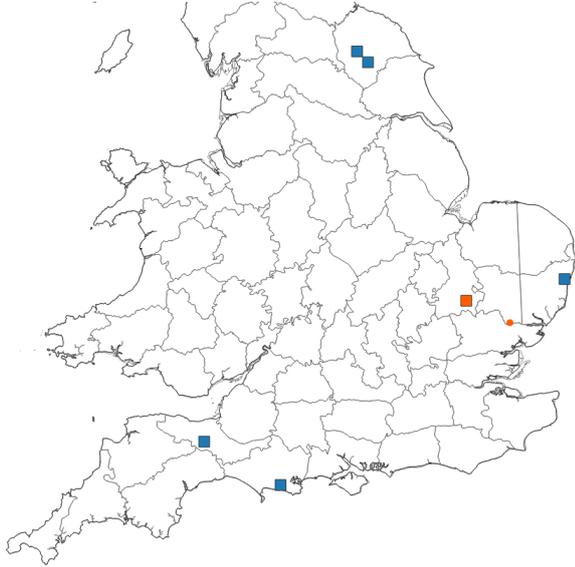


Family: Stratiomyidae

***Oxycera fallenii* Staeger, 1844**

**Irish Major**

- ID difficulty: 2
- Flight period: Jun to Aug, peak late July to Aug
- GB threat: Vulnerable • GB rarity: Nationally Rare
- Yorks and Ireland
- calcareous springs, seepages, streams
- No. of records: 8 • % since 2000: 13%
- **Caveats:** the only confirmed British records are from north-east Yorkshire

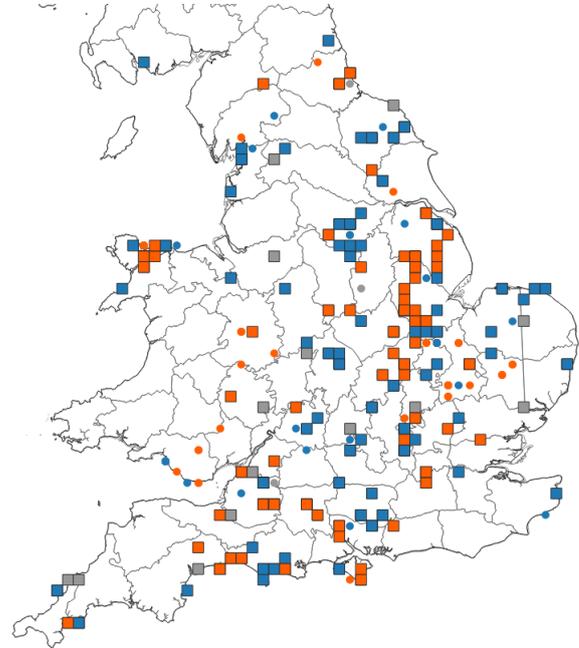


Family: Stratiomyidae

***Oxycera morrisii* Curtis, 1833**

**White-barred Soldier**

- ID difficulty: 3
- Flight period: early Jun to Aug, peak in early Jul
- GB threat: Least Concern
- scattered in lowland areas
- seepages, marshes
- No. of records: 294 • % since 2000: 40%

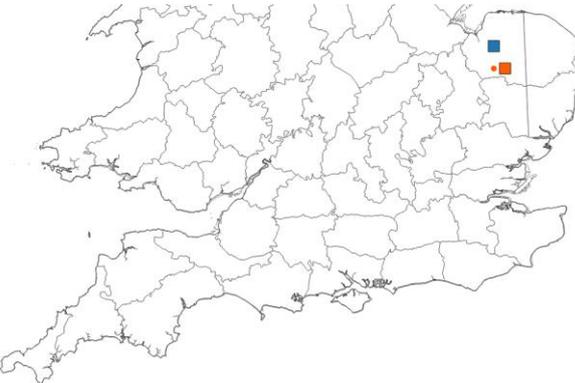


Family: Stratiomyidae

***Oxycera leonina* (Panzer, [1798])**

**Twin-spotted Major**

- ID difficulty: 3
- Flight period: ?May to Jul, peak Jun to Jul
- GB threat: Vulnerable • GB rarity: Nationally Rare
- Norfolk and Suffolk only
- calcareous springs, seepages, often with Alder carr
- No. of records: 4 • % since 2000: 50%
- **Caveats:** Suffolk records (Drake 2017) not mapped (record details not available)

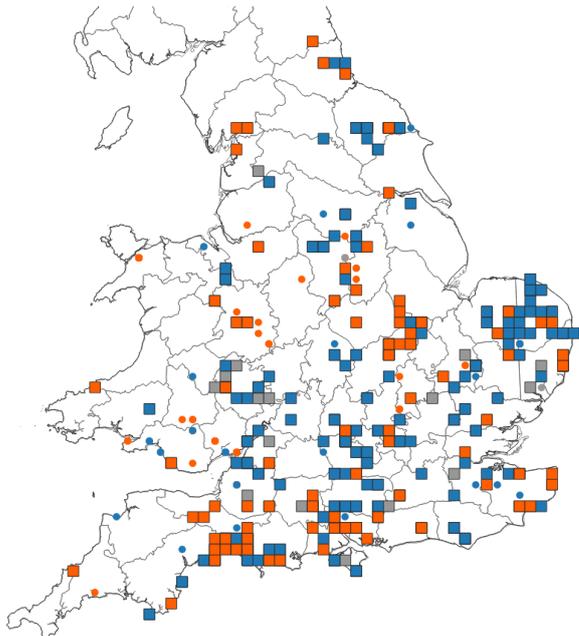


Family: Stratiomyidae

***Oxycera nigricornis* Olivier, 1811**

**Delicate Soldier**

- ID difficulty: 3
- Flight period: late May to Aug, peak in Jul
- GB threat: Least Concern
- widespread in southern England
- calcareous springs and streams, seepages in woodland and carr
- No. of records: 709 • % since 2000: 30%

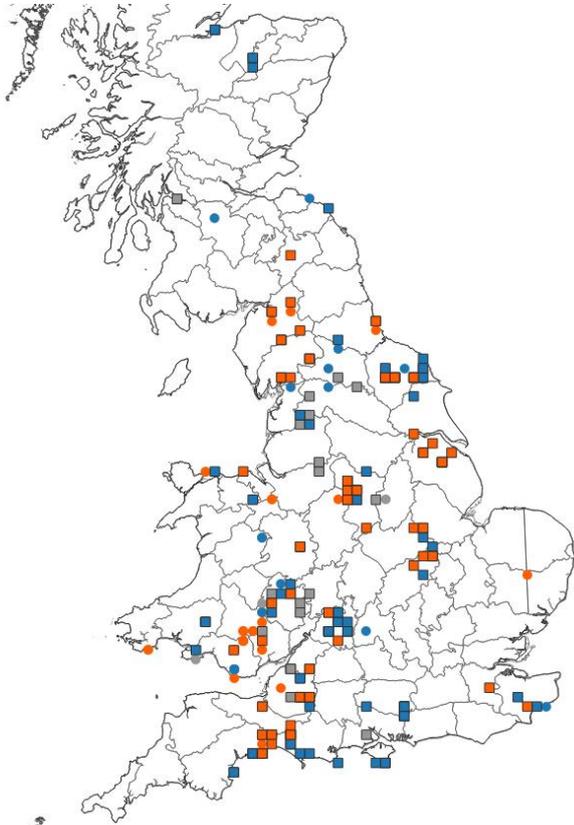


Family: Stratiomyidae

***Oxycera pardalina* Meigen, 1822**

**Hill Soldier**

- ID difficulty: 3
- Flight period: early Jun to Aug, peak late Jun to early Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- scattered, most frequent in northern England
- calcareous springs and streams, often on hills, coastal landslips
- No. of records: 232 • % since 2000: 38%

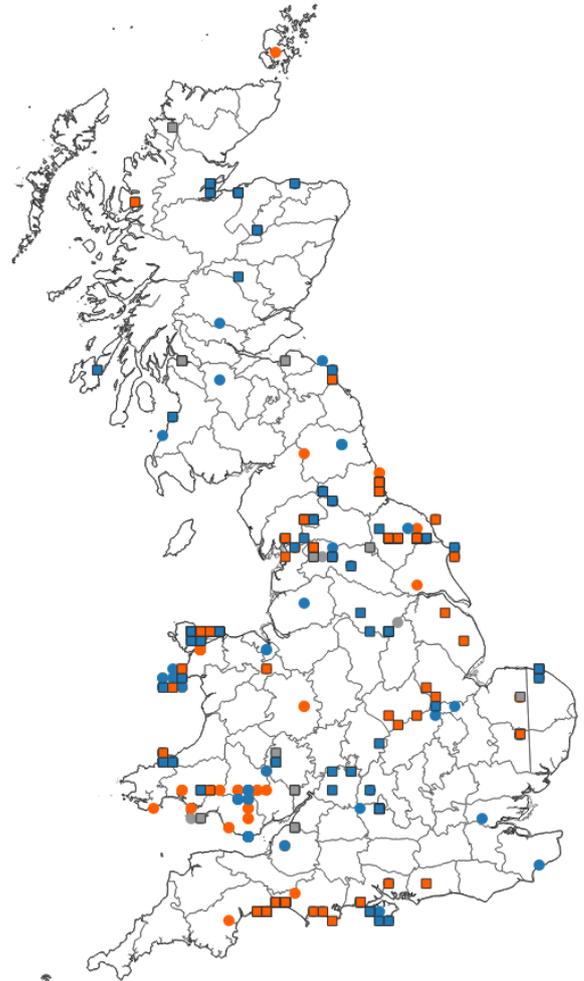


Family: Stratiomyidae

***Oxycera pygmaea* (Fallén, 1817)**

**Pygmy Soldier**

- ID difficulty: 3
- Flight period: late May to early Aug, peak mid Jun to mid Jul
- GB threat: Least Concern
- widespread
- calcareous seepages on open sites, occasionally in woodland
- No. of records: 308 • % since 2000: 32%

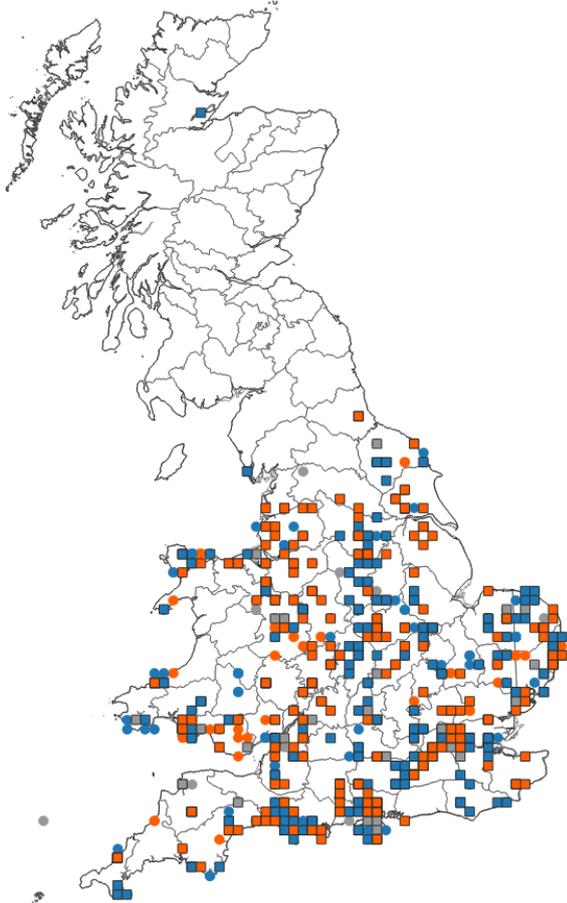


Family: Stratiomyidae

***Oxycera rara* (Scopoli, 1763)**

**Four-barred Major**

- ID difficulty: 2
- Flight period: late May to Aug, peak in Jul
- GB threat: Least Concern
- widespread in southern half of England and in Wales
- seepages and wet mud at edge of ponds and ditches, coastal landslips, wet meadows, marsh and fen, sometimes in brackish conditions
- No. of records: 816 • % since 2000: 40%
- **Caveats:** the Scottish record requires confirmation

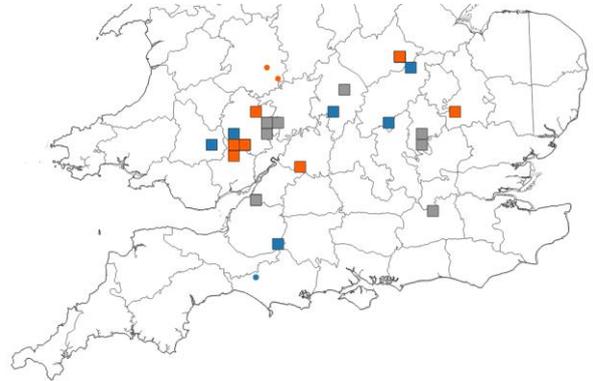


Family: Stratiomyidae

***Oxycera terminata* Wiedemann in Meigen, 1822**

**Yellow-tipped Soldier**

- ID difficulty: 3
- Flight period: Jun to Jul
- GB threat: Near Threatened • GB rarity: Nationally Scarce
- Welsh borders, midlands and southern England
- calcareous seepages, sandy river banks with Alder, river shingle
- No. of records: 52 • % since 2000: 54%

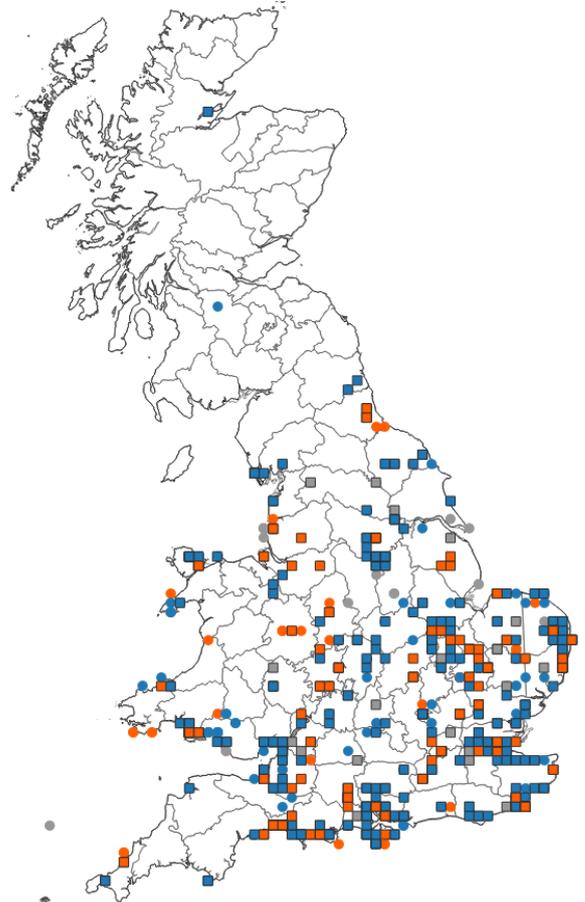


Family: Stratiomyidae

***Oxycera trilineata* (Linnaeus, 1767)**

**Three-lined Soldier**

- ID difficulty: 2
- Flight period: Jun to early Sep, peak in late Jun and Jul
- GB threat: Least Concern
- widespread, scarcer in north
- coastal ditches, pools, ponds, springs, streams
- No. of records: 696 • % since 2000: 31%

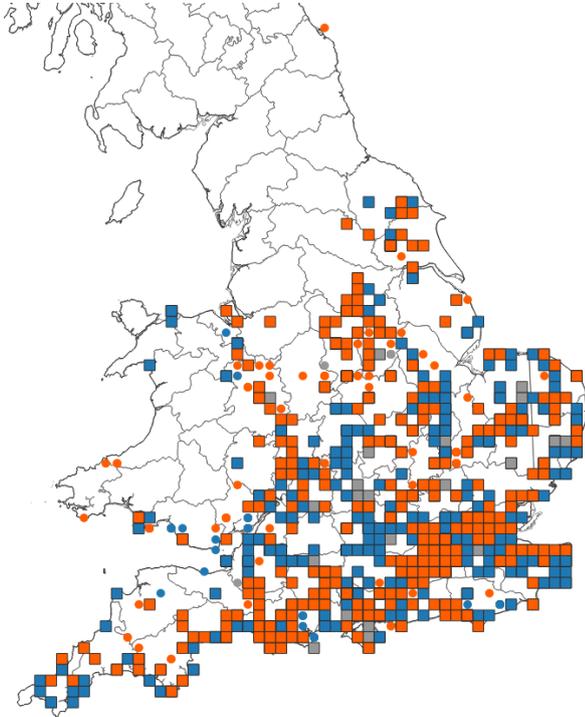


Family: Stratiomyidae

***Pachygaster atra* (Panzer, [1798])**

**Dark-winged Black**

- ID difficulty: 2
- Flight period: May to mid Aug, peak in late Jun and Jul
- GB threat: Least Concern
- widespread in south, becoming rarer in north
- trees and bushes, woodland edges and hedgerows
- No. of records: 1713 • % since 2000: 48%
- **Caveats:** the northernmost record requires confirmation

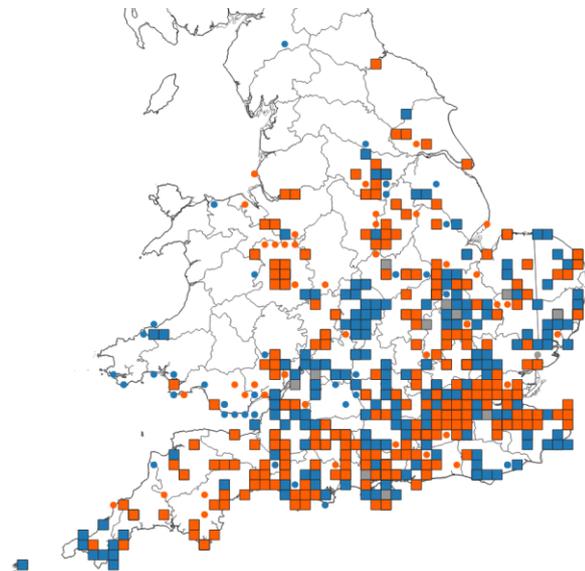


Family: Stratiomyidae

***Pachygaster leachii* Stephens in Curtis, 1824**

**Yellow-legged Black**

- ID difficulty: 2
- Flight period: late May to early Sep, peak in Jul
- GB threat: Least Concern
- widespread in south, becoming rarer in north
- trees and bushes, woodland edges and hedgerows
- No. of records: 1379 • % since 2000: 51%

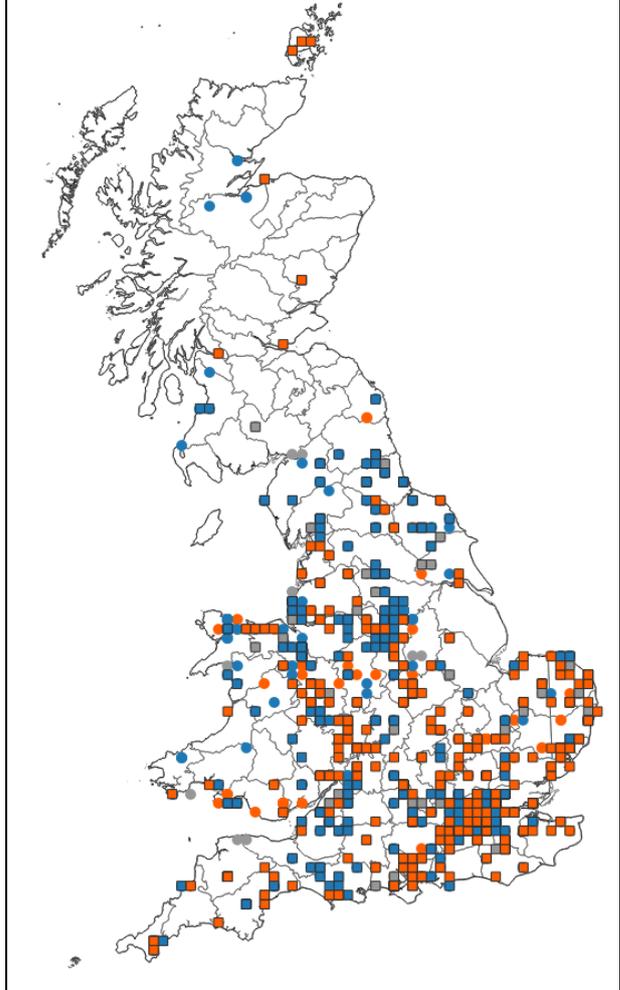


Family: Stratiomyidae

***Sargus bipunctatus* (Scopoli, 1763)**

**Twin-spot Centurion**

- ID difficulty: 2
- Flight period: early Jul to Nov, peak in Sep
- GB threat: Least Concern
- widespread in lowland Britain
- wood margins, hedgerows, gardens, cattle-grazed fields
- No. of records: 1015 • % since 2000: 45%

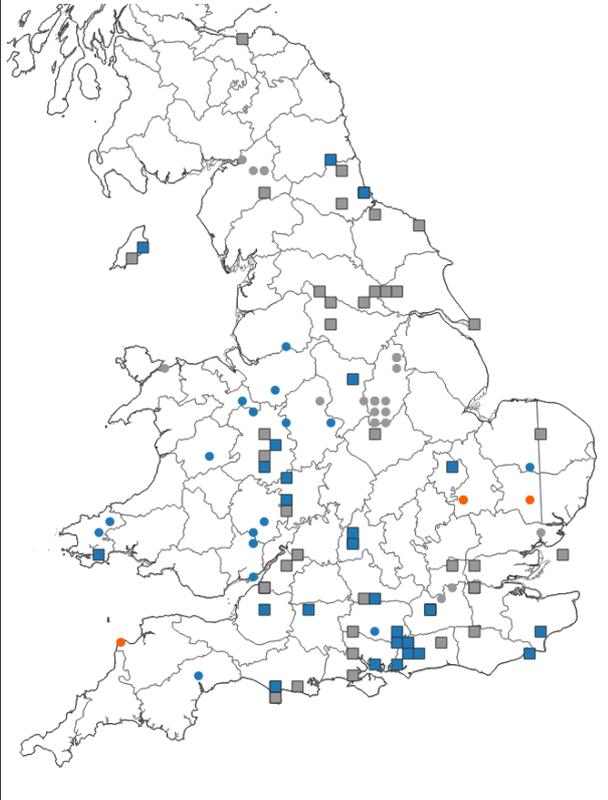


Family: Stratiomyidae

***Sargus cuprarius* (Linnaeus, 1758)**

**Clouded Centurion**

- ID difficulty: 4
- Flight period: early Jun to late Sep
- GB threat: Data Deficient • GB rarity: Nationally Rare
- Apparently widespread but few fully confirmed records
- grazing levels
- No. of records: 85 • % since 2000: 0%

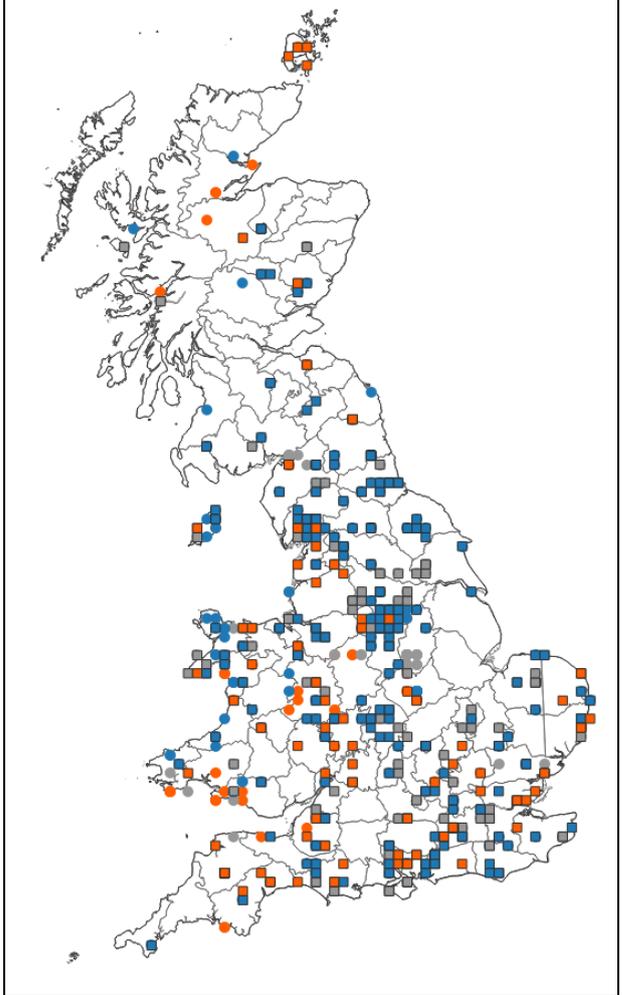


Family: Stratiomyidae

***Sargus flavipes* Meigen, 1822**

**Yellow-legged Centurion**

- ID difficulty: 3
- Flight period: mid May to mid Oct, peak Aug
- GB threat: Least Concern
- widespread
- wood margins, hedgerows, cattle-grazed fields
- No. of records: 539 • % since 2000: 22%

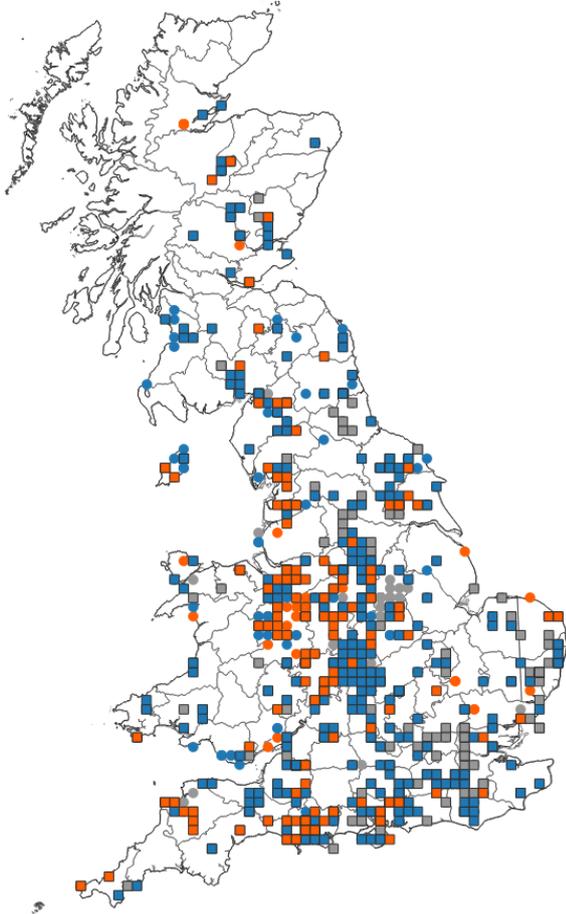


Family: Stratiomyidae

***Sargus iridatus* (Scopoli, 1763)**

**Iridescent Centurion**

- ID difficulty: 4
- Flight period: May to mid Sep, peak in mid Jun to mid Jul
- GB threat: Least Concern
- widespread in lowland Britain
- wood margins, hedgerows, cattle-grazed fields
- No. of records: 964 • % since 2000: 22%

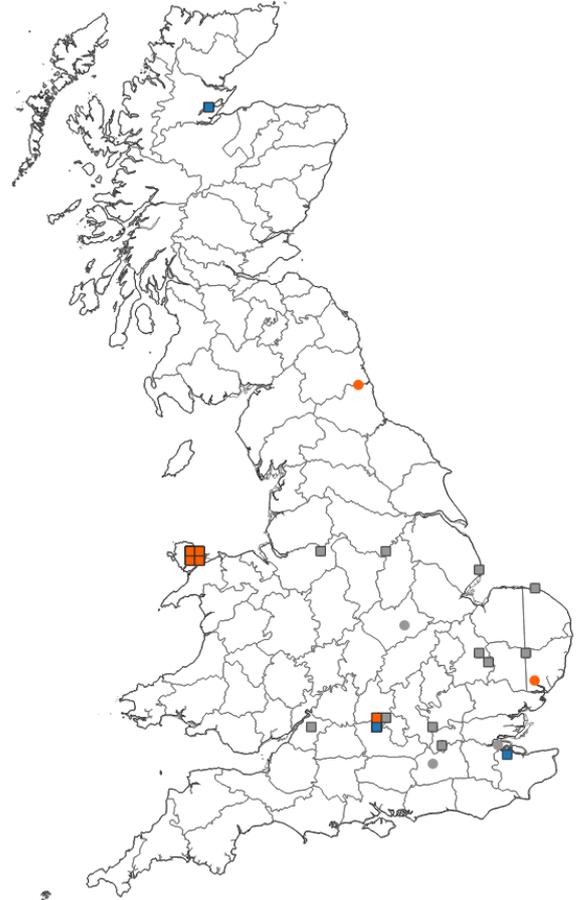


Family: Stratiomyidae

***Stratiomys chamaeleon* (Linnaeus, 1758)**

**Clubbed General**

- ID difficulty: 2
- Flight period: late Jun to early Sep, peak Jul and early Aug
- GB threat: Endangered • GB rarity: Nationally Rare
- known from just three areas, one each in England, Wales and Scotland (formerly more widespread)
- fen pools and seepages
- No. of records: 108 • % since 2000: 28%

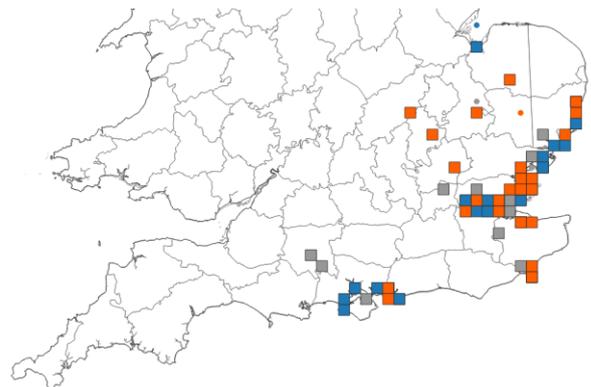


Family: Stratiomyidae

***Stratiomys longicornis* (Scopoli, 1763)**

**Long-horned General**

- ID difficulty: 2
- Flight period: late May to mid Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- coasts of south-east England, spreading inland
- brackish and salt marsh
- No. of records: 161 • % since 2000: 51%

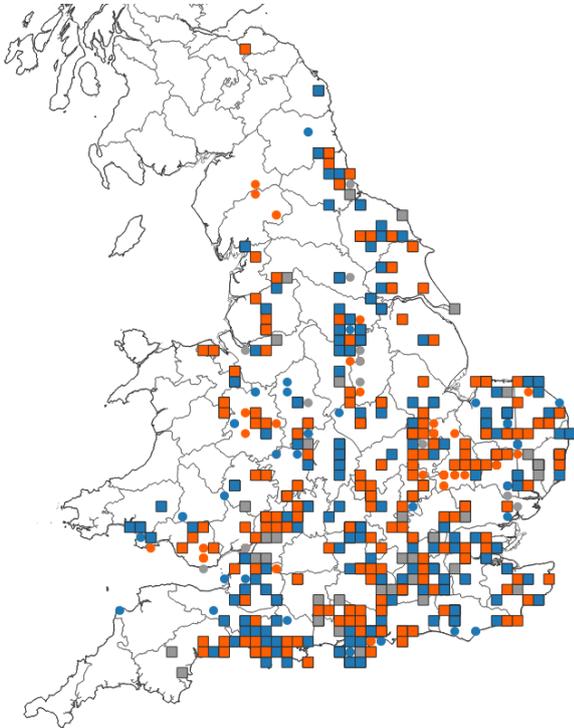


Family: Stratiomyidae

***Stratiomys potamida* Meigen, 1822**

**Banded General**

- ID difficulty: 2
- Flight period: late May to early Sep, peak late Jun and Jul
- GB threat: Least Concern
- widespread, scarcer in the north, not in Scotland
- wet meadows with ditches, streams, springs or seepages, pools and ponds, sometimes in carr or along lowland rivers
- No. of records: 847 • % since 2000: 36%

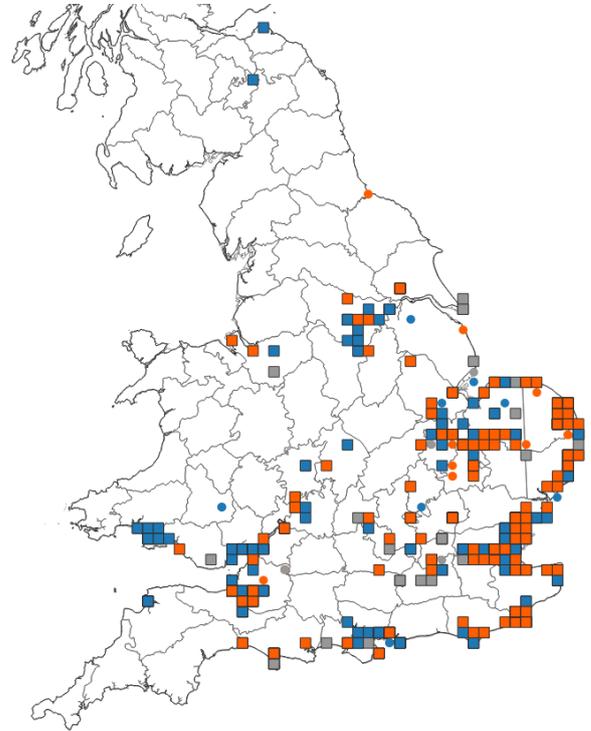


Family: Stratiomyidae

***Stratiomys singularior* (Harris, [1776])**

**Flecked General**

- ID difficulty: 2
- Flight period: late May to early Sep, peak in Jul
- GB threat: Least Concern
- largely coastal and southern, some inland records
- ditches on coastal marshes, brackish pools
- No. of records: 871 • % since 2000: 42%

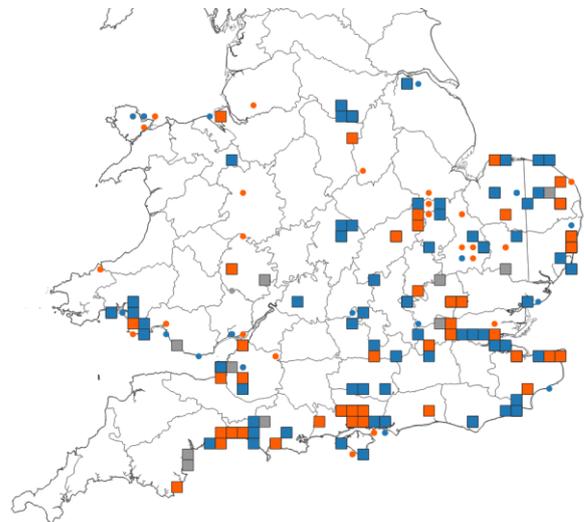


Family: Stratiomyidae

***Vanoyia tenuicornis* (Macquart, 1834)**

**Long-horned Soldier**

- ID difficulty: 3
- Flight period: late May to early Aug, peak mid Jun to mid Jul
- GB threat: Least Concern
- widespread in lowlands of southern Britain
- fens, wet meadows, seepages, dune slacks
- No. of records: 351 • % since 2000: 34%

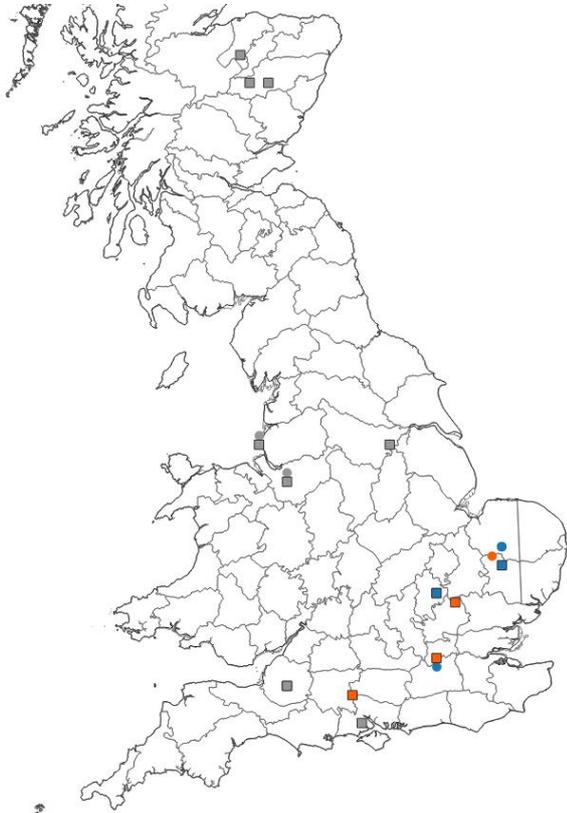


Family: Stratiomyidae

***Zabrachia tenella* (Jaennicke, 1866)**

**Pine Black**

- ID difficulty: 3
- Flight period: Jun to Jul
- GB threat: Endangered • GB rarity: Nationally Rare
- South-east England (formerly widespread in GB)
- pine woods (larvae under bark)
- No. of records: 17 • % since 2000: 18%



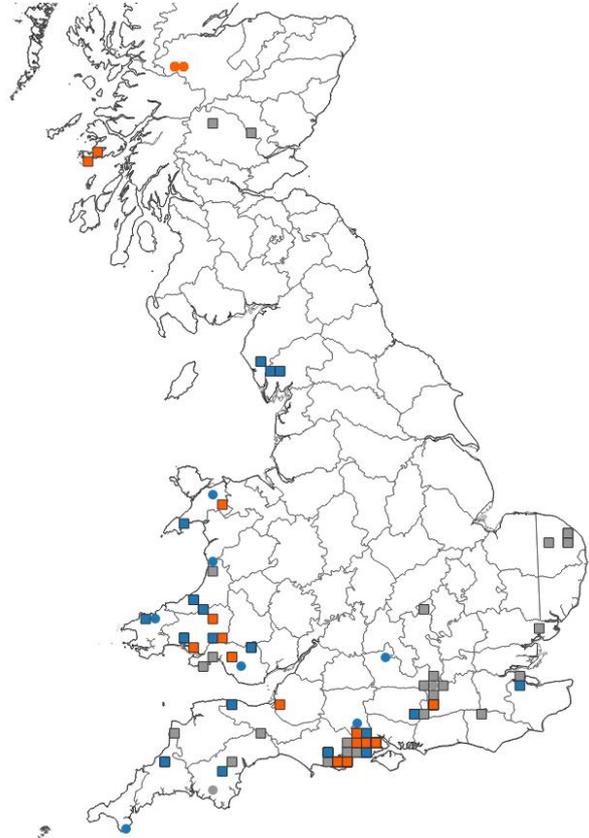
**Family: Tabanidae (horseflies)**

Family: Tabanidae

***Atylotus fulvus* (Meigen, 1804)**

**Golden Horsefly**

- ID difficulty: 3
- Flight period: mid Jun to mid Aug, peak in Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- local in southern England, rare further north
- heathland valley mires, hillside mires
- No. of records: 205 • % since 2000: 18%

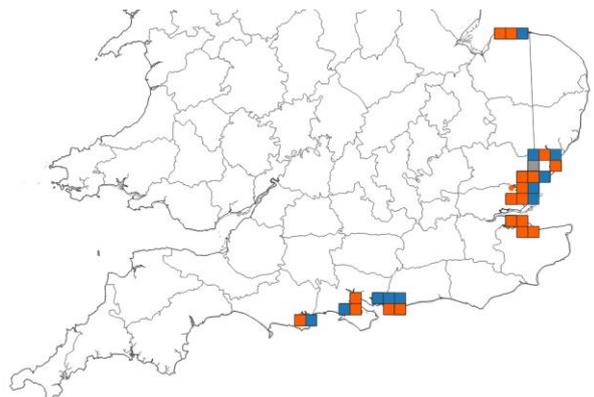


Family: Tabanidae

***Atylotus latistriatus* Brauer in Brauer & von Bergenstamm, 1880**

**Saltmarsh Horsefly**

- ID difficulty: 3
- Flight period: late Jun to Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- south-east coasts
- saltmarsh
- No. of records: 167 • % since 2000: 33%

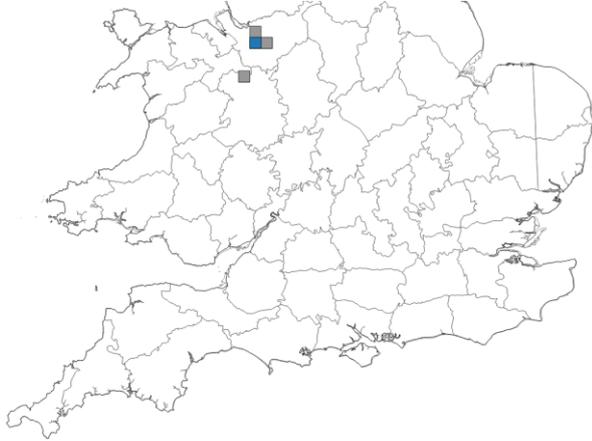


Family: Tabanidae

***Atylotus plebeius* (Fallén, 1817)**

**Cheshire Horsefly**

- ID difficulty: 4
- Flight period: mid Jun to late Jul
- GB threat: Endangered • GB rarity: Nationally Rare
- Shropshire/Cheshire
- Shropshire/Cheshire mosses
- No. of records: 12 • % since 2000: 0%

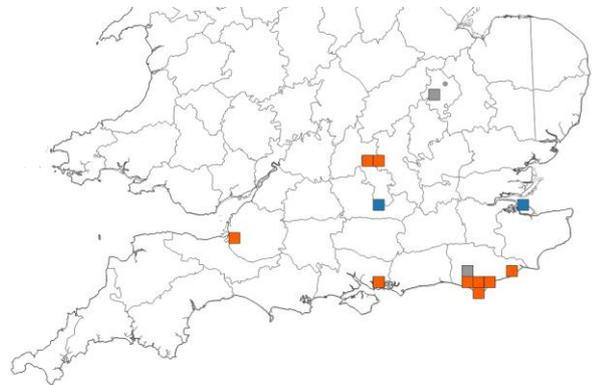


Family: Tabanidae

***Atylotus rusticus* (Linnaeus, 1767)**

**Four-lined Horsefly**

- ID difficulty: 3
- Flight period: Jun to Jul
- GB threat: Least Concern • GB rarity: Nationally Rare
- Sussex/South Hants/Oxon/Bucks/Somerset
- Sussex levels, Oxon/Bucks grazing marshes
- No. of records: 38 • % since 2000: 71%

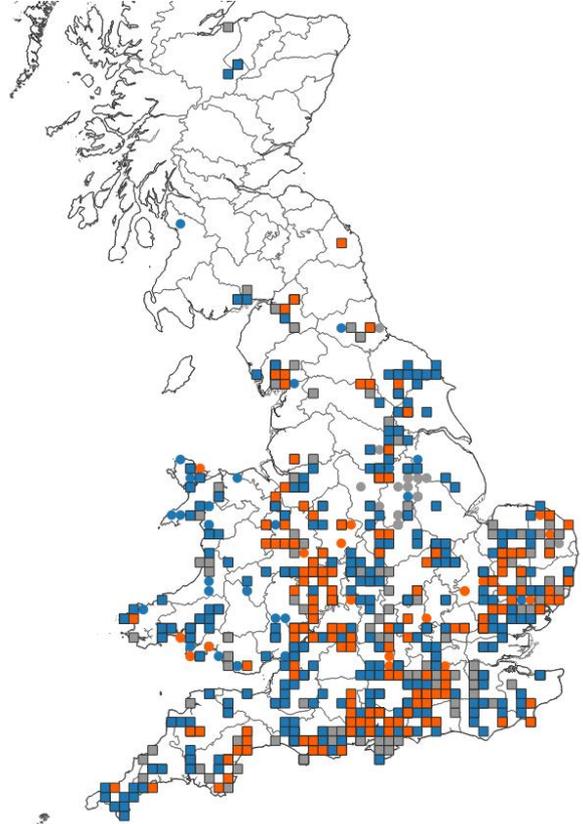


Family: Tabanidae

***Chrysops caecutiens* (Linnaeus, 1758)**

**Splayed Deerfly**

- ID difficulty: 2
- Flight period: mid May to mid Sep, peak late Jun and Jul
- GB threat: Least Concern
- widespread in south, scarce in north
- wet woods, shaded bogs, fens and marshes
- No. of records: 1267 • % since 2000: 26%

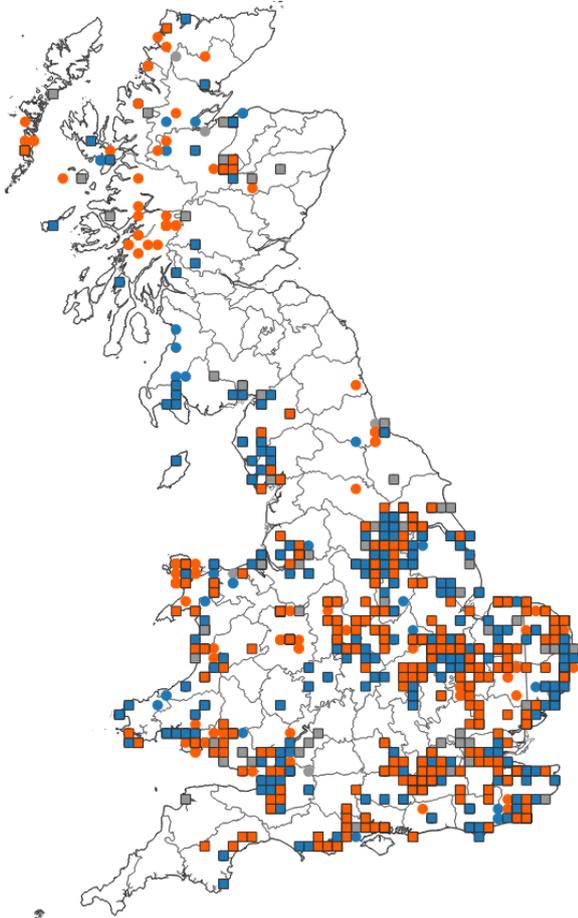


Family: Tabanidae

***Chrysops relictus* Meigen, 1820**

**Twin-lobed Deerfly**

- ID difficulty: 3
- Flight period: mid May to mid Oct, peak late Jun and Jul
- GB threat: Least Concern
- widespread in south, scarce in north
- wet alluvial meadows, other damp habitats
- No. of records: 1594 • % since 2000: 39%

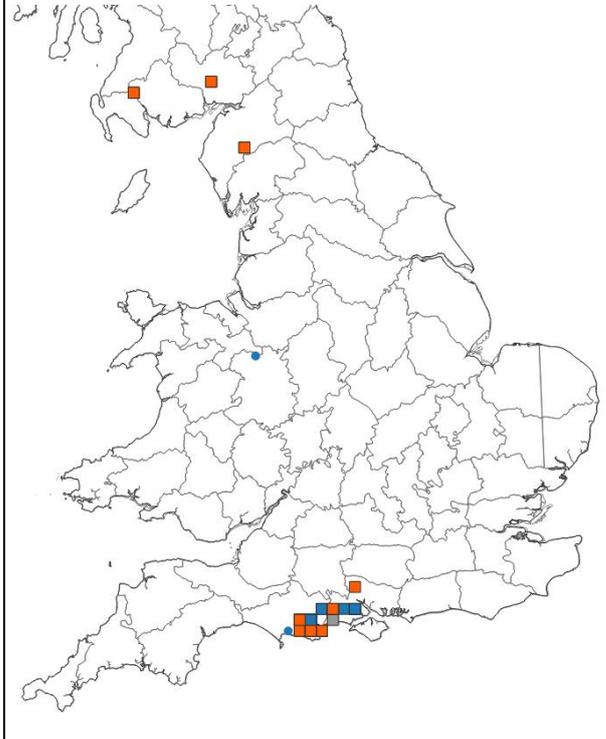


Family: Tabanidae

***Chrysops sepulcralis* (Fabricius, 1794)**

**Black Deerfly**

- ID difficulty: 4
- Flight period: early Jul to late Aug, peak in Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- scattered; New Forest, Cumbria, Scotland
- bog pools with Sphagnum
- No. of records: 83 • % since 2000: 27%
- **Caveats:** a Devon record (Stubbs and Drake 2014) is not mapped

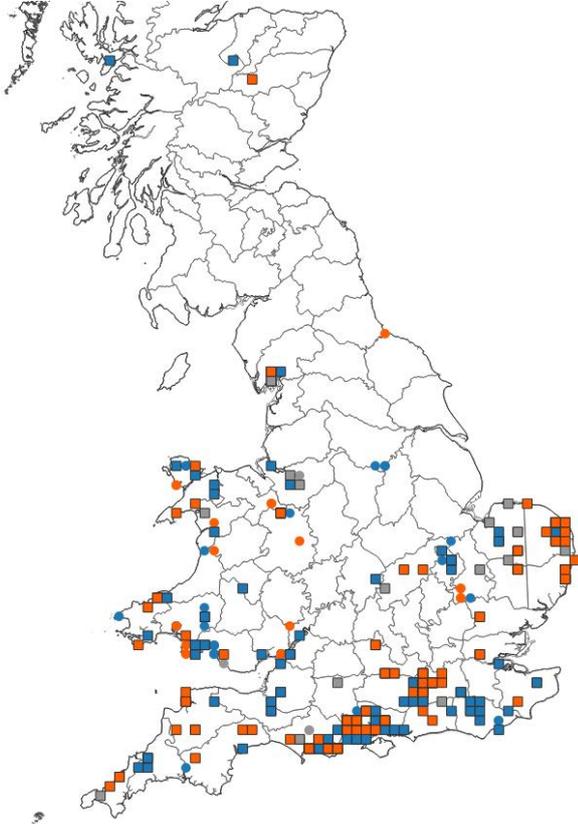


Family: Tabanidae

***Chrysops viduatus* (Fabricius, 1794)**

**Square-spot Deerfly**

- ID difficulty: 3
- Flight period: late May to Sep, peak in Jul
- GB threat: Least Concern
- widespread in south, scarce in north
- wet grassland, mires, water margins, wet woods
- No. of records: 461 • % since 2000: 34%

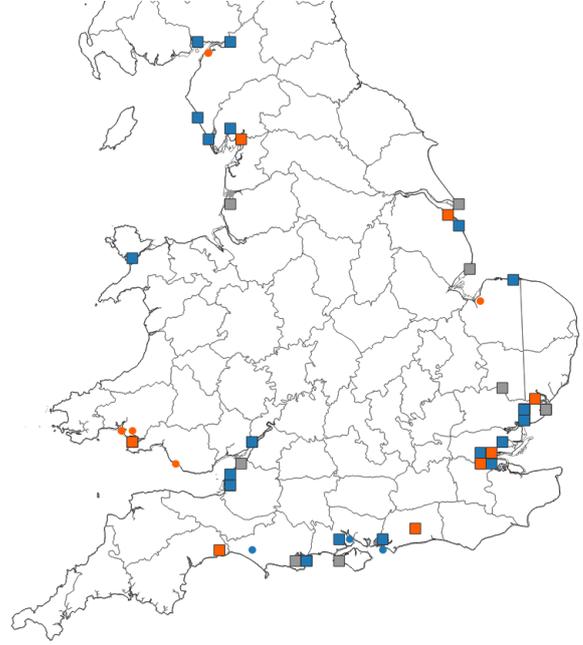


Family: Tabanidae

***Haematopota bigoti* Gobert, 1880**

**Big-spotted Cleg**

- ID difficulty: 3
- Flight period: early Jul to Aug, peak in Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- coastal, more frequent in south
- coastal marshes
- No. of records: 76 • % since 2000: 24%

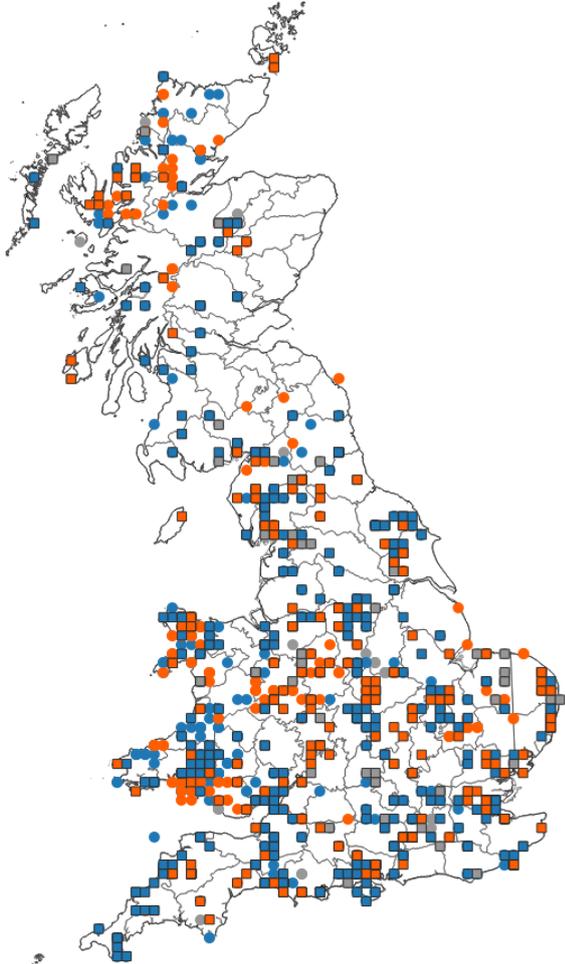


Family: Tabanidae

***Haematopota crassicornis* Wahlberg, 1848**

**Black-horned Cleg**

- ID difficulty: 3
- Flight period: mid May to early Sep, peak in late Jun and Jul
- GB threat: Least Concern
- widespread, less common in south
- uplands, lowland grazing levels, open habitats
- No. of records: 850 • % since 2000: 33%

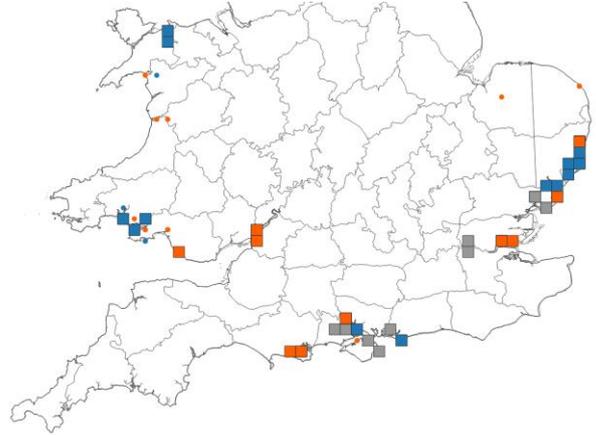


Family: Tabanidae

***Haematopota grandis* Meigen, 1820**

**Long-horned Cleg**

- ID difficulty: 3
- Flight period: late Jun to Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- mainly coastal, mostly south-east plus Wales, Surrey
- saltmarsh, carr adjoining saltmarsh
- No. of records: 79 • % since 2000: 25%
- **Caveats:** a recent Surrey record (J. Early pers comm) is not yet mapped

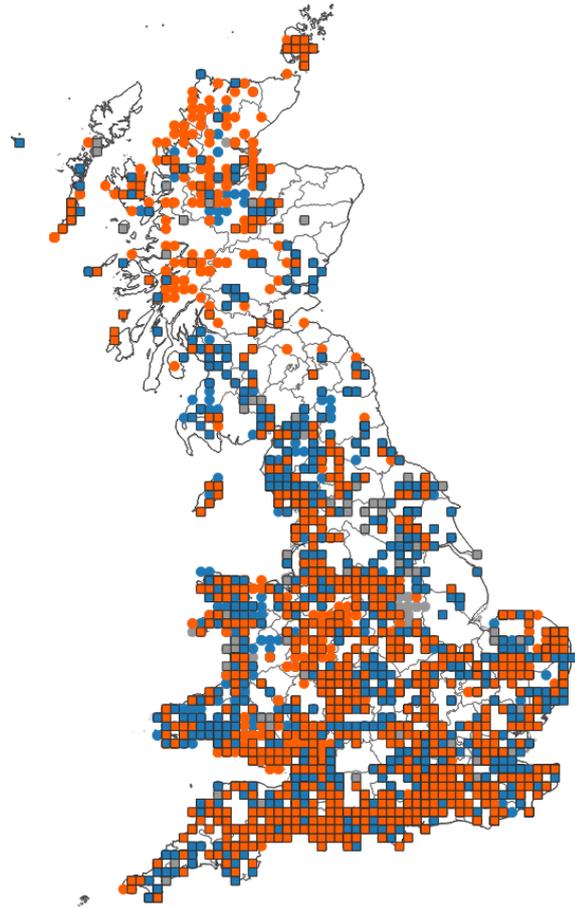


Family: Tabanidae

***Haematopota pluvialis* (Linnaeus, 1758)**

**Notch-horned Cleg**

- ID difficulty: 3
- Flight period: May to Oct
- GB threat: Least Concern
- widespread
- various habitats
- No. of records: 4859 • % since 2000: 47%

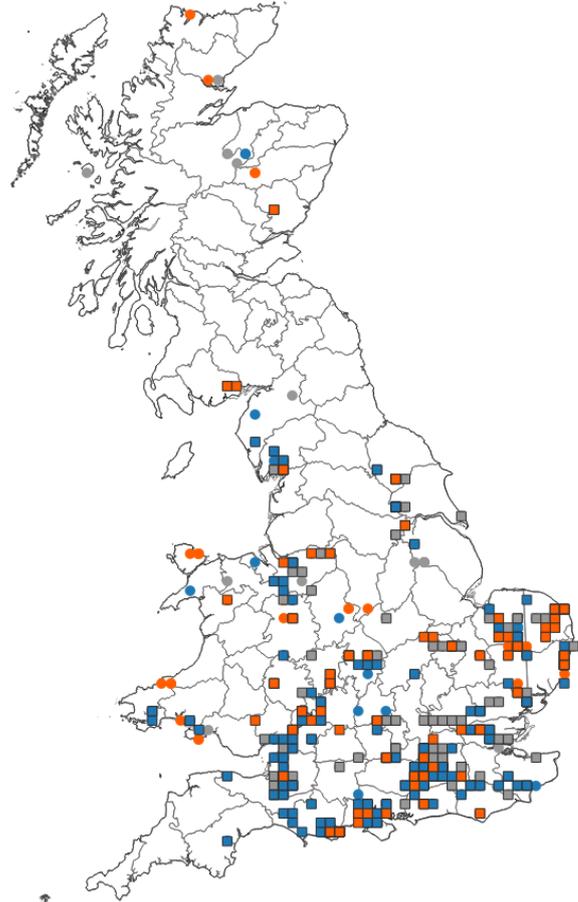


Family: Tabanidae

***Hybomitra bimaculata* (Macquart, 1826)**

**Hairy-legged Horsefly**

- ID difficulty: 3
- Flight period: May to Aug, peak Jun to mid Jul
- GB threat: Least Concern
- scattered, mostly southern but north to Scotland
- lowland woods on boggy heaths, fens and marshy grassland near woods
- No. of records: 618 • % since 2000: 22%



Family: Tabanidae

***Haematopota subcylindrica* Pandellé, 1883**

**Levels Cleg**

- ID difficulty: 3
- Flight period: late Jun to late Jul
- GB threat: Least Concern • GB rarity: Nationally Rare
- south-east coast (first recorded 1987)
- grazing levels
- No. of records: 19 • % since 2000: 53%



Family: Tabanidae

***Hybomitra ciureai* (Séguy, 1937)**

**Levels Yellow-horned Horsefly**

- ID difficulty: 3
- Flight period: mid Jun to mid Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- coastal, south-east, south Wales
- grazing levels, freshwater ditches
- No. of records: 83 • % since 2000: 34%

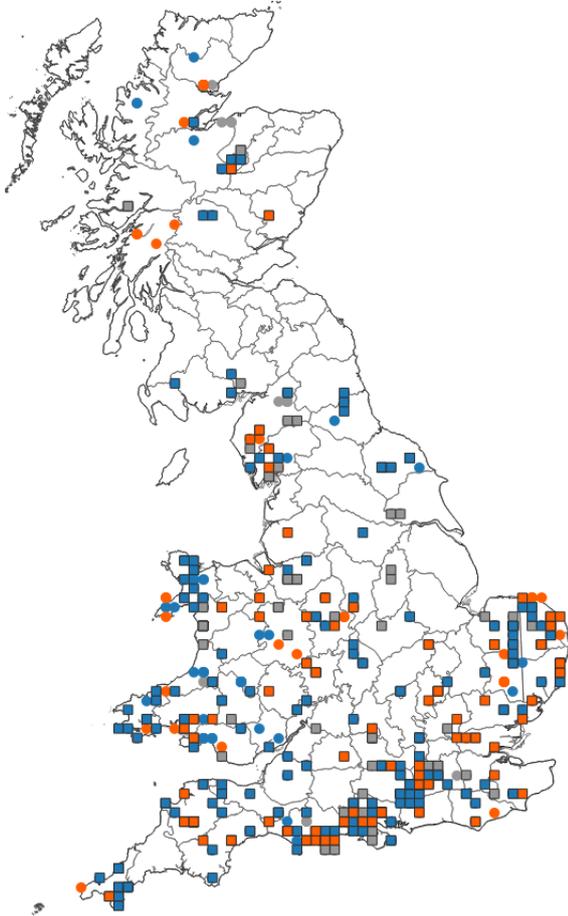


Family: Tabanidae

***Hybomitra distinguenda* (Verrall, 1909)**

**Bright Horsefly**

- ID difficulty: 4
- Flight period: early Jun to Sep, peak in late Jun to mid Jul
- GB threat: Least Concern
- widespread, scarcer in north
- wet meadows and pastures, wet woods, heaths and bogs
- No. of records: 589 • % since 2000: 26%



Family: Tabanidae

***Hybomitra expollicata* (Pandellé, 1883)**

**Striped Horsefly**

- ID difficulty: 4
- Flight period: early Jul to early Aug
- GB threat: Near Threatened • GB rarity: Nationally Rare
- coastal, south-east
- brackish marshes
- No. of records: 51 • % since 2000: 27%

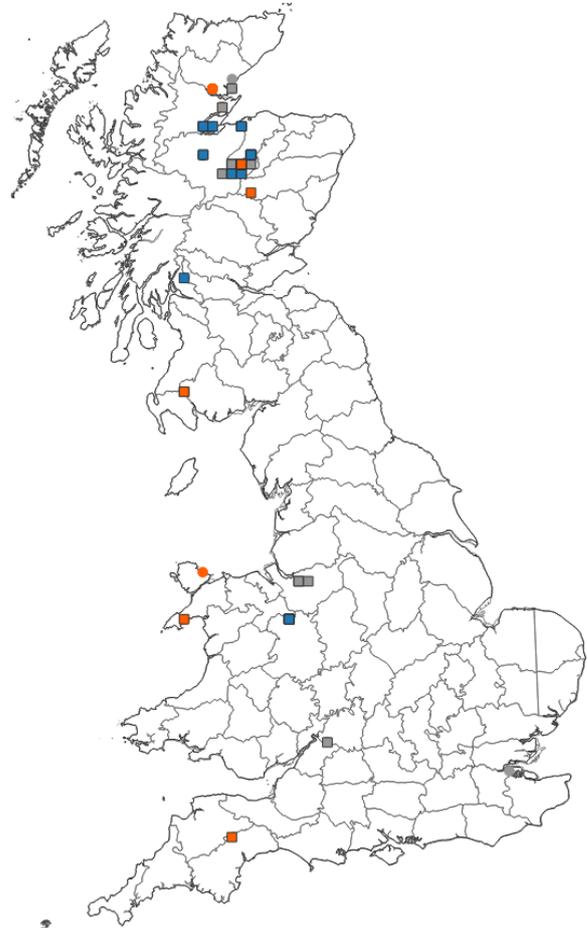


Family: Tabanidae

***Hybomitra lurida* (Fallén, 1817)**

**Broad-headed Horsefly**

- ID difficulty: 4
- Flight period: May to late Jul, peak in early Jun
- GB threat: Vulnerable • GB rarity: Nationally Rare
- Scotland, north Wales, Cumbria, Shropshire/Cheshire
- mires, Shropshire/Cheshire mosses
- No. of records: 63 • % since 2000: 11%
- **Caveats:** records outside the above counties require confirmation

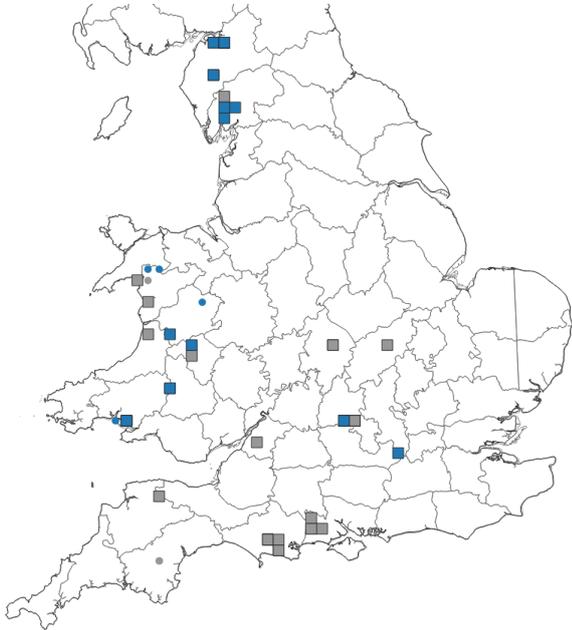


Family: Tabanidae

***Hybomitra micans* (Meigen, 1804)**

**Black-legged Horsefly**

- ID difficulty: 3
- Flight period: mid May to Jun, peak in mid Jun
- GB threat: Vulnerable • GB rarity: Nationally Rare
- scattered in England and Wales, an old record for Scotland
- wet grassland next to woodland
- No. of records: 57 • % since 2000: 0%

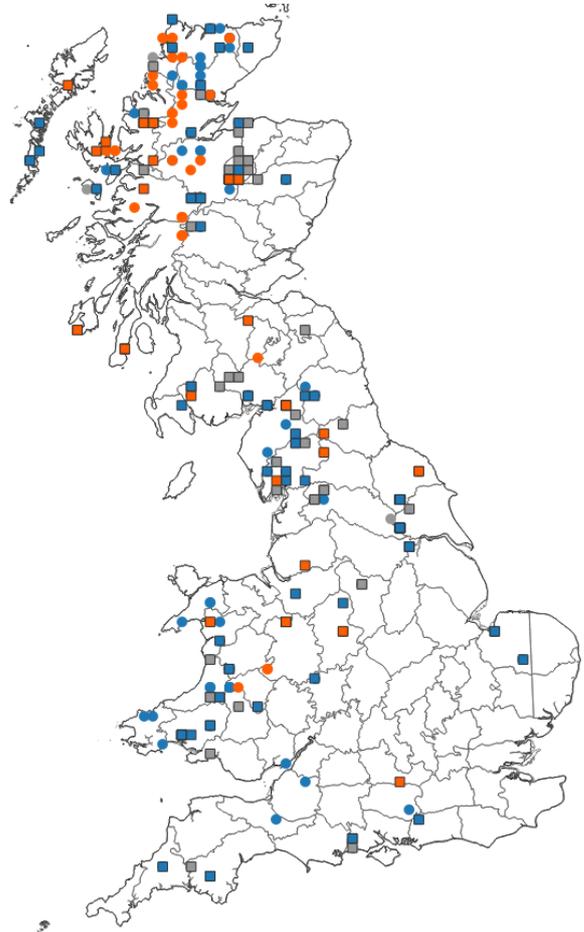


Family: Tabanidae

***Hybomitra montana* (Meigen, 1820)**

**Slender-horned Horsefly**

- ID difficulty: 4
- Flight period: May to Aug, peak Jul
- GB threat: Least Concern
- Scotland, Wales, northern England, New Forest, Sussex
- bogs, mires, wet heaths
- No. of records: 205 • % since 2000: 17%
- **Caveats:** some records, especially in the south, require confirmation

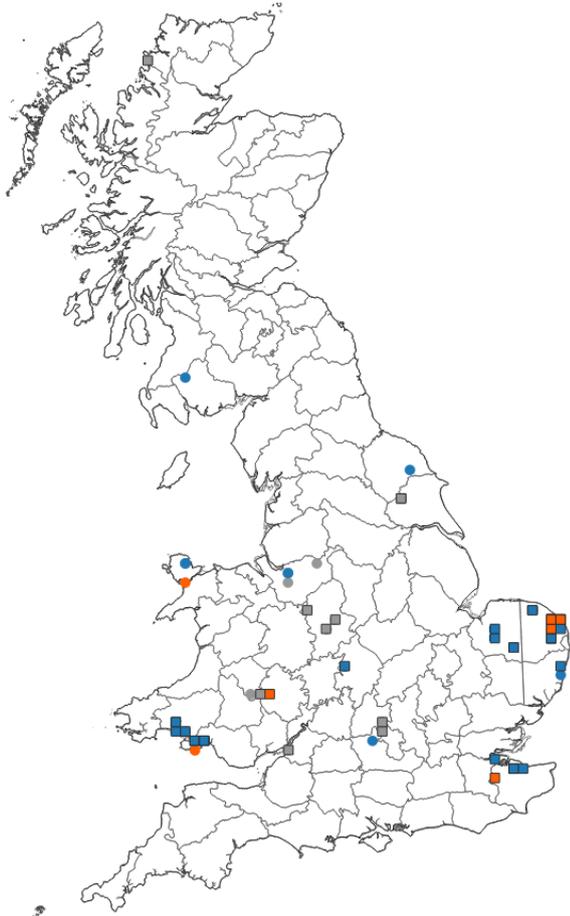


Family: Tabanidae

***Hybomitra muehlfeldi* (Brauer in Brauer & von Bergenstamm, 1880)**

**Broadland Horsefly**

- ID difficulty: 4
- Flight period: Jun to Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- Norfolk, Wales, many unconfirmed records from elsewhere
- fens, in conjunction with pingos and bogs
- No. of records: 87 • % since 2000: 24%
- **Caveats:** many records require confirmation



Family: Tabanidae

***Hybomitra solstitialis* (Meigen, 1820)**

**Scarce Forest Horsefly**

- ID difficulty: 4
- Flight period: Jun to Jul
- GB threat: Endangered • GB rarity: Nationally Rare
- New Forest, Oxfordshire
- mires and fens
- No. of records: 15 • % since 2000: 0%
- **Caveats:** with the exception of the New Forest records, it is likely that all the dots on this map are erroneous; records from New Forest in 2008 and near Oxford in 2011 are not yet mapped

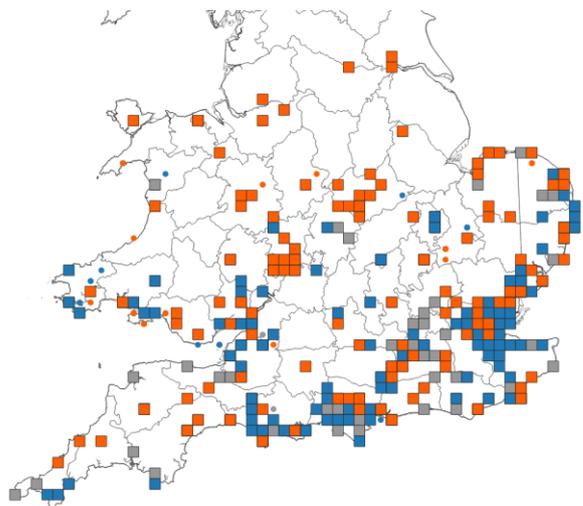


Family: Tabanidae

***Tabanus autumnalis* Linnaeus, 1761**

**Large Marsh Horsefly**

- ID difficulty: 3
- Flight period: mid May to Sep, peak in late Jun to Jul
- GB threat: Least Concern
- widespread in south, more frequent near coast
- coastal levels, inland grazing marsh
- No. of records: 684 • % since 2000: 37%

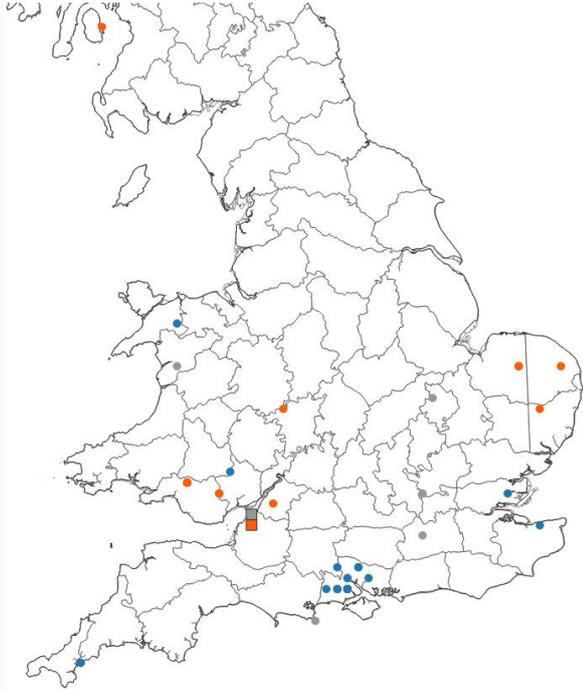


Family: Tabanidae

***Tabanus bovinus* Linnaeus, 1758**

**Pale Giant Horsefly**

- ID difficulty: 5
- Flight period: Jun to ?Aug
- GB threat: Endangered • GB rarity: Nationally Rare
- New Forest, Somerset
- grazing marsh ditches
- No. of records: 2 • % since 2000: 50%
- **Caveats:** with the exception of some of the New Forest records and those near Bristol it is likely that all the dots on this map are erroneous

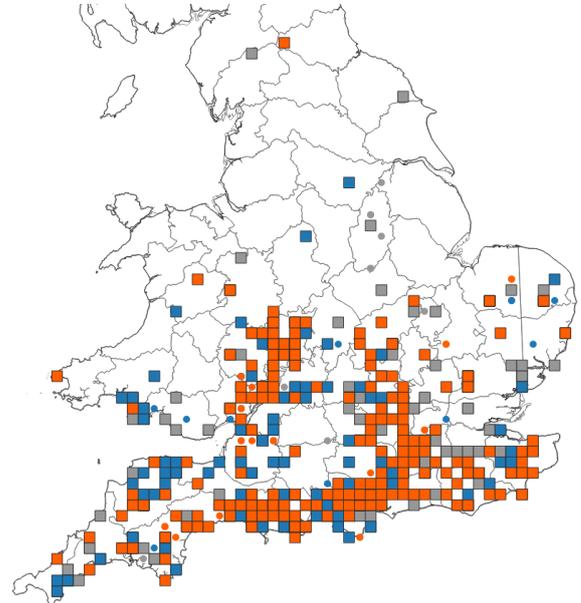


Family: Tabanidae

***Tabanus bromius* Linnaeus, 1758**

**Band-eyed Brown Horsefly**

- ID difficulty: 3
- Flight period: late May to Aug, peak Jun and Jul
- GB threat: Least Concern
- southern England and Wales
- woodland (formerly more widespread in meadows)
- No. of records: 1096 • % since 2000: 53%

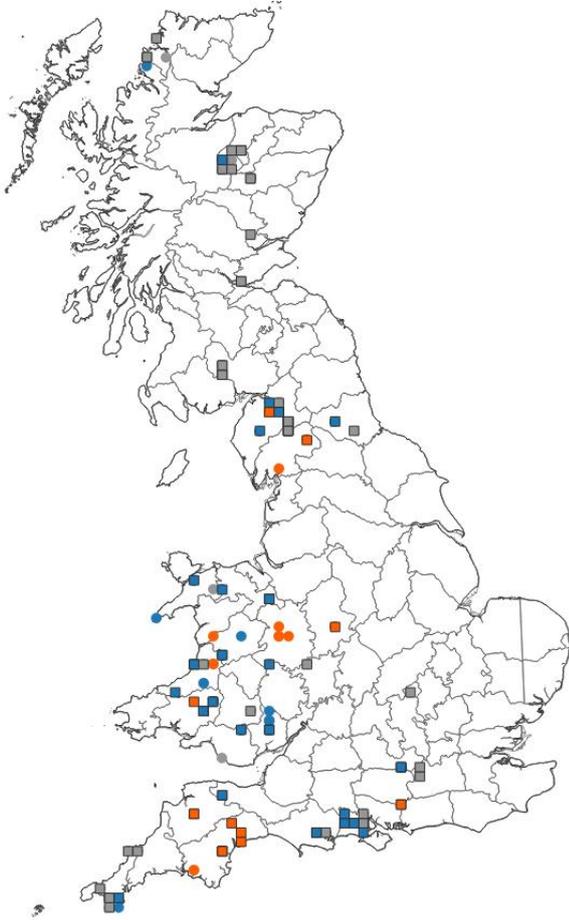


Family: Tabanidae

***Tabanus cordiger* Meigen, 1820**

**Plain-eyed Grey Horsefly**

- ID difficulty: 4
- Flight period: early Jun to late Aug, peak in Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- New Forest, scattered elsewhere in west and north
- woodland, streams, river shingle
- No. of records: 139 • % since 2000: 10%

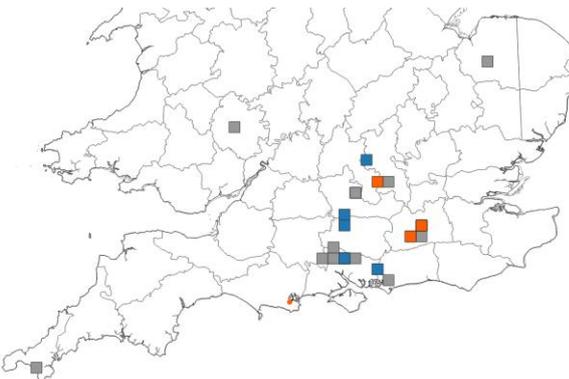


Family: Tabanidae

***Tabanus glaucopsis* Meigen, 1820**

**Downland Horsefly**

- ID difficulty: 3
- Flight period: Jul to Sep, peak early Aug
- GB threat: Endangered • GB rarity: Nationally Rare
- Surrey, Hampshire, Oxon (formerly more widespread)
- chalk grassland with scrub and woodland
- No. of records: 51 • % since 2000: 12%

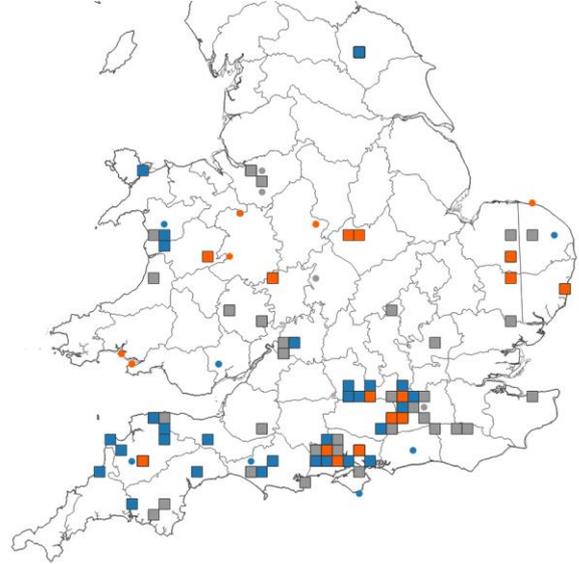


Family: Tabanidae

***Tabanus maculicornis* Zetterstedt, 1842**

**Narrow-winged Horsefly**

- ID difficulty: 3
- Flight period: mid May to mid Jul, peak in late Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- England, mostly south (New Forest), Wales
- woodland with streams, seepages and marsh
- No. of records: 193 • % since 2000: 22%

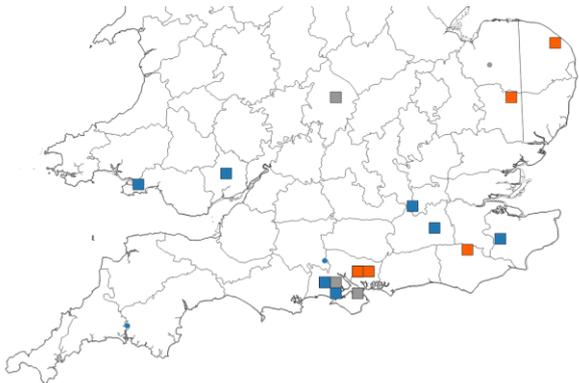


Family: Tabanidae

***Tabanus miki* Brauer in Brauer & von Bergenstamm, 1880**

**Plain-eyed Brown Horsefly**

- ID difficulty: 4
- Flight period: mid Jun to early Aug
- GB threat: Near Threatened • GB rarity: Nationally Rare
- New Forest, plus Norfolk, Northants, Surrey, Glamorgan, Monmouthshire
- wet woodland
- No. of records: 29 • % since 2000: 34%
- **Caveats:** some of these records require confirmation

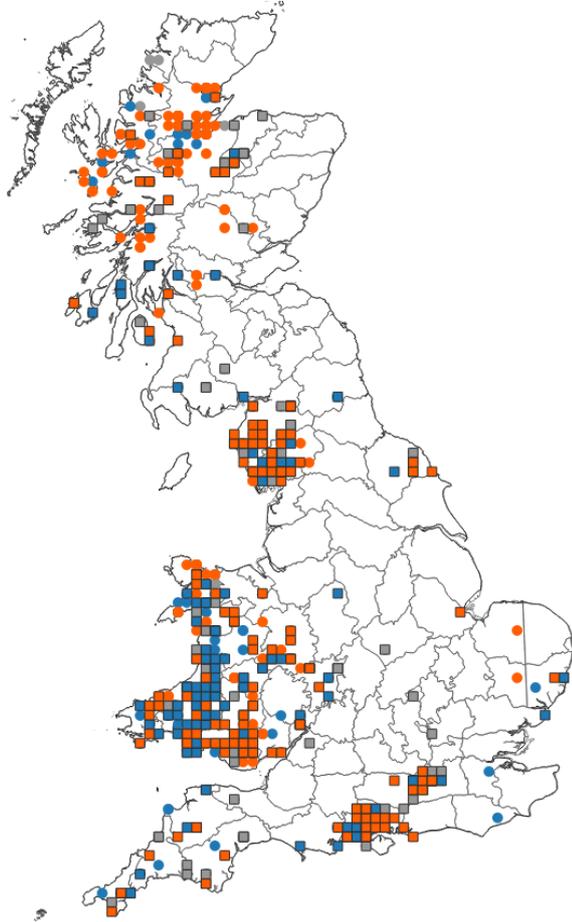


Family: Tabanidae

***Tabanus sudeticus* Zeller, 1842**

**Dark Giant Horsefly**

- ID difficulty: 4
- Flight period: mid Jun to mid Sep, peak in Jul
- GB threat: Least Concern
- mainly western and northern
- wet heathland and moorland
- No. of records: 568 • % since 2000: 36%



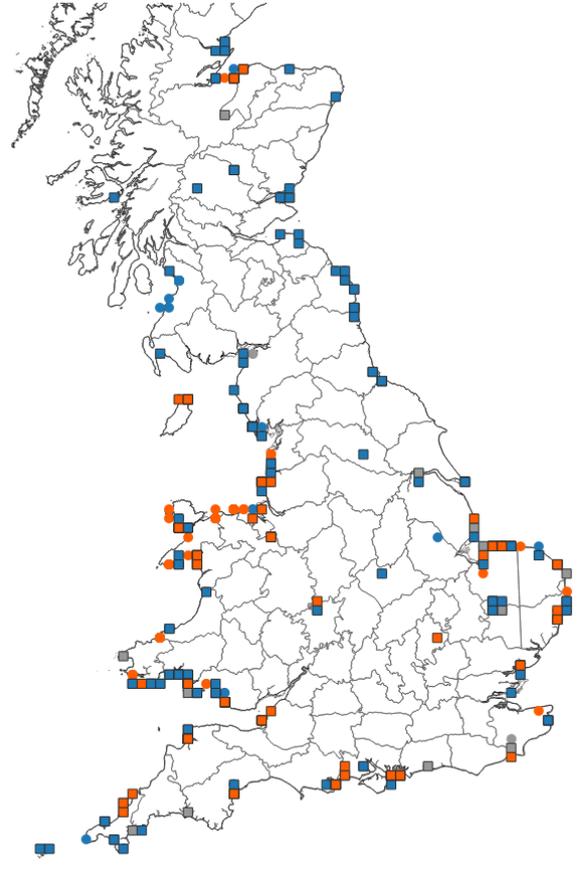
**Family: Therevidae (stiletto-flies)**

Family: Therevidae

***Acrosathe annulata* (Fabricius, 1805)**

**Coastal Silver-stiletto**

- ID difficulty: 3
- Flight period: early May to late Aug
- GB threat: Least Concern
- widespread on coastal dunes around the country
- coastal dunes, some inland sandy areas
- No. of records: 383 • % since 2000: 18%

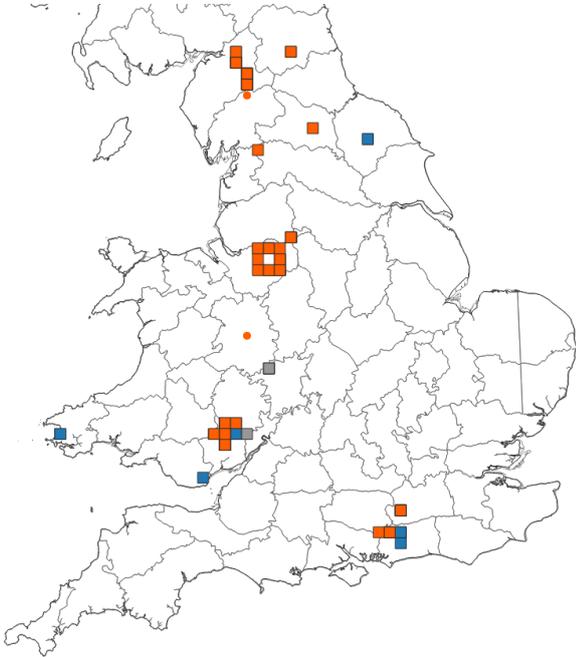


Family: Therevidae

***Clorismia rustica* (Panzer, [1804])**

**Southern Silver-stiletto**

- ID difficulty: 3
- Flight period: late Jun to mid Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- southern and midland England
- lowland rivers in sandy districts
- No. of records: 127 • % since 2000: 54%

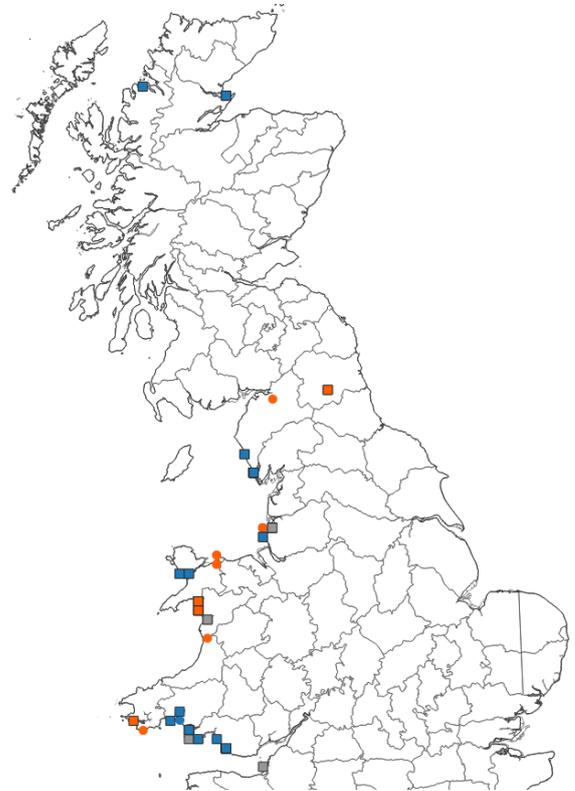


Family: Therevidae

***Dialineura anilis* (Linnaeus, 1761)**

**Swollen Silver-stiletto**

- ID difficulty: 3
- Flight period: May to Jul, peak in late Jun to early Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- coastal
- dunes
- No. of records: 89 • % since 2000: 11%



Family: Therevidae

***Pandivirilia melaleuca* (Loew, 1847)**

**Forest Silver-stiletto**

- ID difficulty: 3
- Flight period: May to Jul
- GB threat: Near Threatened • GB rarity: Nationally Rare
- central England, mostly Thames valley and Gloucs-Worcs
- old trees, often in ancient parkland
- No. of records: 14 • % since 2000: 43%

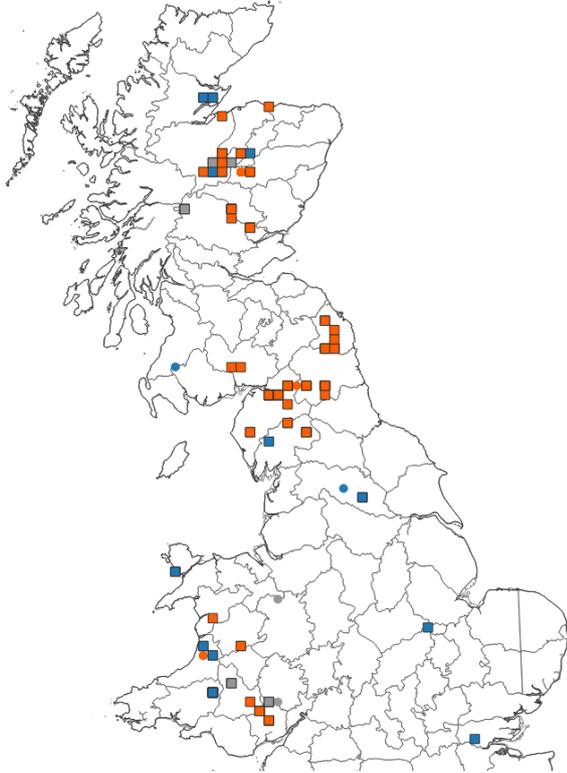


Family: Therevidae

***Spiriverpa lunulata* (Zetterstedt, [1838])**

**Northern Silver-stiletto**

- ID difficulty: 3
- Flight period: late May to mid Aug, peak Jun
- GB threat: Least Concern • GB rarity: Nationally Scarce
- Scotland, northern England and Wales
- sandy alluvium alongside rivers
- No. of records: 225 • % since 2000: 38%

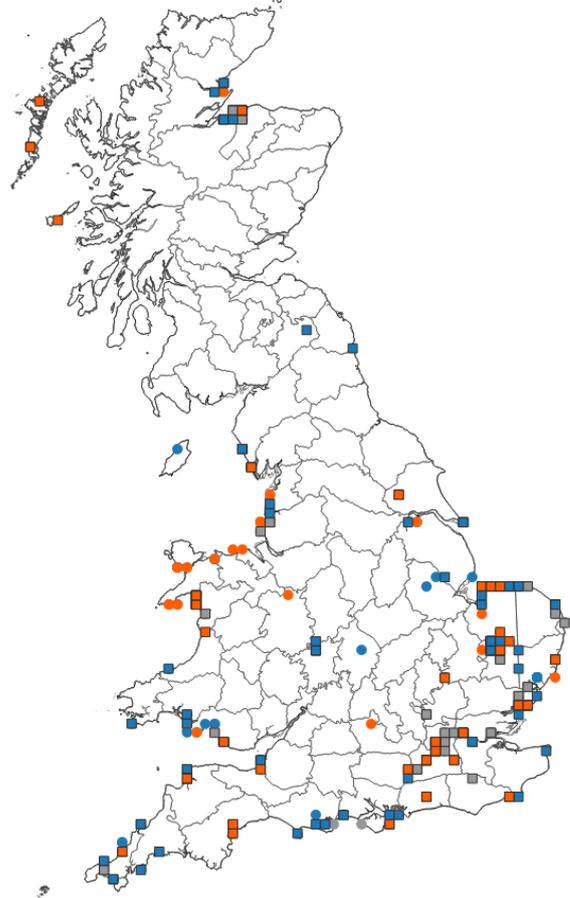


Family: Therevidae

***Thereva bipunctata* Meigen, 1820**

**Twin-spot Stiletto**

- ID difficulty: 3
- Flight period: late May to early Sep, peak in mid Jun to early Aug
- GB threat: Least Concern
- widespread on coast, occasionally inland
- coastal dunes, sandy soils inland
- No. of records: 288 • % since 2000: 30%



Family: Therevidae

***Thereva cinifera* Meigen, 1830**

**Large Plain Stiletto**

- ID difficulty: 4
- Flight period: Jul
- GB threat: Near Threatened • GB rarity: Nationally Rare
- Wales, Sussex, Kent
- dunes, sandy soils at river edges, shingle
- No. of records: 9 • % since 2000: 89%
- **Caveats:** the Sussex record (Drake 2017) is not yet mapped

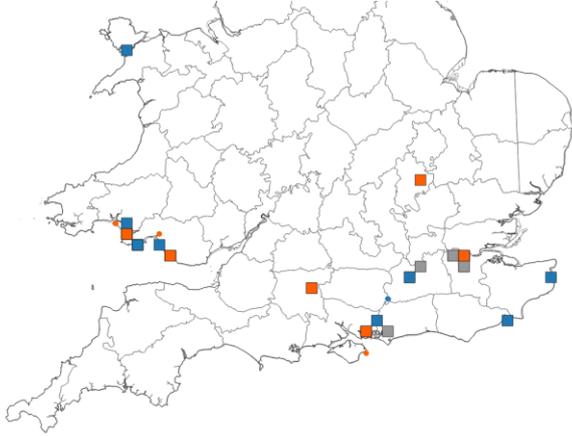


Family: Therevidae

***Thereva fulva* (Meigen, 1804)**

**Small Plain Stiletto**

- ID difficulty: 4
- Flight period: mid Jun to Jul
- GB threat: Near Threatened • GB rarity: Nationally Rare
- southern England and Wales
- usually on sandy soils, once on calcareous grassland
- No. of records: 55 • % since 2000: 29%

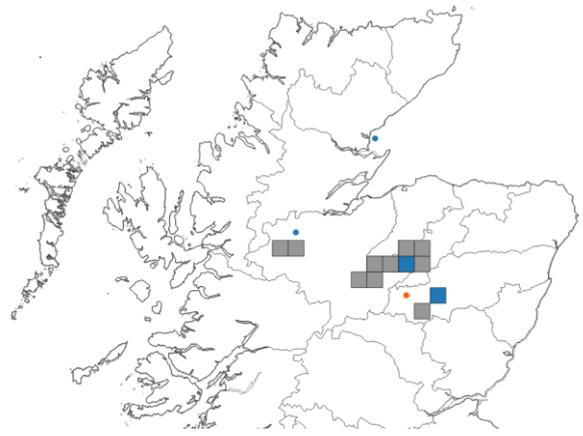


Family: Therevidae

***Thereva inornata* Verrall, 1909**

**Light Scottish Stiletto**

- ID difficulty: 4
- Flight period: mid Jun to early Sep, peak Jul
- GB threat: Endangered • GB rarity: Nationally Rare
- Scotland (mostly Highlands)
- sandy soils
- No. of records: 27 • % since 2000: 0%

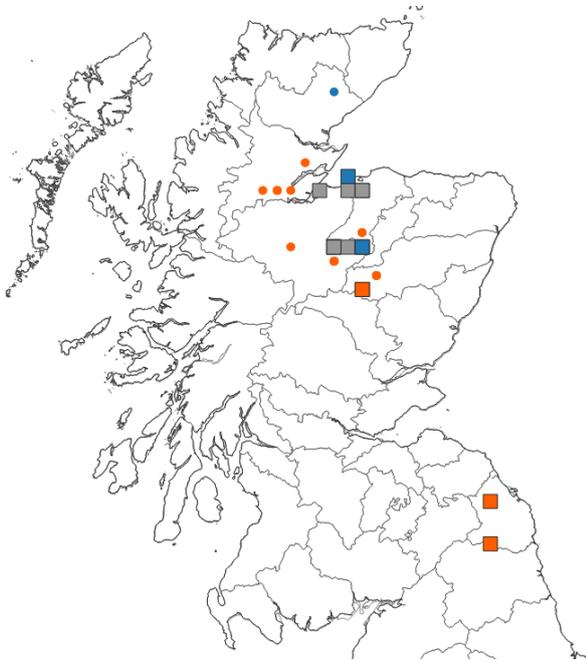


Family: Therevidae

***Thereva handlirschi* Kröber, 1912**

**Golden Scottish Stiletto**

- ID difficulty: 4
- Flight period: late Jun to early Sep, peak early Aug
- GB threat: Least Concern • GB rarity: Nationally Scarce
- Scotland (Highlands)
- sandy soils at woodland edges
- No. of records: 24 • % since 2000: 21%

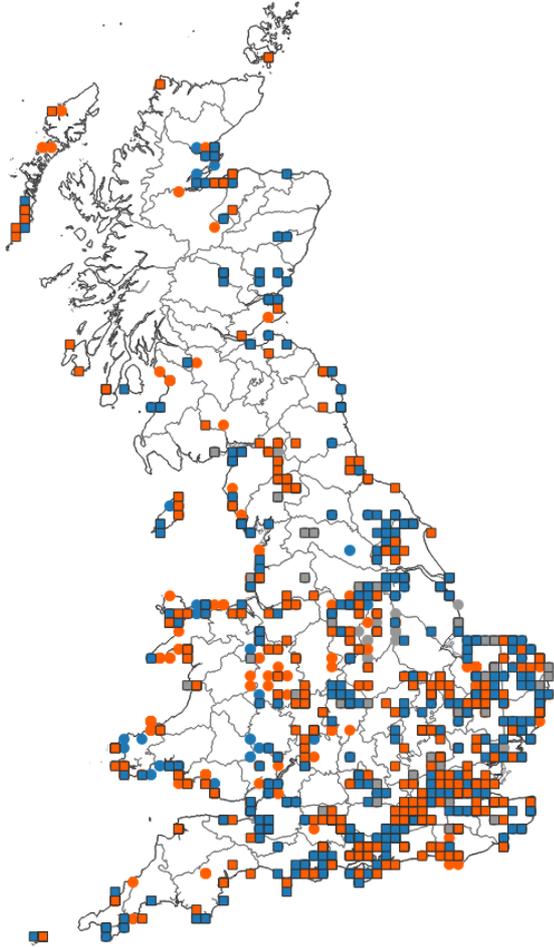


Family: Therevidae

***Thereva nobilitata* (Fabricius, 1775)**

**Common Stiletto**

- ID difficulty: 3
- Flight period: May to early Sep, peak in mid Jun to mid Jul
- GB threat: Least Concern
- widespread
- scrub, hedges, rough vegetation
- No. of records: 1495 • % since 2000: 36%

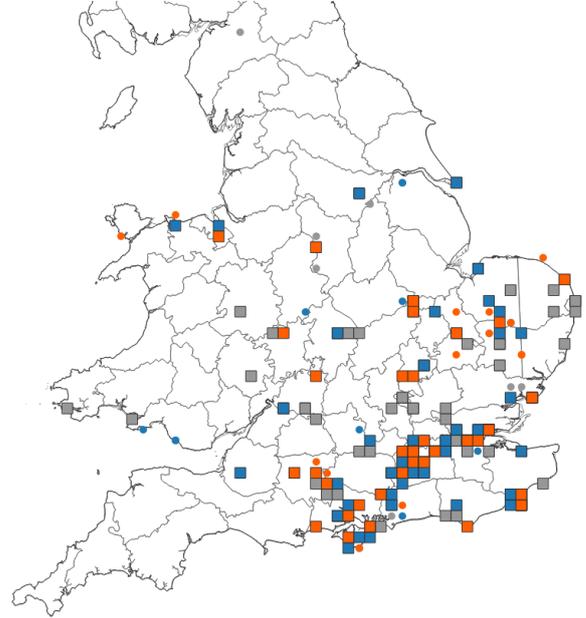


Family: Therevidae

***Thereva plebeja* (Linnaeus, 1758)**

**Crochet-hooked Stiletto**

- ID difficulty: 4
- Flight period: late Apr to late Aug, peak mid May to early Jul
- GB threat: Least Concern
- widespread in southern and central England, Welsh coasts
- disturbed sandy soil, vegetated shingle
- No. of records: 275 • % since 2000: 28%



Family: Therevidae

***Thereva strigata* (Fabricius, 1794)**

**Cliff Stiletto**

- ID difficulty: 4
- Flight period: late May to Jul
- GB threat: Endangered • GB rarity: Nationally Rare
- south coast plus Surrey (Box Hill)
- coastal cliffs, dry grassland
- No. of records: 5 • % since 2000: 0%
- **Caveats:** records for Surrey and Dorset not yet mapped

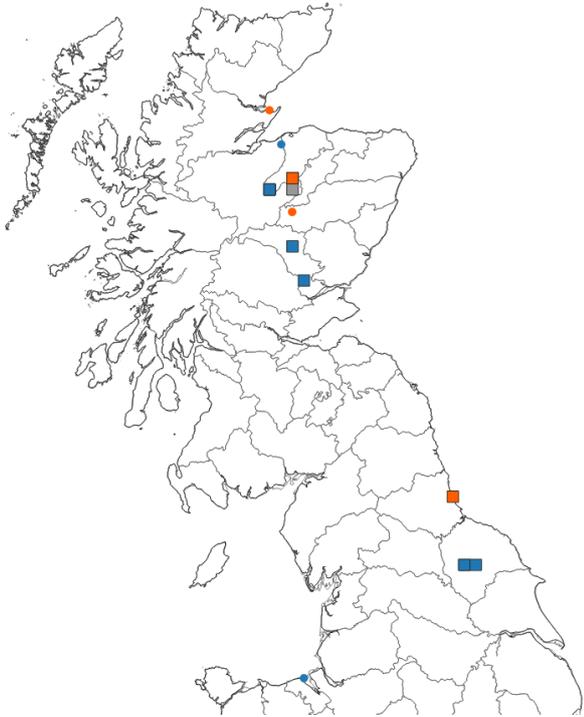


Family: Therevidae

***Thereva valida* Loew, 1847**

**Dark Northern Stiletto**

- ID difficulty: 4
- Flight period: early Jun to late Jul
- GB threat: Least Concern • GB rarity: Nationally Rare
- Scotland and Yorkshire
- drained soils close to streams, floodplain marshes, seepage meadows
- No. of records: 24 • % since 2000: 8%



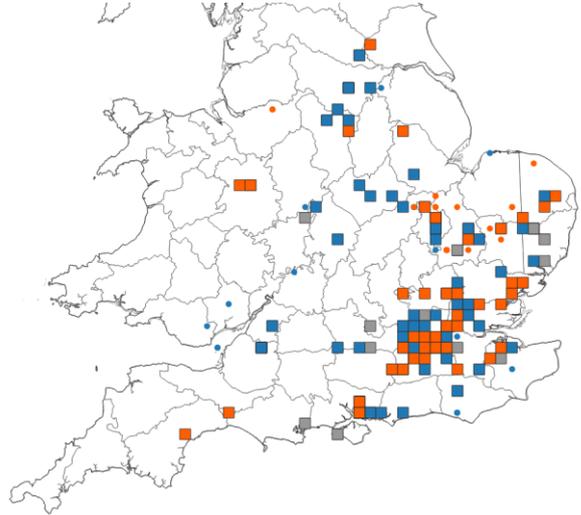
**Family: Xylomyidae (wood-soldierflies)**

Family: Xylomyidae

***Solva marginata* (Meigen, 1820)**

**Drab Wood-soldierfly**

- ID difficulty: 2
- Flight period: May to Aug
- GB threat: Least Concern
- widespread in southern and central England
- associated with poplar trees, larvae under bark
- No. of records: 338 • % since 2000: 46%
- **Caveats:** some of the westernmost records require confirmation



Family: Xylomyidae

***Xylomya maculata* (Meigen, 1804)**

**Wasp Wood-soldierfly**

- ID difficulty: 2
- Flight period: May to Jun
- GB threat: Vulnerable • GB rarity: Nationally Rare
- New Forest, Epping Forest, Windsor Forest
- ancient woodland, rot-holes
- No. of records: 33 • % since 2000: 21%
- **Caveats:** the northernmost record requires confirmation



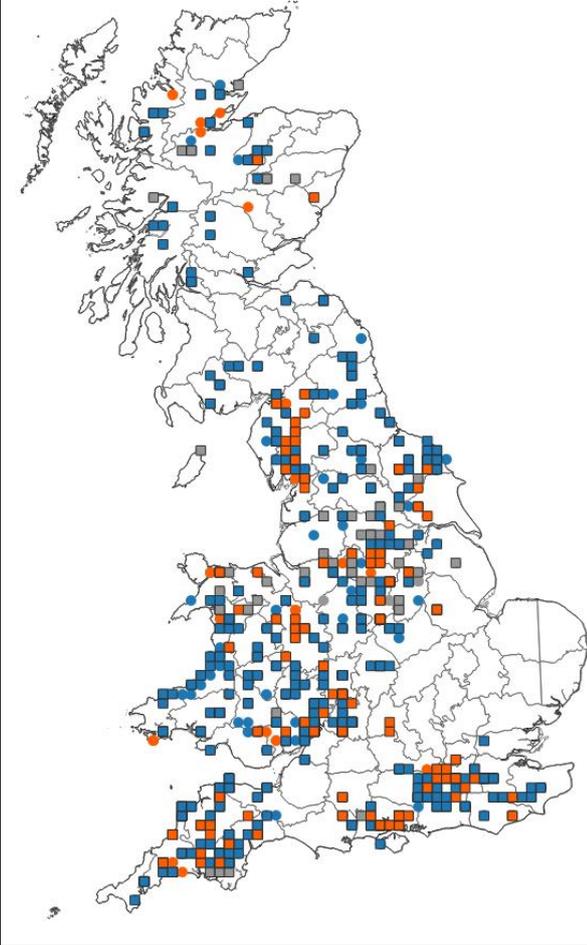
## Family: Xylophagidae (awl-flies)

Family: Xylophagidae

### *Xylophagus ater* Meigen, 1804

#### Common Awl-fly

- ID difficulty: 3
- Flight period: mid May to late Jun
- GB threat: Least Concern
- widespread except in east
- ancient woodland
- No. of records: 1233 • % since 2000: 20%

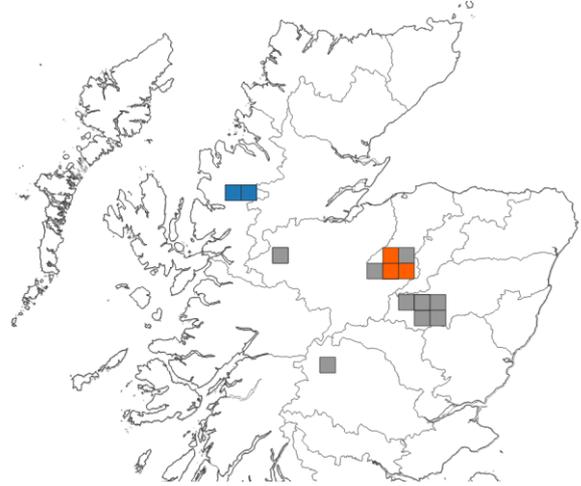


Family: Xylophagidae

### *Xylophagus cinctus* (De Geer, 1776)

#### Red-belted Awl-fly

- ID difficulty: 3
- Flight period: Jun to Jul
- GB threat: Least Concern • GB rarity: Nationally Scarce
- Scotland
- pine woodland
- No. of records: 27 • % since 2000: 15%



Family: Xylophagidae

### *Xylophagus junki* (Szilidy in Dahl, 1932)

#### Glenmore Awl-fly

- ID difficulty: 4
- Flight period: June
- GB threat: Regionally Extinct
- Scottish Highlands, one record, 1913
- No. of records: 1 • % since 2000: 0%

