



Desktop Biodiversity Report

Land at Walberton Parish

ESD/14/227

Peter Brown

6th May 2014



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Sussex Biodiversity Record Centre
report regarding
land at Walberton Parish
06/05/2014

Prepared for Peter Brown
ESD/14/227

The following information is included in this report:

Maps	<input checked="" type="checkbox"/>
Sussex Protected Species Register	<input checked="" type="checkbox"/>
Sussex Bat Inventory	<input checked="" type="checkbox"/>
Sussex Bird Inventory	<input checked="" type="checkbox"/>
UK BAP Species Inventory	<input checked="" type="checkbox"/>
Sussex Rare Species Inventory	<input checked="" type="checkbox"/>
Sussex Invasive Alien Species	<input checked="" type="checkbox"/>
Full Species List	<input checked="" type="checkbox"/>
Environmental Survey Directory	<input checked="" type="checkbox"/>

SNCI

Ar02 - Binsted Wood Complex; Ar07 - Rewell Wood Complex.

SSSI

None

Other Designations/Ownership

Environmental Stewardship Agreement; Local Geological Site; National Park; National Trust Property; Notable Road Verge.

Habitats

Ancient tree; Ancient woodland; Chalk stream; Coastal and floodplain grazing marsh; Lowland fen; Lowland heathland; Traditional orchard; Wood-pasture and parkland.

Important information regarding this report

It must not be assumed that this report contains the definitive species information for the site concerned.

The species data held by the Sussex Biodiversity Record Centre (SxBRC) is collated from the biological recording community in Sussex. However, there are many areas of Sussex where the records held are limited, either spatially or taxonomically.

A desktop biodiversity report from SxBRC will give the user a clear indication of what biological recording has taken place within the area of their enquiry. The information provided is a useful tool for making an assessment of the site, but should be used in conjunction with site visits and appropriate surveys before further judgements on the presence or absence of key species or habitats can be made. It may be that the content of this report guides the reader as to which surveys should be carried out on the site.

This report was compiled using data held at SxBRC at the time of production. SxBRC takes data validation very seriously, but cannot be held responsible for the accuracy of data included in this report.

Copyright

The Sussex Biodiversity Record Centre must be acknowledged in all documents containing any part of the information contained in this report. You can also use the whole of a SxBRC report (unedited) as an appendix in your own report.

The SxBRC operates as agent to the individuals and groups who provide their records free of charge. The data suppliers retain copyright on their data, while SxBRC retains copyright on its desktop biodiversity reports.

Data usage

The data contained within this report is for use in the project for which the data was requested. It is not to be shared with third parties for use in other projects, unless permission is granted from SxBRC.

The data may be used for 12 months, after which a replacement SxBRC report must be requested. This ensures the most up-to-date information is being used.

Ordnance Survey maps

Members of the public wishing to reproduce maps made by SxBRC under East and West Sussex County Council or Brighton and Hove City Council licences must use copying facilities that have been authorised by Ordnance Survey (OS). Further information can be found on the [OS website](#).

Impartiality

SxBRC functions as custodian of biological data. Our role is to collect, manage and disseminate wildlife and habitat data. As such, we have to remain impartial and cannot offer opinions on the biodiversity value of a given site. Similarly, we cannot put forward objections to planning applications or be involved in campaigns.

Supplying records

Our desktop biodiversity reports are only as good as the data we hold. We rely on the continuous submission of records to keep our database up-to-date. We are always grateful to receive records from ecological consultants and members of the public alike. We accept records in many different formats – please see our [website](#) for more details.

Confidential Records

Badgers

Badgers are one of our most recognisable native British mammals. They are not considered rare but are protected along with their setts under The Protection of Badgers Act 1992 and schedule 6 of the Wildlife and Countryside Act (1981, as amended).



It is an offence to kill, injure, or take a badger or interfere with a badger sett.

“Interference” is defined by section 3 of The Protection of Badgers Act and includes damaging or destroying a badger sett, obstructing any entrance to a sett and also disturbing a badger when it is occupying a sett. If you need to do any work near to a sett (within 30m) you must contact Natural England for guidance as your activities may require a licence.

With continued persecution of badgers, often for the most cruel and barbaric ‘sport’, detailed badger records are not included in our species inventory reports, as it has been requested that they remain confidential. However, the total number of badger records within the enquiry area is given in the full species list, if this has been requested.

If you need further information about badgers in your enquiry area please call the Badger Trust Sussex on 07910 198720 or visit their website: www.badgertrust-sussex.org.uk

The following species are not included in desktop biodiversity reports, but are flagged up as confidential at the end of the separate species inventories.

Otters

Otters are slowly making a return to Sussex after becoming extinct in the 1960s, but are nowhere near their former numbers and remain very vulnerable.

If there is a river or tributary within 1km of your enquiry area please be aware of the potential for otters in the vicinity, especially if you are undertaking operations that may impact potential otter habitat.



Otters are protected by European and UK law. It is an offence under the Wildlife and Countryside Act 1981 to kill, injure or take an otter from the wild without a licence; to damage or obstruct a holt; or disturb an otter in its resting place. Licences are required for checking holts or for carrying out work that may disturb otters, such as the management of trees that are known to be used as resting sites. Natural England are responsible for issuing these licences in England.

If you require further information about otters in your enquiry area, please contact SxBRC. Permission to release record details will be required from the Sussex Wetland Landscapes Project and SxBRC will liaise with the project officer on the enquirer’s behalf.

Wood White and Duke of Burgundy butterflies

These two rare butterfly species have a very restricted range in Sussex and records have been made confidential based on advice given from Butterfly Conservation Sussex Branch.

Other confidential records

SxBRC holds records of other species that are confidential. Confidentiality can be for a variety of reasons but is usually to benefit the site or the species. Full details of these records are not disclosed but the enquirer is referred back to SxBRC if further information is needed.

Any confidential records for your enquiry area will be flagged up at the end of the Protected Species Register, Rare Species Inventory and BAP Species Inventory.

Birds

SxBRC holds nearly 1.5 million bird records provided by the Sussex Ornithological Society (SOS). Commercial data requests will automatically include a Notable Bird Report, which is based on a list of birds that are particularly scarce or vulnerable to development in Sussex. Non-commercial data requests will not include records from this list, but will be directed to the SOS for further information.

MAPS

There are three maps included in a standard desktop biodiversity report which show designated sites (statutory and non-statutory); habitats and natural features; and ownership and management.

The key on a map only shows those layers which are located within the enquiry area or immediate area. Below is a list of all layers which we currently use in our maps, with details of the data source:

Designated sites	
Statutory	
Area of Outstanding Natural Beauty (AONB)	Downloaded from NE website.
Country Park	Downloaded from NE website.
Local Nature Reserve (LNR)	Downloaded from NE website.
Marine Site of Nature Conservation Importance (MSNCI)	Supplied by ESCC in 2005.
National Nature Reserve (NNR)	Downloaded from NE website.
National Park	Downloaded from NE website.
Ramsar	Downloaded from NE website.
Site of Special Scientific Interest (SSSI)	Downloaded from NE website.
Special Area of Conservation (SAC)	Downloaded from NE website.
Special Protection Area (SPA)	Downloaded from NE website.
Non-Statutory	
Local Geological Site (LGS)	Originally supplied as hand drawn maps by the Booth Museum (Brighton) in 2009, LGS boundaries were digitised by SxBRC. Site boundaries are now administered by SxBRC and the Sussex Geodiversity Partnership and have been further improved as a result of ground surveys during 2010 to 2012.
Notable Road Verge	Owned and provided by ESCC and WSCC.
Site of Nature Conservation Importance (SNCI)	Supplied by WSCC, ESCC & BHCC.
Habitats and natural features	
Ancient/veteran tree	Merged dataset created in July 2009. Data from Ancient Tree Hunt (national survey carried out in 2007/2008) and Tree Register of the British Isles (a charity which collates and updates data on notable trees).
Ancient woodland	Downloaded from NE website.
Black poplar	Created by SxBRC based upon species records arising from Sussex Wetland Landscapes Project.
Chalk stream	Created and owned by SWLP and SxBRC.
Coastal & floodplain grazing marsh	Downloaded from NE website.
Coastal saltmarsh	Supplied by EA, based on data from the SRCMP Habitat Mapping Project.
Coastal sand dune	Supplied by EA, based on data from the SRCMP Habitat Mapping Project.
Coastal vegetated shingle	Downloaded from NE website.
Ghyll woodland	Boundaries drawn on paper maps by Dr Francis Rose which were then digitised by SxBRC. Not ground-truthed.
Intertidal chalk	Supplied by EA, based on data from the SRCMP Habitat Mapping Project.
Intertidal mudflat	Supplied by EA, based on data from the SRCMP Habitat Mapping Project.

Lowland calcareous grassland	Merged dataset from NE and SDJC sources, created in 2005. Administered by SxBRC.
Lowland fen	Created by SxBRC in June 2011. Layer is an amalgamation of all the fen data currently available to SxBRC.
Lowland heathland	High Weald Heathland data created by the High Weald Unit in 2006. The rest of Sussex Heathland data was created by SxBRC, with funding from WSCC and RSPB in 2007.
Lowland meadow	Downloaded from NE website.
Maritime cliff and slope	Supplied by EA, based on data from the SRCMP Habitat Mapping Project.
Open water	Derived from OS mapping. This includes inland and tidal, running and standing water.
Reedbed	Created by SxBRC in June 2011. Layer is an amalgamation of all the reedbed data currently available to SxBRC.
Saline lagoon	Downloaded from NE website.
Traditional orchard	Downloaded from NE website.
Wood-pasture & parkland	Downloaded from NE website.
Ownership and management	
Environmental Stewardship Agreement	Downloaded from NE website.
National Trust property	Owned and provided by National Trust.
RSPB reserve	Owned and provided by RSPB. Downloadable from their website.
Sussex Wildlife Trust reserve	Created and maintained by SxBRC on behalf of SWT.
Woodland Trust site	Owned and provided by the Woodland Trust.

Abbreviations

BHCC	Brighton and Hove City Council
EA	Environment Agency
ESCC	East Sussex County Council
NE	Natural England
PTES	People's Trust for Endangered Species
RSPB	Royal Society for the Protection of Birds
SDJC	South Downs Joint Committee
SRCMP	Strategic Regional Coastal Monitoring Programme
SxBRC	Sussex Biodiversity Record Centre
SWLP	Sussex Wetland Landscapes Project
SWT	Sussex Wildlife Trust
WSCC	West Sussex County Council

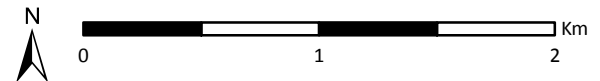
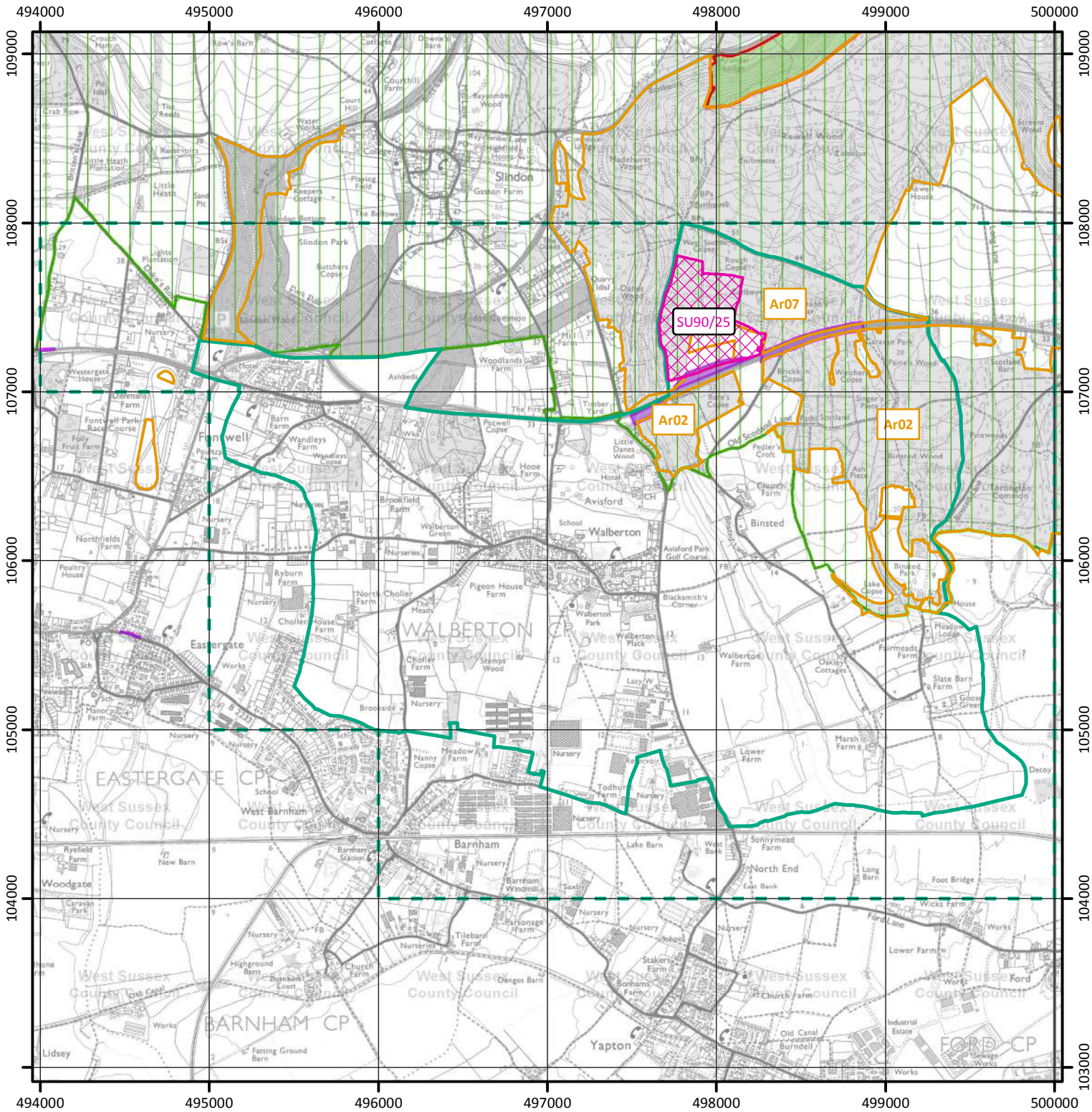
Natural England datasets

These are available for anyone to download and use in their own Geographical Information System (GIS). Visit www.gis.naturalengland.org.uk for more information and register as a user.









Designated Site Map (ESD/14/227)

Land at Walberton Parish

Prepared for Peter Brown - 06/05/2014



Key to Map:

-  LGS
-  SNCI
-  Walberton Parish Boundary
-  Species search area
-  SSSI
-  Notable road verge
-  National Park
-  LNR

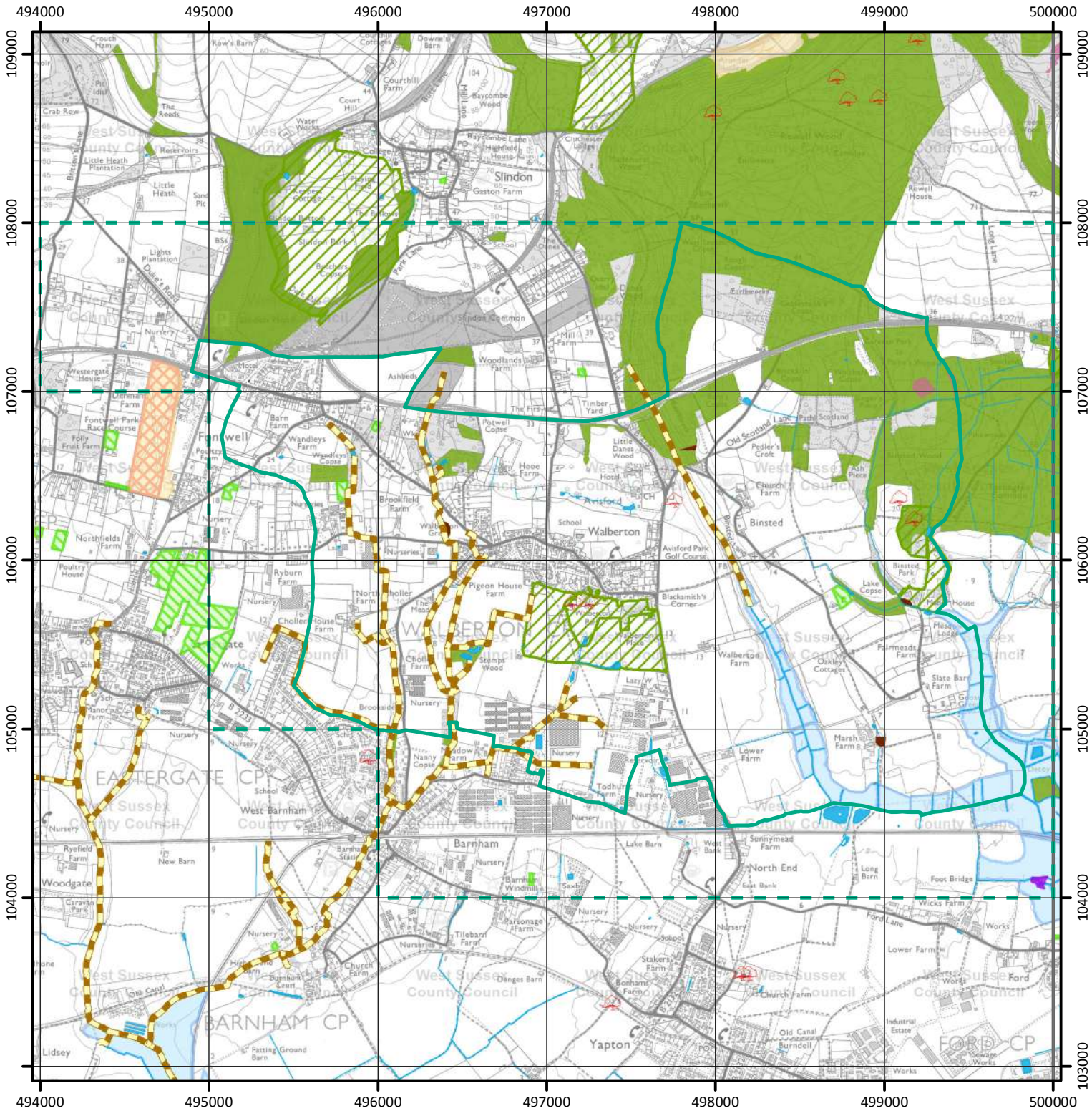
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RAMSAR, Special Area of Conservation (SAC), Special Protection Area (SPA), National Park, Area of Outstanding Natural Beauty (AONB), National Nature Reserve (NNR), Site of Special Scientific Interest (SSSI), Local Nature Reserve (LNR) and Country Park data reproduced with permission of Natural England. Site of Nature Conservation Importance (SNCI) data provided by East and West Sussex County Councils, and Brighton & Hove City Council. Notable Road Verge data supplied by East and West Sussex County Councils. Local Geological Site (LGS) data created by Sxbrc in partnership with Sussex Geodiversity Group. © Crown Copyright. All rights reserved 2014.




Habitat & Natural Features Map (ESD/14/227)

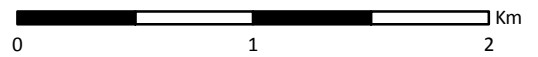
Land at Walberton Parish

Prepared for Peter Brown - 06/05/2014



Key to Map:

-  Walberton Parish Boundary
-  Species search area
-  Ancient/veteran tree
-  Chalk Stream
-  Reedbed
-  Lowland fen
-  Open Water
-  Traditional orchard
-  Wood-pasture & parkland
-  Lowland meadow
-  Lowland heathland
-  Ancient woodland
-  Lowland calcareous grassland
- Coastal & floodplain grazing marsh



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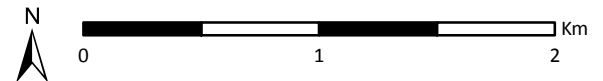
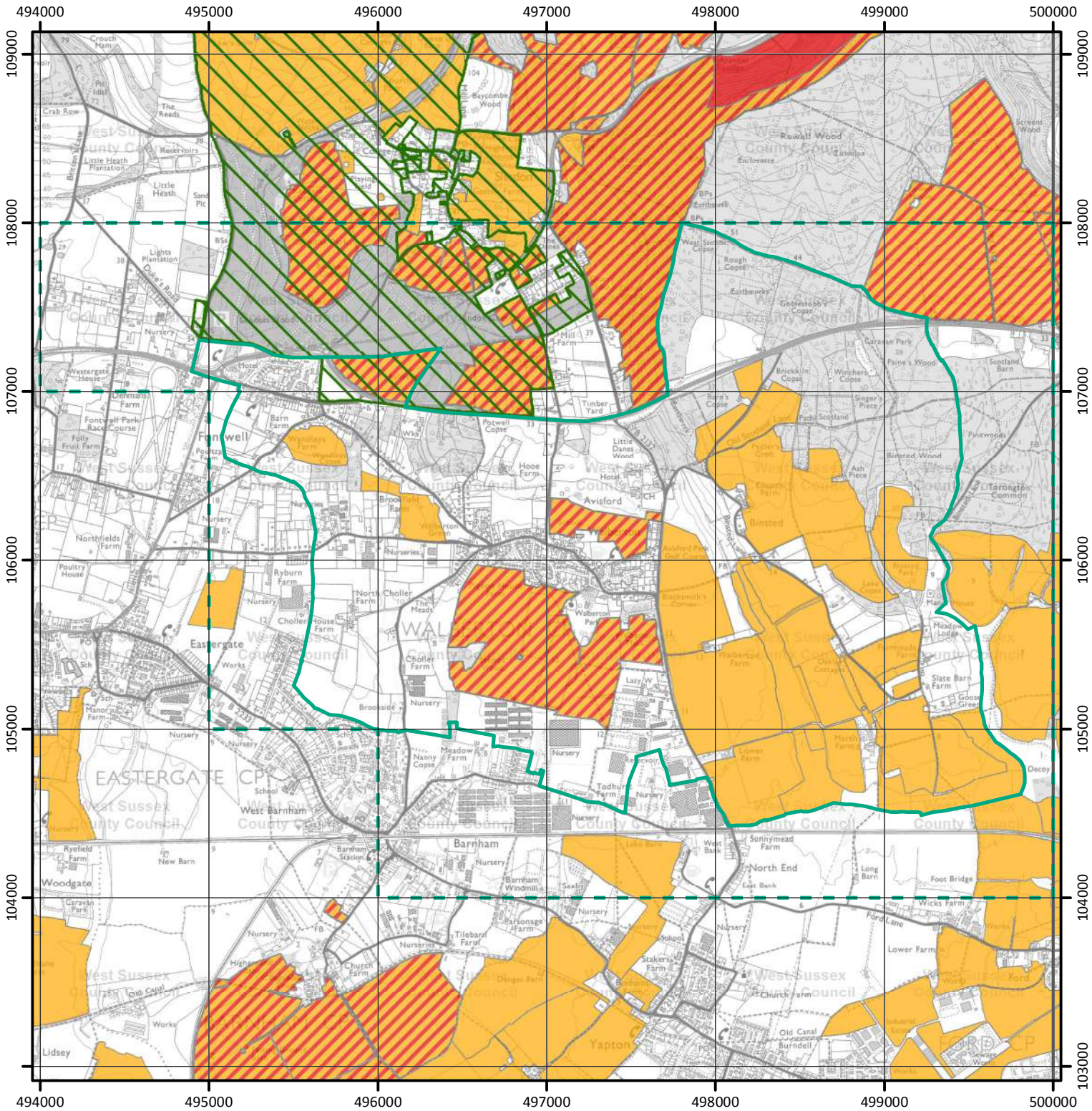
Ancient woodland, traditional orchards, woodpasture and parkland, vegetated shingle and saline lagoon data reproduced with permission of Natural England. Revised coastal and floodplain grazing marsh data remains provisional and is also reproduced with permission of Natural England. Chalk grassland data supplied by Natural England and South Downs Conservation Board. Black Poplar data supplied by Sussex Wetland Landscapes Project. Ghyll woodland data supplied by Dr Francis Rose. Reedbed data funded by Environment Agency and West Sussex County Council is provided by Sussex Biodiversity Record Centre and maintained by RSPB. Heathland data funded by West Sussex County Council, RSPB and High Weald AONB Unit. Ancient/veteran tree data derived from results of the Ancient Tree Hunt Project and the Tree Register of the British Isles (TROBI). South East Coastal Habitat Mapping data reproduced with permission of Environment Agency. © Crown Copyright. All rights reserved 2014.

Habitat data held by Sussex Biodiversity Record Centre (SxBRC) are created in-house or obtained from a variety of dataset providers. SxBRC continually strive to further improve and update these data wherever possible. However, this map should be treated as indicative rather than definitive: data may be generated from a range of field survey and/or predictive methods, each of which may have its own inherent limitations. In some situations a recent ground survey may be required to establish definitively the current status of a particular habitat at a specific location.




Ownership & Management Map (ESD/14/227)

Land at Walberton Parish






Prepared for Peter Brown - 06/05/2014



Key to Map:

-  Walberton Parish Boundary
-  Species search area
-  National Trust property

Environmental Stewardship Agreements:

-  Higher Level Stewardship (HLS)
-  Entry Level Stewardship (ELS)
-  Organic ELS
-  Organic ELS plus HLS
-  ELS plus HLS

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Environmental Stewardship Agreement data reproduced with permission of Natural England. Other datasets reproduced respectively with permission of the Woodland Trust, National Trust, Sussex Wildlife Trust and Royal Society for the Protection of Birds. © Crown Copyright. All rights reserved 2014.

SUMMARY REPORT

Walberton Parish

06 May 2014 ESD/14/227 Search Area: SU9604 to SU9904; SU9505 to SU9906; SU9407 to SU9907
 Peter Brown

Protected Species Register (not including bats, badgers, otters or birds)

Number of species recorded 7

European Protected Species

Number of species recorded 12

Bats

Number of species recorded 10

Birds

Number of species recorded 140

Number of BoCC Red list species recorded 27

Number of BoCC Amber list species recorded 53

Number of W&CA Schedule 1 species recorded 21

Number of significant breeding bird records 25

BAP species (not including bats or birds)

Number of species recorded 63

Rare Species (not including bats, birds or otters)

Number of species recorded 161

Invasive Alien Species

Number of species recorded 17

Confidential Records (not including badgers or birds)

Number of confidential records 4

SUSSEX PROTECTED SPECIES REGISTER

The Protected Species Register does not include bat, bird, badger or otter records. Bat and bird records are included in separate inventories, while badger and otter records are not included in SxBRC reports.

The Sussex Protected Species Register (PSR) consists of species of plants, fungi and animals that are protected under Schedules 5, 6 and 8 of the Wildlife and Countryside Act 1981 and other legislation.

Please note the following limitations to the PSR:

- PSR records are labelled so that only one record per species per grid reference is included in a SxBRC report. This will usually be the most up to date record.
- If a protected species record appears in a SxBRC biodiversity report it does not mean that the species is still present. It means that the protected species was recorded last at that time and place by the recorder listed. The implications of the record should be further evaluated, and a survey to establish the current status of the species may be required.
- If there is no record of any particular protected species, this does not confirm that the species is absent from the site in question. It may mean that it has not been recorded, that the site has not been surveyed for this species, or that the Record Centre has not been informed of its presence.
- Some sites are part of the National Dormouse Monitoring Programme (NDMP) and therefore we are likely to hold historic records/more detailed information. If NDMP is mentioned in the location name of a record and you would like the historic dormouse data for that site, please contact the SxBRC.

Wildlife Protection Legislation in England

Legislation that protects wildlife in England exists at the European and national level.

European law

Legislation produced at a European level is an EU Directive, produced to have an effect at national level as regulations. The most relevant regulation for biodiversity is the 'Conservation of Habitats & Species Regulations 2010 (informally known as 'The Habitats Directive')'. Further information can be found here: www.naturenet.net/law/habsregs.html

National law

The Wildlife and Countryside Act (WCA) 1981 (as amended), strengthened by the Countryside and Rights of Way Act 2000, are together the most important legislation aimed at protecting wildlife in England. The Wildlife and Countryside Act is divided into four parts, details of which are available from: www.naturenet.net/law/wcagen.html

Species protection is provided under Schedules 1, 5, 6 and 8 of the WCA:

Schedule 1: Birds – Please refer to the Sussex Bird Inventory results and explanation sheet in your SxBRC biodiversity report.

Schedule 5: Protected animals (other than birds)

Intentional or reckless killing, injuring, taking, possessing, disturbing and selling (including parts and derivatives) as well as damaging, destroying or obstructing access to any structure or place of refuge etc. are prohibited. N.B. Protection of some species is limited to certain sections of the Act, which are indicated in the lists as follows:

Section 9(1) Protection limited to intentional killing, injury or taking.

Section 9(2) Protection limited to possessing and controlling.

- Section 9(4a)** Protection limited to damaging, destroying or obstructing access to any structure or place used by the animal for shelter or protection.
- Section 9(4b)** Protection limited to disturbing the animal while it is occupying any structure or place which it uses for shelter or protection.
- Section 9(5a)** Protection limited to selling, offering for sale, possessing or transporting for the purpose of sale (live or dead animal, part or derivative).
- Section 9(5b)** Protection limited to advertising for buying or selling such things.

Schedule 6: Animals which may not be killed or taken by certain methods

Methods include traps and nets, poisons, automatic weapons, electrical devices, smokes/gases and various others. Even humane trapping for research requires a licence.

Schedule 8: Protected plants and fungi

Intentional picking, uprooting, destroying, trading (including parts and derivatives) etc. are prohibited. Under the Wildlife and Countryside Act, all wild plants in Britain are protected from intentional uprooting by an unauthorised person. Land owners, land occupiers, persons authorised by either of these, or persons authorised in writing by the Local Authority for the area are however exempt from this, except for Schedule 8 species which you can see on this website: www.naturenet.net/law/sched8.html

Legislation protecting bats

Please refer to the explanation sheet of the Sussex Bat Inventory within your SxBRC biodiversity report, or visit [our website](#).

Legislation protecting badgers and otters

Please refer to the 'Confidential Records' sheet at the start of the report for information on badger and otter records in Sussex.

SUSSEX PROTECTED SPECIES REGISTER REPORT

Please note that bat, bird, badger and otter records are not included in this report.

Walberton Parish

06 May 2014

ESD/14/227

Search Area: SU9604 to SU9904; SU9505 to SU9906; SU9407 to SU9907

Peter Brown

Triturus cristatus

Great Crested Newt

Amphibian

The largest British newt. It is black or dark brown and the males have a crest along the back and an orange underside spotted with black. Frequently confused with male smooth newts, which also have a crest. The great crested newt prefers larger, open ponds that are free of fish and waterfowl and has declined substantially in Britain and across Europe, mainly due to habitat loss. The species is fully legally protected and Britain has special responsibility for its conservation as some of the best European populations occur here. Scattered across East and Central Sussex but scarce in the west.

Designations

Bern Convention Appendix 2; European Protected Species; Habitats Directive Annex 2 - non-priority species; Habitats Directive Annex 4; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
SU974054	Kate Ryland; Barry Kemp	22/04/2005	Lazy W pond, Walberton, Walberton CP

Arvicola amphibius

European Water Vole

Terrestrial mammal

The fastest declining native British mammal, the water vole was 'Ratty' in Wind in the Willows. Water voles prefer slow flowing streams, rivers and dykes with steep earth banks and luxuriant emergent vegetation. They have been in decline for over a century mainly due to loss of habitat while the presence of American mink has greatly hastened this decline. In many areas of mainland Britain water voles are already extinct but there are still some strong populations in Sussex. A legally protected species, listed on the Sussex Rare Species Inventory and the subject of a Sussex Species Action Programme.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.1 taking; 9.2; 9.4a; 9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
SU968049	Mark Elliott	1998	Barnham, nursery at end of Park Road, West Sussex (VC13)

Muscardinus avellanarius**Hazel Dormouse****Terrestrial mammal**

A nocturnal species of woodland and overgrown hedgerows. Dormice spend much of their time climbing among branches in search of fruit, nuts, insects and other food. They sleep in nests during the day in hollow trees, unoccupied bird or bat boxes and similar places and hibernate in winter. Dormice occur mainly in southern England in this country and are widespread in suitable habitats in Sussex.

Designations

European Protected Species; Habitats Directive Annex 4; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
SU957065	John Knight	15/05/2008 - 29/10/2008	Wandleys Copse
SU963067	John Knight	25/01/2008	Potwell Copse
SU965066	John Knight	12/11/2009	Potwell Copse
SU965067	NDMP Dormouse Monitor	21/10/2011	Potwell Copse NDMP Site, Box No.35
SU978058	Nicky Richardson	23/01/2004	Walberton, West Sussex (VC13)
SU989067	John Knight	15/10/2009	Ash Piece, West Sussex (VC13)
SU989068	John Knight	08/04/2007 - 12/11/2007	Ash Piece, Binsted wood, Binsted Wood complex
SU990067	NDMP Dormouse Monitor	21/10/2011	Ash Piece NDMP Site, Box No.33
SU990072	NDMP Dormouse Monitor	21/10/2011	Paine's Wood NDMP Site, Box No.30
SU992072	John Knight	08/04/2007 - 12/11/2007	Paines Wood
SU993072	John Knight	15/05/2008 - 29/10/2008	Pains Wood, Binsted and Paines Wood

Anguis fragilis

Slow-worm

Reptile

A legally protected legless lizard resembling a small snake. Slow-worms are widespread in southern England and found in open habitats such as rough grassland, heath and on road and railway embankments. They are often common in urban and suburban areas. Like most reptiles and amphibians they have declined considerably and need protection wherever they occur.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU956050	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU956068	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/01/1989	26 Barnfield Cottages, Fontwell, Arundel, West Sussex (VC13)
SU960043	Libby Crew	28/09/2005	Barnham Station, Barnham
SU9606	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/07/1992	Walberton Nr Arundel, West Sussex (VC13)
SU963063	SARG Sussex Amphibian & Reptile Grp	01/06/1991	West Walberton Lane, Walberton, West Sussex (VC13)
SU967045	Recorder @ The Ash Partnership	April 2007	Eric Wall Nursery, Lake Lane, Barnham
SU9707	SARG recorder	07/05/2000	Slindon Common, Slindon CP
SU971059	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU973058	SARG 2002 Leaflet	2002	2 Henty Close, Walberton, Arundel, West Sussex (VC13)
SU978043	Sophie Miller	30/08/2010 - 17/09/2010	Lake Dell, Yapton, West Sussex (VC13)
SU983051	Joanna Meachem	02/09/2002	The White House, Westergate Street, Westergate, West Sussex (VC13)
SU990068	John Knight	2000	Binsted Wood complex
SU990072	John Knight	15/09/2005	Paines Wood, Binsted and Paines Wood
SU9907	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	17/08/1990	Paines Wood, West Sussex (VC13)
SU992068	John Knight	06/05/2005	Binsted and Paines Wood
SU993070	John Knight	05/05/2005	Binsted and Paines Wood
SU994069	John Knight	15/09/2005	Binsted and Paines Wood
SU994072	John Knight	15/09/2005	Binsted and Paines Wood

Natrix natrix**Grass Snake****Reptile**

A widespread, but legally protected, snake with a normally olive body flecked with black and a distinctive yellow collar. Frequent in Sussex near places where its food, largely frogs, is readily available. Like most reptiles and amphibians, grass snakes have declined considerably and need protection wherever they occur.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU960043	Libby Crew	14/09/2005	Barnham Station, Barnham
SU960066	Recorder @ WildCall	09/05/2011	Garden Pond, Walburton, West Sussex (VC13)
SU9606	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/08/1995	West Walberton Lane, Walberton, West Sussex (VC13)
SU964052	SARG recorder	01/08/2001	1a Downview Rd, Barnham, Bognor, Bognor Regis
SU9705	SARG 2002 Leaflet	2002	1 Henty Close, Walburton, West Sussex (VC13)
SU973058	SARG 2002 Leaflet	2002	2 Henty Close, Walberton, Arundel, West Sussex (VC13)
SU974054	Kate Ryland;Barry Kemp	08/04/2005	Lazy W pond, Walberton, Walberton CP
SU975059	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU990068	John Knight	2000	Binsted Wood complex
SU991067	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	26/06/1996	Binstead Wood, West Sussex (VC13)
SU992062	Jim McGregor	14/08/2001	Madonna Pond, Binsted
SU992068	John Knight	06/05/2005	Binsted and Paines Wood
SU992072	John Knight	1998	Paines Wood
SU99280700	Ben Rainbow	27/07/2011	SNCI Ar02, Binsted Woods, West Sussex (VC13)
SU993070	John Knight	05/05/2005	Binsted and Paines Wood

Zootoca vivipara**Common Lizard****Reptile**

The most abundant British lizard and widespread in Sussex in the Weald and along the coast. Probably under-recorded and increasingly confined to small areas of open sunny habitat. A legally protected species due to concern about its overall decline.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU9505	SARG Sussex Amphibian & Reptile Grp	01/01/1998	70 Elm Grove, South Barnham, West Sussex (VC13)
SU960043	Libby Crew	28/09/2005	Barnham Station, Barnham
SU9606	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	30/06/1995	West Walberton Lane, Walberton, West Sussex (VC13)
SU9707	SARG recorder	07/05/2000	Slindon Common, Slindon CP
SU971059	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU990068	John Knight	2000	Binsted Wood complex
SU9906	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	04/08/1990	Binsted Wood, West Sussex (VC13)
SU9907	SARG Sussex Amphibian & Reptile Grp	21/05/1988	Paines Wood, West Sussex (VC13)
SU992072	John Knight	16/04/2005	Binsted and Paines Wood
SU99280700	Ben Rainbow	27/07/2011	SNCI Ar02, Binsted Woods, West Sussex (VC13)

Vipera berus

Adder

Reptile

Britain's only venomous snake, though incidences of snakebite involving man or domestic animals are relatively uncommon. Adders have a distinctive zig zag pattern of black or brown and white. They occur in open areas on downs, heaths and in heathy woods. Grass snakes and slow-worms are often misidentified as adders. Though widespread in Britain and found in suitable areas across Sussex, the adder, like all our native reptiles has declined substantially through habitat loss and other factors. The adder is a protected species and it is illegal intentionally to kill or injure them.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU973058	SARG 2002 Leaflet	2002	2 Henty Close, Walberton, Arundel, West Sussex (VC13)
SU990068	John Knight	2000	Binsted Wood complex
SU9907	SARG Sussex Amphibian & Reptile Grp	21/05/1988	Paines Wood, West Sussex (VC13)
SU992062	John Knight	14/11/1999	Madonna Pond, Binsted
SU992068	John Knight	06/05/2005	Binsted and Paines Wood
SU992070	John Knight	02/06/2009	Paines Wood
SU992072	John Knight	1999	Paines Wood
SU993070	John Knight	05/05/2005	Binsted and Paines Wood

2 confidential records exist for this enquiry area. Please contact the record centre if you require further information.

Bat species

There are 18 species of bat which are resident in the UK (17 of which are known to be breeding here), all of which have been recorded in Sussex:

Barbastella barbastellus **Barbastelle**
Eptesicus serotinus **Serotine**
Myotis alcathoe **Alcathoe**
Myotis bechsteinii **Bechstein's**
Myotis brandtii **Brandt's**
Myotis daubentonii **Daubenton's**
Myotis myotis **Greater mouse-eared**
Myotis mystacinus **Whiskered**
Myotis nattereri **Natterer's**

Nyctalus leisleri **Leisler's**
Nyctalus noctula **Noctule**
Pipistrellus nathusii **Nathusius's pipistrelle**
Pipistrellus pipistrellus **Common pipistrelle**
Pipistrellus pygmaeus **Soprano pipistrelle**
Plecotus auritus **Brown long-eared**
Plecotus austriacus **Grey long-eared**
Rhinolophus ferrumequinum **Greater horseshoe**
Rhinolophus hipposideros **Lesser horseshoe**

Four other bat species have been recorded in Sussex as vagrants: Savi's pipistrelle (*Hypsugo savii*), Kuhl's pipistrelle (*Pipistrellus kuhlii*), parti-coloured bat (*Vespertilio murinus*) and Geoffroy's bat (*Myotis emarginatus*).

Five species are included in Annex II of the EU Habitats Directive: Barbastelle, Bechstein's, greater mouse-eared, greater horseshoe and lesser horseshoe. All 18 species are included in Annex IV.

Seven species are included in the UK Biodiversity Action Plan: Barbastelle, Bechstein's, brown long-eared, greater horseshoe, lesser horseshoe, noctule and soprano pipistrelle.

Background

Bats are the only mammals capable of true flight. Those found in the UK feed exclusively on insects and use a sophisticated form of sonar to navigate and catch their prey at night. In late spring and summer, female bats form maternity colonies to raise their young. This is when they are most obvious to us, as they leave the roost at or after sunset in search of food. Bats hibernate during the winter when insects are scarce, usually at a different site to the maternity roost where a constant cool temperature can be found i.e. in underground sites or within deep crevices in trees or buildings. **Bats return to the same roost sites every year, so even if the animals themselves are not present, the roost is still legally protected.**

Unfortunately there are many misconceptions about bats. They are in fact sociable, intelligent, clean animals that rarely come into contact with humans. They do not build nests and very rarely cause structural damage to buildings.

Current status and threats

Bat populations have suffered huge declines in the last century. The common pipistrelle (*Pipistrellus pipistrellus*) and soprano pipistrelle (*Pipistrellus pygmaeus*) remain the most abundant and widespread species of bat, but are thought to have suffered from a huge reduction in numbers. Estimates from a National Bat Colony Survey suggest a population decline of around 70% between 1978 and 1993.

This reduction in bat numbers is largely due to their roosts being disturbed or destroyed, a loss of suitable feeding and flightline habitat (e.g. hedgerows) and a reduction in insect numbers (e.g. through farming intensification and the use of pesticides). A number of species are now included in the National Bat Monitoring Programme (NBMP), run by the Bat Conservation Trust (BCT), which gives up-to-date information on population trends.

Bats are also particularly vulnerable to human interference for the following reasons:

- They have a low reproductive rate; generally one pup a year.
- They require specific conditions for each of their roost types.
- They are very secretive and often go unnoticed until discovered by building works or home improvements.

Consequently, bats and their roosts receive some of the highest levels of legal protection.

Bats and the law

All species of bat and their roosts are protected by UK and European law. Bats and their roosts may also be protected by site designations, for example if their roost site or feeding grounds are notified as a Special Area of Conservation (SAC) or a Site of Special Scientific Interest (SSSI).

You could be committing a criminal offence if you:

1. Deliberately capture, injure or kill a bat
2. Intentionally or recklessly disturb a bat in its roost or deliberately disturb a group of bats
3. Damage or destroy a bat roosting place (even if bats are not occupying the roost at the time)
4. Intentionally or recklessly obstruct access to a bat roost
5. Possess or advertise/sell/exchange a bat (dead or alive) or any part of a bat

It is not illegal to:

Tend/care for a bat solely for the purpose of restoring it to health and subsequent release. (This should always be done by an experienced bat handler, contact details of which can be found through the Sussex Bat Group.)

Licensing

If you have a bat roost in your property, it does not necessarily mean that building work cannot take place. Work can be planned so as not to interfere with the roost and at a time that bats may be absent. If you are planning any sort of work that may interfere with bats, advice must be sought first from Natural England (see contact details below). Similarly, if you discover bats after work has begun, you must stop and contact Natural England for their advice before continuing.

Licences to permit illegal activities relating to bats and their roost sites can be issued for specific purposes. It is an offence not to comply with the terms and conditions of such a licence. If you carry out work affecting bats or roosts without a licence, you will be breaking the law.

Further advice and information:

Bat Conservation Trust

The national charity working for bat conservation.

Website: www.bats.org.uk

Bat helpline: 0845 1300 228

Email: enquiries@bats.org.uk

Natural England

The government body responsible for issuing licences for work that may affect bats or their roosts.

Website: www.naturalengland.org.uk/ourwork/regulation/wildlife/species/bats.aspx

General and licensing enquiries. Tel: 0845 601 4523 (local rate).

Sussex Bat Group

A local voluntary group working for the conservation of bats in Sussex.

Website: www.sussexbatgroup.org.uk

Email: contact@sussexbatgroup.org.uk

SUSSEX BAT INVENTORY REPORT SUMMARY

Please note that all species of bat and their roosts are protected by UK and European law, under the Wildlife and Countryside Act 1981 (WCA) in the UK and the Habitats Directive in the EU. Bats and their roosts may also be protected by site designations, for example if their roost site or feeding grounds are notified as Special Area of Conservation (SAC) or a Site of Special Scientific Interest (SSSI).

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Key to Indicators

M/S Mating/Swarming
H Hibernaculum
FR Feeding Roost
MR Maternity Roost
UR Unspecified Roost
D Droppings

Walberton Parish

06 May 2014

ESD/14/227

Search Area: SU9604 to SU9904; SU9505 to SU9906; SU9407 to SU9907

Peter Brown

Common Name	Latin Name	No of Records	Key to Indicators						
			M/S	H	FR	MR	UR	D	
Bat sp.	<i>Chiroptera</i>	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Bechstein's Bat	<i>Myotis bechsteinii</i>	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Brown Long-eared Bat	<i>Plecotus auritus</i>	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Long-eared sp.	<i>Plecotus</i>	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Natterer's Bat	<i>Myotis nattereri</i>	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Noctule Bat	<i>Nyctalus noctula</i>	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pipstrelle sp.	<i>Pipistrellus</i>	14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Serotine	<i>Eptesicus serotinus</i>	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Soprano Pipstrelle (55 kHz)	<i>Pipistrellus pygmaeus</i>	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Unidentified Bat	<i>Myotis</i>	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

SUSSEX BAT INVENTORY REPORT

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You could be committing a criminal offence if you :

1. Deliberately capture, injure or kill a bat. 2. Intentionally or recklessly disturb a bat in the roost or deliberately disturb a group of bats. 3. Damage or destroy a bat roosting place (even if bats are not occupying the roost at the time). 4. Intentionally or recklessly obstruct access to a bat roost. 5. Possess or advertise/sell/exchange a bat (dead or alive) or any part of a bat.

Key to Indicators

M/S Mating/Swarming
H Hibernaculum
FR Feeding Roost
MR Maternity Roost
UR Unspecified Roost
D Droppings

Walberton Parish

06 May 2014

ESD/14/227

Search Area: SU9604 to SU9904; SU9505 to SU9906; SU9407 to SU9907

Peter Brown

Chiroptera

Bat sp.

Chiroptera (from the ancient Greek for 'wing hand') is the natural group, or order, that covers all the bats. In Britain we have 18 bat species and all have the highest level of legal protection. Many people simply record bats in general when they are not able to assign them to a particular species and these are then included under Chiroptera in our reports.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
22/04/2005	Lazy W Pond, Walberton, West Sussex (VC13)	SU974054	Kate Ryland; Barry Kemp	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	Seen flying over pond.
22/10/1996	St Mary's Church, Walberton, West Sussex (VC13)	SU971057	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Several Dead	Few dead, possible roost.
22/04/1988	St Mary's Church, Walberton, West Sussex (VC13)	SU971057	Recorder @ Sussex Bat Group	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1 Present	Bat in bell tower, one dropping found.

*Eptesicus serotinus***Serotine**

A large bat that frequents pasture, parklands and gardens as well as the wider countryside. It forms summer roosts in buildings where it also probably hibernates. A widespread southern species in the UK, though often only present in small numbers. Its British strongholds are in the south east (widespread in Sussex) and parts of the West Country.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
12/06/2005	Binsted Wood complex, West Sussex (VC13)	SU990068	J.M. Halls	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	
04/02/2004	53 Elm Grove, Barnham, West Sussex (VC13)	SU956051	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
16/09/2000	Slindon Wood, Dukes Road Car Park, West Sussex (VC13)	SU953073	John Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	Record from Moth and Bat walk.
01/01/1990 - 31/12/1990	Binsted Wood complex, West Sussex (VC13)	SU990068	Jeremy Halls	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	

*Myotis***Unidentified Bat**

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
09/09/1986	St Mary's (Village Church), Walberton, West Sussex (VC13)	SU971057	Recorder @ Sussex Bat Group	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1 Dead	Old droppings found.

*Myotis bechsteinii***Bechstein's Bat****BAP**

A medium-sized bat with long ears, favouring wooded, low-lying countryside. In summer it roosts in tree holes, bat boxes and, less commonly, in buildings. It hibernates in tree holes and occasionally in cellars, mine tunnels and caves. It is the rarest British *Myotis* species and is virtually restricted to southern England. Most records held by SxBRC are from West Sussex, but it has been recorded from East Sussex.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
17/07/2006	Slindon Wood, West Sussex (VC13)	SU955077	Frank Greenaway	Trapped	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Male	sub-optimal habitat for Bechstein's bat.

Myotis nattereri**Natterer's Bat**

A medium-sized bat with long ears inhabiting woodland and mixed farmland, often flying near water. In summer it roosts in old buildings, barns and hollow trees and it hibernates in caves, mines and other underground places. Found throughout much of the British Isles, but generally scarce. The UK population of Natterer's bats may be of international importance and it is widespread in Sussex.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
17/07/2006	Slindon Wood, West Sussex (VC13)	SU955077	Frank Greenaway	Trapped	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Male	
12/06/2005	Binsted Wood complex, West Sussex (VC13)	SU990068	J.M. Halls	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	
01/01/1990 - 31/12/1990	Binsted Wood complex, West Sussex (VC13)	SU990068	Jeremy Halls	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	

Nyctalus noctula**Noctule Bat****BAP**

A large bat of woodlands and wetland that sometimes occurs in towns. Summer roosts are usually in trees, where it can also hibernate. Other hibernation sites can be in rock fissures, bat boxes and sometimes buildings. Widespread, but declining in Sussex and in both England and Wales generally.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
12/06/2005	Binsted Wood complex, West Sussex (VC13)	SU990068	J.M. Halls	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	
01/01/1990 - 31/12/1990	Binsted Wood complex, West Sussex (VC13)	SU990068	Jeremy Halls	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	

*Pipistrellus***Pipstrelle sp.**

There are three species of Pipistrelle bat found in the UK; common (*Pipistrellus pipistrellus*), soprano (*P. pygmaeus*) and Nathusius (*P. Nathusii*). Common and soprano pipistrelles were previously recorded as one species, but they are now recognised as separate species, with a peak frequency echolocation at 45 kHz and 55 kHz respectively. The following records refer to an aggregate of the two species, where the audio frequency or specific species is undetermined. Little is known about the Nathusius pipistrelle, but the other two species are found in all types of countryside (except very exposed areas) as well as in towns and suburbs. Summer roosts are usually in buildings, though tree holes and bat boxes are also used. Hibernation sites are in buildings and tree holes. Both common and soprano pipistrelles are widespread in Sussex, while Nathusius' is much rarer.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
28/08/2010	Slindon wood, Slindon Woods	SU960077	John Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4 Present	
17/07/2006	Slindon Wood, West Sussex (VC13)	SU955077	Frank Greenaway	Trapped	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Lactating Female	
12/06/2005	Binsted Wood complex, West Sussex (VC13)	SU990068	J.M. Halls	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	
28/07/2002	Walberton, West Sussex (VC13)	SU972057	Martin Love	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	338 Present	
29/07/2001	Walberton, West Sussex (VC13)	SU972057	Martin Love	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	346 Present	
23/09/2000	Slindon Wood, Dukes Road Car Park, West Sussex (VC13)	SU953073	John Knight	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	
16/09/2000	Slindon Wood, Dukes Road Car Park, West Sussex (VC13)	SU953073	John Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	Record from Moth and Bat walk.
28/07/1999	Walberton, West Sussex (VC13)	SU972057	Martin Love	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	234 Present	
11/11/1994	Tiverton Sunnybox Lane, Slindon Common, Slindon, West Sussex (VC13)	SU970076	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
31/08/1993	Wandleys Copse, Care, Walberton, West Sussex (VC13)	SU958065	NE Bat Worker	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4 Present	Bat boxes introduced in June and December.
20/07/1993	Sunny Box, Sunnybox Lane, Slindon, West Sussex (VC13)	SU970077	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2 Present	A scattering of fresh droppings.

29/06/1993	Beam Ends Tea Room, Binsted, Arundel, West Sussex (VC13)	SU977064	NE Bat Worker	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	28 Present	Bats roosting in oak tree 4.5m above ground.
01/01/1990 - 31/12/1990	Binsted Wood complex, West Sussex (VC13)	SU990068	Jeremy Halls	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	
22/04/1988	St Mary's Vicarage, Walberton, Arundel, West Sussex (VC13)	SU970060	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Identified from 1 old dropping. No bats known to inhabit church.

Pipistrellus pygmaeus

Soprano Pipstrelle (55 kHz)

BAP

For a while considered as a variant of the common pipistrelle, the soprano pipistrelle is now recognised as a separate species. Pipistrelles are the most common bat in the British Isles and are found in all types of countryside (except very exposed areas) as well as in towns and suburbs. This species has a stronger association with water than common pipistrelle. Summer roosts are usually in buildings, though tree holes and bat boxes are also used. Winter roosts are in buildings and tree holes.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
17/07/2006	Slindon Wood, West Sussex (VC13)	SU955077	Frank Greenaway	Trapped	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Male	

Plecotus

Long-eared sp.

It is difficult to distinguish the rare grey long-eared bat from the much more common brown long-eared bat without studying in the hand. This also applies to identifying the species from their droppings.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
01/11/2013	Fontwell	SU94330763	Sue Harris	Droppings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
04/02/2004	53 Elm Grove, Barnham, West Sussex (VC13)	SU956051	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

*Plecotus auritus***Brown Long-eared Bat**

BAP

One of the more common British bat species, but difficult to distinguish from the much rarer grey long-eared bat (*Plecotus austriacus*), unless in the hand. It frequents woodland and orchards and has summer roosts in older buildings and trees. It often hibernates in caves, tunnels and mines. The brown long-eared has declined in the British Isles though it remains widespread.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
04/02/2012	Private property, Avisford Park Road, Walberton	SU975060	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
17/07/2006	Slindon Wood, West Sussex (VC13)	SU955077	Frank Greenaway	Trapped	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Lactating Female	
05/11/2005	Keepers Cottage, Westergate Lane, Westergate, PO20 3SJ, West Sussex (VC13)	SU952060	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Loft insulation required. Owners intolerant and may want to exclude in the future .
12/06/2005	Binsted Wood complex, West Sussex (VC13)	SU990068	J.M. Halls	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	
01/01/1990 - 31/12/1990	Binsted Wood complex, West Sussex (VC13)	SU990068	Jeremy Halls	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bat(s) Present	
09/09/1986	Walberton Church, West Sussex (VC13)	SU971057	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	present In flight	Old droppings in belfry, new droppings around altar.

SUSSEX BIRD INVENTORY



The SxBRC holds nearly 1.5 million bird records provided by the Sussex Ornithological Society (SOS), ranging from 1990 onwards. Records within the breeding season of species classed as sensitive in Sussex are not included in the Bird Inventory report. Any breeding season records of these species within your search area will be flagged up at the top of the report. It is recommended that the SOS is contacted directly for further information as the birds in question will be protected by law and may be affected if potentially damaging operations are to be carried out. The list of withheld species is available on our website: www.sxbrc.org.uk/data-requests/SOS-excluded-data.pdf

Icons used in the Bird Report:



Schedule 1 birds

Schedule 1 of the Wildlife and Countryside Act 1981 provides an additional tier of protection so that rare species are specially protected by increased penalties and cannot be intentionally or recklessly disturbed when nesting. **Schedule 1 status also infers a right of arrest** by a police officer if someone is suspected of committing certain offences against one of these species.

BAP Biodiversity Action Plan Species (UK BAP)

Twenty-six species of bird are identified as Priority Species in the UK Biodiversity Action Plan (UK BAP), each the subject of a dedicated action plan which seeks to reverse their declines and protect vulnerable populations. Any Priority Species recorded within your enquiry area will be indicated in the species information of the bird report. Further details of BAP bird species can be found on the [JNCC website](#).



Natural Environment & Rural Communities (NERC) Act

There are 49 bird species on the England Biodiversity List which was drawn up to meet the requirements of Section 41 of the Act. Further details of the NERC Act can be found on the [Natural England website](#).

Birds of Conservation Concern 3 (2009)

Every five years the leading governmental and non-governmental conservation organisations in the UK review the population status of the 247 species of bird that are regularly found in the UK. There are three lists – Red, Amber and Green - into which each of the species has been placed. 40 species are Red-listed, 121 are Amber-listed and 86 are Green-listed. The status decisions are based on several factors which include: the species' global and European conservation status; recent and historical decline; whether it is a rare breeder; if it is only confined to a few sites in the UK; and if the species is of international importance.



Red List species are those that are **Globally Threatened** according to IUCN criteria; those whose population or range has decline rapidly in recent years; and those that have declined historically and not shown a substantial recent recovery.



Amber List species are those with **Unfavourable Conservation Status** in Europe; those whose population or range has declined moderately in recent years; those whose population has declined historically but made a substantial recent recovery; rare breeders; and those with internationally important or localised populations.

Green List species are those that do not fulfil any of the above criteria. Some of these species are however protected by law and the list includes some Schedule 1 species which have the highest level of protection. A green icon will not appear in our reports.

This information has been obtained from '**Birds of Conservation Concern 3**' (BoCC3) which can be downloaded from the [RSPB website](#).

Other bird legislation and conservation measures:

Wildlife and Countryside Act (WCA) 1981

All British birds, their nests and eggs are protected by UK law. It is an offence to take, kill or injure any wild bird or to take, damage, destroy any nest or egg of any wild bird under Part 1 of the Wildlife and Countryside Act 1981, Schedules 1-4.

Hedgerow removal and birds

It is advisable not to trim, cut or remove hedgerows during the bird nesting season. You will be violating the Wildlife and Countryside Act if there are birds nesting within it due to the disturbance or destruction of their habitat whilst nesting. The Hedgerows Regulations were introduced in 1997 to protect important hedgerows in the countryside. The regulations state that it is a criminal offence, unless an exception applies, to deliberately remove or otherwise destroy a hedgerow without permission. Please apply to your local planning authority for a Hedgerow Removal Application. Domestic hedges are not included in this regulation, however it is still illegal to cut or remove any hedges if birds are suspected to be nesting in it.

Birds in roofs

There are various species that may nest in roofs. Unless they are causing a health hazard, the nests, eggs and chicks are protected by law. The parent birds must not be prevented from gaining access to their nest. Many of the birds that use roof spaces are now species of conservation concern because of their population decline over the past 25 years. Starlings and House Sparrows are Red-listed, while Barn Owls, House Martins and Swallows are Amber-listed (see next page for details). Roofs are also important for Swifts.

Further information about birds and the law can be found on the [RSPB website](#).

Environmental Stewardship Target Species

Farmland birds are one of the key targets of which a landowner can be awarded points through the Higher Level Stewardship scheme. Each Joint Character Area (e.g. High Weald, South Downs, South Coast Plain etc.) has specific key bird species whose populations must be maintained or enhanced to gain points as part of the land owner's 'Farm Environment Plan'. This can be done through a combination of management practices which should provide year round habitat requirements, in locations where these birds are known to be present or within 2km of such sites. If a key farmland bird species appears in your report, it will show to which Joint Character Area it is linked.

Further information about agri-environment schemes can be found on the [RSPB website](#).

EU Birds Directive

The Birds Directive addresses the conservation of all wild birds throughout the European Union, including marine areas, and covers their protection, management, control and exploitation. It applies to the birds, their eggs, nests and habitats. It places a broad requirement on Member States to take necessary measures to maintain the populations of all wild birds at levels determined by ecological, scientific and cultural needs. In doing so, Member States must also consider economic and recreational needs.

The Directive divides into two main parts: **habitat conservation** and **species protection**. In summary, it requires Member States to preserve, maintain and re-establish sufficient diversity and area of habitats for all wild birds.

Annex 1:

Species listed in Annex 1 of the Birds Directive are the subject of special conservation measures concerning their habitat to ensure their survival and reproduction. This includes the designation of areas as Special Protection Areas (SPAs).

Annex 2:

Annex 2 of the Birds Directive lists birds that can be hunted under the legislation of the Member States. The Directive bans certain non-selective methods of hunting and defines the limits within which Member States can set the hunting season.

Further information about the EU Birds Directive can be found on the [BirdLife website](#).

IUCN Red List

The World Conservation Union (IUCN) has been assessing the conservation status of species, subspecies, varieties and even selected sub-populations on a global scale in order to highlight taxa threatened with extinction, and therefore promote their conservation. The IUCN Red List (different from the previously mentioned Red List) is the world's most comprehensive inventory of the global conservation status of plant and animal species. It uses a set of criteria to evaluate the extinction risk of thousands of species and subspecies. These criteria are relevant to all species and all regions of the world. With its strong scientific base, the IUCN Red List is recognized as the most authoritative guide to the status of biological diversity.

Further information about the Red List can be found on the [IUCN website](#).

SUSSEX BIRD INVENTORY REPORT SUMMARY

N.B. The breeding season records of 15 Schedule 1 birds and three other species which are classed as sensitive in Sussex are not included in our biodiversity reports (see www.sxbrc.org.uk/data-requests/SOS-excluded-data.pdf for list of excluded species). 25 such records have been flagged up in this search. The Sussex Ornithological Society (SOS) should be contacted directly for more information on these records if potentially damaging operations are to occur in the enquiry area. Email: conservation@sos.org.uk

Walberton Parish

06 May 2014 ESD/14/227 **Search Area:** SU9604 to SU9904; SU9505 to SU9906; SU9407 to SU9907

Peter Brown

Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Mandarin Duck	<i>Aix galericulata</i>	09/05/1989	05/10/2011	14	50	13
Wood Duck	<i>Aix sponsa</i>	18/04/1988	-	1	2	2
Northern Shoveler	<i>Anas clypeata</i>	13/01/2002	15/01/2006	2	6	4
Eurasian Teal	<i>Anas crecca</i>	05/02/1991	28/01/2012	39	478	82
Eurasian Wigeon	<i>Anas penelope</i>	31/12/1996	28/01/2012	20	511	132
Mallard	<i>Anas platyrhynchos</i>	01/06/1990	08/09/2012	181	5104	413
Gadwall	<i>Anas strepera</i>	11/02/2000	28/01/2012	48	526	73
Common Pochard	<i>Aythya ferina</i>	29/01/1998	09/12/2011	45	271	34
Tufted Duck	<i>Aythya fuligula</i>	31/12/1996	27/05/2012	58	366	110
Brent Goose	<i>Branta bernicla</i>	23/12/1993	-	1	88	88
Greater Canada Goose	<i>Branta canadensis</i>	19/02/1997	20/06/2012	54	603	199
Barnacle Goose	<i>Branta leucopsis</i>	11/11/1997	-	1	11	11
Common Goldeneye	<i>Bucephala clangula</i>	27/11/1999	28/11/1999	2	2	1
Tundra Swan	<i>Cygnus columbianus</i>	29/01/2011	-	1	1	1
Whooper Swan	<i>Cygnus cygnus</i>	12/01/2011	27/02/2011	5	25	5
Mute Swan	<i>Cygnus olor</i>	08/10/1990	28/01/2012	108	730	47
Common Shelduck	<i>Tadorna tadorna</i>	07/02/1995	27/05/2012	11	21	5
Common Swift	<i>Apus apus</i>	02/05/1995	16/06/2012	30	336	200
Little Auk	<i>Alle alle</i>	06/11/1971	-	1	1	1
Ringed Plover	<i>Charadrius hiaticula</i>	20/05/1995	-	1	1	1
European Golden Plover	<i>Pluvialis apricaria</i>	17/12/1991	07/01/2003	9	290	110

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Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Northern Lapwing	<i>Vanellus vanellus</i>	20/11/1993	16/04/2012	42	3288	291
Black-headed Gull	<i>Chroicocephalus ridibundus</i>	15/11/1993	27/05/2012	84	7360	760
Herring Gull	<i>Larus argentatus</i>	14/06/2003	01/07/2012	27	81	25
Mew Gull	<i>Larus canus</i>	28/01/2004	-	1	4	4
Lesser Black-backed Gull	<i>Larus fuscus</i>	18/12/2003	-	1	2	2
Common Sandpiper	<i>Actitis hypoleucos</i>	16/07/1997	07/05/2004	3	6	4
Common Snipe	<i>Gallinago gallinago</i>	20/11/1993	27/02/2012	44	324	35
Eurasian Curlew	<i>Numenius arquata</i>	14/04/1995	27/12/2010	11	188	50
Whimbrel	<i>Numenius phaeopus</i>	14/07/1986	07/08/2006	7	62	35
Eurasian Woodcock	<i>Scolopax rusticola</i>	14/06/1977	27/04/2008	67	117	9
Spotted Redshank	<i>Tringa erythropus</i>	11/10/1998	-	2	2	1
Wood Sandpiper	<i>Tringa glareola</i>	13/08/1996	-	1	1	1
Common Greenshank	<i>Tringa nebularia</i>	18/08/2001	-	1	1	1
Green Sandpiper	<i>Tringa ochropus</i>	07/10/1989	14/10/2000	3	3	1
Common Redshank	<i>Tringa totanus</i>	05/12/1998	10/02/2003	4	4	1
Common Tern	<i>Sterna hirundo</i>	27/05/2002	15/06/2011	6	6	2
Grey Heron	<i>Ardea cinerea</i>	28/12/1995	27/05/2012	87	202	12
Great Bittern	<i>Botaurus stellaris</i>	21/01/1997	10/02/2003	2	2	1
Little Egret	<i>Egretta garzetta</i>	26/07/1999	29/10/2010	17	16	1
White Stork	<i>Ciconia ciconia</i>	03/05/2012	-	2	10	5
Rock Pigeon	<i>Columba livia</i>	15/10/1993	31/07/2011	40	1753	210
Stock Pigeon	<i>Columba oenas</i>	31/12/1990	21/04/2010	25	33	5
Common Wood Pigeon	<i>Columba palumbus</i>	01/06/1990	01/07/2012	193	10404	4000
Eurasian Collared Dove	<i>Streptopelia decaocto</i>	01/06/1990	07/10/2011	49	390	77
European Turtle Dove	<i>Streptopelia turtur</i>	10/06/1984	17/06/1998	9	11	3
Common Kingfisher	<i>Alcedo atthis</i>	03/04/1983	30/11/2010	16	18	2
Common Cuckoo	<i>Cuculus canorus</i>	01/06/1990	14/05/2012	29	30	2
Eurasian Sparrowhawk	<i>Accipiter nisus</i>	06/12/1989	30/09/2011	61	68	4
Common Buzzard	<i>Buteo buteo</i>	30/05/1984	30/05/2012	106	174	6
Osprey	<i>Pandion haliaetus</i>	04/07/1992	29/08/2011	2	2	1
Merlin	<i>Falco columbarius</i>	04/02/1998	21/11/2000	2	2	1
Eurasian Hobby	<i>Falco subbuteo</i>	30/09/2000	08/09/2001	2	2	1
Common Kestrel	<i>Falco tinnunculus</i>	02/10/1989	06/04/2012	99	121	6
Red-legged Partridge	<i>Alectoris rufa</i>	26/11/1994	06/03/2011	13	39	8
Grey Partridge	<i>Perdix perdix</i>	11/06/1993	26/05/2012	38	182	14
Common Pheasant	<i>Phasianus colchicus</i>	01/06/1990	27/05/2012	95	242	15
Corn Crane	<i>Crex crex</i>	10/10/1994	-	1	1	1
Common Coot	<i>Fulica atra</i>	07/02/1995	01/07/2012	125	679	112
Common Moorhen	<i>Gallinula chloropus</i>	01/06/1990	08/09/2012	185	600	25

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Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Water Rail	<i>Rallus aquaticus</i>	29/12/1988	17/10/2005	17	18	2
Long-tailed Tit	<i>Aegithalos caudatus</i>	01/06/1990	11/05/2012	111	664	29
Sky Lark	<i>Alauda arvensis</i>	01/06/1992	01/07/2012	70	294	43
Eurasian Treecreeper	<i>Certhia familiaris</i>	01/06/1990	22/12/2010	29	42	4
Carrion Crow	<i>Corvus corone</i>	01/06/1992	01/07/2012	165	553	12
Carrion Crow	<i>Corvus corone subsp. corone</i>	31/12/1990	-	1	0	0
Rook	<i>Corvus frugilegus</i>	09/05/1988	06/04/2012	116	8139	320
Eurasian Jackdaw	<i>Corvus monedula</i>	31/12/1990	06/04/2012	55	683	250
Eurasian Jay	<i>Garrulus glandarius</i>	01/06/1990	09/03/2012	97	142	4
Black-billed Magpie	<i>Pica pica</i>	31/12/1990	01/07/2012	153	450	15
Corn Bunting	<i>Emberiza calandra</i>	04/03/1988	25/06/2011	37	162	30
Yellowhammer	<i>Emberiza citrinella</i>	01/06/1990	01/07/2012	110	420	27
Reed Bunting	<i>Emberiza schoeniclus</i>	01/06/1992	01/07/2012	56	142	10
Common Linnet	<i>Carduelis cannabina</i>	31/12/1990	03/02/2012	23	112	30
European Goldfinch	<i>Carduelis carduelis</i>	31/12/1990	04/06/2012	89	1763	470
European Greenfinch	<i>Carduelis chloris</i>	31/12/1990	01/07/2012	115	721	130
Eurasian Siskin	<i>Carduelis spinus</i>	31/12/1990	03/02/2012	8	134	50
Hawfinch	<i>Coccothraustes coccothraustes</i>	01/02/1981	04/05/1992	3	10	6
Chaffinch	<i>Fringilla coelebs</i>	01/06/1990	20/06/2012	159	2447	118
Brambling	<i>Fringilla montifringilla</i>	21/05/2006	-	1	1	1
Common Crossbill	<i>Loxia curvirostra</i>	03/02/2012	-	1	1	1
Common Bullfinch	<i>Pyrrhula pyrrhula</i>	01/06/1990	27/05/2012	91	171	10
House Martin	<i>Delichon urbicum</i>	08/05/1995	30/08/2011	16	287	72
Barn Swallow	<i>Hirundo rustica</i>	01/06/1992	20/06/2012	43	166	40
Sand Martin	<i>Riparia riparia</i>	03/04/2010	06/08/2011	3	6	4
Meadow Pipit	<i>Anthus pratensis</i>	27/10/1994	01/02/2005	26	112	44
Tree Pipit	<i>Anthus trivialis</i>	25/05/1988	18/05/2001	7	10	2
Pied Wagtail	<i>Motacilla alba</i>	01/06/1992	19/02/2012	46	520	250
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	10/10/2007	-	1	2	2
Grey Wagtail	<i>Motacilla cinerea</i>	05/11/1993	05/09/2004	14	18	2
Pied Flycatcher	<i>Ficedula hypoleuca</i>	20/08/1990	24/09/1994	6	6	1
Spotted Flycatcher	<i>Muscicapa striata</i>	31/12/1990	03/09/2002	11	27	6
Northern Wheatear	<i>Oenanthe oenanthe</i>	29/08/1995	28/08/2010	6	7	2
Blue Tit	<i>Cyanistes caeruleus</i>	01/06/1990	01/07/2012	174	1187	26
Great Tit	<i>Parus major</i>	01/06/1990	27/04/2012	161	786	16
Coal Tit	<i>Parus ater</i>	01/06/1990	19/02/2012	51	71	6
Willow Tit	<i>Poecile montanus</i>	01/06/1976	03/04/2003	8	13	6
Marsh Tit	<i>Poecile palustris</i>	12/06/1977	30/06/2007	58	94	8
House Sparrow	<i>Passer domesticus</i>	01/06/1992	28/01/2012	80	729	37

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Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Eurasian Tree Sparrow	<i>Passer montanus</i>	05/12/1989	11/03/1995	2	4	2
Hedge Accentor	<i>Prunella modularis</i>	01/06/1990	01/07/2012	154	929	27
Firecrest	<i>Regulus ignicapilla</i>	26/05/2012	24/11/2012	2	2	1
Goldcrest	<i>Regulus regulus</i>	31/12/1990	27/09/2012	83	156	12
European Robin	<i>Erithacus rubecula</i>	01/06/1990	27/05/2012	204	1810	35
Common Nightingale	<i>Luscinia megarhynchos</i>	01/06/1980	21/04/2000	24	50	9
Common Redstart	<i>Phoenicurus phoenicurus</i>	13/08/1994	08/09/2001	5	8	3
Whinchat	<i>Saxicola rubetra</i>	17/09/1990	01/09/2001	10	26	8
Stonechat	<i>Saxicola torquata</i>	21/11/1991	10/02/2003	39	80	5
Wood Nuthatch	<i>Sitta europaea</i>	01/06/1990	19/02/2012	86	130	5
Common Starling	<i>Sturnus vulgaris</i>	31/12/1990	09/12/2011	72	4997	600
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	01/06/1992	27/04/2012	24	49	9
Eurasian Reed Warbler	<i>Acrocephalus scirpaceus</i>	01/06/1992	01/07/2012	33	375	30
Cetti's Warbler	<i>Cettia cetti</i>	01/06/2002	30/04/2011	14	14	2
Common Grasshopper Warbler	<i>Locustella naevia</i>	04/05/1988	05/07/1996	4	3	1
Common Chiffchaff	<i>Phylloscopus collybita</i>	01/06/1990	20/06/2012	127	222	10
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	27/10/2000	-	1	1	1
Wood Warbler	<i>Phylloscopus sibilatrix</i>	17/04/1993	16/04/2005	3	3	1
Willow Warbler	<i>Phylloscopus trochilus</i>	17/03/1989	27/04/2012	51	67	6
Blackcap	<i>Sylvia atricapilla</i>	01/06/1990	01/07/2012	110	260	11
Garden Warbler	<i>Sylvia borin</i>	01/06/1990	29/04/2007	28	28	2
Common Whitethroat	<i>Sylvia communis</i>	14/04/1986	20/06/2012	63	149	10
Lesser Whitethroat	<i>Sylvia curruca</i>	31/12/1990	30/06/2004	13	17	3
Dartford Warbler	<i>Sylvia undata</i>	22/10/1995	23/10/2000	2	2	1
Winter Wren	<i>Troglodytes troglodytes</i>	01/06/1990	01/07/2012	205	1412	50
Redwing	<i>Turdus iliacus</i>	20/11/1993	04/03/2012	61	3026	460
Common Blackbird	<i>Turdus merula</i>	01/06/1990	01/07/2012	252	2441	76
Song Thrush	<i>Turdus philomelos</i>	01/06/1990	10/04/2012	151	284	7
Fieldfare	<i>Turdus pilaris</i>	08/10/1990	10/02/2012	69	5442	1000
Mistle Thrush	<i>Turdus viscivorus</i>	01/06/1990	19/02/2012	42	66	6
Great Cormorant	<i>Phalacrocorax carbo</i>	27/01/1995	27/05/2012	87	197	9
Great Spotted Woodpecker	<i>Dendrocopos major</i>	01/06/1984	09/09/2012	150	204	4
Lesser Spotted Woodpecker	<i>Dendrocopos minor</i>	04/06/1986	03/09/1998	7	6	1
Green Woodpecker	<i>Picus viridis</i>	20/05/1984	01/07/2012	163	206	6
Great Crested Grebe	<i>Podiceps cristatus</i>	21/03/1999	01/07/2012	12	14	2
Little Grebe	<i>Tachybaptus ruficollis</i>	26/03/1993	27/05/2012	75	115	4
European Nightjar	<i>Caprimulgus europaeus</i>	26/07/1986	02/06/2006	52	142	6
Short-eared Owl	<i>Asio flammeus</i>	22/11/2011	17/04/2012	5	16	6
Little Owl	<i>Athene noctua</i>	05/01/1986	06/11/2004	27	35	2

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Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Tawny Owl	<i>Strix aluco</i>	14/06/1977	04/06/2012	25	26	2
Barn Owl	<i>Tyto alba</i>	08/12/1995	20/12/2010	11	11	1

SUSSEX BIRD INVENTORY REPORT

Walberton Parish

06 May 2014 ESD/14/227 **Search Area:** SU9604 to SU9904; SU9505 to SU9906; SU9407 to SU9907
Peter Brown

Please note that all British birds, their nests and eggs are protected in British law. It is an offence to deliberately take, kill or injure any wild bird or to take, damage, or destroy any nest or egg of any wild bird under Part 1 of the Wildlife and Countryside Act 1981 (as amended). However, Schedule 1 of this act provides an additional tier of protection so that rare species are specially protected by increased penalties and cannot be intentionally or recklessly disturbed when nesting. Schedule 1 status also infers a right of arrest by a police officer if someone is suspected of committing certain offences against one of these species. Other statuses listed below can be referenced in the attached sheets.

Aix galericulata

Mandarin Duck

Scarce but increasing introduced resident in Sussex. This ornate eastern Asian duck can be found on lakes and slow-flowing rivers with plenty of surrounding vegetation. It breeds in tree holes.

Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
09/05/1989	05/10/2011	14

Aix sponsa

Wood Duck

First Date	Last Date	No. of Records
18/04/1988	-	1

Anas clypeata

Northern Shoveler A

A very scarce resident duck and a fairly common winter visitor and passage migrant. Easily distinguished by its long and broad spatulate bill which it uses to sift small insects and plant matter from the water. Breeds on marshy, reed-fringed pools and winters on lakes, reservoirs, marshes and estuaries.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2; EC CITES Annex C

First Date	Last Date	No. of Records
13/01/2002	15/01/2006	2

Anas crecca

Eurasian Teal A

This small duck is a scarce resident and common winter visitor to Sussex. It feeds on small invertebrates and seeds, and both male and female show bright green wing patches in flight. The Arun valley is a particularly important overwintering site. It is often present in summer in places such as Rye Harbour, Pagham Harbour and the Arun Valley.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2; EC CITES Annex C

First Date	Last Date	No. of Records
05/02/1991	28/01/2012	39

Anas penelope

Eurasian Wigeon

A common winter visitor and passage migrant. Males show a distinct white wing patch and cream-buff forehead and crown. This medium-sized duck favours estuaries and coastal marshes, but also found on reservoirs and gravel pits. It feeds on aquatic plants, grasses and roots.

Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2; EC CITES Annex C

First Date	Last Date	No. of Records
31/12/1996	28/01/2012	20

Anas platyrhynchos

Mallard



A large common duck found throughout the British Isles both as a breeding resident and winter visitor. Can be seen in most wetland habitats including ponds in urban areas. It feeds on seeds, acorns and berries, plants, insects and shellfish. The population is supplemented each year with birds captive bred for shooting.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
01/06/1990	08/09/2012	181

Anas strepera

Gadwall



A grey-coloured dabbling duck which is a scarce breeder, fairly common winter visitor and passage migrant. Breeds in small numbers throughout south and south east England and East Anglia on still inland waters such as reservoirs and flooded gravel pits. Feeds on stems, leaves and seeds.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
11/02/2000	28/01/2012	48

Aythya ferina

Common Pochard



A stocky diving duck that is a very scarce breeder and fairly common winter visitor and passage migrant. It breeds on large, reed-fringed lakes and winters on lakes, reservoirs and in sheltered bays. It has a varied diet of plants and seeds, snails, small fish and insects.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
29/01/1998	09/12/2011	45

Aythya fuligula

Tufted Duck



A diving duck that needs the deep waters of lakes, reservoirs and gravel pits. Males have a golden eye and a purple head with a tuft. It feeds on molluscs, insects and some plants. It is a scarce breeding species and fairly common resident and winter visitor which is widespread in suitable habitats across East and West Sussex.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
31/12/1996	27/05/2012	58

Branta bernicla**Brent Goose**

This small dark goose is a common winter visitor especially to Chichester and Pagham Harbours where it can be found in the estuaries and shallow coasts with mudflats. It grazes on fields near the coast and on it's main food, eel-grass, on the mud flats. It is also a passage migrant; a few oversummer. This nominate subspecies breeds in western Siberia.

Bird Population Status - amber; Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
23/12/1993	-	1

Branta canadensis**Greater Canada Goose**

A common and increasing introduced resident and partial migrant, showing a grey/brown body and black neck and cap. The Canada goose was introduced around 300 years ago but was not much seen outside waterfowl collections until after World War II when it started to spread. Now the most familiar goose in the British countryside. Canada geese are a complex group of species, subspecies and hybrids. It feeds on vegetation: roots, grass, leaves and seeds.

Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
19/02/1997	20/06/2012	54

Branta leucopsis**Barnacle Goose**

A very scarce winter visitor; often in severe weather; and an increasingly common feral resident. It is a medium-sized sociable goose that feeds on leaves, stems, roots and seeds.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
11/11/1997	-	1

Bucephala clangula**Common Goldeneye**

This medium-sized diving duck is a scarce winter visitor and rare in summer. Mainly recorded from Chichester Harbour, Pagham Harbour and Rye Harbour, as well as Weir Wood and Bewl Water reservoirs. Mussels, insect larvae, small fish and plants make up the diet of this striking black, white and green duck.

Bird Population Status - amber; Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2; Wildlife and Countryside Act 1981 (Schedule 1 Part 2)

First Date	Last Date	No. of Records
27/11/1999	28/11/1999	2

Cygnus columbianus**Tundra Swan**

A scarce winter visitor and scarce passage migrant increasingly threatened by loss of habitat. This is the smallest of the UK's swans and is all white apart from a yellow bill with black tip. It can be found on low-lying wet pastures, flooded grasslands, saltmarshes, lakes and reservoirs where it feeds on leaves, shoots and roots.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2; Nerc Act 2006; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
29/01/2011	-	1

Cygnus cygnus

Whooper Swan



A very scarce winter visitor and passage migrant commoner further north in Britain. Feeds in wet areas, such as flooded fields, on aquatic plants, grass, grain and potatoes.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
12/01/2011	27/02/2011	5

Cygnus olor

Mute Swan

A fairly common resident which has increased recently due to better protection and the control of the sale of lead fishing weights. This elegant large white waterbird has an orange beak and is found on lakes, rivers and other waterbodies where it feeds on water plants, insects and snails.

Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
08/10/1990	28/01/2012	108

Tadorna tadorna

Common Shelduck

A fairly common winter visitor and passage migrant and a scarce but regular breeding species. This large duck has a red bill and black head and is recorded mainly in coastal areas, but also from reservoirs and gravel pits where it feeds on invertebrates, small shellfish and aquatic snails.

Bern Convention Appendix 2; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
07/02/1995	27/05/2012	11

Apus apus

Common Swift



A well-known common summer visitor and passage migrant, widely distributed in Sussex. This sickle-shaped medium-sized dark aerial bird only stops flying when at the nest, it even sleeps on the wing! Many towns and villages have breeding populations. Very large migration movements are sometimes recorded with many thousands of birds involved. Can be seen in large screaming parties speeding around rooftops. They feed on flying insects and airborne spiders.

Bird Population Status - amber

First Date	Last Date	No. of Records
02/05/1995	16/06/2012	30

Alle alle

Little Auk

This small black and white seabird is only the size of a starling, and is a very scarce autumn passage migrant and winter visitor. Recorded only in low and variable annual numbers along the Sussex coast and very rarely inland after strong gales. Its main areas are further north and east in the UK. It feeds on plankton, other tiny marine creatures and fish.

First Date	Last Date	No. of Records
06/11/1971	-	1

Charadrius hiaticula**Ringed Plover**

A small dumpy wader with short legs, a brown back and a white belly, which is a fairly common breeder along the Sussex coast, as well as a passage migrant and winter visitor. The British wintering sites, including those in Sussex, are of international importance. Wintering and breeding sites include shingle and sandy beaches, where they can feed on flies, spiders, marine worms, crustaceans and molluscs.

Bern Convention Appendix 2; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
20/05/1995	-	1

Pluvialis apricaria**European Golden Plover**

A common winter visitor and passage migrant often with quite large numbers on levels and coastal grasslands where it can feed on beetles and worms; this species is rarely seen in Sussex in the summer. This medium-sized Plover is buff, white and black in the winter and can be seen flying in tight flocks, often associating with Lapwings.

Bird Population Status - amber; Birds Directive Annex 1; Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
17/12/1991	07/01/2003	9

Vanellus vanellus**Northern Lapwing**

A large wader which is a familiar farmland and wetland bird, is a scarce breeder and very common winter visitor that is widespread in Sussex. The bird declined markedly in South East England at the end of the last century. The favoured breeding habitat is mixed farmland and suitable habitats have been in short supply. Its diet consists of worms and insects.

Bird Population Status - red; Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2; Environmental Stewardship Target Species (Pevensy Levels); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs); Environmental Stewardship Target Species (Wealden Greensand); Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec); UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
20/11/1993	16/04/2012	42

Chroicocephalus ridibundus**Black-headed Gull**

This medium-sized gull has a chocolate-coloured head in the summer and a white head for the rest of the year. It is a common breeding species, abundant winter visitor and passage migrant occurring both inland and on the coast. This is the most numerous and widespread gull in Sussex and can be found feeding in small groups and flocks on coastal habitats as well as inland on ploughed fields and playing fields; it's diet is made up of worms, insects, fish and carrion.

Bird Population Status - amber; Birds Directive Annex 2.2

First Date	Last Date	No. of Records
15/11/1993	27/05/2012	84

Larus argentatus**Herring Gull**

This large gull is a common breeding resident, passage migrant and winter visitor, but one that has suffered moderate declines over the last 25 years. It breeds, often in colonies, in coastal locations including on rooftops. Widely recorded both inland, including reservoirs and rubbish tips, and in most coastal habitats including shingle beaches. It is omnivorous and is a voracious scavenger.

Bird Population Status - red; Birds Directive Annex 2.2; Nerc Act 2006; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
14/06/2003	01/07/2012	27

Larus canus**Mew Gull**

The Mew Gull (also known as the Common Gull) is a smaller, more gentle-looking, version of the Herring Gull. It is a common winter visitor and passage migrant with small numbers in the summer; it bred in Sussex until 1963 and attempted to breed in 2006. Widely recorded both inland in towns and on farmland, and on the coast especially in estuarine habitats. It has a varied diet of worms, insects, fish, carrion and rubbish.

Bird Population Status - amber; Birds Directive Annex 2.2

First Date	Last Date	No. of Records
28/01/2004	-	1

Larus fuscus**Lesser Black-backed Gull**

Fairly common passage migrant and winter visitor; small numbers (mainly immatures) summer and a few pairs breed on rooftops in towns. Can be found in coastal areas in the summer and on farmland in the winter; roosting on large bodies of water such as reservoirs. Its an omnivore and scavenges a wide range of food.

Bird Population Status - amber; Birds Directive Annex 2.2

First Date	Last Date	No. of Records
18/12/2003	-	1

Actitis hypoleucos**Common Sandpiper**

This smallish wader is a fairly common passage migrant, recognised by its bobbing motion and high pitched call. A few regularly winter and has bred at least once. This wader is most commonly seen on muddy margins along rivers, and around pools and reservoirs.

Bird Population Status - amber; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
16/07/1997	07/05/2004	3

Gallinago gallinago**Common Snipe**

Now a very scarce breeder and fairly common winter visitor favouring poorly drained pasture. The UK population of Snipe has undergone particularly steep declines in lowland wet grassland in the past twenty-five years. It is a plump medium-sized wader with short legs and a long bill used to probe for small invertebrates, including worms and insect larvae. Males display by flying high in the air and then dropping steeply producing a noise by vibrating their tail feathers.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
20/11/1993	27/02/2012	44

Numenius arquata**Eurasian Curlew**

Formerly a very scarce breeder; this large wader is a common passage migrant and winter visitor. Mainly recorded from marshes, mudflats and saltmarsh, but sometimes elsewhere. Easily recognisable by its long down-curved bill which it uses to catch worms, shellfish and shrimps, and its distinctive bubbling call.

Bird Population Status - amber; Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
14/04/1995	27/12/2010	11

Numenius phaeopus

Whimbrel



This large wader with a long curved bill, is a common passage migrant, and a very scarce summering and wintering species. Usually recorded close to the Sussex coast in spring on estuaries, saltmarshes, coastal lagoons, muddy and rocky shores, nearby fields and some are seen inland. On passage they feed on crabs, shrimps, molluscs and worms.

Bird Population Status - red; Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
14/07/1986	07/08/2006	7

Scolopax rusticola

Eurasian Woodcock



The Woodcock is a large bulky wading bird with short legs and a long tapered bill used for probing the earth for worms, beetles, spiders, caterpillars, fly larvae and small snails. It is a fairly common resident and winter visitor found mainly in the more heavily wooded parts of The Weald as it needs large areas of moist woodland with rides, dense undergrowth and damp areas for feeding. It is well known for its "Roding" display flight when it makes lots of croak and whistle sounds while flying slowly around its territory.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
14/06/1977	27/04/2008	67

Tringa erythropus

Spotted Redshank



This medium-sized wader is a scarce passage migrant and winter visitor. Over half the UK wintering population is found at fewer than ten sites, making them an Amber List species of medium conservation concern.

Bird Population Status - amber; Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
11/10/1998	-	2

Tringa glareola

Wood Sandpiper



A very scarce spring and scarce autumn migrant, which has only been recorded once in winter. This medium-sized wader is usually associated with freshwater sites both close to the coast and inland such as on the edges of lakes and pools and on marshes where it can feed on insects, worms, spiders, shellfish and small fish.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
13/08/1996	-	1

Tringa nebularia

Common Greenshank



This medium-sized slim wader has dark upperparts, white underparts and long green legs. In Sussex it is a fairly common passage migrant, and a few overwinter. More commonly recorded in West Sussex at places such as Chichester and Pagham Harbours, but also recorded elsewhere along the Sussex coast on estuaries and saltmarshes, and at some inland sites such as gravel pits and reservoirs. Its diet is made up of worms, snails and fish.

Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
18/08/2001	-	1

Tringa ochropus**Green Sandpiper**

A scarce spring and fairly common autumn passage migrant recorded from a wide range of fresh water sites in Sussex, both inland and near the coast preferring freshwater margins. Small numbers overwinter in Sussex. It is a dark and white medium sized wader with a distinctive white rump and it feeds on insects.

Bern Convention Appendix 2; Bird Population Status - amber; Convention on Migratory Species; Appendix 2; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
07/10/1989	14/10/2000	3

Tringa totanus**Common Redshank**

A medium-sized wader with a long red bill and long red legs. It is a scarce resident in wetlands close to rivers, and a fairly common winter visitor and passage migrant. Its preferred habitats are wet grassland, estuaries and saltmarshes where it can feed on insects, earthworms, molluscs and crustaceans. Most breeding sites in Sussex are within protected areas, such as nature reserves, which employ specific management for breeding waders.

Bird Population Status - amber; Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2; Environmental Stewardship Target Species (Pevensy Levels); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs)

First Date	Last Date	No. of Records
05/12/1998	10/02/2003	4

Sterna hirundo**Common Tern**

Fairly common breeding summer visitor and common passage migrant. This medium sized white and grey tern has a black cap and a red beak. It breeds on the coast on shingle and on man made rafts on inland waterbodies. It feeds on fish caught both at sea and on fresh water.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1

First Date	Last Date	No. of Records
27/05/2002	15/06/2011	6

Ardea cinerea**Grey Heron**

A fairly common resident, the Grey Heron is increasing in numbers and can be found in most wetland areas standing silently at the water's edge waiting for fish prey. Breeds colonially in tall trees near to plentiful fish supplies.

First Date	Last Date	No. of Records
28/12/1995	27/05/2012	87

Botaurus stellaris**Great Bittern**

This elusive bird, well known for its "booming" call, is rare but increasing within the UK. In the breeding season it is confined almost entirely to lowland marshes and reedbeds in Norfolk, Suffolk and Lancashire where it feeds principally on fish and amphibians. It has been recorded as a scarce wintering species in several Sussex wetlands including those at the Rye Harbour NR where extensive work has been undertaken to improve conditions for it. It is rare outside the winter months.

Bern Convention Appendix 2; Bird Population Status - red; Birds Directive Annex 1; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
21/01/1997	10/02/2003	2

Egretta garzetta**Little Egret**

A medium-sized white heron with characteristic bright yellow feet. It overwinters in Britain primarily on estuaries in the south and west and it has been breeding at a few southern sites since 1996. The little egret has been recorded from many places along Sussex coasts and estuaries and Chichester and Langstone Harbours are one of the best British locations. It feeds on fish.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1; EC CITES Annex A

First Date	Last Date	No. of Records
26/07/1999	29/10/2010	17

Ciconia ciconia**White Stork**

A rare vagrant; mainly in the spring. It feeds in marshy areas mainly on frogs and large insects, but also young birds, lizards and rodents. (see details at www.sos.org.uk)

Bern Convention Appendix 2; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
03/05/2012	-	2

Columba livia**Rock Pigeon**

The Feral Pigeon comes in many different shades and is a common resident especially in urban areas; where the numbers are allowed to increase it can become a pest. This is the same species as the rock dove (not found wild in our area) and originally kept to provide food. Often under recorded but widespread in Sussex. Feeds on grain and cereals.

Birds Directive Annex 2.1; EC CITES Annex A

First Date	Last Date	No. of Records
15/10/1993	31/07/2011	40

Columba oenas**Stock Pigeon**

This species is similar in appearance to the Feral Pigeon and is a common resident and possible winter visitor. Mostly recorded north of the Downs in ancient woods and parkland as well as cliffs and quarries. It declined considerably when organochlorine pesticides were in use, but has made a steady recovery. Feeds on seed.

Bird Population Status - amber; Birds Directive Annex 2.2

First Date	Last Date	No. of Records
31/12/1990	21/04/2010	25

Columba palumbus**Common Wood Pigeon**

This is the UK's largest and most common pigeon and is an abundant resident and winter visitor. Found in woodland, farmland and urban areas, and can be seen in large flocks in fields in the winter. Feeds on crops like cabbages, sprouts, peas and grain. Also buds, shoots, seeds, nuts and berries.

Birds Directive Annex 2.1

First Date	Last Date	No. of Records
01/06/1990	01/07/2012	193

Streptopelia decaocto

Eurasian Collared Dove

This species is a very common resident closely associated with human habitation and can be found on farms, in gardens and in parks where it can feed on seeds and grain. After spreading across Europe, this species first bred in Britain in 1955 and arrived in Sussex in 1958; it is now found throughout the area. It has a distinctive buff plumage with a black neck collar and is usually seen in pairs. It is well known for its monotonous cooing.

Birds Directive Annex 2.2

First Date	Last Date	No. of Records
01/06/1990	07/10/2011	49

Streptopelia turtur

European Turtle Dove

BAP N R

A scarce summer visitor and passage migrant that breeds at the northern edge of its range in the UK. It is confined largely to the south and east of England and is associated with fertile arable farmland in warm, dry situations where it feeds on seed. Nests in thick hedges, bushes and low trees in woodland edges, copses, commons, heaths and parkland. Easily identified by its evocative purring call.

Bird Population Status - red; Birds Directive Annex 2.2; EC CITES Annex A; Environmental Stewardship Target Species (High Weald); Environmental Stewardship Target Species (Low Weald); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs); Environmental Stewardship Target Species (Wealden Greensand); Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
10/06/1984	17/06/1998	9

Alcedo atthis

Common Kingfisher

A !

Fairly common resident and occasional winter visitor which is widespread across Sussex, but often declines following hard winters. A brilliantly coloured blue and orange bird which can be found in lowland freshwater areas such as rivers, ponds and streams, and during the winter on the coast and in estuarine areas. Nests in hole in riverbank or sandpit.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
03/04/1983	30/11/2010	16

Cuculus canorus

Common Cuckoo

BAP N R

The Cuckoo is a fairly common summer visitor though usually absent from urban areas and has one of the best known voices of a bird in the UK. The species has shown a moderate decline. They are well-known brood parasites, the females laying their eggs in the nests of other birds. It breeds in a variety of habitats including farmland, wetland and woodland where its familiar call can be heard. It's diet consists of insects, especially hairy caterpillars.

Bird Population Status - red; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
01/06/1990	14/05/2012	29

Accipiter nisus

Eurasian Sparrowhawk

The Sparrowhawk is a common resident and passage migrant. A bird that decreased substantially in the middle of the last century following the widespread use of organochlorine pesticides. It has now made a good recovery and is the second commonest Sussex raptor. The Sparrowhawk's tail and wings are adapted for fast low flying through trees and branches where it catches small bird prey. It nests in trees and hedges, and they are now regular garden visitors.

Convention on Migratory Species; Appendix 2; EC CITES Annex A

First Date	Last Date	No. of Records
06/12/1989	30/09/2011	61

Buteo buteo**Common Buzzard**

A fairly common resident, passage migrant, and regular visitor. Probably much more frequent before persecution reduced its numbers. Well-established in Ashdown Forest and central West Sussex with occasional records from elsewhere. It feeds on small mammals, birds and carrion.

Convention on Migratory Species; Appendix 2; EC CITES Annex A

First Date	Last Date	No. of Records
30/05/1984	30/05/2012	106

Pandion haliaetus**Osprey**

This impressive black and white bird of prey is a scarce passage migrant, identified by its uniquely shaped wings which kink at the wrist to make an "M" shape. This is a species that has increased steadily over the last fifty years with records from the coast and reservoirs inland. It can be seen hovering over water before it plunges in, feet first, to catch its fish prey.

Bird Population Status - amber; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
04/07/1992	29/08/2011	2

Falco columbarius**Merlin**

The Merlin is the UK's smallest bird of prey which has a fast, agile flight which it needs in order to catch small bird prey. It is a scarce winter visitor and passage migrant to Sussex where it is recorded mainly from coastal farmland and marshes. It is similar to a Kestrel, but has shorter broader wings, a square-cut tail and darker duller plumage.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
04/02/1998	21/11/2000	2

Falco subbuteo**Eurasian Hobby**

Scarce breeding summer visitor and regular passage migrant. An agile species which feeds on insects and small birds, associated with heathlands that is now also found on farmland with pine clumps and woodland. Widely recorded in Sussex.

Bern Convention Appendix 2; Convention on Migratory Species; Appendix 2; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
30/09/2000	08/09/2001	2

Falco tinnunculus**Common Kestrel**

This well-known bird of prey is a fairly common resident and passage migrant, which can often be seen hovering over roadside verges, open country, parks and towns looking for small mammal prey. It is our commonest raptor and it is widespread in Sussex. The Kestrel has characteristic pointed wings, long tail and chestnut colour. They have been recently declining as a result of habitat degradation due to continuing intensive management of farmland.

Bern Convention Appendix 2; Bird Population Status - amber; Convention on Migratory Species; Appendix 2; EC CITES Annex A

First Date	Last Date	No. of Records
02/10/1989	06/04/2012	99

Alectoris rufa**Red-legged Partridge**

This is a striking looking bird that is an introduced resident established since the mid-19th century; it is now widespread in Sussex. The population is augmented annually by shooting estates from captive bred stock and it has also hybridised with an introduced partridge called the 'chukar' (*Alectoris chukar*) in part of West Sussex. It is usually seen in groups in open fields, where it feeds on roots and seeds.

Birds Directive Annex 2.1

First Date	Last Date	No. of Records
26/11/1994	06/03/2011	13

Perdix perdix**Grey Partridge****BAP N R**

A medium-sized gamebird with a distinctive orange face, which is a scarce and decreasing resident species that has suffered a major decline nationally. It was formerly widespread on the South Downs but is now very scarce there. Found in arable areas where it feeds on leaves, seeds and insects. However, it continues to be recorded in larger numbers in the far East of the county around Rye Bay.

Bird Population Status - red; Birds Directive Annex 2.1; Environmental Stewardship Target Species (High Weald); Environmental Stewardship Target Species (Low Weald); Environmental Stewardship Target Species (Pevensy Levels); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs); Environmental Stewardship Target Species (Wealden Greensand); Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
11/06/1993	26/05/2012	38

Phasianus colchicus**Common Pheasant**

A very common introduced resident only absent from places like the Pevensy Levels, probably because there is little cover. The population is augmented annually by shooting estates from captive bred stock. The male is unmistakable with its long tail-feathers and rich chestnut colour. Feeds on seeds, grain and shoots.

Birds Directive Annex 2.1

First Date	Last Date	No. of Records
01/06/1990	27/05/2012	95

Crex crex**Corn Crane****BAP N R !**

This once common bird is now a globally threatened species. In the British Isles it now only breeds in the far north and west and is protected under Schedule 1 of the Wildlife & Countryside Act 1981. This elusive bird formerly bred in Sussex but is now only occasionally recorded as a very scarce passage migrant. It feeds on insects and seeds.

Bern Convention Appendix 2; Bird Population Status - red; Birds Directive Annex 1; Convention on Migratory Species; Appendix 2; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
10/10/1994	-	1

Fulica atra**Common Coot**

A black medium-sized bird which is a common resident, with numbers much increased by visitors outside the breeding season. Breeds in any suitable freshwater habitat, where it can feed on vegetation, snails and insect larvae. Its white beak and "shield" gives it a bald look against its black plumage.

Birds Directive Annex 2.1

First Date	Last Date	No. of Records
07/02/1995	01/07/2012	125

Gallinula chloropus**Common Moorhen**

This ground-dwelling medium-sized bird is a very common resident and winter visitor. It is found all year round in virtually all freshwater habitats across Sussex, where it feeds on water plants, seeds, fruit, grasses, insects, snails and worms. It is slate grey, brown and white with a striking red and yellow bill.

Birds Directive Annex 2.2; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
01/06/1990	08/09/2012	185

Rallus aquaticus**Water Rail**

A scarce resident, winter visitor and passage migrant. A highly secretive bird of overgrown streams, ditches and reedbeds, though sometimes found in drier areas. Most records are from suitable sites along the coast, but there are some inland. Feeds mainly on small fish, snails and insects and it's loud pig-like squealing calls make this bird more often heard than seen.

Birds Directive Annex 2.2

First Date	Last Date	No. of Records
29/12/1988	17/10/2005	17

Aegithalos caudatus**Long-tailed Tit**

This charming small bird is a very common resident found in woodland, farmland hedgerows, scrubland, parks and gardens. In winter they form flocks with other tit species. They are widespread across Sussex. It is easily recognised as it has a very long tail, and distinctive pink, white and black colouration. It feeds on insects and sometimes seed during the autumn and winter.

First Date	Last Date	No. of Records
01/06/1990	11/05/2012	111

Alauda arvensis**Sky Lark****BAP N R**

In Sussex a fairly common resident, passage migrant and winter visitor. This lark has a brown back, white front and a small crest. It can be found in open countryside such as lowland farmland where it feeds on seeds and insects, and is recognised by its distinctive song flight which can last for many hours. A species of high conservation concern.

Bird Population Status - red; Birds Directive Annex 2.2; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species)

First Date	Last Date	No. of Records
01/06/1992	01/07/2012	70

Certhia familiaris**Eurasian Treecreeper**

A small brown and white bird which is a common resident frequenting coniferous and deciduous woods, small copses, parks and gardens with mature trees. It can also be found in thick hedges in winter. It is widespread in woodland areas across Sussex. It moves like a mouse moving up tree trunks looking for insects and spiders.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
01/06/1990	22/12/2010	29

Corvus corone**Carrion Crow**

This all black crow is a very common resident found almost everywhere, from the centre of cities to heathland and from woodlands to the seashore, using trees, cliffs and buildings as nest sites. It feeds on carrion, insects, worms, seeds, fruit and any scraps. Recorded almost everywhere in Sussex.

Birds Directive Annex 2.2

First Date	Last Date	No. of Records
01/06/1992	01/07/2012	165

Corvus corone subsp. corone**Carrion Crow**

Birds Directive Annex 2.2

First Date	Last Date	No. of Records
31/12/1990	-	1

Corvus frugilegus**Rook**

This large black crow with a prominent white beak is a very common resident of lowland farmland of open fields, especially grassland with tall trees close by where they build their nests. Nearly always found in gregarious flocks, and regularly with Jackdaws. Widespread in Sussex though less so in the north east Weald. The Rook feeds on worms, grain and insects.

Birds Directive Annex 2.2

First Date	Last Date	No. of Records
09/05/1988	06/04/2012	116

Corvus monedula**Eurasian Jackdaw**

This small black and grey crow is a very common resident of woodland, parks and gardens with areas of grassland, often seen in pairs or small flocks. In towns it will nest in roofs and chimneys which simulate its more natural tree hole sites. In winter it spends time in stubble and ploughed fields and pasture, often in the company of Rooks. It feeds on insects, seeds and scraps.

Birds Directive Annex 2.2

First Date	Last Date	No. of Records
31/12/1990	06/04/2012	55

Garrulus glandarius**Eurasian Jay**

The most colourful of the regions crow family, the Jay is a very common resident of broad-leaved and coniferous woodland. It has also moved into parks, cemeteries and gardens where there are mature trees. They are secretive birds that usually only make their presence known with a screaming call. Widespread across Sussex but absent or less frequent in the coastal plain. They feed on acorns, nuts, seeds and insects; burying some acorns for retrieval later on in the winter.

Birds Directive Annex 2.2

First Date	Last Date	No. of Records
01/06/1990	09/03/2012	97

Pica pica**Black-billed Magpie**

This well-known black and white bird is a very common resident of woodland, farmland, parks and gardens - though they prefer grassland with thick hedges or scattered trees. Frequent in towns and widespread across Sussex. Often seen in small flocks; they are omnivorous scavengers.

Birds Directive Annex 2.2

First Date	Last Date	No. of Records
31/12/1990	01/07/2012	153

Emberiza calandra**Corn Bunting****BAP N **

A non-descript brown bunting that is a fairly common but decreasing resident with most records from the Downs and the east of East Sussex. One of the few UK bird species largely dependent on cropped land and it seems particularly to like barley. It feeds on seeds and insects. It can also be found on heathland and open countryside. Its has had a dramatic population decline in the UK.

Bird Population Status - red; Environmental Stewardship Target Species (Romney Marsh); Nerc Act 2006; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
04/03/1988	25/06/2011	37

Emberiza citrinella**Yellowhammer**

BAP N R

A strikingly yellow bunting that is a fairly common resident that favours open country such as farmland with hedgerows and bushes, heaths, commons and areas of scrubland. It feeds on insects and seed. It is widespread in Sussex but has suffered recent declines. Well known for their "a little bit of bread and no cheeeese" song.

Bern Convention Appendix 2; Bird Population Status - red; Environmental Stewardship Target Species (High Weald); Environmental Stewardship Target Species (Low Weald); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs); Environmental Stewardship Target Species (Wealden Greensand); Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
01/06/1990	01/07/2012	110

Emberiza schoeniclus**Reed Bunting**

BAP N A

A black, white and brown bunting that is a fairly common resident, passage migrant and winter visitor typically found in wet vegetation but it has recently spread into farmland and, in winter, into gardens. It feeds on seeds and insects. It has suffered a serious population decline in recent years.

Bern Convention Appendix 2; Bird Population Status - amber; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
01/06/1992	01/07/2012	56

Carduelis cannabina**Common Linnet**

BAP N R

A small finch that declined rapidly, particularly in the 1970s and 1980s. Populations have subsequently been stable, but not increasing thought partly to do with the destruction of hedges which it requires for nesting sites. Widely recorded across East and West Sussex, often near the coast or on farmland where it feeds on seeds and insects.

Bern Convention Appendix 2; Bird Population Status - red; Nerc Act 2006; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
31/12/1990	03/02/2012	23

Carduelis carduelis**European Goldfinch**

A colourful finch which is a common summer visitor, passage migrant and fairly common winter visitor. It likes trees and bushes with areas of tall weeds nearby and often breeds in parks, gardens, nurseries, orchards and churchyards as well as in the wider countryside. Its diet consists of insects and seeds, particularly thistle and teasel, and it is often seen in social flocks.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
31/12/1990	04/06/2012	89

Carduelis chloris**European Greenfinch**

This finch has distinctive green-yellow wing patches and is very common resident, scarce passage migrant and winter visitor. It can be found anywhere in Sussex with tall, fairly dense trees and plenty of seeds and insects. In winter it tends to feed in fields, gardens and along the seashore, often joining with flocks of other finches and buntings.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
31/12/1990	01/07/2012	115

Carduelis spinus**Eurasian Siskin**

A yellow-green and black bird that is a common winter visitor, passage migrant and a very scarce breeder mainly in mature conifer woods close to heathlands. There are many coastal records and it is often seen feeding on alder seeds along rivers. There is an increasing tendency to visit peanut feeders in gardens.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
31/12/1990	03/02/2012	8

Coccothraustes coccothraustes**Hawfinch****BAP N R**

This is our largest finch, with a massive powerful bill for eating seeds, buds and shoots. A scarce breeding resident and very scarce passage migrant. An elusive finch of mixed deciduous woodland recorded rather more frequently in East Sussex. This species is probably under-recorded in the county owing to its secretive nature.

Bern Convention Appendix 2; Bird Population Status - red; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
01/02/1981	04/05/1992	3

Fringilla coelebs**Chaffinch**

This colourful finch is an abundant resident, passage migrant and winter visitor. It is Britain's second commonest breeding bird favouring places with trees and bushes, including coniferous and deciduous woodland, farmland hedgerows, parks and rural and suburban gardens where it can feed on seeds and insects. It is recorded almost everywhere in Sussex.

First Date	Last Date	No. of Records
01/06/1990	20/06/2012	159

Fringilla montifringilla**Brambling****!**

This finch is a fairly common winter visitor and passage migrant of fields, woodland edges, beech woods, parks and gardens. It often forms large feeding flocks with other finches feeding on seeds.

Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
21/05/2006	-	1

Loxia curvirostra**Common Crossbill****!**

A chunky finch with a large head and bill, it is a scarce visitor occurring in large numbers in particularly favourable years. Feeds almost exclusively on seeds in conifer woodlands. Breeds occasionally and can be seen flying in family groups or larger flocks.

Bern Convention Appendix 2; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
03/02/2012	-	1

Pyrrhula pyrrhula**Common Bullfinch****BAP N A**

A fairly common and widespread resident species found in woodland, in orchards and on farmland, where it is closely associated with dense shrubs, scrub and untrimmed hedges. It is a stout finch which feeds on seeds, buds and insects (for its young). It has declined substantially in recent years mainly due to habitat changes.

Bird Population Status - amber; Nerc Act 2006; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
01/06/1990	27/05/2012	91

Delichon urbicum**House Martin**

A distinctive hirundine with a forked tail and white rump, it is a common summer visitor and abundant passage migrant. It is more abundant in urban areas than in the countryside because of the availability of suitable nesting sites in the eaves of buildings, but it will feed on around insects that it finds on agricultural land and around water.

Bern Convention Appendix 2; Bird Population Status - amber

First Date	Last Date	No. of Records
08/05/1995	30/08/2011	16

Hirundo rustica**Barn Swallow**

Our familiar swallow with long tail streamers is a common summer visitor and abundant passage migrant. They are agile in flight and spend most of their time on the wing hunting. They often breed in quiet farm buildings with nearby ponds and open pasture especially near cattle where they can feed on plentiful insects. Reedbeds are used as pre-migration roosts in late summer and early autumn.

Bern Convention Appendix 2; Bird Population Status - amber

First Date	Last Date	No. of Records
01/06/1992	20/06/2012	43

Riparia riparia**Sand Martin**

This small hirundine is a fairly common summer visitor and very common passage migrant, often seen in large gregarious flocks. The Sand Martin needs suitable sandy quarries or cliffs in which to excavate its nesting burrows and it therefore has a restricted distribution as a breeding species in Sussex. It is an agile flier and takes invertebrates in flight over water; it is often seen above rivers and water bodies such as gravel pits and reservoirs. On passage they roost in reedbeds.

Bern Convention Appendix 2; Bird Population Status - amber

First Date	Last Date	No. of Records
03/04/2010	06/08/2011	3

Anthus pratensis**Meadow Pipit**

This small brown, streaky bird is a locally common resident, very common passage migrant and winter visitor; probably under recorded. It favours open country including farmland, flooded meadows, heathland and grassland where it can feed on spiders and insects such as flies, beetles and moths. Found widely in the southern half of the county and on Ashdown Forest, but rarely seen elsewhere in Sussex. They can often be seen in small flocks in the winter.

Bern Convention Appendix 2; Bird Population Status - amber

First Date	Last Date	No. of Records
27/10/1994	01/02/2005	26

Anthus trivialis**Tree Pipit**

This pipit is a fairly common but local summer visitor and passage migrant, with most records coming from the Ashdown Forest area and from the heaths in West Sussex. It nests on the ground in open woodland, including young conifer plantations and heaths where there are suitable song-posts from which males can display. It feeds mainly on small invertebrates, and some plant matter, especially berries, in autumn. Numbers have seen a moderate decline in the past 25 years.

Bern Convention Appendix 2; Bird Population Status - red; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species)

First Date	Last Date	No. of Records
25/05/1988	18/05/2001	7

Motacilla alba**Pied Wagtail**

A common resident, passage migrant and winter visitor. Pied wagtails prefer habitats near water - river banks or lake edges with a stony or gravelly shore as well as moorland, farmland, coasts, estuaries, parks and gardens. Widespread across Sussex. *Motacilla alba yarrelli* is the main subspecies of the British Isles and is generally darker than the subspecies commoner in mainland Europe *Motacilla alba alba*. It feeds on insects and can be found in large roosts in urban areas during the winter.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
01/06/1992	19/02/2012	46

Motacilla alba subsp. yarrellii**Pied Wagtail**

Bern Convention Appendix 2

First Date	Last Date	No. of Records
10/10/2007	-	1

Motacilla cinerea**Grey Wagtail**

This small grey and yellow bird is a fairly common resident, passage migrant and winter visitor. This species has gradually increased its range in the past 150 years and has expanded into the English lowlands from the northern and western uplands. It has suffered recent moderate declines. It can be found on flowing freshwater, nesting on bridge supports and other constructions, and also at sewage farms, farmyards, lakes and canals where they can catch insects to feed on.

Bern Convention Appendix 2; Bird Population Status - amber

First Date	Last Date	No. of Records
05/11/1993	05/09/2004	14

Ficedula hypoleuca**Pied Flycatcher**

Scarce passage migrant; more numerous in autumn than spring. Has bred. Often recorded in some numbers near the coast in woods and copses during autumn migrations. It feeds on insects and caterpillars; fruit and seeds in late summer and on migration.

Bird Population Status - amber; Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
20/08/1990	24/09/1994	6

Muscicapa striata**Spotted Flycatcher**

BAP N R

A scarce summer visitor and fairly common passage migrant which prefers open woodland with ample clearings and prominent perches, but can adapt well to gardens and parks which provide similar feeding opportunities. It feeds on insects, which it catches by flying from a perch. This species has suffered recent dramatic population declines.

Bern Convention Appendix 2; Bird Population Status - red; Convention on Migratory Species; Appendix 2; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec); UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
31/12/1990	03/09/2002	11

Oenanthe oenanthe**Northern Wheatear**

Very scarce breeding summer visitor and common passage migrant. Once one of the characteristic downland birds, this species declined drastically from 1938 and is now mainly recorded on or near the coast and Downs where it feeds on insects and larvae. Its black mask and white rump are key identification features and the only regular breeding area in Sussex is the Rye Bay area.

Bern Convention Appendix 2; Bird Population Status - amber

First Date	Last Date	No. of Records
29/08/1995	28/08/2010	6

Cyanistes caeruleus**Blue Tit**

This colourful small bird is an abundant resident found mainly in deciduous woodland. It has adapted to gardens with mature trees or nestboxes and is also found in parkland, hedgerows and conifers. Recorded almost everywhere in Sussex. It feeds on insects, caterpillars, seeds and nuts, and is a regular visitors to garden birdfeeders.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
01/06/1990	01/07/2012	174

Parus major**Great Tit**

This is the UK's largest tit, and is an abundant resident. It is a woodland bird which has readily adapted to man-made habitats and is a familiar garden visitor. It feeds on insects, seeds and nuts and will readily visit garden birdfeeders and use nestboxes. It can also be found along hedgerows and in parks and coniferous woodland. Recorded almost everywhere in Sussex.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
01/06/1990	27/04/2012	161

Periparus ater**Coal Tit**

A small bird that is a very common resident that favours woodland, especially conifer woods, parks and gardens. It feeds on insects, seeds and nuts and is a regular visitor to peanut feeders in gardens. It is widespread in Sussex. In winter it joins with other tits to form feeding flocks.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
01/06/1990	19/02/2012	51

Poecile montanus**Willow Tit****BAP N R**

A scarce resident that favours damp woodland close to rivers, streams and gravel pits. It also likes undergrowth in broadleaved woodland and is sometimes found well away from water in marginal habitat not so suitable for other Tit species. This species has suffered recent population declines. It has a large sooty-black cap extending to the back of the neck and a small untidy black bib; it feeds on insects, seeds and berries.

Bern Convention Appendix 2; Bird Population Status - red; Nerc Act 2006; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
01/06/1976	03/04/2003	8

Poecile palustris**Marsh Tit****BAP N R**

A smart looking bird with a black bib and glossy black cap. It is a fairly common resident preferring woodland areas, normally away from the coast. Also found in orchards, mature gardens and parkland. It feeds on insects and seeds. It has seen recent population declines.

Bern Convention Appendix 2; Bird Population Status - red; Nerc Act 2006; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
12/06/1977	30/06/2007	58

Passer domesticus**House Sparrow**BAP N 

This well-known noisy and gregarious bird is a very common, but possibly declining resident, recorded almost everywhere in Sussex. Found both in urban areas and the countryside, it normally feeds and breeds near people. It feeds on seeds and scraps. Although vanishing from the centre of many cities, it is not uncommon in most towns and villages, though it is declining. This has earned it a place on the Red List of species of conservation concern.

Bird Population Status - red; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
01/06/1992	28/01/2012	80

Passer montanus**Eurasian Tree Sparrow**BAP N 

A bird that has had large fluctuations in population in the past but which has been in decline in the British Isles for some time. In Sussex it is a scarce and declining resident, passage migrant and winter visitor more abundant in East Sussex than in the West. It is mainly a bird of open farmland with hedgerows and free-standing trees where it feeds on insects and seeds.

Bird Population Status - red; Environmental Stewardship Target Species (High Weald); Environmental Stewardship Target Species (Low Weald); Environmental Stewardship Target Species (Pevensy Levels); Environmental Stewardship Target Species (Romney Marsh); Environmental Stewardship Target Species (South Downs); Environmental Stewardship Target Species (Wealden Greensand); Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
05/12/1989	11/03/1995	2

Prunella modularis**Hedge Accentor**BAP N 

A very common resident, the Dunnock needs areas with thick vegetation - thickets, brambles, hedges, woodland edges. Readily uses man-made habitats like parks, gardens and churchyards. It is inclined to suffer in hard winters. This grey and brown bird is quite shy and inconspicuous, and creeps about on the ground in the undergrowth, looking for insects, spiders, worms and seeds.

Bern Convention Appendix 2; Bird Population Status - amber; Nerc Act 2006; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
01/06/1990	01/07/2012	154

Regulus ignicapilla**Firecrest** 

Scarce breeder; passage migrant and winter visitor. A bird that shows a preference for the edges of mature spruce plantations. This tiny beautiful bird is recorded from only a few scattered locations in our area.

Bern Convention Appendix 2; Bird Population Status - amber; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
26/05/2012	24/11/2012	2

Regulus regulus**Goldcrest**

The Goldcrest is the UK's smallest songbird and is a very common breeding resident, common passage migrant and winter visitor. It is predominantly a bird of coniferous forests and may also take up residence in deciduous woodland, suburban parks and large gardens where there are conifers nearby. They feed on insects and can often be found in tit flocks. Inclined to suffer in hard winters.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
31/12/1990	27/09/2012	83

Erithacus rubecula**European Robin**

The quintessential British bird, the Robin "redbreast" is an abundant and well-known resident, passage migrant and winter visitor. It favours woodlands, parks and gardens with plenty of undergrowth where it can find worms and seeds, fruits and insects.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
01/06/1990	27/05/2012	204

Luscinia megarhynchos**Common Nightingale**

This rufous-coloured bird is slightly larger than a robin and is a fairly common summer visitor and infrequently seen passage migrant. Nightingales feed on insects and like dense thickets and scrub with thick foliage or nesting in; the edges of clearings or rides, or clumps of bushes surrounded by heath or open space, are ideal. This secretive bird is more often heard than seen; they have an unmistakable loud, rich and mellow song often heard at night.

Bern Convention Appendix 2; Bird Population Status - amber

First Date	Last Date	No. of Records
01/06/1980	21/04/2000	24

Phoenicurus phoenicurus**Common Redstart**

This robin-sized bird is a scarce summer visitor and fairly common passage migrant. Recorded mainly from its preferred habitat of old parkland with scattered trees where it feeds mainly on insects but also spiders, worms and berries. Males regularly flick their bright red tails. Mostly found in the centre and north of our area.

Bern Convention Appendix 2; Bird Population Status - amber

First Date	Last Date	No. of Records
13/08/1994	08/09/2001	5

Saxicola rubetra**Whinchat**

Rare summer visitor and fairly common passage migrant that formerly bred on the Downs and elsewhere. This small perching bird is widespread in Sussex on migration and can be told apart from the similar stonechat by virtue of its distinctive white eye-stripe.

Bern Convention Appendix 2; Bird Population Status - amber

First Date	Last Date	No. of Records
17/09/1990	01/09/2001	10

Saxicola torquata**Stonechat**

A robin-sized bird which is a fairly common resident and partial migrant. It shows a marked preference for heathland with scattered clumps of gorse as well as some downland plantations, where you can hear its loud "tacc tacc" call like two stones being tapped together. Widespread in our area. Feeds on invertebrates, seeds and fruit (e.g. blackberries).

Bern Convention Appendix 2

First Date	Last Date	No. of Records
21/11/1991	10/02/2003	39

Sitta europaea**Wood Nuthatch**

A small plump colourful bird which is a common resident of mature deciduous woods, especially large oakwoods, wooded parks and gardens. It is widespread across Sussex except on the coastal plain. It feeds on a varied diet of insects, hazel nuts, acorns, beechmast and other nuts and seed.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
01/06/1990	19/02/2012	86

Sturnus vulgaris**Common Starling****BAP N R**

This beautiful glossy black bird is a common resident, passage migrant and winter visitor. It favours open woodland and woodland edges, hedgerows, parks and gardens and winters in arable fields, pasture, gardens, parks and on the seashore. It feeds on insects and fruit. Large noisy feeding flocks can collect into even larger roosting flocks. Still one of the commonest of garden birds, its decline elsewhere makes it a Red List species of conservation concern.

Bird Population Status - red; Birds Directive Annex 2.2; Nerc Act 2006; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
31/12/1990	09/12/2011	72

Acrocephalus schoenobaenus**Sedge Warbler**

A small plump warbler with a striking cream eyestripe, it is a fairly common summer visitor and abundant passage migrant, mainly recorded in the southern half of Sussex. It is a bird of tangled undergrowth, mainly near water, including the drier edges of reedbeds with shrubs. It has a loud rambling song and it feeds on insects, and berries in the autumn.

First Date	Last Date	No. of Records
01/06/1992	27/04/2012	24

Acrocephalus scirpaceus**Eurasian Reed Warbler**

This plain brown warbler is a common summer visitor and very common passage migrant. It frequents reedbeds in lowland areas and occasionally tall vegetation in drier places. On passage it can turn up almost anywhere, including orchards, gardens and in crops, often some way from water. It feeds on insects, and on berries in the autumn. Its song is a loud rhythmic chattering.

First Date	Last Date	No. of Records
01/06/1992	01/07/2012	33

Cettia cetti**Cetti's Warbler****!**

A small, but loud, skulking bird that is a scarce but increasing resident; passage migrant and winter visitor. First recorded from Sussex in 1962 and slowly increasing. Most records are from coastal locations where it's favoured habitat of thick, damp overgrown vegetation is most common.

Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
01/06/2002	30/04/2011	14

Locustella naevia**Common Grasshopper Warbler****BAP N R**

Very scarce and declining summer visitor and fairly common passage migrant which has a high, insect-like reeling song. Most recent records are from the Downs and the Rye Bay area, but it has been recorded right across our two counties. Nests are usually in lowland areas of damp rough grassland, scrub and fen and it feeds on insects.

Bird Population Status - red; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec); UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
04/05/1988	05/07/1996	4

Phylloscopus collybita**Common Chiffchaff**

A very common summer visitor and passage migrant, with small numbers wintering, this is a well-known bird which is named after its call. This small olive-brown warbler favours deciduous and mixed woodland, stands of trees, parks and mature gardens where there is thick undergrowth. It feeds on insects and is widespread across Sussex.

First Date	Last Date	No. of Records
01/06/1990	20/06/2012	127

Phylloscopus inornatus**Yellow-browed Warbler**

A very scarce but increasing visitor with records mostly in late autumn from the coast. This greenish-coloured leaf warbler is one of the smallest warblers and can be difficult to see as it moves around feeding on insects in trees and bushes.

First Date	Last Date	No. of Records
27/10/2000	-	1

Phylloscopus sibilatrix**Wood Warbler****BAP N R**

A very scarce summer resident and passage migrant. This large white and yellow leaf warbler is associated with damp oak woodland where it feeds mainly on insects and spiders. Its best locations are in the north of our area, although it has never been common in Sussex and seems to be declining.

Bird Population Status - red; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec); UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
17/04/1993	16/04/2005	3

Phylloscopus trochilus**Willow Warbler****A**

This small grey-green and yellow warbler is a fairly common summer visitor and passage migrant. It favours deciduous woodland and scrub where it can feed on a wide variety of small insects and spiders, and fruit and berries in the autumn. Their population, especially in southern Britain, has undergone a moderate decline over the past 25 years.

Bird Population Status - amber

First Date	Last Date	No. of Records
17/03/1989	27/04/2012	51

Sylvia atricapilla**Blackcap**

A very common summer visitor and passage migrant, with small numbers wintering. Males have a black cap and females and juveniles a red brown cap on otherwise grey plumage. Although primarily a summer visitor birds from Germany and north-east Europe are increasingly spending the winter in the UK. It favours woodland with tall trees and undergrowth as well as parks and mature gardens, where it can feed on insects and berries.

First Date	Last Date	No. of Records
01/06/1990	01/07/2012	110

Sylvia borin**Garden Warbler**

A common summer visitor and passage migrant it has very dull brown non-descript plumage as it's Latin name suggests. Despite its name it is not normally a garden bird, preferring deciduous and mixed woodland and woodland edges, with glades, rides and other open areas where it can feed on insects and berries. Widespread in wooded areas and less frequent on the Downs and coastal plain.

First Date	Last Date	No. of Records
01/06/1990	29/04/2007	28

Sylvia communis**Common Whitethroat**

A medium-sized warbler which is a very common summer visitor and passage migrant. Favours open areas including hedges, scrub, coastal clifftops and young deciduous woods and woodland edges. Widespread across Sussex, avoiding urban areas. It feeds on insects, and berries and fruit in the autumn.

Bird Population Status - amber

First Date	Last Date	No. of Records
14/04/1986	20/06/2012	63

Sylvia curruca**Lesser Whitethroat**

A fairly common summer visitor and passage migrant. It is a small skulking warbler that favours bushy places and scrub rather than woodland or open farmland. Particularly favours hawthorn and blackthorn bushes and hedges where it can feed on insects, and berries in the autumn. Widespread in suitable places across Sussex.

First Date	Last Date	No. of Records
31/12/1990	30/06/2004	13

Sylvia undata**Dartford Warbler**

One of Britain's few resident warblers and a fairly common but localised bird breeding almost exclusively on heathland. Vulnerable to cold winters and the destruction of gorse scrub. This small, dark, long-tailed warbler has a scratchy warbling song and feeds on insects and spiders that it gleans from gorse.

Bird Population Status - amber; Birds Directive Annex 1; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
22/10/1995	23/10/2000	2

Troglodytes troglodytes**Winter Wren**

This tiny red-brown bird is an abundant resident, breeding in Sussex wherever there is available cover, particularly in dense undergrowth. It is found in most habitats ranging from gardens to woodland and orchards to hedgerows. Often seen moving about like a mouse looking for insect and spider prey. It can decline significantly after hard winters, especially in more exposed places. It has a beautiful loud trilling song.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
01/06/1990	01/07/2012	205

Turdus iliacus**Redwing**

The smallest of the region's thrushes with conspicuous red flanks, it is a very common, occasionally very common, passage migrant and winter visitor. It is often seen in the wider countryside and sometimes visits parks and gardens, especially in cold, snowy weather. They feed in fields and hedgerows on berries and worms. Sometimes seen in flocks with Fieldfares.

Bird Population Status - red; Birds Directive Annex 2.2; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
20/11/1993	04/03/2012	61

Turdus merula**Common Blackbird**

An abundant resident and winter visitor, and perhaps a passage migrant. One of the commonest and well-known British birds of woodland, farmland, gardens and parks where they like areas with bushes, shrubs and trees and nearby open ground with short grass where they can feed on insects, worms and berries.

Birds Directive Annex 2.2

First Date	Last Date	No. of Records
01/06/1990	01/07/2012	252

Turdus philomelos**Song Thrush**BAP N 

A decreasing resident and partial migrant; common passage migrant and winter visitor. A species which is declining throughout the UK with an estimated reduction of 73% in farmland and 49% in woodland habitats. Still widespread in Sussex. It has a spotted breast and a repetitive song and feeds on worms, snails and fruits.

Bird Population Status - red; Birds Directive Annex 2.2; Nerc Act 2006; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
01/06/1990	10/04/2012	151

Turdus pilaris**Fieldfare** 

This large, colourful thrush is a common, occasionally very common, passage migrant and winter visitor usually seen in flocks of anything from a dozen or two to several hundred. They feed on insects, worms and berries and can be seen in open countryside with grass fields, and berry-bearing hedgerows, especially hawthorn. Also frequent visitors to orchards, gardens and parks especially ones with apple trees. They will come into towns and feed in parks and on playing fields too.

Bird Population Status - red; Birds Directive Annex 2.2; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
08/10/1990	10/02/2012	69

Turdus viscivorus**Mistle Thrush**

This large thrush is a common resident and partial migrant of open woodland, gardens and parkland. It is widespread across Sussex. It feeds on slugs, worms, berries and insects, and will aggressively defend its favourite food source such as a berry tree.

Bird Population Status - amber; Birds Directive Annex 2.2

First Date	Last Date	No. of Records
01/06/1990	19/02/2012	42

Phalacrocorax carbo**Great Cormorant**

An increasing breeding species and common winter visitor on the coast, often now breeding some distance inland. If numbers are large, they can be a cause of concern among fisherman as they are fish-eating birds with a healthy appetite. Any queries relating to cormorants should be addressed initially to the Sussex Ornithological Society.

First Date	Last Date	No. of Records
27/01/1995	27/05/2012	87

Dendrocopos major**Great Spotted Woodpecker**

A striking red, black and white medium-sized bird which is a common resident especially near large trees with suitable holes for nesting, especially in woodland and parkland. Often recorded from suburban gardens where it feeds at peanut feeders and bird tables. It also feeds on insects, seeds and nuts. It tends to be rarely recorded from much of the coastal plain. Its presence is often announced by its loud call or by its distinctive spring 'drumming' display.

Bern Convention Appendix 2

First Date	Last Date	No. of Records
01/06/1984	09/09/2012	150

Dendrocopos minor**Lesser Spotted Woodpecker****BAP N R**

The size of a sparrow, this is Europe's smallest woodpecker and it is a scarce Sussex resident that favours damp, open, broad leaved woodland. It feeds on insects, especially larvae, spiders and wood-boring insects. It requires decaying wood in which it makes a new nest chamber each year. Its population is scattered across Sussex in suitable areas; the county holds a significant proportion of the national population.

Bern Convention Appendix 2; Bird Population Status - red; Nerc Act 2006; UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
04/06/1986	03/09/1998	7

Picus viridis**Green Woodpecker****A**

This is the largest of the three resident British woodpeckers and is fairly common, its presence is usually announced by its laughing "yaffle" call. This striking green woodpecker has a red crown stripe and requires mature trees for nesting and open areas for feeding, such as orchards, parks and farmland where it can feed on insects, especially ants; however most records are from wooded areas. Numbers can fall in hard winters and recovery is slow.

Bern Convention Appendix 2; Bird Population Status - amber

First Date	Last Date	No. of Records
20/05/1984	01/07/2012	163

Podiceps cristatus**Great Crested Grebe**

A fairly common resident; passage migrant and winter visitor when large flocks can develop on coastal waters. This species was once killed for its breast and head feathers, and came close to extinction. The creation of gravel pits is thought to have helped the bird and it breeds on large areas of fresh water. It feeds mainly on fish.

First Date	Last Date	No. of Records
21/03/1999	01/07/2012	12

Tachybaptus ruficollis**Little Grebe****A**

Our smallest grebe and a species that breeds in a wide range of wetlands, some very small. It is a scarce resident in Sussex, passage migrant and winter visitor when flocks of 20 plus individuals can develop, although it is rarely seen on the sea. This species feeds on insects and larvae and is dependant on suitable water levels for successful breeding.

Bird Population Status - amber

First Date	Last Date	No. of Records
26/03/1993	27/05/2012	75

Caprimulgus europaeus**European Nightjar****BAP N R**

This brown hawk-like bird is recorded as a breeding species from many commons, heaths and open woods across both East and West Sussex but is a declining species due mainly to habitat loss, afforestation and fragmentation. This nocturnal species feeds on insects and moths and its churring song is an evocative sound of summer.

Bern Convention Appendix 2; Bird Population Status - red; Birds Directive Annex 1; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec); UK Biodiversity Action Plan priority species

First Date	Last Date	No. of Records
26/07/1986	02/06/2006	52

Asio flammeus

Short-eared Owl



This medium sized owl with distinctive yellow eyes, is a scarce winter visitor and passage migrant recorded mostly from the coastal plain in Sussex. It has bred in Sussex. Short-eared owls prefer open areas, especially coastal marshes, large wetlands and chalk downland where they can hunt for small mammals, especially voles.

Bern Convention Appendix 2; Bird Population Status - amber; Birds Directive Annex 1; EC CITES Annex A

First Date	Last Date	No. of Records
22/11/2011	17/04/2012	5

Athene noctua

Little Owl

This is the UK's smallest owl and is a fairly common resident in Sussex. It is not a British native but was introduced at various times from the mid-19th century, including to the Knepp Estate in West Sussex. Now well established and widespread in the two counties. It can be found around agricultural land, trees, copses, hedges, parkland and orchards where it can feed on small mammals and birds, beetles and worms. It nests in farm buildings and in nestholes in trees and it is often seen in the day time perched on tree branches.

Bern Convention Appendix 2; EC CITES Annex A

First Date	Last Date	No. of Records
05/01/1986	06/11/2004	27

Strix aluco

Tawny Owl

This is the UK's most abundant owl and is a fairly common resident in Sussex, particularly in the more wooded areas. Found in deciduous and coniferous woodland, and also farmland, parks and churchyards, it is scarce or absent from more treeless areas near the coast. It is more often heard than seen, recognised by its characteristic hooting. It feeds on a varied diet of small mammals, small birds, frogs, fish, insects and worms.

Bern Convention Appendix 2; EC CITES Annex A

First Date	Last Date	No. of Records
14/06/1977	04/06/2012	25

Tyto alba

Barn Owl



A distinctive and much loved bird of the countryside, this scarce breeding resident declined substantially during the last century mainly due to loss of habitat, particularly areas of rough grassland where it hunts for mice, voles and shrews. The position has been improving recently with many nest boxes being erected, although the conversion of barns in Sussex has had a negative impact on potential breeding sites.

Bern Convention Appendix 2; Bird Population Status - amber; EC CITES Annex A; Wildlife and Countryside Act 1981 (Schedule 1 Part 1)

First Date	Last Date	No. of Records
08/12/1995	20/12/2010	11

BIODIVERSITY ACTION PLAN SPECIES INVENTORY

The BAP Species Inventory does not include bat, bird or otter records.
Bat and bird records are included in separate inventories, while otter records are not included in SxBRC reports.

The background

In 1992 the UK and 159 other governments signed the Convention on Biological Diversity (CBD) at the Earth Summit in Rio de Janeiro. The CBD called for signatories to develop national strategies and action plans to conserve biodiversity, and the UK responded with the UK Biodiversity Action Plan (UK BAP). This was first published in 1994 and included specific plans for species and habitats afforded priority conservation action. These plans set out the threats faced by species and habitats as well as the actions being taken or to be taken to help tackle the threats. The UK BAP list was updated in 2007 and has since been superseded by the 'UK Post-2010 Biodiversity Framework', as a result of a change in strategic thinking.

Further information on the UK BAP and details of the species and habitat action plans can be found on the [JNCC website](#).

At the local level

An important aspect to the success of the UK BAP is the translation of the national strategy into effective action at the local level. The Sussex Biodiversity Partnership co-ordinates action for Priority Species and Habitats. Further details can be found on their website: www.biodiversitysussex.org.uk

BAP species within this report

- BAP records are labelled so that only one record per species per grid reference is included in a SxBRC report. This will usually be the most up to date record.
- Species which appear in the 'England Biodiversity List' to meet the requirements of Section 41 of the NERC Act (2006) * are labelled with the symbol **N**.

* Natural Environment & Rural Communities (NERC) Act

The NERC Act (2006) was established with the intention to help ensure that biodiversity becomes an integral consideration in the development of policies, and that decisions of public bodies work with nature and not against it.

The England Biodiversity List has been drawn up to meet the requirements of Section 41 of the Act. The S41 list consists of **943 species** and **56 habitats** of principal importance in England and will be used to guide decision-makers such as public bodies, including local and regional authorities, in implementing their duty under Section 40 of the NERC Act.

Further details of the NERC Act can be found on the [Natural England website](#).

UK BIODIVERSITY ACTION PLAN SPECIES INVENTORY REPORT

Please note that bat, bird and otter records are not included in this report

Walberton Parish

06 May 2014

ESD/14/227

Search Area: SU9604 to SU9904; SU9505 to SU9906; SU9407 to SU9907

Peter Brown

Pyrenula nitida

N

Lichen

A lichen that occurs on the smooth, shaded bark of old deciduous trees, especially hornbeam and beech. Found in the British Isles only in southern and south eastern England. Recorded in our area only from an unspecified West Sussex location before 1900.

Designations

IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU9507	Ted Wallace;Francis Rose	14/12/1968	Slindon Park Woods

Lophozia ventricosa

Tumid Notchwort

Liverwort

Designations

Sussex Biodiversity Action Plan

Grid Reference	Recorder	Date	Locality
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Atrichum angustatum

Lesser Smoothcap

N

Moss

Forms patches on acidic soils in woods, especially on damp rides. This rare moss is largely confined to the Weald of Kent and Sussex in the British Isles and there is a scatter of records from both our counties, mainly from the Hastings Beds.

Designations

IUCN (2001) - Critically endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU90T	Rose, Stern, Matcham.	2010	
SU90Y	Rose, Stern, Matcham.	2010	
SU973078	Graham Roberts;Howard Matcham;Francis Rose	24/02/1993	Slindon Gravel Pit
SU974076	Howard Matcham	13/01/2001	Gravel Pit, Shellbridge Road
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Cephalanthera damasonium**White Helleborine****N****Flowering plant**

A plant of mature beechwoods, mostly on chalk or limestone soils. Widespread in suitable places in Sussex, on the Downs and Purbeck Beds.

Designations

EC CITES Annex B; IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU979079	K.A. Knapp	13/06/2006	Rewell Wood, Rewell Wood Complex, Arundel

Platanthera bifolia**Lesser Butterfly-orchid****N****Flowering plant**

An orchid of heathy pastures, grassland, open scrub, woodland edges and rides on a wide variety of acidic and calcareous soils. Once reasonably common across East and West Sussex, it has declined drastically and now appears to have gone from East Sussex. It persists in West Sussex in a variety of habitats.

Designations

EC CITES Annex B; IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU980075	Unknown	1994	Rewell Wood, West Sussex (VC13)

Galium tricorutum**Corn Cleavers****N****Flowering plant**

A rapidly declining annual of cereal fields and disturbed ground, chiefly on dry calcareous soils. Not seen anywhere in E. or West Sussex for nearly 30 years and must be presumed extinct in both counties.

Designations

IUCN (2001) - Critically endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU90T	SPASU	1976	Slindon, West Sussex (VC13)

Centaurea cyanus**Cornflower****N****Flowering plant**

Once common, cornflowers suffered a massive decline in the last century but still continue to appear in scattered localities. While some of these are clearly introductions, records from arable fields and appearances on disturbed road banks before any seeding has occurred may be native.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU988044	Anon @ Sussex Bot. Rec. Soc.; Betty Bishop	1997	Ford, West Sussex (VC13)

Scandix pecten-veneris

Shepherd's-needle

N

Flowering plant

A long-established annual of arable fields and rarely on waste ground, coastal cliffs and in gardens. Has declined dramatically since the advent of modern agriculture, but still has five recent records in West Sussex and three in East Sussex.

Designations

IUCN (2001) - Critically endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU90T	SPASU	1868 - 1979	West Sussex (VC13)

Sium latifolium

Greater Water-parsnip

N

Flowering plant

An aquatic perennial now generally found in ditches, growing amongst other emergent species, or in reedswamp. A declining species currently known from several sites in West Sussex but only two in East Sussex.

Designations

IUCN (2001) - Endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU90T	SPASU	1868 - 1978	West Sussex (VC13)

Oenanthe fistulosa

Tubular Water-dropwort

N

Flowering plant

A local plant of shallow water in ditches, ponds and canals. Widespread, mostly near the coast, in East and West Sussex.

Designations

IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU90T	Judy Wilson;Nick Sturt;Elizabeth Sturt	August 2004	Slindon Common, Slindon CP

Torilis arvensis

Spreading Hedge-parsley

N

Flowering plant

A long-established and declining weed almost exclusively found on arable land in autumn-sown cereals. There are recent records from only four localities in West Sussex and a single record from East Sussex.

Designations

IUCN (2001) - Endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU95150712	Nick Sturt;Elizabeth Sturt	13/09/2009	Fontwell

Bombus (Thoracobombus) ruderarius Red-shanked Carder-bee

N

Insect - hymenopteran

A bumble bee that nests in moss or litter on the ground. Widespread in Britain, but commonest in the south east. Recorded from a handful of sites along the coast of East and West Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU977074	Recorder @ BWARS	20/03/1994	Rewell Wood
SU978073	Recorder @ BWARS	22/03/1997	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	22/04/1979	Rewell Wood
SU985073	Mike Edwards	1975 - 1985	A27 Tortington

Spilosoma lubricipeda White Ermine

N

Insect - moth

A white moth with black speckles. Flies in the summer months and 'woolly bear' larvae feed on low-growing plants. Widespread across Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU960066	John Radford	14/06/1996	West Walberton Lane, Walberton nr Arundel
SU9807	Tony Davis	12/06/2004	Rewell Wood, Rewell Wood Complex, Arundel
SU985077	Tony Davis	04/06/2005	Rewell Wood, Rewell Wood Complex, Arundel
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Spilosoma luteum Buff Ermine

N

Insect - moth

A yellowish-buff summer-flying moth normally with black speckles. Larvae feed on low-growing plants as well as trees and shrubs. Widespread and often common in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU960066	John Radford	August 1996	West Walberton Lane, Walberton nr Arundel
SU9807	Tony Davis	12/06/2004	Rewell Wood, Rewell Wood Complex, Arundel
SU985077	Tony Davis	27/06/2004	Rewell Wood, Rewell Wood Complex, Arundel
SU993072	John Knight	21/07/2006	Binsted and Paines Wood

Tyria jacobaeae**Cinnabar****N****Insect - moth**

A red and black day-flying moth whose orange and black ringed larvae feed on ragwort and related plants. Common across Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9607	Mark Telfer	08/07/1997	Slindon NT (SU96-07-)
SU962074	Jim Steedman;Judith Steedman	09/07/1997	Slindon, Slindon CP
SU9807	Tony Davis	03/06/2007	Rewell Wood, Rewell Wood Complex, Arundel
SU985077	Julian Clarke	27/06/2001	Rewell Wood, Arundel, West Sussex (VC13)
SU990068	John Knight	2000	Binsted Wood complex
SU992072	John Knight	1998	Paines Wood
SU993072	Jim Steedman;Judith Steedman	26/06/1996	Binsted and Paines Wood

Watsonalla binaria**Oak Hook-tip****N****Insect - moth**

A widespread moth of woods and parks, though said to be rapidly declining. Relatively common in Sussex, but numbers are inclined to fluctuate.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU952073	John Knight	26/08/2006	Slindon Wood, Slindon Woods
SU960066	John Radford	August 1996	West Walberton Lane, Walberton nr Arundel
SU971057	John Knight	23/09/2006	Walberton Church, Walberton
SU985077	John Langmaid;Tony Davis	20/05/2010	Rewell Wood, Rewell Wood Complex, Arundel
SU990068	R Kemp;Graham Hart;John Radford;John Knight	1990	Binsted Wood complex
SU999071	John Knight	11/08/2001	Binsted Wood complex

Chesias rufata**Broom-tip****N****Insect - moth**

This nationally scarce (b) species occurs mostly in Scotland, Wales and northern England where Broom grows. In Sussex it is only regularly found in two sites, one near Rogate in West Sussex and the other at Ninfield near Hastings in East Sussex. Caterpillars feed on Broom.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Ecliptopera silaceata

Small Phoenix

N

Insect - moth

A common moth in England and Wales and, though widespread in Scotland, it is less common there. It lives in a variety of habitats including open woodland, downland, commons, gardens and waste ground. Generally common in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU985077	John Langmaid;Tony Davis	20/05/2010	Rewell Wood, Rewell Wood Complex, Arundel
SU990068	R Kemp;Graham Hart;John Radford;John Knight	1990	Binsted Wood complex
SU993072	John Knight	08/08/2005	Binsted and Paines Wood

Ennomos fuscantaria

Dusky Thorn

N

Insect - moth

A moth of woods and parks flying from late July to October. Larvae live on ash (*Fraxinus excelsior*). Scattered across Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU952073	John Knight	26/08/2006	Slindon Wood, Slindon Woods
SU959077	John Knight	30/08/2008	Butchers Copse, Slindon
SU965066	John Knight	23/08/2008	Potwell Copse
SU971057	John Knight	23/09/2006	Walberton Church, Walberton

Ennomos quercinaria

August Thorn

N

Insect - moth

A moth that flies in August and September in woods gardens and parkland. The larvae feed on a variety of trees. Recorded widely, but infrequently across Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU990068	R Kemp;Graham Hart;John Radford;John Knight	1990	Binsted Wood complex

Epirrhoe galiata

Galium Carpet

N

Insect - moth

A geometrid moth found on a range of coastal habitats including sandhills, shingle beaches and cliffs, inland being found on chalk downland, limestone hills and sometimes open moorland, the larva feeding on various species of Galium. Found over much of GB. Mainly along the coast and on the Downs in our area.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU960077	John Knight	28/08/2010	Slindon wood, Slindon Woods
SU993072	John Knight	25/07/2005	Binsted and Paines Wood

Hemistola chrysoprasaria

Small Emerald

N

Insect - moth

A moth of downland, hedgerows and edges of woods, mainly found on chalk. Larva on Clematis. Widely distributed in the southern half of Britain, less frequent from the Midlands northwards to Lincolnshire and Westmorland. Widespread in Sussex, mainly from the coast and the Downs.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU993072	John Knight	07/07/2006	Binsted and Paines Wood
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Lycia hirtaria

Brindled Beauty

N

Insect - moth

A March and April flying moth of woods and gardens. The female has very reduced wings and is unable to fly. Larvae on a wide range of trees and shrubs. Scattered records across Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU982075	Tony Davis	04/04/2008	Rewell Wood, Rewell Wood Complex, Arundel
SU993072	John Knight	26/04/2006	Binsted and Paines Wood

Melanthia procellata

Pretty Chalk Carpet

N

Insect - moth

Hedgerows, edges of woods and bushy places on calcareous soils. Larva on Clematis. Southern England ranging northwards to Lincolnshire and Caernarvonshire. In our area mainly recorded from the West Sussex Downs.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood, Rewell Wood Complex, Arundel
SU985077	John Langmaid;Tony Davis	20/05/2010	Rewell Wood, Rewell Wood Complex, Arundel
SU993072	John Knight	07/07/2006	Binsted and Paines Wood
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Minoa murinata

Drab Looper

N

Insect - moth

This nationally scarce (b) species occurs in woodland in two large areas of southern England. In Sussex it currently only occurs in West Sussex in woodlands around Plaistow and Arundel. Caterpillars feed on Wood Spurge.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU98370772	Tony Davis	28/05/2006	Rewell Wood, Rewell Wood Complex, Arundel

Perizoma albulata

Grass Rivulet

Insect - moth

A nationally local species of chalk grassland, sand dunes and shingle over much of lowland UK. In Sussex it is found on much of the downs, but is very scarce except between Brighton and Eastbourne in East Sussex and the downs above Storrington in West Sussex.

Designations

Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood, Rewell Wood Complex, Arundel

Scotopteryx chenopodiata

Shaded Broad-bar

N

Insect - moth

Adults in a wide range of habitats including sand dunes, downland, waste ground and grassy embankments where they can be found visiting flowers from dusk onwards. Larvae on vetches and clovers. Widespread and moderately common throughout Britain. Widespread and often frequent in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU985077	Tony Davis	06/08/2005	Rewell Wood, Rewell Wood Complex, Arundel

Timandra comae

Blood-Vein

N

Insect - moth

A widespread and moderately common moth in southern Britain with records from across Sussex. It is regarded as being in rapid decline.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU952073	John Knight	26/08/2006	Slindon Wood, Slindon Woods
SU960066	John Radford	August 1996	West Walberton Lane, Walberton nr Arundel
SU9807	Tony Davis	12/06/2004	Rewell Wood, Rewell Wood Complex, Arundel
SU985077	Julian Clarke	27/06/2001	Rewell Wood, Arundel, West Sussex (VC13)
SU993072	John Knight	25/08/2006	Binsted and Paines Wood

Xanthorhoe ferrugata

Dark-barred Twin-spot Carpet

N

Insect - moth

A widespread species in Sussex commoner in some years than in others. Found in gardens, scrubland and often on the coast. The larvae feed on a variety of low growing plants. This species is declining generally across the country as a whole.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU990068	R Kemp;Graham Hart;John Radford;John Knight	1990	Binsted Wood complex

Hepialus humuli

Ghost Moth

N

Insect - moth

A large moth that is a member of a primitive suborder of the Lepidoptera. Frequenting hillsides, waste ground and other grassy places, this species is widespread over the whole of the British Isles. The larvae feed at the roots of grasses and a wide variety of wild and cultivated plants. Widely recorded in Sussex both at specific (*Hepialus humuli*) and subspecific (*H. humuli humuli*) level.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood, Rewell Wood Complex, Arundel
SU985077	Tony Davis	06/08/2005	Rewell Wood, Rewell Wood Complex, Arundel

Pyrgus malvae

Grizzled Skipper

N

Insect - butterfly

A butterfly of sheltered meadows, downland and open woodland rides. Larva on *Potentilla*, *Fragaria vesca* and *Agrimonia eupatoria*. Commonest in central southern England, Wales and the Midlands up to Yorkshire. Still widespread on the Downs but less common than it was in the Weald.

Designations

IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9606	Jim Steedman;Judith Steedman	26/06/1996	Slindon/Rewell (SW) Woods
SU9707	Jim Steedman;Judith Steedman	12/05/2005	Rewell Wood (South -west)
SU9806	Jim Steedman;Judith Steedman	26/06/1996	Binstead/Paine's/Rewell (SE) Woods
SU9807	Jim Steedman;Judith Steedman	14/05/2010	Rewell Wood, South-central, West Sussex (VC13)
SU982074	Rob Thurlow	24/04/2002	Rewell Wood, Site 1, Birch Coppice
SU982078	Neil Hulme	19/04/2007	Rewell Wood
SU983076	Dan Hoare	18/05/2005	Rewell Wood
SU986076	Rob Thurlow	30/04/2003	Rewell Wood FC - section C. coppiced chestnut 2 yrs old
SU986077	Richard Clayton	18/04/2003	Rewell Wood, Rewell Wood Complex, Arundel
SU990068	Jeremy Halls	1990	Binsted Wood complex
SU9907	Jim Steedman	20/05/1998	Paines Wood, Binsted
SU992072	John Knight	1998	Paines Wood
SU992073	John Knight	22/05/1998	Paines Wood, Binsted

Malacosoma neustria

Lackey

N

Insect - moth

The larvae of this moth feed on a variety of trees and shrubs, living in a communal tent. Distributed throughout the southern half of England becoming very local further north. The species is vulnerable to flail cutting of hedges in winter and may be declining.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU960066	John Radford	August 1996	West Walberton Lane, Walberton nr Arundel

Satyrium w-album

White-letter Hairstreak

N

Insect - butterfly

A butterfly with elm-feeding larvae that declined dramatically after Dutch elm disease. Recorded from 17 1km squares since 2000, mostly near the Downs in East and West Sussex.

Designations

IUCN (2001) - Endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU990068	Jeremy Halls	1990	Binsted Wood complex

Thecla betulae

Brown Hairstreak

N

Insect - butterfly

A butterfly requiring sloe scrub in which to breed. Widely, but very thinly, distributed in West Sussex, but gone from the east and generally in decline nationally.

Designations

IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU990068	Jeremy Halls	1990	Binsted Wood complex

Acronicta rumicis

Knot Grass

N

Insect - moth

A widely distributed moth in in the southern half of the British Isles, but one that is marked decline. Widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU960066	John Radford	August 1996	West Walberton Lane, Walberton nr Arundel
SU990068	R Kemp;Graham Hart;John Radford;John Knight	1990	Binsted Wood complex
SU993072	John Knight	07/07/2006	Binsted and Paines Wood

Amphipoea oculea

Ear Moth

N

Insect - moth

A widespread moth in the British Isles that prefers marshy and damp places. It is in marked decline. Widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU959077	John Knight	30/08/2008	Butchers Copse, Slindon
SU985077	Tony Davis	08/08/2003	Rewell Wood, Rewell Wood Complex, Arundel

Amphipyra tragopoginis

Mouse Moth

N

Insect - moth

A widespread moth in the British Isles, but one that is in marked decline. Very widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU960066	John Radford	August 1996	West Walberton Lane, Walberton nr Arundel
SU965066	John Knight	23/08/2008	Potwell Copse
SU990068	R Kemp;Graham Hart;John Radford;John Knight	1990	Binsted Wood complex
SU993072	John Knight	07/07/2006	Binsted and Paines Wood

Caradrina morpheus

Mottled Rustic

N

Insect - moth

A common noctuid moth whose larvae feed on nettle, dandelion and other low-growing plants. It is in marked decline in the UK, but has been very widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU960066	John Radford	14/06/1996	West Walberton Lane, Walberton nr Arundel
SU9807	Tony Davis	12/06/2004	Rewell Wood, Rewell Wood Complex, Arundel
SU993072	John Knight	04/07/2006	Binsted and Paines Wood
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Cosmia diffinis

White-spotted Pinion

N

Insect - moth

This Red Data Book species has declined recently and now only occurs in Elm woods in Huntingdon and Cambridgeshire. In Sussex it has declined and is probably extinct. Singletons recorded recently around Pagham and Littlehampton may indicate colonies. Caterpillars feed on Elm.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9607	Colin Pratt	1980 - 2002	Slindon Common, Slindon Estate (National Trust property)

Diarsia rubi

Small Square-spot

N

Insect - moth

A brown noctuid moth which flies in early and again in late summer. Larvae eat a wide variety of low-growing plants. Widespread and often abundant in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU952073	John Knight	25/08/2007	Dukes Road Car Park, Dukes Road, Slindon., Slindon CP
SU960066	John Radford	August 1996	West Walberton Lane, Walberton nr Arundel

Hoplodrina blanda

Rustic

N

Insect - moth

A noctuid moth of gardens, grasslands and heath with larvae that feed on a variety of low-growing plants. Very widely recorded in Sussex, but in marked decline in the UK generally.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU952075	John Knight	20/08/2005	Slindon Bottom Wood, Slindon
SU960066	John Radford	August 1996	West Walberton Lane, Walberton nr Arundel

Hydraecia micacea

Rosy Rustic

N

Insect - moth

A widespread noctuid moth, but one that is in marked decline in the British Isles. Larvae feed in the larger roots of a variety of plants such as docks. Very widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU960066	John Radford	August 1996	West Walberton Lane, Walberton nr Arundel
SU985077	Tony Davis	08/08/2003	Rewell Wood, Rewell Wood Complex, Arundel

Melanchra persicariae

Dot Moth

N

Insect - moth

A dark noctuid moth with a distinctive white wing spot. Larvae feed on a wide variety of low-growing plants and trees. Widely recorded in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU985077	Julian Clarke	27/06/2001	Rewell Wood, Arundel, West Sussex (VC13)
SU993072	John Knight	04/07/2006	Binsted and Paines Wood

Melanchra pisi

Broom Moth

N

Insect - moth

A mid-brown, variable noctuid moth associated with open woodland and heathland. The distinctive caterpillar with longitudinal yellow stripes feeds on broom, bracken and other plants. Recorded from across Sussex, but not common.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU985077	Julian Clarke	27/06/2001	Rewell Wood, Arundel, West Sussex (VC13)

Mythimna comma

Shoulder-striped Wainscot

N

Insect - moth

One of the more strongly patterned wainscot moths flying in midsummer. The larvae are found on various grasses.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU960066	John Radford	14/06/1996	West Walberton Lane, Walberton nr Arundel
SU985077	Julian Clarke	27/06/2001	Rewell Wood, Arundel, West Sussex (VC13)

Tholera decimalis

Feathered Gothic

N

Insect - moth

A brown noctuid moth or rough grasslands in late summer and autumn with white feathering on the forewings. Larvae on grass. Widespread in Sussex.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU993072	John Knight	25/08/2006	Binsted and Paines Wood

Boloria euphrosyne**Pearl-bordered Fritillary****N****Insect - butterfly**

A rapidly declining, violet-feeding woodland butterfly only recorded from 20 1km squares, across Sussex, since 2000. Once widespread and abundant in both counties.

Designations

IUCN (2001) - Endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU950072	Mike Snelling	07/05/2006	Rewell Wood, Rewell Wood Complex, Arundel
SU9606	Jim Steedman;Judith Steedman	05/06/1996	Slindon/Rewell (SW) Woods
SU9707	Jim Steedman;Judith Steedman	14/05/2010	Rewell Wood, South-west, West Sussex (VC13)
SU975074	Pip Howes	19/05/1997	Dens Wood
SU979079	Peter Atkinson	23/04/2009	Rewell Wood, West Sussex (VC13)
SU97970796	Rob Thurlow	04/05/2009	Rewell Wood Complex, Arundel, Rewell Wood, West Sussex (VC13)
SU980079	Sam Bayley	03/06/2006	Rewell Wood, Rewell Wood Complex, Arundel
SU9806	Jim Steedman;Judith Steedman	05/06/1996	Binstead/Paine's/Rewell (SE) Woods
SU9807	Richard Roebuck	23/05/2010	Rewell Wood, West Sussex (VC13)
SU981079	D.A. Dancy;M. Dancy	15/05/2010	Rewell Woods, West Sussex (VC13)
SU982077	Dan Hoare	27/04/2007	Rewell Wood
SU982078	Dan Hoare	06/05/2008	Rewell Wood
SU982079	Dan Hoare	27/04/2007	Rewell Wood
SU983076	Rob Thurlow	15/05/2002	Rewell Wood FC Site 4, E W Ride
SU983078	Neil Hulme	24/04/2009	Rewell Wood, Southern End, West Sussex (VC13)
SU983079	Rob Thurlow	25/05/2005	Rewell Wood
SU984072	Rob Thurlow	25/05/2005	Rewell Wood
SU986076	Dan Hoare	18/05/2005	Rewell Wood
SU986077	Rob Thurlow	09/05/2005	Rewell Wood
SU986078	Rob Thurlow	25/05/2005	Rewell Wood
SU987077	Dan Hoare	27/04/2007	Rewell Wood
SU987078	Rob Thurlow	18/05/2005	Rewell Wood
SU988079	Caroline Bulman	25/04/2002	Rewell Wood, Arundel
SU990068	Jeremy Halls	1990	Binsted Wood complex
SU9907	Jim Steedman;Judith Steedman	03/05/1999	Paine's Wood, Binsted
SU992073	John Knight	22/05/1998	Paines Wood, Binsted

Boloria selene**Small Pearl-bordered Fritillary****N****Insect - butterfly**

A rapidly declining, violet-feeding woodland butterfly only recorded from 10 1km squares, all in central East Sussex, since 2000. Once widespread and abundant in both counties.

Designations

IUCN (2001) - Lower risk - near threatened; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU990068	E C M Haes	19/09/1990	Binsted Wood complex

Coenonympha pamphilus

Small Heath

N

Insect - butterfly

A small grassland butterfly that is fairly widespread in Sussex, especially on the Downs. The species has become much less common than it used to be in many areas in recent decades.

Designations

IUCN (2001) - Lower risk - near threatened; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU9606	Jim Steedman;Judith Steedman	26/06/1996	Slindon/Rewell (SW) Woods
SU965075	Chris Beadle	13/07/2004	Merivale Farm, Slindon Common
SU9707	Chris Beadle	18/04/2003	Merivale Farm, Slindon Common, Arundel
SU9806	Jim Steedman;Judith Steedman	05/06/1996	Binstead/Paine's/Rewell (SE) Woods
SU9807	Jim Steedman;Judith Steedman	20/07/2000	Rewell Wood, Rewell Wood Complex, Arundel
SU985077	Julian Clarke	13/06/2004	Rewell Wood, Arundel, West Sussex (VC13)
SU989072	Syd Hamilton	02/07/1997	Binsted and Paines Woods
SU990068	Jeremy Halls	1990	Binsted Wood complex

Lasiommata megera

Wall

N

Insect - butterfly

A grassland butterfly that has undergone a severe decline and now is normally only found near the coast and on the eastern part of the South Downs.

Designations

IUCN (2001) - Lower risk - near threatened; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU990068	Jeremy Halls	1990	Binsted Wood complex

Limenitis camilla

White Admiral

N

Insect - butterfly

A fairly widespread woodland butterfly that has increased a little in numbers and range in Sussex in recent decades. The larvae are found on honeysuckle.

Designations

IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU9607	Mark Telfer	08/07/1997	Slindon NT (SU96-07-)
SU963071	K N A Alexander;Mark Telfer;A P Foster	1997	Ashbeds, Slindon Estate (National Trust property)
SU9707	Jim Steedman;Judith Steedman	25/07/2001	Rewell Wood (Danes Wood)
SU9806	Jim Steedman;Judith Steedman	17/07/1996	Binstead/Paine's/Rewell (SE) Woods
SU9807	Jim Steedman;Judith Steedman	20/07/2000	Rewell Wood, Rewell Wood Complex, Arundel
SU982074	Rob Thurlow	15/07/2002	Rewell Wood, Site 1, Birch Coppice
SU983075	Richard Clayton	29/06/2002	Rewell Wood, Rewell Wood Complex, Arundel
SU985068	Pip Howes	18/07/1997	Binstead Woods
SU985075	Richard Clayton	28/06/2003	Rewell Wood, Rewell Wood Complex, Arundel
SU989072	Syd Hamilton	29/07/1997	Binsted and Paines Woods
SU990068	Jeremy Halls	1990	Binsted Wood complex
SU9906	Alexander Henderson	04/07/2010	Tortington Common (1km sq), West Sussex (VC13)
SU9907	Alexander Henderson	04/07/2010	Paine's Wood (1km sq), West Sussex (VC13)
SU991063	Neil Hulme	17/06/2007	Binstead Woods
SU992061	John Knight	20/07/2001	Binsted Pond
SU992068	Graham Roberts	18/07/1996	Binsted and Paines Wood
SU994070	Syd Hamilton	05/08/1998	Paines Wood, Binsted
SU995067	Anon @ M&S Big Butterfly Count	28/07/2010	Binsted Wood, West Sussex (VC13)
SU995070	Syd Hamilton	13/07/1996	Binsted Woods, Arundel
SU998068	Pip Howes	18/07/1997	Binstead Woods

Anguilla anguilla

European Eel

N

Bony fish (Actinopterygii)

Eels breed in the sea and migrate to freshwater to grow before returning to the sea to spawn. This unusual fish is in sharp decline, though the reasons are not fully understood. However, it is generally thought that habitat degradation is a major factor. It has been found across the British Isles and very widely in Sussex.

Designations

IUCN (2001) - Critically endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU988067	John Knight	01/05/1999	Lake Copse Lake

Bufo bufo**Common Toad****N****Amphibian**

Still a widespread species in Sussex but declining due to loss of habitat and other factors. Toads tend to have large populations centred on particular breeding sites and they may become locally extinct if these are damaged or destroyed. Common toads are legally protected against sale.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU955065	SARG Sussex Amphibian & Reptile Grp	01/01/1988	Wandleys Farm Pond, Fontwell, West Sussex (VC13)
SU9705	SARG 2002 Leaflet	2002	1 Orchard Terrace, Walburton, Arundel, West Sussex (VC13)
SU971059	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU973058	SARG 2002 Leaflet	2002	2 Henty Close, Walburton, Arundel, West Sussex (VC13)
SU982069	Mark Elliott	23/03/1998	East of Barn's Copse, Binstead, Walburton CP
SU992061	John Knight	26/03/2010	Madonna Pond, Binsted

Triturus cristatus**Great Crested Newt****N****Amphibian**

The largest British newt. It is black or dark brown and the males have a crest along the back and an orange underside spotted with black. Frequently confused with male smooth newts, which also have a crest. The great crested newt prefers larger, open ponds that are free of fish and waterfowl and has declined substantially in Britain and across Europe, mainly due to habitat loss. The species is fully legally protected and Britain has special responsibility for its conservation as some of the best European populations occur here. Scattered across East and Central Sussex but scarce in the west.

Designations

Bern Convention Appendix 2; European Protected Species; Habitats Directive Annex 2 - non-priority species; Habitats Directive Annex 4; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
SU974054	Kate Ryland; Barry Kemp	22/04/2005	Lazy W pond, Walburton, Walburton CP

Erinaceus europaeus

West European Hedgehog

N

Terrestrial mammal

The hedgehog is one of our most familiar and endearing small mammals and it is still widespread in Sussex and Britain. However, hedgehog numbers have been adversely affected by changes in agriculture with less permanent pasture and fewer hedgerows. Climate change may also affect the availability of earthworms, one of their main foods, during hot, dry summers. There is some survey evidence that hedgehogs are most common where badgers are rarer and badgers do, of course, prey on them.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU950053	Neil Mitchell	17/08/1998	B2233 Barnham Road, Barnham, West Sussex (VC13)
SU951060	John Knight	24/09/2003	Eastergate Lane, West Sussex (VC13)
SU952052	Neil Mitchell	06/07/2000	B2233 Barnham, West Sussex (VC13)
SU961054	Sophie Miller	16/10/2009	Barnham, north road to Walberton, West Sussex (VC13)
SU962042	John Knight	August 2003	VC13 West Sussex, West Sussex (VC13)
SU962043	Neil Mitchell	24/05/2000	Barnham Lane, West Sussex (VC13)
SU962047	Neil Mitchell	30/06/2001	Barnham Lane, Barnham, West Sussex (VC13)
SU963041	John Knight	08/11/2003	B2132 Walberton, West Sussex (VC13)
SU963046	Neil Mitchell	02/09/2001	Barnham Lane, Barnham, West Sussex (VC13)
SU964040	John Knight	04/09/2003	VC13 West Sussex, West Sussex (VC13)
SU964041	John Knight	08/10/2003	B2233 Barnham, West Sussex (VC13)
SU969040	John Knight	16/08/2003	VC13 West Sussex, West Sussex (VC13)
SU970059	Dawn Scott	October 2010	The Meadows, Walberton CP
SU9705	Dawn Scott	07/04/2011	The Street, Walberton CP
SU971059	Dawn Scott	15/04/2011	Parson's Walk, Walberton CP
SU977058	Neil Mitchell	15/08/1998	B2132 Walberton, West Sussex (VC13)
SU9807	Martin Port	04/07/1965	Fairmile, West Sussex (VC13)
SU981042	John Knight	12/11/2003	B2132 Yapton, West Sussex (VC13)
SU9907	D I Brewer	1971	A27 west of Arundel, West Sussex (VC13)
SU997073	Neil Mitchell	12/05/1997	A27 Binsted Woods, West Sussex (VC13)

Lepus europaeus

Brown Hare

N

Terrestrial mammal

Widely distributed throughout England and Wales and probably an ancient introduction. Hares occur on a wide range of mainly open farmland and nationally the species is thought to be undergoing a steady decline. Much less common in Sussex than it used to be, but widely recorded.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9606	Unknown	1965	Slindon, West Sussex (VC13)
SU961052	Neil Mitchell	08/09/2000	Barnham Countryside Depot, West Sussex (VC13)

Arvicola amphibius

European Water Vole

N

Terrestrial mammal

The fastest declining native British mammal, the water vole was 'Ratty' in Wind in the Willows. Water voles prefer slow flowing streams, rivers and dykes with steep earth banks and luxuriant emergent vegetation. They have been in decline for over a century mainly due to loss of habitat while the presence of American mink has greatly hastened this decline. In many areas of mainland Britain water voles are already extinct but there are still some strong populations in Sussex. A legally protected species, listed on the Sussex Rare Species Inventory and the subject of a Sussex Species Action Programme.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.1 taking; 9.2; 9.4a; 9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
SU968049	Mark Elliott	1998	Barnham,nursery at end of Park Road, West Sussex (VC13)

Micromys minutus

Harvest Mouse

N

Terrestrial mammal

A tiny orange-brown mouse with a long, prehensile tail once familiar in cornfields but now mainly confined to field edges, grassy hedges and scrub. The mice make breeding nests of woven grass up to one metre above the ground. Widespread changes in agricultural practice have removed large areas of suitable habitat in which harvest mice appeared to be abundant and numbers are thought to have declined substantially. It has been widely recorded in Sussex, often in places near the coast.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU990068	John Knight	2000	Binsted Wood complex
SU991071	John Knight	18/11/2000	Paines Wood, Arundel, West Sussex (VC13)
SU992070	John Knight	11/02/2010	Paines Wood

Muscardinus avellanarius

Hazel Dormouse

N

Terrestrial mammal

A nocturnal species of woodland and overgrown hedgerows. Dormice spend much of their time climbing among branches in search of fruit, nuts, insects and other food. They sleep in nests during the day in hollow trees, unoccupied bird or bat boxes and similar places and hibernate in winter. Dormice occur mainly in southern England in this country and are widespread in suitable habitats in Sussex.

Designations

European Protected Species; Habitats Directive Annex 4; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
SU957065	John Knight	15/05/2008 - 29/10/2008	Wandleys Copse
SU963067	John Knight	25/01/2008	Potwell Copse
SU965066	John Knight	12/11/2009	Potwell Copse
SU965067	NDMP Dormouse Monitor	21/10/2011	Potwell Copse NDMP Site, Box No.35
SU978058	Nicky Richardson	23/01/2004	Walberton, West Sussex (VC13)
SU989067	John Knight	15/10/2009	Ash Piece, West Sussex (VC13)
SU989068	John Knight	08/04/2007 - 12/11/2007	Ash Piece, Binsted wood, Binsted Wood complex
SU990067	NDMP Dormouse Monitor	21/10/2011	Ash Piece NDMP Site, Box No.33
SU990072	NDMP Dormouse Monitor	21/10/2011	Paine's Wood NDMP Site, Box No.30
SU992072	John Knight	08/04/2007 - 12/11/2007	Paines Wood
SU993072	John Knight	15/05/2008 - 29/10/2008	Pains Wood, Binsted and Paines Wood

Reptile

A legally protected legless lizard resembling a small snake. Slow-worms are widespread in southern England and found in open habitats such as rough grassland, heath and on road and railway embankments. They are often common in urban and suburban areas. Like most reptiles and amphibians they have declined considerably and need protection wherever they occur.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU956050	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU956068	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/01/1989	26 Barnfield Cottages, Fontwell, Arundel, West Sussex (VC13)
SU960043	Libby Crew	28/09/2005	Barnham Station, Barnham
SU9606	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/07/1992	Walberton Nr Arundel, West Sussex (VC13)
SU963063	SARG Sussex Amphibian & Reptile Grp	01/06/1991	West Walberton Lane, Walberton, West Sussex (VC13)
SU967045	Recorder @ The Ash Partnership	April 2007	Eric Wall Nursery, Lake Lane, Barnham
SU9707	SARG recorder	07/05/2000	Slindon Common, Slindon CP
SU971059	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU973058	SARG 2002 Leaflet	2002	2 Henty Close, Walberton, Arundel, West Sussex (VC13)
SU978043	Sophie Miller	30/08/2010 - 17/09/2010	Lake Dell, Yapton, West Sussex (VC13)
SU983051	Joanna Meachem	02/09/2002	The White House, Westergate Street, Westergate, West Sussex (VC13)
SU990068	John Knight	2000	Binsted Wood complex
SU990072	John Knight	15/09/2005	Paines Wood, Binsted and Paines Wood
SU9907	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	17/08/1990	Paines Wood, West Sussex (VC13)
SU992068	John Knight	06/05/2005	Binsted and Paines Wood
SU993070	John Knight	05/05/2005	Binsted and Paines Wood
SU994069	John Knight	15/09/2005	Binsted and Paines Wood
SU994072	John Knight	15/09/2005	Binsted and Paines Wood

Natrix natrix**Grass Snake****N****Reptile**

A widespread, but legally protected, snake with a normally olive body flecked with black and a distinctive yellow collar. Frequent in Sussex near places where its food, largely frogs, is readily available. Like most reptiles and amphibians, grass snakes have declined considerably and need protection wherever they occur.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU960043	Libby Crew	14/09/2005	Barnham Station, Barnham
SU960066	Recorder @ WildCall	09/05/2011	Garden Pond, Walburton, West Sussex (VC13)
SU9606	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/08/1995	West Walberton Lane, Walberton, West Sussex (VC13)
SU964052	SARG recorder	01/08/2001	1a Downview Rd, Barnham, Bognor, Bognor Regis
SU9705	SARG 2002 Leaflet	2002	1 Henty Close, Walburton, West Sussex (VC13)
SU973058	SARG 2002 Leaflet	2002	2 Henty Close, Walberton, Arundel, West Sussex (VC13)
SU974054	Kate Ryland;Barry Kemp	08/04/2005	Lazy W pond, Walberton, Walberton CP
SU975059	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU990068	John Knight	2000	Binsted Wood complex
SU991067	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	26/06/1996	Binstead Wood, West Sussex (VC13)
SU992062	Jim McGregor	14/08/2001	Madonna Pond, Binsted
SU992068	John Knight	06/05/2005	Binsted and Paines Wood
SU992072	John Knight	1998	Paines Wood
SU99280700	Ben Rainbow	27/07/2011	SNCI Ar02, Binsted Woods, West Sussex (VC13)
SU993070	John Knight	05/05/2005	Binsted and Paines Wood

Zootoca vivipara**Common Lizard****N****Reptile**

The most abundant British lizard and widespread in Sussex in the Weald and along the coast. Probably under-recorded and increasingly confined to small areas of open sunny habitat. A legally protected species due to concern about its overall decline.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU9505	SARG Sussex Amphibian & Reptile Grp	01/01/1998	70 Elm Grove, South Barnham, West Sussex (VC13)
SU960043	Libby Crew	28/09/2005	Barnham Station, Barnham
SU9606	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	30/06/1995	West Walberton Lane, Walberton, West Sussex (VC13)
SU9707	SARG recorder	07/05/2000	Slindon Common, Slindon CP
SU971059	SARG 2002 Leaflet	2002	West Sussex, West Sussex (VC13)
SU990068	John Knight	2000	Binsted Wood complex
SU9906	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	04/08/1990	Binsted Wood, West Sussex (VC13)
SU9907	SARG Sussex Amphibian & Reptile Grp	21/05/1988	Paines Wood, West Sussex (VC13)
SU992072	John Knight	16/04/2005	Binsted and Paines Wood
SU99280700	Ben Rainbow	27/07/2011	SNCI Ar02, Binsted Woods, West Sussex (VC13)

Reptile

Britain's only venomous snake, though incidences of snakebite involving man or domestic animals are relatively uncommon. Adders have a distinctive zig zag pattern of black or brown and white. They occur in open areas on downs, heaths and in heathy woods. Grass snakes and slow-worms are often misidentified as adders. Though widespread in Britain and found in suitable areas across Sussex, the adder, like all our native reptiles has declined substantially through habitat loss and other factors. The adder is a protected species and it is illegal intentionally to kill or injure them.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU973058	SARG 2002 Leaflet	2002	2 Henty Close, Walberton, Arundel, West Sussex (VC13)
SU990068	John Knight	2000	Binsted Wood complex
SU9907	SARG Sussex Amphibian & Reptile Grp	21/05/1988	Paines Wood, West Sussex (VC13)
SU992062	John Knight	14/11/1999	Madonna Pond, Binsted
SU992068	John Knight	06/05/2005	Binsted and Paines Wood
SU992070	John Knight	02/06/2009	Paines Wood
SU992072	John Knight	1999	Paines Wood
SU993070	John Knight	05/05/2005	Binsted and Paines Wood

4 confidential records exist for this enquiry area. Please contact the record centre if you require further information.

SUSSEX RARE SPECIES INVENTORY

The Rare Species Inventory does not include bat, bird or otter records.
Bat and bird records are included in separate inventories, while otter records are not included in SxBRC reports.

The Sussex Rare Species Inventory (RSI) contains over 3,400 species. These species are selected according to strict criteria of rarity associated with their occurrence in Sussex.

The criteria for selection of species are listed below:

- All species in the British Red Data Books including all Notable fauna and Nationally Scarce flora and British endemic taxa which have ever occurred in Sussex whether extinct or not.
- Species included in the UK Biodiversity Action Plan (BAP species).
- Internationally rare taxa cited in the Bern Convention, IUCN Red Data lists, or EU Habitats Directive which are not covered by any of the above.
- County rarities.

The RSI has been designed to be comprehensive for species but representative for records. This is managed in several ways:

- RSI records are labelled so that only one record per species per grid reference gets flagged up. This will usually be the most up to date record.
- SxBRC does not hold marine information other than coastal species and cetaceans.
- The following species are relatively common in Sussex but are in the RSI because they are Notable or Nationally Scarce. Only *one* record of these species is labelled per 2km tetrad:

Round-headed Rampion	<i>Phyteuma orbiculare</i>
Frogbit	<i>Hydrocharis morus-ranae</i>
Adonis Blue	<i>Lysandra bellargus</i>
Long-winged Conehead	<i>Conocephalus discolor</i> (syn. <i>C. fuscus</i>)
Door snail	<i>Macrogastera rolphii</i>
Variable Damselfly	<i>Coenagrion pulchellum</i>
Downy Emerald	<i>Cordulea aenea</i>

For records of rare vascular plants, bryophytes and lichens the Record Centre recommends the Sussex Rare Plant Register, compiled by the Sussex Botanical Recording Society. This gives up to date (2001) information on the distribution and status of over 400 Sussex Rare Plants, putting data from RSI reports into a Sussex-wide context. Please look on the publication page of our website for more information: www.sxbrc.org.uk/biodiversity/publications

IUCN Categories of Rarity

The following is a summary of the IUCN categories of rarity. For further information visit the [IUCN website](http://www.iucn.org).

Extinct (EX)

A taxon is Extinct when there is no reasonable doubt that the last individual has died.

Extinct in the Wild (EW)

A taxon is Extinct in the Wild when it is known only to survive in cultivation, in captivity or as a naturalized population (or populations) well outside the past range.

Critically Endangered (CR)

A taxon is Critically Endangered when it is considered to be facing an extremely high risk of extinction in the wild.

Endangered (EN)

A taxon is Endangered when it is considered to be facing a very high risk of extinction in the wild.

Vulnerable (VU)

A taxon is Vulnerable when it is considered to be facing a high risk of extinction in the wild.

Near Threatened (NT)

A taxon is Near Threatened when it is close to qualifying for or is likely to qualify for a threatened category in the near future.

Least Concern (LC)

A taxon is Least Concern when it has been evaluated against the criteria and does not qualify for Critically Endangered, Endangered, Vulnerable or Near Threatened.

Data Deficient (DD)

A taxon is Data Deficient when there is inadequate information to make a direct, or indirect, assessment of its risk of extinction based on its distribution and/or population status.

Not Evaluated (NE)

A taxon is Not Evaluated when it has not yet been evaluated against the criteria.

Regionally Scarce (NR)

Occurs in 5 or fewer 10km squares in a particular region of Britain. Locally determined.

SUSSEX RARE SPECIES INVENTORY REPORT

Please note that bat, bird and otter records are not included in this report

Walberton Parish

06 May 2014

ESD/14/227

Search Area: SU9604 to SU9904; SU9505 to SU9906; SU9407 to SU9907

Peter Brown

Pyrenula nitida

Lichen

A lichen that occurs on the smooth, shaded bark of old deciduous trees, especially hornbeam and beech. Found in the British Isles only in southern and south eastern England. Recorded in our area only from an unspecified West Sussex location before 1900.

Designations

IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9507	Ted Wallace;Francis Rose	14/12/1968	Slindon Park Woods

Xanthoparmelia conspersa

Lichen

A lichen of sunny rocks, walls and, occasionally, tiles and hard wood. A mainly western and northern species in the British Isles but recorded from Fletching churchyard and Staplefield in East Sussex, Aldingbourne, Shillinglee and Wiggonholt in West Sussex. 1950-1993.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU971058	Ken Sandell;Francis Rose;Pauline Rose	30/07/1992	Walberton Churchyard

Tornabea scutellifera

Lichen

A lichen that grew on cliffs, old barns and elm trees mainly in coastal districts. Apparently confined to Sussex in the British Isles and not seen since the 19th century, though it was frequently collected then. It is conceivable that it may be refound. Recorded from Bracklesham, Barnham and Portfield in West Sussex and Hastings cliffs and Fairlight Glen, in East Sussex 1804 - pre-1900.

Designations

IUCN (2001) - Extinct; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9604	SAMLL	1868 - 1901	West Sussex (VC13)

Ramalina pollinaria

Lichen

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9607	Ted Wallace;Francis Rose	14/12/1968	Slindon Common

Leptogium biatorinum

Lichen

A lichen that grows on calcareous or clayey soils, on soft chalk or limestone or on old mortar. A scarce mainly southern species extending locally to Scotland. Recorded in our area from Warningcamp and Chalkpit Lane, Singleton, West Sussex and Malling Down in East Sussex. 1993-1994.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU90T	Howard Matcham	25/01/2012	Slindon

Pertusaria flavicans

Lichen

A lichen of hard coastal, rocks though sometimes found inland. Frequent in the north and west of the British Isles. In our area recorded from Fittleworth and Ashurst churches in West Sussex and Battle Abbey and an unspecified location in East Sussex. 1989-1993.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU971058	Ken Sandell;Francis Rose;Pauline Rose	30/07/1992	Walberton Churchyard

Pertusaria pustulata

Lichen

A lichen of rough bark, especially in ancient woodlands. Confined to southern England in the British Isles and recorded in our area from Ebernoe Common and Slindon Bottom, both in West Sussex. 1968-1987.

Designations

IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9507	Ted Wallace;Francis Rose	14/12/1968	Slindon Park Woods
SU952079	Francis Rose	1968 - 1987	Slindon Bottom, Slindon

Boletus satanas**Devil's Bolete****Fungus**

A toadstool of bare calcareous ground under beech, usually appearing in late summer after a rainy period. The mycelium is long lived and fruit bodies are produced regularly in the same places. Recorded from several locations in West Sussex and also near Brighton in East Sussex

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU977079	Jenny Rowe	20/09/1997	Rewell Wood Complex, Arundel

Fossombronia husnotii**Husnot's Frillwort****Liverwort**

A rare Mediterranean-Atlantic liverwort that requires a mild climate and is at the limit of its eastern range in Sussex. Usually forms small mats on pathsides and amongst short turf in woodland and on heathy clifftops and rocky slopes. Only recorded from Rewell Wood, West Sussex in our area.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU973078	Graham Roberts;Howard Matcham;Francis Rose	24/02/1993	Slindon Gravel Pit
SU974077	SAMLL	1993	West Sussex (VC13)
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Fossombronia incurva**Weedy Frillwort****Liverwort**

Only described in 1964, this liverwort is widespread in the British Isles. In Sussex it occurs on damp, sandy ground on heathland and is very rare with records from Rewell Wood in West Sussex and Westfield Moor in East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road
SU977075	SAMLL	1985	West Sussex (VC13)

Lophocolea bispinosa**Great Crestwort****Liverwort**

An introduced species from Australasia first recorded in the British Isles in 1963. Found mostly on soil, banks or rocks in open and shaded places. Recorded in our area from Midhurst Common in West Sussex in 1993.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU90T	Howard Matcham	25/01/2012	Slindon

Sphagnum angustifolium**Fine Bog-moss****Moss****Designations**

Habitats Directive Annex 5; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Atrichum angustatum**Lesser Smoothcap****Moss**

Forms patches on acidic soils in woods, especially on damp rides. This rare moss is largely confined to the Weald of Kent and Sussex in the British Isles and there is a scatter of records from both our counties, mainly from the Hastings Beds.

Designations

IUCN (2001) - Critically endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU90T	Rose, Stern, Matcham.	2010	
SU90Y	Rose, Stern, Matcham.	2010	
SU973078	Graham Roberts;Howard Matcham;Francis Rose	24/02/1993	Slindon Gravel Pit
SU974076	Howard Matcham	13/01/2001	Shellbridge Road
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Ditrichum pusillum**Brown Ditrichum****Moss**

A dull green tufted moss of sandy soils in quarries and similar places. Widely distributed in the British Isles, but rare. Recorded from one site in West Sussex in the 1990s and known from several other places in the county prior to 1908.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU973078	Graham Roberts;Howard Matcham;Francis Rose	24/02/1993	Slindon Gravel Pit
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Ephemerum serratum var. serratum**Moss****Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Tortula protobryoides

Tall Pottia

Moss

A small moss of seasonal appearance formerly known as *Pottia bryoides*. It grows on exposed basic soil in grassland, quarries, gravel pits, banks, tracksides and cliffs. A lowland species occasional in England, rare elsewhere in the British Isles. In our area recorded from a few sites in both East and West Sussex since 1950 but possibly overlooked because of its small size and ephemeral nature.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU982060	Rod Stern	1997	West Sussex (VC13)

Microbryum starckeanum

Starke's Pottia

Moss

A very small gregarious ephemeral moss of disturbed shallow soil in a variety of situations. Occasional in coastal locations in England and Wales, rare elsewhere in the British Isles. Formerly often known as *Pottia starkeana* ssp. *starkeana* var. *starkeana*. Recorded from two sites in East Sussex and one in West Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Philonotis arnellii

Arnell's Apple-moss

Moss

A moss that forms small green tufts or patches in rock crevices on ditch and stream banks and in woodland rides. Rare to occasional in the British Isles. Only recently recorded from Rewell Wood and the adjacent gravel pits in West Sussex in our area, but known from a few East Sussex sites prior to 1950.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Palustriella commutata var.
*commutata***Moss****Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Palustriella commutata var. *falcata***Moss****Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Brachythecium mildeanum

Sand Feather-moss

Moss

Forms yellowish green patches in grassy areas, hedge banks, old quarries and dune slacks. Occasional in our area, but possibly sometimes mistaken for the very common *Brachythecium rutabulum*

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Brachythecium salebrosum

Smooth-stalk Feather-moss

Moss

Yellowish-green or green patches on logs, branches, rocks and soil, usually in woodlands but also grassy areas and hedge banks. Very rare in both East and West Sussex and some records may be referable to *B. mildeanum* or *B. rutabulum*.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU975075	Howard Matcham	20/07/2011	Slindon

Osmunda regalis

Royal Fern

Fern

A large fern found of fen-carr woodland, ditches, and riverbanks. Thought to be native in Sussex only in Ashdown Forest and elsewhere likely to be of garden origin.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9913905749	Jacqueline Thompson	26/08/2009 - 11/11/2009	West Sussex (VC13)

Arum italicum subsp. neglectum

Arum

Flowering plant**Designations**

IUCN (2001) - Lower risk - near threatened; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9874705508	J. Simons	16/01/2011	West Sussex (VC13)

Stratiotes aloides

Water-soldier

Flowering plant**Designations**

IUCN (2001) - Lower risk - near threatened; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU981069	Frances Abraham	1992	West Sussex (VC13)
SU98180693	Ben Rainbow	27/07/2011	Binsted Wood complex
SU98180694	Jonathan Wood;Bev Wadge	08/09/2012	Walberton, Binsted 1
SU9819006925	Alan Knapp	13/06/2006	West Sussex (VC13)
SU983069	C.M.P. Ryland	04/06/2005	West Sussex (VC13)

Platanthera bifolia

Lesser Butterfly-orchid

Flowering plant

An orchid of heathy pastures, grassland, open scrub, woodland edges and rides on a wide variety of acidic and calcareous soils. Once reasonably common across East and West Sussex, it has declined drastically and now appears to have gone from East Sussex. It persists in West Sussex in a variety of habitats.

Designations

EC CITES Annex B; IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU980075	Unknown	1994	West Sussex (VC13)

Polypogon monspeliensis

Annual Beard-grass

Flowering plant

An annual grass of barish places by the sea, in damp, cattle-trodden grazing marshes, at the edges of dried-up brackish pools and ditches, and in the uppermost parts of saltmarshes. Also around docks and inland as a casual. Widespread but scarce in East and West Sussex, mostly near the coast.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU90S	P. Jones	14/06/2011	Barnham
SU9618404122	D. Donovan	18/08/2010	Barnham

Fumaria parviflora

Fine-leaved Fumitory

Flowering plant

An introduced scrambling annual found almost exclusively in arable fields on chalky soils. All recent Sussex records for this species are from the Brighton area.

Designations

Farm Environment Plan Guidance 007- Table 3; IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU90S	SPASU	1868 - 1986	West Sussex (VC13)

Helleborus foetidus

Stinking Hellebore

Flowering plant

A short-lived perennial of shallow calcareous soils often in woodland glades or open scrub. Always rare in East Sussex, where it is doubtfully native; the only recent records are of garden escapes. In West Sussex most recent records are also of garden origin, but it still occurs as a presumed native in a few chalky woodland areas especially around Arundel and Houghton.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9501405330	D Donovan	24/05/2009	West Sussex (VC13)
SU9844807753	M. Shaw	27/04/2011	West Sussex (VC13)

Ranunculus hederaceus

Ivy-leaved Crowfoot

Flowering plant

A plant that grows mainly at the edge of small water bodies and by the sheltered backwaters of rivers. Recently recorded from several sites in West Sussex but there seems to have been a huge decline in East Sussex, with only a single recent record. This species is regarded as one for which Britain has special responsibility.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU981059	Anon @ Sussex Bot. Rec. Soc.; Frances Abraham	1993	West Sussex (VC13)

Buxus sempervirens

Box

Flowering plant

Mostly planted, but possibly native on some sites in the West Sussex South Downs.

Designations

IUCN (2001) - Data Deficient; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU940070	Victoria Hume	29/08/2008	Westergate Wood
SU94100700	M M Shaw	22/04/2006	West Sussex (VC13)
SU990068	Anon @ Sussex Bot. Rec. Soc.; Anon @ Sussex Wildlife Trust	1989 - 1992	Binsted Wood complex
SU99970706	M M Shaw	24/03/2009	West Sussex (VC13)

Geum rivale

Water Avens

Flowering plant

A perennial of marshy areas in shaded or open habitats. This plant is local in southern England and is currently known only from one site in West Sussex and as a rare garden escape in East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU992068	Tony Whitbread	01/06/1988	Binsted and Paines Wood

Euphorbia peplis

Purple Spurge

Flowering plant

An annual which grows on fine shingle or coarse sand just above the high-water mark. Last recorded from Sussex in 1951 but now considered extinct here and elsewhere in Britain.

Designations

EC CITES Annex B; IUCN (2001) - Extinct; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU990068	Anon @ Sussex Bot. Rec. Soc.; Anon @ Sussex Wildlife Trust	1989 - 1992	Binsted Wood complex

Euphorbia platyphyllos

Broad-leaved Spurge

Flowering plant

A long-established annual of cultivated and waste ground, the margins of arable fields, and occasionally on roadsides. Decreasing throughout southern England and north-west Europe, but with more than 30 post 1986 records from East and West Sussex.

Designations

EC CITES Annex B; Farm Environment Plan Guidance 007- Table 3; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU969047	D Donovan	May 2005	Barnham

Salix viminalis x caprea = *S. x smithiana*

Broad-leaved Osier

Flowering plant**Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9710904614	D Donovan	04/07/2007	West Sussex (VC13)

Agrostemma githago

Corncockle

Flowering plant

Formerly a frequent arable weed, but last seen established in a cornfield in 1938 at Waterhall, Brighton. Recent records have been casuals; from garden bird seed, re-seeding projects with wild flower seed mixes, soil from turkey farms or similar.

Designations

Farm Environment Plan Guidance 007- Table 3; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU988044	Anon @ Sussex Bot. Rec. Soc.; Nick Sturt	1997	West Sussex (VC13)
SU989045	Anon @ Sussex Bot. Rec. Soc.; S. Pool	1998	West Sussex (VC13)

Galium parisiense

Wall Bedstraw

Flowering plant

An annual of old walls and bare ground on calcareous or neutral soils. The recent occurrence of this plant in chalk grassland at Bignor, West Sussex is probably an accidental introduction. Presumed extinct in East Sussex.

Designations

IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9515207096	R. Hutchinson	01/05/2009 - 30/06/2009	West Sussex (VC13)

Galium tricornutum

Corn Cleavers

Flowering plant

A rapidly declining annual of cereal fields and disturbed ground, chiefly on dry calcareous soils. Not seen anywhere in E. or West Sussex for nearly 30 years and must be presumed extinct in both counties.

Designations

IUCN (2001) - Critically endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU90T	SPASU	1976	West Sussex (VC13)

Verbascum lychnitis

White Mullein

Flowering plant

A perennial of dry, usually calcareous soil, in rough pastures, recently cleared woodland, on railway embankments, road verges and waste places. In West Sussex one of the notable plants of the chalk around Arundel. No recent records for East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU90T	SPASU	1868 - 1978	West Sussex (VC13)
SU972077	Howard Matcham;M. Shaw	26/07/2011	West Sussex (VC13)

Centaurea cyanus

Cornflower

Flowering plant

Once common, cornflowers suffered a massive decline in the last century but still continue to appear in scattered localities. While some of these are clearly introductions, records from arable fields and appearances on disturbed road banks before any seeding has occurred may be native.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU988044	Anon @ Sussex Bot. Rec. Soc.;Betty Bishop	1997	West Sussex (VC13)

Hypochaeris glabra

Smooth Cat's-ear

Flowering plant

An annual of dry, open grasslands, shingle and heathy pastures. In East Sussex known only from the Rye Harbour Nature Reserve, where it occurs in abundance on stable shingle banks. In West Sussex it has a few shingle sites but also occurs rarely inland.

Designations

IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU90Y	Anon @ Monks Wood;SPASU	1968	West Sussex (VC13)

Filago minima**Small Cudweed****Flowering plant**

An annual of a wide range of dry, open habitats. Although still widely scattered in many of the sandy areas of West Sussex, this plant has much decreased in East Sussex with only one recent record from a roadside at the edge of Ashdown Forest.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU978071	Frances Abraham	01/05/2011	West Sussex (VC13)

Gnaphalium sylvaticum**Heath Cudweed****Flowering plant**

A short-lived perennial of open communities on dry, acidic soils especially open woodland and forestry rides in areas of former heathland. This species was formerly fairly widespread in East Sussex, but has not been recorded there recently. It still occurs in a few West Sussex woodlands on sand or chalk.

Designations

IUCN (2001) - Endangered; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU973078	Anon @ Sussex Bot. Rec. Soc.;Howard Matcham	1988	West Sussex (VC13)
SU974078	Philip Thompson	2003	West Sussex (VC13)
SU978079	Unknown	1993	West Sussex (VC13)
SU98660775	Alan Knapp	04/10/2005	West Sussex (VC13)

Anthemis arvensis**Corn Chamomile****Flowering plant**

This arable field plant has undergone a drastic reduction over the whole of Sussex since the 1960s and is now extremely scarce. Most recent records are almost certainly the result of deliberate introductions from wild flower seed mixtures.

Designations

Farm Environment Plan Guidance 007- Table 3; IUCN (2001) - Endangered; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU988044	Anon @ Sussex Bot. Rec. Soc.;Alan Knapp	1997	West Sussex (VC13)

Dipsacus pilosus**Small Teasel****Flowering plant**

A biennial herb plant of woodland edges, stream and river banks and other habitats, usually on damp, calcareous soils. Rather rare in Sussex but increasing in some parts of the west of our area, mainly around Arundel and Little Bognor.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985076	Nick Sturt;Elizabeth Sturt	July 2004	West Sussex (VC13)

Scandix pecten-veneris

Shepherd's-needle

Flowering plant

A long-established annual of arable fields and rarely on waste ground, coastal cliffs and in gardens. Has declined dramatically since the advent of modern agriculture, but still has five recent records in West Sussex and three in East Sussex.

Designations

IUCN (2001) - Critically endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU90T	SPASU	1868 - 1979	West Sussex (VC13)

Sium latifolium

Greater Water-parsnip

Flowering plant

An aquatic perennial now generally found in ditches, growing amongst other emergent species, or in reedswamp. A declining species currently known from several sites in West Sussex but only two in East Sussex.

Designations

IUCN (2001) - Endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU90T	SPASU	1868 - 1978	West Sussex (VC13)

Petroselinum segetum

Corn Parsley

Flowering plant**Designations**

Farm Environment Plan Guidance 007- Table 3; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU954051	D Donovan	03/03/2007	West Sussex (VC13)
SU9650505974	D Donovan	17/06/2007	West Sussex (VC13)
SU965063	D Donovan	2007	West Sussex (VC13)
SU973046	D Donovan	24/07/2006	West Sussex (VC13)

Torilis arvensis

Spreading Hedge-parsley

Flowering plant

A long-established and declining weed almost exclusively found on arable land in autumn-sown cereals. There are recent records from only four localities in West Sussex and a single record from East Sussex.

Designations

IUCN (2001) - Endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU95150712	Nick Sturt;Elizabeth Sturt	13/09/2009	Fontwell

Saprosites mendax

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU990068	E C M Haes	19/09/1990	Binsted Wood complex

Anaglyptus mysticus

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU98370777	Graeme Lyons	02/06/2012	Rewell Wood

Leptura aurulenta

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU990068	E C M Haes	19/09/1990	Binsted Wood complex

Cerylon fagi

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU962070	Anon @ National Trust	August 1983	Slindon Estate (National Trust property)
SU963071	Anon @ National Trust	1983	Slindon Estate (National Trust property)

Mordella holomelaena

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Peter Hodge	10/06/1985	West Sussex (VC13)
SU990068	E C M Haes	19/09/1990	Binsted Wood complex

Tomoxia bucephala

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU990068	E C M Haes	19/09/1990	Binsted Wood complex

Pyrochroa coccinea

Black-headed Cardinal Beetle

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU952079	Anon @ National Trust	July 1997	Slindon Bottom Wood, Slindon
SU9707	Mike Edwards	19/05/1999	Slindon Pit and lower Rewell Wood
SU990073	Peter Hodge	10/06/1985	Slindon CP

Laphria marginata

Insect - true fly (Diptera)

Designations

Nationally Notable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	08/07/1984	Slindon Pit and lower Rewell Wood

Conops strigatus

Insect - true fly (Diptera)

Designations

Nationally Notable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	26/08/1985	Slindon Pit and lower Rewell Wood

Criorhina ranunculi

Insect - true fly (Diptera)

Designations

Nationally Notable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	04/04/1999	Slindon Pit and lower Rewell Wood

Neocnemodon latitarsis

Insect - true fly (Diptera)

Designations

Nationally Notable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	15/08/1988	Slindon Pit and lower Rewell Wood

Pipizella virens

Insect - true fly (Diptera)

Designations

Nationally Notable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	19/05/1999	Slindon Pit and lower Rewell Wood

Volucella inflata

Insect - true fly (Diptera)

Designations

Nationally Notable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	24/07/1984	Slindon Pit and lower Rewell Wood

Gymnosoma rotundatum

Insect - true fly (Diptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	08/08/1999	Slindon Pit and lower Rewell Wood

Aradus aterrimus

Insect - true bug (Hemiptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Peter Hodge	1977	West Sussex (VC13)
SU990068	E C M Haes	19/09/1990	Binsted Wood complex

Ceraleptus lividus

Insect - true bug (Hemiptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU976079	Stuart Ball	02/06/2007	Rewell Wood Complex, Arundel

Andrena (Andrena) apicata

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Recorder @ BWARS	20/03/2009	Rewell Wood, W. of Arundel
SU977074	Recorder @ BWARS	12/03/1995	Rewell Wood
SU978073	Recorder @ BWARS	11/03/2007	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	02/04/1999	Rewell Wood (pit)
SU985073	Mike Edwards	1975 - 1985	A27 Tortington

Andrena (Hoplendrena) bucephala

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU978073	Recorder @ BWARS	18/05/1997	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	09/05/1997	Rewell Wood (pit)
SU985073	Mike Edwards	1975 - 1985	A27 Tortington
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU989075	Recorder @ BWARS	22/05/2000	Rewell Wood Forestry Commission

Andrena (Hoplendrena) trimmerana

Trimmer's Mining Bee

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Recorder @ BWARS	20/03/2009	Rewell Wood, W. of Arundel
SU977074	Recorder @ BWARS	04/04/1992	Rewell Wood
SU978073	Recorder @ BWARS	22/03/1998	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	30/03/1991	Rewell Wood; pit
SU985073	Mike Edwards	1975 - 1985	A27 Tortington
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Andrena (Leucandrena) argentata

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	15/08/1988	Slindon Pit and lower Rewell Wood
SU980073	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU9807	Recorder @ BWARS	13/07/1986	Rewell Sand Pit
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Andrena (Plastandrena) bimaculata

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Recorder @ BWARS	20/03/2009	Rewell Wood, W. of Arundel
SU977074	Recorder @ BWARS	12/03/1995	Rewell Wood
SU978073	Recorder @ BWARS	12/04/1998	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	30/03/1991	Rewell Wood; pit
SU9807	Recorder @ BWARS	13/07/1986	Rewell Sand Pit
SU985073	Mike Edwards	1975 - 1985	A27 Tortington
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Andrena (Poliandrena) florea

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU989075	Recorder @ BWARS	22/05/2000	Rewell Wood Forestry Commission

Andrena (Simandrena) congruens

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	22/04/1988	Slindon Pit and lower Rewell Wood
SU978073	Recorder @ BWARS	01/05/1997	Rewell Wood; sand pit
SU980073	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU9807	Recorder @ BWARS	08/08/1984	Rewell Sand Pit
SU985073	Mike Edwards	1975 - 1985	A27 Tortington
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Bombus (Psithyrus) rupestris**Hill Cuckoo Bee****Insect - hymenopteran****Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	19/05/1999	Slindon Pit and lower Rewell Wood
SU978073	Recorder @ BWARS	26/05/1997	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	19/05/1999	Rewell Wood (pit)
SU985077	Recorder @ BWARS	23/03/2004	Rewell Wood Forestry Commission

Ceratina (Euceratina) cyanea**Blue Carpenter Bee****Insect - hymenopteran****Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	19/05/1999	Slindon Pit and lower Rewell Wood
SU978073	Recorder @ BWARS	26/05/1997	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	28/08/1999	Rewell Wood (pit)
SU9807	Recorder @ BWARS	08/08/1984	Rewell Sand Pit
SU985073	Mike Edwards	1975 - 1985	A27 Tortington
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Lasioglossum (Evylaeus) brevicorne**Insect - hymenopteran****Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	J Field	1978	Slindon Pit and lower Rewell Wood
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Lasioglossum (Evylaeus) malachurum**Insect - hymenopteran****Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	19/05/1999	Slindon Pit and lower Rewell Wood
SU978073	Recorder @ BWARS	08/04/1996	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	19/05/1999	Rewell Wood (pit)
SU9807	Recorder @ BWARS	13/07/1986	Rewell Sand Pit
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Lasioglossum (Evylaeus) pauxillum

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	19/05/1999	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	28/08/1999	Rewell Wood (pit)
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Lasioglossum (Evylaeus) semilucens

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	19/05/1999	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	19/05/1999	Rewell Wood (pit)

Nomada fucata

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	19/05/1999	Slindon Pit and lower Rewell Wood
SU978073	Recorder @ BWARS	01/05/1997	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	19/05/1999	Rewell Wood (pit)

Nomada fulvicornis

6-Banded Nomad Bee

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU978073	Recorder @ BWARS	01/05/1997	Rewell Wood; sand pit

Nomada hirtipes

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	19/05/1999	Slindon Pit and lower Rewell Wood
SU978073	Recorder @ BWARS	26/05/1997	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	19/05/1999	Rewell Wood (pit)

Osmia (Melanosmia) pilicornis

Fringe Horned Mason Bee

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	22/04/1979	Slindon Pit and lower Rewell Wood
SU977074	Recorder @ BWARS	06/05/1995	Rewell Wood
SU978073	Recorder @ BWARS	26/05/1997	Rewell Wood; sand pit
SU980073	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU985073	Mike Edwards	1975 - 1985	A27 Tortington

Osmia (Neosmia) bicolor

Two-coloured Mason Bee

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Recorder @ BWARS	05/04/2009	Rewell Wood, W. of Arundel
SU977074	Recorder @ BWARS	06/05/1995	Rewell Wood
SU978073	Recorder @ BWARS	27/04/1996	Rewell Wood; sand pit
SU980073	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU985073	Mike Edwards	1975 - 1985	A27 Tortington
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU986076	Jim Steedman; Judith Steedman	10/05/2008	Rewell Wood Complex, Arundel

Sphecodes crassus

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	28/08/1999	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	28/08/1999	Rewell Wood (pit)

Sphecodes longulus

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	20/08/1984	Slindon Pit and lower Rewell Wood
SU980073	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU985073	Mike Edwards	1975 - 1985	A27 Tortington
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Sphecodes niger

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	28/08/1999	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	28/08/1999	Rewell Wood (pit)

Sphecodes reticulatus

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	29/08/1984	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	29/08/1984	Rewell Wood
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Sphecodes rubicundus

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	19/05/1999	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	19/05/1999	Rewell Wood (pit)

Sphecodes scabricollis

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU973072	Recorder @ BWARS	02/09/1986	Paines Wood
SU990068	E C M Haes	19/09/1990	Binsted Wood complex
SU993072	Mike Edwards	1971 - 1989	Binsted and Paines Wood

Cerceris ruficornis

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	26/06/1982	Slindon Pit and lower Rewell Wood
SU980073	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Crossocerus (Crossocerus) exiguus

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	28/08/1999	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	28/08/1999	Rewell Wood (pit)
SU985073	Mike Edwards	1975 - 1985	A27 Tortington
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Crossocerus (Cuphopterus) binotatus

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU959077	Anon @ National Trust	July 1997	Slindon Estate (National Trust property)

Ectemnius (Ectemnius) borealis

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	15/08/1988	Slindon Pit and lower Rewell Wood
SU980073	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU989075	Recorder @ BWARS	30/05/1990	Rewell Wood F.C.

Mimesa bruxellensis

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985073	Mike Edwards	1975 - 1985	A27 Tortington

Nysson trimaculatus

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	27/08/1980	Slindon Pit and lower Rewell Wood
SU980073	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU985073	Mike Edwards	1975 - 1985	A27 Tortington

Pemphredon (Ceratophorus) morio

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Philanthus triangulum

Bee Wolf

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	08/08/1999	Slindon Pit and lower Rewell Wood
SU978073	Recorder @ BWARS	04/08/1996	Rewell Wood; sand pit
SU980073	Recorder @ BWARS	08/08/1999	Rewell Wood (pit)

Spilomena troglodytes

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel
SU989075	Recorder @ BWARS	30/05/1990	Rewell Wood

Smicromyrme rufipes

Small Velvet Ant

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985073	Mike Edwards	1975 - 1985	A27 Tortington

Aporus unicolor

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	14/08/1984	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	14/08/1984	Rewell Wood
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Arachnospila (Ammosphex) wesmaeli

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	28/08/1999	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	28/08/1999	Rewell Wood (pit)
SU9807	Recorder @ BWARS	08/08/1984	Rewell Sand Pit
SU985073	Mike Edwards	1975 - 1985	A27 Tortington

Arachnospila (Anoplochaes) minutula

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	08/08/1999	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	08/08/1999	Rewell Wood (pit)

Auplopus carbonarius

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	31/07/1984	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	31/07/1984	Rewell Wood
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Priocnemis (Priocnemis) cordivalvata

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	28/08/1999	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	28/08/1999	Rewell Wood (pit)
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Priocnemis (Umbripennis) coriacea

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	22/04/1988	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	22/04/1988	Rewell Wood
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Tiphia minuta

Small Tiphia

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	24/07/1984	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	24/07/1984	Rewell Wood
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Dolichovespula (Dolichovespula) media

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU980073	Recorder @ BWARS	08/08/1999	Rewell Wood (pit)

Eumenes coarctatus

Heath Potter Wasp

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	08/07/1984	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	08/07/1984	Rewell Wood
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Microdynerus exilis

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	14/07/1984	Slindon Pit and lower Rewell Wood
SU980073	Recorder @ BWARS	14/07/1984	Rewell Wood
SU985077	Mike Edwards	1971 - 1989	Rewell Wood Complex, Arundel

Atolmis rubricollis

Red-necked Footman

Insect - moth

A black nationally local species of deciduous woodland in southern England, Wales and south west Scotland. In Sussex it is only found regularly in Rewell Woods at Arundel and it may still be in Houghton Forest. Caterpillars feed on lichens on trees in woodlands.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood Complex, Arundel
SU985077	Tony Davis	17/06/2003	Rewell Wood Complex, Arundel
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Eilema sororcula

Orange Footman

Insect - moth

A pretty nationally local species found in woods in southern UK. It has recently expanded its range. In Sussex it is now scattered over the county and can be quite common in woods. Caterpillars feed on lichens growing on trees.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Sarah Patton	04/06/2005	Rewell Wood Complex, Arundel
SU985077	John Langmaid;Tony Davis	20/05/2010	Rewell Wood Complex, Arundel

Spilosoma urticae

Water Ermine

Insect - moth

This nationally scarce (b) species is largely confined to coastal wetlands in south east England. In Sussex it occurs in all of the lower reaches of all the rivers and has highest populations at Amberley Wildbrooks, Pevensey Levels and around Rye. Caterpillars feed on the leaves of various marshland flowers.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Julian Clarke	27/06/2001	West Sussex (VC13)

Eudonia pallida

Marsh Grey

Insect - moth**Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood Complex, Arundel

Evergestis pallidata

Chequered Pearl

Insect - moth**Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Tony Davis	08/08/2003	Rewell Wood Complex, Arundel

Tetheella fluctuosa**Satin Lutestring****Insect - moth**

This nationally local species occurs in mature woodlands in south east England, Wales, northern England and the great Glen in Scotland. In Sussex it is widespread and sometimes common in mature woods and wooded heaths throughout the county. Caterpillars feed on Birch.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Sarah Patton	04/06/2005	Rewell Wood Complex, Arundel
SU985077	Tony Davis	27/06/2004	Rewell Wood Complex, Arundel
SU993072	John Knight	07/07/2006	Binsted and Paines Wood

Ethmia dodecea**Dotted Ermel****Insect - moth****Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood Complex, Arundel
SU985077	Tony Davis	27/06/2004	Rewell Wood Complex, Arundel

Schrankia taenialis**White-line Snout****Insect - moth**

This little nationally scarce (b) species occurs mostly in south west England in damp woodland. In Sussex it appears to be widely spread in the larger woodlands and occasionally seen elsewhere. It probably gets overlooked since it is so small. It is not known what the caterpillars feed on.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU981075	Sean Clancy	01/07/2001	Rewell Wood Complex, Arundel
SU985077	Tony Davis	27/06/2004	Rewell Wood Complex, Arundel

Eriocrania chrysolepidella**Small Hazel Purple****Insect - moth****Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	I.R. Thirlwell;R.J. Dickson;John Langmaid	01/06/1999	Rewell Wood Complex, Arundel

Dichomeris alacella**Lichen Sober****Insect - moth****Designations**

Nationally Notable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Ballet-Fletcher coll W.	1889	West Sussex (VC13)

Eulamprotes immaculatella

Twilight Neb

Insect - moth

Designations

Nationally Notable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Dan Hoare;Tony Davis	10/05/2008	Rewell Wood Complex, Arundel

Teleiodes wgae

Hazel Groundling

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	28/05/2006	Rewell Wood Complex, Arundel
SU985077	Tony Davis	04/06/2005	Rewell Wood Complex, Arundel

Cepphis advenaria

Little Thorn

Insect - moth

This small yellow species is nationally scarce (b) and only occurs in two areas of southern Britain. In Sussex it is restricted to the heathy woods at the western end of West Sussex, predominantly west of Arundel and Billingshurst. In this area it is scarce, but fairly widespread. Caterpillars feed on Bilberry.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	28/05/2006	Rewell Wood Complex, Arundel
SU985077	John Langmaid;Tony Davis	20/05/2010	Rewell Wood Complex, Arundel

Chesias rufata

Broom-tip

Insect - moth

This nationally scarce (b) species occurs mostly in Scotland, Wales and northern England where Broom grows. In Sussex it is only regularly found in two sites, one near Rogate in West Sussex and the other at Ninfield near Hastings in East Sussex. Caterpillars feed on Broom.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Chloroclysta siterata

Red-green Carpet

Insect - moth

This woodland species is common in the north and west of Britain and scarce, but increasing elsewhere. In Sussex it is now widespread in the Wealden and greensand woodlands. Caterpillars feed on the leaves of various trees.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Dan Hoare;Tony Davis	10/05/2008	Rewell Wood Complex, Arundel

Cyclophora annularia

Mocha

Insect - moth

This pretty nationally scarce (b) species occurs in woodlands in parts of southern England. In Sussex it widespread in West Sussex, but in East Sussex only occurs regularly in the Brede Valley and the Hastings area. Caterpillars feed on Field Maple.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Dan Hoare;Tony Davis	10/05/2008	Rewell Wood Complex, Arundel
SU993072	John Knight	08/08/2005	Binsted and Paines Wood

Ennomos autumnaria

Large Thorn

Insect - moth

This nationally scarce (b) species occurs in woods and scrub in south east England. In Sussex it occurs on the wooded downs between Newhaven and Arundel, at Pagham, Chichester, Bognor and the area around Rye and Beckley Woods. Caterpillars feed on various trees.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU952073	John Knight	26/08/2006	Slindon Woods

Eupithecia expallidata

Bleached Pug

Insect - moth

This nationally scarce (b) species occurs in woods in the southern half of Britain. In Sussex it is scattered in East Sussex, but in the west only occurs at Rewell Wood near Arundel, Van Common near Fernhurst and Kings Park Wood near Plaistow. Caterpillars feed on Goldenrod flowers.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Tony Davis	06/08/2005	Rewell Wood Complex, Arundel

Eupithecia inturbata

Maple Pug

Insect - moth

This nationally scarce (b) species is found predominantly in south east England favouring woods and scrub on the chalk. In Sussex it is found in sites scattered throughout the county and is quite widespread, but never common. Caterpillars feed on the flowers of Field Maple, but only on large trees.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU960066	John Radford	August 1996	Walberton nr Arundel

Eupithecia satyrata

Satyr Pug

Insect - moth

A nationally local species of open habitats that is common in Scotland and upland areas of Wales and England, but very local in southern England. In Sussex it occurs in several places on the downs and nearby heaths, but it is still rare in East Sussex with only one or two sites. Caterpillars feed on various flowers.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Tony Davis	03/06/2004	Rewell Wood Complex, Arundel

Eupithecia trisignaria

Triple-spotted Pug

Insect - moth

This species is widespread, but very local throughout England and Wales. In Sussex it is only known from Rewell Wood and adjacent downland in West Sussex. Caterpillars feed on the seeds of Wild Angelica and Hogweed.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Tony Davis	08/08/2003	Rewell Wood Complex, Arundel

Hydrelia sylvata

Waved Carpet

Insect - moth

This nationally scarce (b) species occurs in woodlands in south west England, south west Wales and in Sussex. In Sussex it is fairly widespread in the Weald of East Sussex and the large woodlands of West Sussex. Caterpillars feed on various trees.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU981075	Sean Clancy	02/07/2001	Rewell Wood Complex, Arundel
SU983074	Sean Clancy	02/07/2001	Rewell Wood Complex, Arundel
SU984077	Sean Clancy	01/07/2001	Rewell Wood Complex, Arundel
SU985077	Tony Davis	06/08/2005	Rewell Wood Complex, Arundel
SU993072	John Knight	04/07/2006	Binsted and Paines Wood
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Hypomecis roboraria

Great Oak Beauty

Insect - moth

This nationally scarce (b) species occurs in ancient woodlands in central southern England. In Sussex it occurs in many of the mature woodlands, but is only regularly found in the mature woods around Petworth. Caterpillars feed on Oak.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU984077	Sean Clancy	01/07/2001	Rewell Wood Complex, Arundel
SU985077	Tony Davis	27/06/2004	Rewell Wood Complex, Arundel
SU993072	John Knight	04/07/2006	Binsted and Paines Wood

Minoa murinata

Drab Looper

Insect - moth

This nationally scarce (b) species occurs in woodland in two large areas of southern England. In Sussex it currently only occurs in West Sussex in woodlands around Plaistow and Arundel. Caterpillars feed on Wood Spurge.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU98370772	Tony Davis	28/05/2006	Rewell Wood Complex, Arundel

Perizoma albulata

Grass Rivulet

Insect - moth

A nationally local species of chalk grassland, sand dunes and shingle over much of lowland UK. In Sussex it is found on much of the downs, but is very scarce except between Brighton and Eastbourne in East Sussex and the downs above Storrington in West Sussex. Caterpillars feed on the ripening seeds of Yellow Rattle.

Designations

Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood Complex, Arundel

Scopula emutaria

Rosy Wave

Insect - moth

A nationally scarce (b) species found in river valleys and the coasts of south and east England and the New Forest bogs. In Sussex it is found at Chichester and Pagham Harbours and Climping dunes in West Sussex and the lower Ouse, lower Cuckmere, Pevensey Levels and Pett to Rye area in East Sussex. It is not know what the caterpillars feed on.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU993072	John Knight	08/08/2005	Binsted and Paines Wood

Thera cupressata

Cypress Carpet

Insect - moth

A nationally scarce species that only colonised UK in 1984. It occurs on the south coast from Cornwall to Kent in urban areas. In Sussex it has a colony around Arundel, but may be spreading eastwards. Caterpillars feed on Cypresses.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Apoda limacodes

Festoon

Insect - moth

A nationally scarce (b) species of the older woodlands in south and east England. In Sussex it is widespread in most areas except the central parts. Ashdown Forest is the best site. Caterpillars feed on Oak.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood Complex, Arundel
SU981075	Sean Clancy	01/07/2001	Rewell Wood Complex, Arundel
SU984077	Sean Clancy	01/07/2001	Rewell Wood Complex, Arundel
SU985077	Tony Davis	27/06/2004	Rewell Wood Complex, Arundel
SU993072	John Knight	21/07/2006	Binsted and Paines Wood

Heterogenea asella

Triangle

Insect - moth

A small Red Data Book moth of large, ancient Oak woodlands. Very rare and only occurring in a few parts of the south east of Britain. In Sussex it is currently known from Stansted Forest and Binsted Woods in West Sussex and from Beckley Woods near Rye in East Sussex. Caterpillars feed on Oak and Beech.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Thecla betulae

Brown Hairstreak

Insect - butterfly

A butterfly requiring sloe scrub in which to breed. Widely, but very thinly, distributed in West Sussex, but gone from the east and generally in decline nationally.

Designations

IUCN (2001) - Vulnerable; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU990068	Jeremy Halls	1990	Binsted Wood complex

Mompha divisella

Neat Cosmet

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Anon	1868	Rewell Wood Complex, Arundel

Mompha terminella**Enchanters Cosmet****Insect - moth****Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Mark Parsons	25/06/2003	Rewell Wood Complex, Arundel

Cosmia diffinis**White-spotted Pinion****Insect - moth**

This Red Data Book species has declined recently and now only occurs in Elm woods in Huntingdon and Cambridgeshire. In Sussex it has declined and is probably extinct. Singletons recorded recently around Pagham and Littlehampton may indicate colonies. Caterpillars feed on Elm.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species

Grid Reference	Recorder	Date	Locality
SU9607	Colin Pratt	1980 - 2002	Slindon Estate (National Trust property)

Cucullia asteris**Star-wort****Insect - moth**

A nationally scarce (b) species of woods and salt marshes in south and east England. In Sussex it is widespread in East Sussex and the west of West Sussex with regular records coming from Rye Harbour, Plashett and Vert Woods and around Pagham Harbour. Caterpillars feed on Sea Aster in salt marshes and Goldenrod in woods.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU974054	Kate Ryland;Barry Kemp	22/04/2005	Lazy W Pond, Walberton

Elaphria venustula**Rosy Marbled****Insect - moth**

A nationally scarce (b) species of heathy woodlands in south east England. In Sussex it has increased and is now very widespread in woodlands throughout the county. Caterpillars are thought to feed on the flowers of Tormentil and Creeping Cinquefoil.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Sarah Patton	04/06/2005	Rewell Wood Complex, Arundel
SU985077	Tony Davis	27/06/2004	Rewell Wood Complex, Arundel

Moma alpium**Scarce Merveille Du Jour****Insect - moth**

This Red Data Book species occurs in woodlands in five areas of southern England. Two of these are in Sussex. One is in the Beckley Woods complex near Rye in East Sussex. The other is in West Sussex in the woods around Arundel including Rewell Woods and in Southleigh Forest near Emsworth. Caterpillars feed on Oak.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood Complex, Arundel
SU985077	Tony Davis	03/06/2004	Rewell Wood Complex, Arundel
SU993072	John Knight	04/07/2006	Binsted and Paines Wood
SU999071	Nicky Souter;John Knight	25/06/2001	Binsted Wood complex

Xestia rhomboidea**Square-spotted Clay****Insect - moth**

This nationally scarce (b) species occurs in scattered deciduous woods throughout UK, but mostly in the Breckland area of East Anglia. In Sussex it now occurs only in Rewell Wood in West Sussex. Caterpillars feed on various low growing plants.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU985077	Tony Davis	06/08/2005	Rewell Wood Complex, Arundel

Ptilodon cucullina**Maple Prominent****Insect - moth**

A nationally local species of woods, mostly on the chalk. It is found mostly in southern and eastern England, but is expanding its range. In Sussex it is found in woods on the Downs west of Arundel and in woods between Battle and Rye in the east of East Sussex. Caterpillars feed on Field Maple.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU952073	John Knight	25/08/2007	Slindon CP
SU952075	John Knight	20/08/2005	Slindon Bottom Wood, Slindon
SU9807	Tony Davis	12/06/2004	Rewell Wood Complex, Arundel
SU985077	Dan Hoare;Tony Davis	10/05/2008	Rewell Wood Complex, Arundel
SU993072	John Knight	21/07/2006	Binsted and Paines Wood
SU999071	John Knight	11/08/2001	Binsted Wood complex

Apatura iris**Purple Emperor****Insect - butterfly**

Much rarer today than in the past, this swallow-feeding woodland butterfly has shown some signs of recovery in recent years. Currently widespread nationally, but rare in West Sussex.

Designations

IUCN (2001) - Lower risk - near threatened; Sussex Rare Species Inventory; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU990068	John Knight	2000	Binsted Wood complex
SU991064	Alexander Henderson	23/07/2006	Binsted Woods
SU992062	John Knight	02/10/1999	Madonna Pond, Binsted
SU996076	Brianne Reeve	29/07/1999	Binsted Wood

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Boloria euphrosyne**Pearl-bordered Fritillary****Insect - butterfly**

A rapidly declining, violet-feeding woodland butterfly only recorded from 20 1km squares, across Sussex, since 2000. Once widespread and abundant in both counties.

Designations

IUCN (2001) - Endangered; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.5a; 9.5b)

Grid Reference	Recorder	Date	Locality
SU950072	Mike Snelling	07/05/2006	Rewell Wood Complex, Arundel
SU9606	Jim Steedman;Judith Steedman	05/06/1996	Slindon/Rewell (SW) Woods
SU9707	Jim Steedman;Judith Steedman	14/05/2010	West Sussex (VC13)
SU975074	Pip Howes	19/05/1997	Dens Wood
SU979079	Peter Atkinson	23/04/2009	West Sussex (VC13)
SU97970796	Rob Thurlow	04/05/2009	West Sussex (VC13)
SU980079	Sam Bayley	03/06/2006	Rewell Wood Complex, Arundel
SU9806	Jim Steedman;Judith Steedman	05/06/1996	Binstead/Paine's/Rewell (SE) Woods
SU9807	Richard Roebuck	23/05/2010	West Sussex (VC13)
SU981079	D.A. Dancy;M. Dancy	15/05/2010	West Sussex (VC13)
SU982077	Dan Hoare	27/04/2007	Rewell Wood
SU982078	Dan Hoare	06/05/2008	Rewell Wood
SU982079	Dan Hoare	27/04/2007	Rewell Wood
SU983076	Rob Thurlow	15/05/2002	Rewell Wood FC Site 4, E W Ride
SU983078	Neil Hulme	24/04/2009	West Sussex (VC13)
SU983079	Rob Thurlow	25/05/2005	Rewell Wood
SU984072	Rob Thurlow	25/05/2005	Rewell Wood
SU986076	Dan Hoare	18/05/2005	Rewell Wood
SU986077	Rob Thurlow	09/05/2005	Rewell Wood
SU986078	Rob Thurlow	25/05/2005	Rewell Wood
SU987077	Dan Hoare	27/04/2007	Rewell Wood
SU987078	Rob Thurlow	18/05/2005	Rewell Wood
SU988079	Caroline Bulman	25/04/2002	Rewell Wood, Arundel
SU990068	Jeremy Halls	1990	Binsted Wood complex
SU9907	Jim Steedman;Judith Steedman	03/05/1999	Paine's Wood, Binsted
SU992073	John Knight	22/05/1998	Paines Wood, Binsted

Boloria selene**Small Pearl-bordered Fritillary****Insect - butterfly**

A rapidly declining, violet-feeding woodland butterfly only recorded from 10 1km squares, all in central East Sussex, since 2000. Once widespread and abundant in both counties.

Designations

IUCN (2001) - Lower risk - near threatened; Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species)

Grid Reference	Recorder	Date	Locality
SU990068	E C M Haes	19/09/1990	Binsted Wood complex

Elegia similella

White-barred Knot-horn

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood Complex, Arundel
SU985077	Tony Davis	17/06/2003	Rewell Wood Complex, Arundel

Oncocera semirubella

Rosy-striped Knot-horn

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9606	John Radford	25/07/1985	Walberton CP

Nemapogon clematella

Barred White Clothes

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9906	John Langmaid; Sarah Patton	30/03/2005	Tortington Common

Epinotia demarniana

Birch Bell

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	12/06/2004	Rewell Wood Complex, Arundel
SU985077	Tony Davis	03/06/2004	Rewell Wood Complex, Arundel

Eucosmomorpha albersana

Honeysuckle Bell

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Tony Davis	28/05/2006	Rewell Wood Complex, Arundel
SU985077	John Langmaid; Tony Davis	20/05/2010	Rewell Wood Complex, Arundel

Pammene germmana

Black Piercer

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	I.R. Thirlwell;R.J. Dickson;John Langmaid	01/06/1999	Rewell Wood Complex, Arundel
SU985077	Tony Davis	27/06/2004	Rewell Wood Complex, Arundel

Spatalistis bifasciana

Small Purple Button

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9807	Sarah Patton	04/06/2005	Rewell Wood Complex, Arundel
SU985077	Tony Davis	17/06/2003	Rewell Wood Complex, Arundel

Yponomeuta sedella

Grey Ermine

Insect - moth

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Anon	1868 - 1900	West Sussex (VC13)

Omocestus rufipes

Woodland Grasshopper

Insect - orthopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9507	John Paul	19/09/1995	Slindon CP
SU961075	John Paul	19/09/1995	West Sussex (VC13)
SU990068	Jeremy Halls	1990	Binsted Wood complex

Conocephalus fuscus

Long-winged Cone-head

Insect - orthopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU9707	Mike Edwards	08/08/1999	Slindon Pit and lower Rewell Wood
SU990068	Jeremy Halls	1990	Binsted Wood complex

Arvicola amphibius

European Water Vole

Terrestrial mammal

The fastest declining native British mammal, the water vole was 'Ratty' in Wind in the Willows. Water voles prefer slow flowing streams, rivers and dykes with steep earth banks and luxuriant emergent vegetation. They have been in decline for over a century mainly due to loss of habitat while the presence of American mink has greatly hastened this decline. In many areas of mainland Britain water voles are already extinct but there are still some strong populations in Sussex. A legally protected species, listed on the Sussex Rare Species Inventory and the subject of a Sussex Species Action Programme.

Designations

Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec; Sussex Biodiversity Action Plan; Sussex Protected Species Register; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 Schedule 5 Sections (9.1 killing/injuring; 9.1 taking; 9.2; 9.4a; 9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
SU968049	Mark Elliott	1998	West Sussex (VC13)

4 Confidential records exist for this enquiry area. Please contact the record centre if you require further information.

SUSSEX INVASIVE ALIEN SPECIES REPORT

The Sussex Invasive Alien Species Report is produced in order to help minimise the threat posed by invasive alien species in Sussex. Records are labelled so that only one record per species per grid reference is included - this will usually be the most up to date record.

Most alien species pose no threat to native species, and indeed many naturalised non-natives represent important additions to our flora and fauna. An older record of an alien invasive species may denote that there was once a problem at this site, but it has subsequently been dealt with. However, the problem may still persist but no up to date information is available.

What is an Invasive Alien Species?

The term alien is synonymous with the term non-native. An invasive alien is defined as an alien species whose introduction and/or spread threatens biological diversity. Invasive alien species are referred to by several names, which are often used interchangeably: non-natives, introduced, non-indigenous, exotic, foreign, noxious, aggressive, pest or harmful species.

What's the problem?

With no natural predators and a benign climate, invasive alien species can out-compete our native plant and animal species. For example, some invasive alien plants species can change light levels, decrease dissolved oxygen in water, change soil chemistry and its structure, and increase surface run-off and soil erosion. On a more subtle level, invasive alien species can affect ecosystem processes such as nutrient cycling, pollination and regeneration of soils. Invasive fauna can compete with native species, displace them, consume them, act as parasites or transmit diseases, reduce growth and survival rates, cause the decline or extinction of local populations or even entire species.

What control is in place?

Section 14 of The Wildlife and Countryside Act (1981) is the principal legislation dealing with the release of non-native species. This has been amended by the Natural Environment and Rural Communities (NERC) Act (2006) in England and Wales. Section 14 of the Act makes it illegal to allow any animal which is not ordinarily resident in Great Britain, or is listed on Schedule 9 of the Act, to escape into the wild, or to release it into the wild. It is also illegal to plant or otherwise cause to grow in the wild any plant listed on Schedule 9 of the Act.

What to do if there is an invasive alien species on your site

If you have any of the species listed in this report on your site, firstly investigate the recommended control for the particular species. You can search by species name on the [GB non-native species secretariat website](#) for further advice.

If there are invasive alien species at your site that are not in this report please contact us on sxbrc@sussexwt.org.uk or 01273 497521 so that we can update our database.

SUSSEX INVASIVE ALIEN SPECIES REPORT

Please note that bird records are not included in this report.

Walberton Parish

06 May 2014 ESD/14/227 Search Area: SU9604 to SU9904; SU9505 to SU9906; SU9407 to SU9907
Peter Brown

Campylopus introflexus

Heath Star Moss

Moss

A now widespread moss introduced from the Southern Hemisphere. First British record was from Heath Common, Sullington in 1941. Tends to overwhelm native moss species and now very widespread in Sussex.

Grid Reference	Recorder	Date	Locality
SU973078	Graham Roberts;Howard Matcham;Francis Rose	24/02/1993	Slindon Gravel Pit
SU974078	Howard Matcham	1987 - 1993	Shellbridge Road

Crocasmia pottsii x aurea = C. x crocosmiiflora

Montbretia

Flowering plant

A well-known garden escape with orange flowers from South Africa. Widespread across Sussex. Listed on Schedule 9 of the Wildlife & Countryside Act 1981.

Grid Reference	Recorder	Date	Locality
SU90S	D Donovan	2006	Barnham/S.Walberton area, West Sussex (VC13)
SU90T	Howard Matcham;M. Shaw	10/08/2011	Danes Wood, West Sussex (VC13)
SU90X	Nick Sturt;Elizabeth Sturt	06/05/2006	Binstead, West Sussex (VC13)
SU990068	Anon @ Sussex Bot. Rec. Soc.;Anon @ Sussex Wildlife Trust	1989 - 1992	Binsted Wood complex

Allium triquetrum

Three-cornered Garlic

Flowering plant

This perennial bulbous plant was introduced from the Mediterranean region and established in Britain by the mid 19th C. It spreads rapidly by ant-dispersed seed and is increasing its range here partly in response to milder climatic conditions. It can displace bluebells and other native flora in woodlands and along verges. Widespread and increasing in Sussex.

Grid Reference	Recorder	Date	Locality
SU961048	D Donovan	2005	Barnham

Hyacinthoides hispanica**Spanish Bluebell****Flowering plant**

A species from Spain and Portugal that has been recorded as a garden escape since 1909 and occasionally becomes naturalised. Often confused with its more invasive hybrid with our native bluebell *H. hispanica* x *H. non-scripta*. Widespread in Sussex.

Grid Reference	Recorder	Date	Locality
SU975045	Simon Curson	14/05/2003	Road Verge on Lake Lane, Yapton, Yapton CP

Hyacinthoides non-scripta* x *hispanica* = *H. x massartiana Hybrid bluebell**Flowering plant**

A species from Spain and Portugal that has been recorded as a garden escape since 1909 and occasionally becomes naturalised. Often confused with its more invasive hybrid with our native bluebell *H. hispanica* x *H. non-scripta*. Widespread in Sussex.

Grid Reference	Recorder	Date	Locality
SU90S	D Donovan	2005	Barnham/Walberton area, West Sussex (VC13)
SU90X	Nick Sturt;Elizabeth Sturt	06/05/2006	Binstead, West Sussex (VC13)
SU90Y	M. Shaw	27/04/2011	Rewell/Binstead woods, West Sussex (VC13)

Crassula helmsii**New Zealand Pigmyweed****Flowering plant**

An Australasian aquatic plant introduced to Britain in the 1920s. It started to spread rapidly in the late 1970s and is now widespread around ponds, lakes and reservoirs, though possibly declining. It has a very damaging effect on indigenous flora and fauna by smothering waterside habitat and is almost impossible to eradicate from a site once it is established.

Grid Reference	Recorder	Date	Locality
SU90Y	C.M.P. Ryland	04/06/2005	Walburton, West Sussex (VC13)
SU992062	Kate Ryland;Barry Kemp	06/05/2005	Madonna PondBinsted
SU99260616	Jonathan Wood;Bev Wadge	08/09/2012	Binsted Lane, Walberton, Madonna Pond (Binsted 4)

Myriophyllum aquaticum**Parrot's-feather****Flowering plant**

A South American water plant first recorded in the wild in 1960 and now widespread in standing waters in Sussex and elsewhere. Has a damaging effect on native flora and fauna which it out-competes.

Grid Reference	Recorder	Date	Locality
SU90Y	C.M.P. Ryland	04/06/2005	Walburton, West Sussex (VC13)
SU992062	Kate Ryland;Barry Kemp	06/05/2005	Madonna PondBinsted
SU99260616	Jonathan Wood;Bev Wadge	08/09/2012	Binsted Lane, Walberton, Madonna Pond (Binsted 4)

Parthenocissus inserta**False virginia creeper****Flowering plant**

A climber from North America widely grown as a garden plant but now becoming increasingly naturalised particularly in urban areas. Frequently confused with the other Virginia creeper, *Parthenocissus quinquefolia*. It has been recorded from Hastings and Possingworth Park in East Sussex and Barham in West Sussex. It is listed on Schedule 9 of the Wildlife & Countryside Act 1981.

Grid Reference	Recorder	Date	Locality
SU9638304119	D Donovan	02/06/2007	Yapton Road, Barnham, West Sussex (VC13)

Robinia pseudoacacia**False-acacia****Flowering plant**

A North American tree introduced in the 17th century and later widely planted. It is now regarded as a global invader and often classified as a weed tree as it spreads readily by seed and suckers and grows quickly. With climate change it is establishing itself in the British countryside as native oak and beech come under increased environmental stress.

Grid Reference	Recorder	Date	Locality
SU98970475	M. Shaw	01/07/2011	North of Ford Lane, West Sussex (VC13)

Prunus laurocerasus**Cherry Laurel****Flowering plant**

From eastern Europe and western Asia a now widely planted and often self-sown shrub in many woods in Britain. In some cases it makes up the whole of the lower canopy, effectively shading out any ground flora and preventing the natural regeneration of trees and shrubs. Widespread and increasing in Sussex.

Grid Reference	Recorder	Date	Locality
SU90S	D Donovan	2006	Barnham/S.Walberton area, West Sussex (VC13)
SU90T	D. Donovan	18/09/2010	Walberton, Walberton CP
SU90Y	M M Shaw	24/03/2009	Binsted Wood, West Sussex (VC13)
SU952079	J Lister;P K Jackson;R Tibbetts	July 1997	Slindon Bottom, Slindon Estate (National Trust property)
SU962066	Victoria Hume	18/07/2008	Potwell Copse
SU963070	Victoria Hume	18/07/2008	Ash Beds
SU964073	J Lister;P K Jackson;R Tibbetts	July 1997	Slindon Common, Slindon Estate (National Trust property)
SU972067	Victoria Hume	28/08/2008	Avisford Golf Course
SU976055	Victoria Hume	26/08/2008	Walberton Shaw

Cotoneaster simonsii**Himalayan cotoneaster****Flowering plant**

A shrub up to 4m tall from the Himalayas widely naturalised in the British Isles. Well-established across East and West Sussex. Listed on schedule 9 of the Wildlife & Countryside Act 1981.

Grid Reference	Recorder	Date	Locality
SU9516507539	M. Shaw	22/04/2011	Slindon Woods

Fallopia japonica**Japanese Knotweed****Flowering plant**

Listed on Schedule 9 Part II of the Wildlife & Countryside Act (1981). It is an offence to plant or otherwise cause to grow the species in the wild. Described as the most pernicious weed in Britain by Plantlife, Japanese knotweed was introduced in the UK in the mid-19th century as an ornamental plant. It is now a problem invasive perennial throughout Europe. It is an offence to plant, or otherwise cause to grow, the species in the wild. Landowners are liable to prosecution if they allow the plant to spread from their land.

Grid Reference	Recorder	Date	Locality
SU90S	D Donovan	2006	Barnham/S.Walberton area, West Sussex (VC13)
SU90X	Nick Sturt;Elizabeth Sturt	06/05/2006	Binstead, West Sussex (VC13)

Impatiens glandulifera**Indian Balsam****Flowering plant**

A tall annual alien introduced in 1839. Usually found in waterside situations where it becomes a dominant plant substantially reducing native species richness.

Grid Reference	Recorder	Date	Locality
SU90T	D. Donovan	19/09/2011	Walberton, Walberton CP
SU98930502	Jonathan Wood;Bev Wadge	08/09/2012	Hoe lane pond, Walberton, Binsted 2 Hoe lane pond
SU9897704932	Jacqueline Thompson	26/08/2009 - 11/11/2009	Site: 126 Marsh Farm, Binstead, West Sussex (VC13)

Rhododendron ponticum**Rhododendron****Flowering plant**

A naturalised, purple-flowered shrub introduced in 1763. Most UK plants derive from Spanish stock. A highly invasive species that suppresses native vegetation and its associated flora and fauna.

Grid Reference	Recorder	Date	Locality
SU90T	Judy Wilson;Nick Sturt;Elizabeth Sturt	August 2004	Slindon Common, Slindon CP
SU90Y	M M Shaw	24/03/2009	Binsted Wood, West Sussex (VC13)
SU962066	Victoria Hume	18/07/2008	Potwell Copse
SU990068	Anon @ Sussex Bot. Rec. Soc.;Anon @ Sussex Wildlife Trust	1989 - 1992	Binsted Wood complex
SU992068	Tony Whitbread	01/06/1988	Binsted and Paines Wood

Lamium galeobdolon subsp. argentatum Yellow Archangel**Flowering plant**

Often listed just as *Lamiastrum galeobdolon montanum*. However, the New Atlas of the British Flora and other sources point out that *L. g. montanum* is the widespread yellow archangel of the British countryside and that the nominate subspecies *L. g. ssp. galeobdolon* is a rare plant confined as a native to Lincolnshire and Kirkcudbrightshire. Some authorities position the variegated invasive alien yellow archangel as *L. g. ssp. montanum*, others as *L. g. ssp. argentatum*. This latter form is thought to have been introduced in the late 1960s and is spreading rapidly. It is widespread in Sussex and listed on Schedule 9 of the Wildlife & Countryside Act 1981.

Grid Reference	Recorder	Date	Locality
SU90T	Howard Matcham;M. Shaw	10/08/2011	Danes Wood, West Sussex (VC13)

Petasites fragrans**Winter Heliotrope****Flowering plant**

A large-leaved, rampant perennial plant from the Far East spreading by means of underground stems by up to 1 metre per year. Very invasive, often forming large wayside colonies to the exclusion of all other species. Sweet scented mauve pink spikes of flower in winter.

Grid Reference	Recorder	Date	Locality
SU90T	Judy Wilson;Nick Sturt;Elizabeth Sturt	August 2004	Slindon Common, Slindon CP
SU90X	Nick Sturt;Elizabeth Sturt	06/05/2006	Binstead, West Sussex (VC13)
SU990068	Anon @ Sussex Bot. Rec. Soc.;Anon @ Sussex Wildlife Trust	1989 - 1992	Binsted Wood complex

Centranthus ruber

Red valerian

Flowering plant

In small quantities this Mediterranean plant is of value to butterflies, moths, bees and other fauna, but it can become invasive and spread across areas like vegetated shingle. It is best, if possible, to remove dead flower heads to prevent seed from spreading. It was first recorded in the wild in Britain in 1763 and is common across Sussex.

Grid Reference	Recorder	Date	Locality
SU90S	D Donovan	2006	Barnham/S.Walberton area, West Sussex (VC13)
SU90T	D Donovan	2007	Walberton, Walberton CP

FULL SPECIES LIST (Excluding Birds)

Walberton Parish

06 May 2014

ESD/14/227

Search Area: SU9604 to SU9904; SU9505 to SU9906; SU9407 to SU9907

Peter Brown

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Ceratiomyxa fruticulosa</i>		slime mould	19/04/1993	-	1
<i>Arthonia didyma</i>		lichen	14/12/1968	-	1
<i>Arthonia vinosa</i>		lichen	14/12/1968	-	1
<i>Chrysothrix candelaris</i>		lichen	14/12/1968	-	1
<i>Cresponea premnea</i>		lichen	30/07/1992	-	1
<i>Dirina massiliensis forma sorediata</i>		lichen	30/07/1992	-	2
<i>Enterographa crassa</i>		lichen	14/12/1968	-	3
<i>Opegrapha atra</i>		lichen	14/12/1968	-	1
<i>Opegrapha herbarum</i>		lichen	31/12/1985	-	1
<i>Opegrapha varia</i>		lichen	14/12/1968	-	2
<i>Opegrapha vulgata</i>		lichen	14/12/1968	-	1
<i>Schismatomma decolorans</i>		lichen	14/12/1968	30/07/1992	2
<i>Ramularia lactea</i>		fungus	31/07/2011	-	1
<i>Stenocybe septata</i>		fungus	14/12/1968	23/04/1972	2
<i>Acrocordia gemmata</i>		lichen	14/12/1968	-	1
<i>Pyrenula chlorospila</i>		lichen	31/12/1987	-	1
<i>Pyrenula nitida</i>		lichen	14/12/1968	-	1
<i>Normandina pulchella</i>		lichen	14/12/1968	31/12/1987	2
<i>Verrucaria baldensis</i>		lichen	30/07/1992	-	2
<i>Verrucaria glaucina</i>		lichen	30/07/1992	-	3
<i>Verrucaria hochstetteri</i>		lichen	30/07/1992	-	4
<i>Verrucaria muralis</i>		lichen	30/07/1992	-	2
<i>Verrucaria nigrescens</i>		lichen	30/07/1992	-	3
<i>Verrucaria viridula</i>		lichen	30/07/1992	-	2
<i>Acarospora fuscata</i>		lichen	30/07/1992	-	1
<i>Trapelia coarctata</i>		lichen	30/07/1992	-	1
<i>Candelariella medians</i>		lichen	30/07/1992	-	2
<i>Candelariella vitellina</i>		lichen	30/07/1992	-	2

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Cladonia coniocraea</i>		lichen	14/12/1968	-	1
<i>Cladonia fimbriata</i>		lichen	30/07/1992	-	1
<i>Cladonia macilenta</i>		lichen	30/07/1992	-	1
<i>Haematomma ochroleucum</i>		lichen	14/12/1968	-	1
<i>Lecanora albescens</i>		lichen	30/07/1992	-	3
<i>Lecanora campestris</i>		lichen	30/07/1992	-	3
<i>Lecanora chlarotera</i>		lichen	14/12/1968	30/07/1992	2
<i>Lecanora conizaeoides</i>		lichen	14/12/1968	30/07/1992	4
<i>Lecanora crenulata</i>		lichen	30/07/1992	-	3
<i>Lecanora dispersa</i>		lichen	30/07/1992	-	2
<i>Lecanora polytropa</i>		lichen	30/07/1992	-	2
<i>Lecanora sulphurea</i>		lichen	30/07/1992	-	1
<i>Lecidella scabra</i>		lichen	30/07/1992	-	3
<i>Lecidella stigmatia</i>		lichen	30/07/1992	-	2
<i>Pyrrhospora quemea</i>		lichen	14/12/1968	30/07/1992	2
<i>Evernia prunastri</i>	Oak Moss	lichen	14/12/1968	23/04/1972	3
<i>Flavoparmelia caperata</i>		lichen	09/10/1968	30/07/1992	10
<i>Flavoparmelia soredians</i>		lichen	09/10/1968	30/07/1992	2
<i>Hypogymnia physodes</i>	Dark Crottle	lichen	14/12/1968	23/04/1972	3
<i>Hypotrachyna revoluta</i>		lichen	14/12/1968	23/04/1972	2
<i>Melanelia subaurifera</i>		lichen	14/12/1968	30/07/1992	2
<i>Melanelixia fuliginosa subsp. glabratula</i>		lichen	09/10/1968	23/04/1972	4
<i>Neofuscelia verruculifera</i>		lichen	30/07/1992	-	3
<i>Parmelia saxatilis</i>		lichen	23/04/1972	-	1
<i>Parmelia sulcata</i>	Netted Shield Lichen	lichen	09/10/1968	30/07/1992	5
<i>Parmotrema perlatum</i>		lichen	14/12/1968	-	4
<i>Parmotrema reticulatum</i>		lichen	14/12/1968	-	1
<i>Platismatia glauca</i>		lichen	14/12/1968	-	1
<i>Punctelia subrudecta</i>		lichen	09/10/1968	30/07/1992	8
<i>Usnea ceratina</i>		lichen	14/12/1968	-	1
<i>Usnea cornuta</i>		lichen	31/12/1987	-	1
<i>Usnea subfloridana</i>		lichen	14/12/1968	-	1
<i>Xanthoparmelia conspersa</i>		lichen	30/07/1992	-	1
<i>Xanthoparmelia mougeotii</i>		lichen	30/07/1992	-	2
<i>Anaptychia ciliaris</i>		lichen	14/12/1968	-	1
<i>Phaeophyscia orbicularis</i>		lichen	30/07/1992	-	2
<i>Physcia adscendens</i>		lichen	14/12/1968	30/07/1992	4
<i>Physcia aipolia</i>		lichen	14/12/1968	-	2
<i>Physcia caesia</i>		lichen	30/07/1992	-	1
<i>Physcia tribacia</i>		lichen	14/12/1968	-	2
<i>Physconia grisea</i>		lichen	14/12/1968	30/07/1992	4
<i>Physconia perisidiosa</i>		lichen	14/12/1968	-	1
<i>Rinodina gennarii</i>		lichen	30/07/1992	-	1
<i>Rinodina roboris</i>		lichen	14/12/1968	30/07/1992	4

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Tornabea scutellifera</i>		lichen	31/12/1901	-	1
<i>Protoblastenia rupestris</i>		lichen	30/07/1992	-	3
<i>Ramalina canariensis</i>		lichen	30/07/1992	-	1
<i>Ramalina farinacea</i>		lichen	09/10/1968	30/07/1992	6
<i>Ramalina fastigiata</i>		lichen	14/12/1968	30/07/1992	2
<i>Ramalina pollinaria</i>		lichen	14/12/1968	-	1
<i>Lepraria incana</i>		lichen	14/12/1968	30/07/1992	3
<i>Lepraria vouauxii</i>		lichen	30/07/1992	-	2
<i>Caloplaca citrina</i>		lichen	30/07/1992	-	2
<i>Caloplaca dalmatica</i>		lichen	30/07/1992	-	1
<i>Caloplaca flavescens</i>		lichen	30/07/1992	-	3
<i>Caloplaca holocarpa</i>		lichen	30/07/1992	-	1
<i>Caloplaca saxicola</i>		lichen	30/07/1992	-	3
<i>Caloplaca teicholyta</i>		lichen	30/07/1992	-	1
<i>Xanthoria calcicola</i>		lichen	30/07/1992	-	2
<i>Xanthoria candelaria</i>		lichen	30/07/1992	-	1
<i>Xanthoria parietina</i>		lichen	14/12/1968	30/07/1992	5
<i>Tephromela atra</i>	Black Shields	lichen	30/07/1992	-	3
<i>Bilimbia sabuletorum</i>		lichen	30/07/1992	-	1
<i>Lecania erysibe</i>		lichen	30/07/1992	-	2
<i>Psilolechia lucida</i>		lichen	30/07/1992	-	2
<i>Scoliciosporum umbrinum</i>		lichen	30/07/1992	-	1
<i>Porpidia tuberculosa</i>		lichen	30/07/1992	-	3
<i>Graphina anguina</i>		lichen	14/12/1968	31/12/1987	2
<i>Graphis scripta</i>	Script Lichen	lichen	14/12/1968	-	1
<i>Belonia nidarosiensis</i>		lichen	30/07/1992	-	1
<i>Pachyphiale carneola</i>		lichen	14/12/1968	31/12/1987	3
<i>Phlyctis argena</i>		lichen	14/12/1968	-	3
<i>Porina borneri</i>		lichen	31/12/1987	-	1
<i>Leptogium biatorinum</i>		lichen	25/01/2012	-	1
<i>Aspicilia calcarea</i>		lichen	30/07/1992	-	2
<i>Aspicilia contorta</i>		lichen	30/07/1992	-	4
<i>Ochrolechia parella</i>	Crabs Eye Lichen	lichen	30/07/1992	-	3
<i>Ochrolechia subviridis</i>		lichen	14/12/1968	-	2
<i>Pertusaria albescens var. corallina</i>		lichen	14/12/1968	30/07/1992	3
<i>Pertusaria amara</i>		lichen	14/12/1968	30/07/1992	2
<i>Pertusaria coccodes</i>		lichen	14/12/1968	-	1
<i>Pertusaria flavicans</i>		lichen	30/07/1992	-	2
<i>Pertusaria flavida</i>		lichen	30/07/1992	-	1
<i>Pertusaria hymenea</i>		lichen	14/12/1968	-	5
<i>Pertusaria pertusa</i>		lichen	14/12/1968	23/04/1972	2
<i>Pertusaria pustulata</i>		lichen	14/12/1968	31/12/1987	2
<i>Catillaria chalybeia</i>		lichen	30/07/1992	-	1
<i>Catillaria lenticularis</i>		lichen	30/07/1992	-	1

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Toninia aromatica</i>		lichen	30/07/1992	-	3
<i>Amandinea punctata</i>		lichen	09/10/1968	30/07/1992	4
<i>Buellia aethalea</i>		lichen	30/07/1992	-	1
<i>Buellia ocellata</i>		lichen	30/07/1992	-	2
<i>Calicium viride</i>		lichen	14/12/1968	-	1
<i>Diploicia canescens</i>		lichen	09/10/1968	30/07/1992	7
<i>Hypocenomyce scalaris</i>		lichen	30/07/1992	-	1
<i>Chaetosphaerella phaeostroma</i>		fungus	19/04/1993	-	1
<i>Cryptodiaporthe salicina</i>		fungus	25/01/2012	-	1
<i>Diatrype stigma</i>	Common Tarcrust	fungus	19/04/1993	-	1
<i>Daldinia concentrica</i>	King Alfred's Cakes	fungus	19/04/1993	-	1
<i>Hypoxylon fragiforme</i>	Beech Woodwart	fungus	19/04/1993	-	1
<i>Hypoxylon fuscum</i>	Hazel Woodwart	fungus	19/04/1993	-	1
<i>Hypoxylon multiforme</i>	Birch Woodwart	fungus	19/04/1993	-	1
<i>Hypoxylon rubiginosum</i>	Rusty Woodwart	fungus	19/04/1993	-	1
<i>Nemania serpens</i>		fungus	19/04/1993	-	1
<i>Xylaria hypoxylon</i>	Candlesnuff Fungus	fungus	19/04/1993	-	1
<i>Taeniolina scripta</i>		fungus	25/01/2012	-	1
<i>Calvatia gigantea</i>	Giant Puffball	fungus	29/01/2006	-	1
<i>Coprinellus micaceus</i>	Glistening Inkcap	fungus	19/04/1993	-	1
<i>Exidia recisa</i>		fungus	25/01/2012	-	1
<i>Boletus satanas</i>	Devil's Bolete	fungus	20/09/1997	-	1
<i>Geastrum triplex</i>	Collared Earthstar	fungus	26/11/2004	-	1
<i>Ramaria stricta</i>	Upright Coral	fungus	26/11/2004	-	1
<i>Phellinus ferreus</i>	Cinnamon Porecrust	fungus	19/04/1993	-	1
<i>Piptoporus betulinus</i>	Birch Polypore	fungus	19/04/1993	-	1
<i>Daedaleopsis confragosa</i>	Blushing Bracket	fungus	19/04/1993	-	1
<i>Trametes versicolor</i>	Turkeytail	fungus	19/04/1993	-	1
<i>Stereum hirsutum</i>	Hairy Curtain Crust	fungus	19/04/1993	-	1
<i>Stereum rugosum</i>	Bleeding Broadleaf Crust	fungus	19/04/1993	-	1
<i>Melampsora hypericorum</i>		fungus	31/08/2011	-	1
<i>Phragmidium violaceum</i>	Violet Bramble Rust	fungus	19/04/1993	-	1
<i>Puccinia primulae</i>		fungus	31/07/2011	-	1
<i>Pellia endiviifolia</i>	Endive Pellia	liverwort	31/12/1993	-	1
<i>Pellia epiphylla</i>	Overleaf Pellia	liverwort	30/06/1984	-	1
<i>Fossombronia husnotii</i>	Husnot's Frillwort	liverwort	24/02/1993	31/12/1993	3
<i>Fossombronia incurva</i>	Weedy Frillwort	liverwort	31/12/1985	31/12/1993	2
<i>Fossombronia pusilla</i>	Common Frillwort	liverwort	31/12/1993	-	1
<i>Metzgeria consanguinea</i>	Whiskered Veilwort	liverwort	30/06/1984	-	1
<i>Metzgeria furcata</i>	Forked Veilwort	liverwort	14/12/1968	30/06/1984	3
<i>Aneura pinguis</i>	Greasewort	liverwort	31/12/1993	-	1
<i>Riccardia multifida</i>	Delicate Germanderwort	liverwort	31/12/1993	-	1
<i>Frullania dilatata</i>	Dilated Scalewort	liverwort	14/12/1968	31/12/1993	6
<i>Frullania tamarisci</i>	Tamarisk Scalewort	liverwort	14/12/1968	31/12/1987	2

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<i>Microlejeunea ulicina</i>	Fairy Beads	liverwort	14/12/1968	30/06/1984	4
<i>Trichocolea tomentella</i>	Handsome Woollywort	liverwort	17/10/1989	-	1
<i>Lophocolea bidentata</i>	Bifid Crestwort	liverwort	31/12/1993	-	1
<i>Lophocolea bidentata</i> var. <i>bidentata</i>		liverwort	31/12/1993	-	1
<i>Lophocolea bidentata</i> var. <i>rivularis</i>		liverwort	31/12/1993	-	1
<i>Lophocolea bispinosa</i>	Great Crestwort	liverwort	25/01/2012	-	1
<i>Lophocolea heterophylla</i>	Variable-leaved Crestwort	liverwort	30/06/1984	-	1
<i>Chiloscyphus pallescens</i>	St Winifrid's Other Moss	liverwort	31/12/1993	-	1
<i>Chiloscyphus polyanthos</i> var. <i>polyanthos</i>		liverwort	30/06/1984	31/12/1993	2
<i>Cephalozia bicuspidata</i>	Two-horned Pincerwort	liverwort	14/12/1968	31/12/1993	5
<i>Lophozia excisa</i>	Capitate Notchwort	liverwort	24/02/1993	31/12/1993	2
<i>Lophozia ventricosa</i>	Tumid Notchwort	liverwort	31/12/1993	-	2
<i>Diplophyllum albicans</i>	White Earwort	liverwort	14/12/1968	31/12/1993	2
<i>Scapania compacta</i>	Thick-set Earwort	liverwort	25/01/2012	-	1
<i>Scapania irrigua</i>	Heath Earwort	liverwort	24/02/1993	25/01/2012	3
<i>Scapania nemorea</i>	Grove Earwort	liverwort	14/12/1968	31/12/1993	3
<i>Scapania undulata</i>	Water Earwort	liverwort	30/06/1984	-	1
<i>Calypogeia arguta</i>	Notched Pouchwort	liverwort	30/06/1984	-	1
<i>Calypogeia fissa</i>	Common Pouchwort	liverwort	30/06/1984	-	1
<i>Jungermannia gracillima</i>	Crenulated Flapwort	liverwort	31/12/1993	-	1
<i>Marsupella emarginata</i> var. <i>emarginata</i>		liverwort	31/12/1985	25/01/2012	3
<i>Sphagnum angustifolium</i>	Fine Bog-moss	moss	31/12/1993	-	1
<i>Sphagnum denticulatum</i>	Cow-horn Bog-moss	moss	30/06/1984	31/12/1993	2
<i>Sphagnum fallax</i>	Flat-topped Bog-moss	moss	31/12/1993	-	1
<i>Sphagnum flexuosum</i>	Flexuous Bog-moss	moss	31/12/1993	-	1
<i>Sphagnum inundatum</i>	Lesser Cow-horn Bog-moss	moss	31/12/1993	-	1
<i>Atrichum angustatum</i>	Lesser Smoothcap	moss	31/12/1960	31/12/2010	8
<i>Atrichum crispum</i>	Fountain Smoothcap	moss	24/02/1993	-	1
<i>Atrichum undulatum</i>	Common Smoothcap	moss	14/12/1968	31/12/1993	4
<i>Pogonatum aloides</i>	Aloe Haircap	moss	31/12/1993	-	1
<i>Pogonatum nanum</i>	Dwarf Haircap	moss	31/12/1993	-	1
<i>Pogonatum urnigerum</i>	Urn Haircap	moss	24/02/1993	31/12/1993	2
<i>Polytrichum commune</i> var. <i>perigoniale</i>		moss	20/07/2011	-	1
<i>Polytrichum formosum</i>	Bank Haircap	moss	14/12/1968	31/12/1993	4
<i>Polytrichum juniperinum</i>	Juniper Haircap	moss	24/02/1993	31/12/1993	2
<i>Polytrichum piliferum</i>	Bristly Haircap	moss	24/02/1993	31/12/1993	2
<i>Tetraphis pellucida</i>	Pellucid Four-tooth Moss	moss	30/06/1984	31/12/1993	2
<i>Funaria hygrometrica</i>	Common Cord-moss	moss	31/12/1993	-	1
<i>Grimmia pulvinata</i>	Grey-cushioned Grimmia	moss	30/07/1992	-	1
<i>Archidium alternifolium</i>	Clay Earth-moss	moss	31/12/1993	-	1
<i>Fissidens bryoides</i>	Lesser Pocket-moss	moss	31/12/1993	-	1
<i>Fissidens exilis</i>	Slender Pocket-moss	moss	25/01/2012	-	1
<i>Fissidens gracilifolius</i>	Narrow-leaved Pocket-moss	moss	31/12/1993	-	1
<i>Fissidens pusillus</i>	Petty Pocket-moss	moss	31/12/1993	-	1

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<i>Fissidens taxifolius</i>	Common Pocket-moss	moss	30/06/1984	31/12/1993	2
<i>Pleuridium acuminatum</i>	Taper-leaved Earth-moss	moss	31/12/1993	-	1
<i>Pseudephemerum nitidum</i>	Delicate Earth-moss	moss	31/12/1993	-	1
<i>Ditrichum pusillum</i>	Brown Ditrichum	moss	24/02/1993	31/12/1993	2
<i>Ceratodon purpureus</i>	Redshank	moss	31/12/1993	-	1
<i>Dicranoweisia cirrata</i>	Common Pincushion	moss	14/12/1968	31/12/1993	3
<i>Dicranella heteromalla</i>	Silky Forklet-moss	moss	14/12/1968	31/12/1993	3
<i>Dicranum majus</i>	Greater Fork-moss	moss	31/12/2009	-	1
<i>Dicranum scoparium</i>	Broom Fork-moss	moss	14/12/1968	31/12/1993	2
<i>Dicranum tauricum</i>	Fragile Fork-moss	moss	31/12/2009	-	1
<i>Campylopus flexuosus</i>	Rusty Swan-neck Moss	moss	24/02/1993	-	1
<i>Campylopus introflexus</i>	Heath Star Moss	moss	24/02/1993	31/12/1993	2
<i>Campylopus pyriformis</i>	Dwarf Swan-neck Moss	moss	24/02/1993	-	1
<i>Leucobryum glaucum</i>	Large White-moss	moss	14/12/1968	-	1
<i>Weissia brachycarpa</i> var. <i>obliqua</i>		moss	31/12/1993	-	1
<i>Weissia longifolia</i> var. <i>angustifolia</i>		moss	31/12/1993	-	1
<i>Weissia rutilans</i>	Pointed-leaved Stubble-moss	moss	24/02/1993	31/12/1993	2
<i>Trichostomum brachydontium</i>	Variable Crisp-moss	moss	31/12/1993	-	1
<i>Gyroweisia tenuis</i>	Slender Stubble-moss	moss	31/12/1979	-	1
<i>Ephemerum serratum</i>	Serrated Earth-moss	moss	31/12/1993	-	1
<i>Ephemerum serratum</i> var. <i>minutissimum</i>		moss	31/12/1993	-	1
<i>Ephemerum serratum</i> var. <i>serratum</i>		moss	31/12/1993	-	1
<i>Pseudocrossidium hornsuschianum</i>	Hornsusch's Beard-moss	moss	31/12/1993	-	1
<i>Bryoerythrophyllum recurvirostrum</i>	Red Beard-moss	moss	31/12/1993	-	1
<i>Barbula convoluta</i>	Lesser Bird's-claw Beard-moss	moss	31/12/1993	-	3
<i>Barbula unguiculata</i>	Bird's-claw Beard-moss	moss	31/12/1993	-	1
<i>Didymodon fallax</i>	Fallacious Beard-moss	moss	31/12/1993	-	1
<i>Didymodon insulanus</i>	Cylindric Beard-moss	moss	31/12/1993	-	1
<i>Didymodon luridus</i>	Dusky Beard-moss	moss	31/12/1979	-	1
<i>Didymodon sinuosus</i>	Wavy Beard-moss	moss	30/07/1992	-	1
<i>Aloina aloides</i>	Common Aloe-moss	moss	31/12/1993	-	1
<i>Aloina ambigua</i>	Tall Aloe-moss	moss	31/12/1993	-	1
<i>Tortula muralis</i>	Wall Screw-moss	moss	30/07/1992	31/12/1993	2
<i>Tortula muralis</i> var. <i>aestiva</i>		moss	31/12/1993	-	1
<i>Tortula muralis</i> var. <i>muralis</i>		moss	31/12/1993	-	1
<i>Tortula protobryoides</i>	Tall Pottia	moss	31/12/1997	-	1
<i>Microbryum davallianum</i>	Smallest Pottia	moss	31/12/1993	-	2
<i>Microbryum starckeanum</i>	Starke's Pottia	moss	31/12/1993	-	1
<i>Syntrichia intermedia</i>	Intermediate Screw-moss	moss	30/07/1992	-	1
<i>Syntrichia ruraliformis</i>	Sand-hill Screw-moss	moss	31/12/1993	-	1
<i>Syntrichia ruralis</i>	Great Hairy Screw-moss	moss	31/12/1993	-	1
<i>Zygodon rupestris</i>	Park Yoke-moss	moss	31/12/2010	-	1
<i>Zygodon viridissimus</i>	Green Yoke-moss	moss	14/12/1968	31/12/1993	2
<i>Zygodon viridissimus</i> var. <i>stirtonii</i>		moss	31/12/1993	-	1

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<i>Zygodon viridissimus</i> var. <i>viridissimus</i>		moss	31/12/1993	-	1
<i>Orthotrichum affine</i>	Wood Bristle-moss	moss	31/12/1993	-	1
<i>Orthotrichum anomalum</i>	Anomalous Bristle-moss	moss	30/07/1992	-	1
<i>Orthotrichum lyellii</i>	Lyell's Bristle-moss	moss	14/12/1968	30/06/1984	3
<i>Orthotrichum pulchellum</i>	Elegant Bristle-moss	moss	25/01/2012	-	1
<i>Ulota crispa</i>		moss	30/06/1984	31/12/1993	2
<i>Ulota bruchii</i>	Bruch's Pincushion	moss	14/12/1968	31/12/1993	2
<i>Ulota phyllantha</i>	Frizzled Pincushion	moss	31/12/2010	-	1
<i>Philonotis arnellii</i>	Arnell's Apple-moss	moss	31/12/1993	-	1
<i>Bryum bicolor</i>		moss	31/12/1993	-	1
<i>Bryum argenteum</i>	Silver-moss	moss	31/12/1993	-	1
<i>Bryum capillare</i>	Capillary Thread-moss	moss	30/06/1984	31/12/1993	2
<i>Bryum pseudotriquetrum</i> var. <i>bimum</i>		moss	31/12/1993	-	1
<i>Bryum pseudotriquetrum</i> var. <i>pseudotriquetru</i>		moss	31/12/1993	-	1
<i>Pohlia annotina</i>	Pale-fruited Thread-moss	moss	31/12/1993	-	1
<i>Pohlia melanodon</i>	Pink-fruited Thread-moss	moss	31/12/1993	-	1
<i>Pohlia nutans</i>	Nodding Thread-moss	moss	31/12/1993	-	1
<i>Mnium hornum</i>	Swan's-neck Thyme-moss	moss	14/12/1968	31/12/1993	3
<i>Rhizomnium punctatum</i>	Dotted Thyme-moss	moss	30/06/1984	31/12/1993	2
<i>Plagiomnium undulatum</i>	Hart's-tongue Thyme-moss	moss	14/12/1968	30/06/1984	2
<i>Aulacomnium palustre</i>	Bog Groove-moss	moss	31/12/1990	31/12/2010	2
<i>Orthodontium lineare</i>	Cape Thread-moss	moss	30/06/1984	-	1
<i>Climacium dendroides</i>	Tree-moss	moss	14/12/1968	-	1
<i>Palustriella commutata</i> var. <i>commutata</i>		moss	31/12/1993	-	1
<i>Palustriella commutata</i> var. <i>falcata</i>		moss	31/12/1993	-	1
<i>Cratoneuron filicinum</i>	Fern-leaved Hook-moss	moss	31/12/1993	-	1
<i>Campylium stellatum</i>	Yellow Starry Feather-moss	moss	31/12/1993	-	1
<i>Campylium stellatum</i> var. <i>protensum</i>		moss	31/12/1993	-	1
<i>Leptodictyum riparium</i>	Kneiff's Feather-moss	moss	30/06/1984	-	1
<i>Thuidium tamariscinum</i>	Common Tamarisk-moss	moss	14/12/1968	31/12/1993	3
<i>Eurhynchium crassinervium</i>	Beech Feather-moss	moss	31/12/1979	-	1
<i>Eurhynchium praelongum</i>	Common Feather-moss	moss	30/06/1984	31/12/1993	2
<i>Eurhynchium schleicheri</i>	Twist-tip Feather-moss	moss	06/03/1990	31/12/2010	2
<i>Eurhynchium striatum</i>	Common Striated Feather-moss	moss	30/06/1984	31/12/1993	2
<i>Rhynchostegium confertum</i>	Clustered Feather-moss	moss	31/12/1993	-	1
<i>Cirriphyllum piliferum</i>	Hair-pointed Feather-moss	moss	31/12/1979	-	1
<i>Sciuro-hypnum populeum</i>	Matted Feather-moss	moss	02/03/1985	31/12/1993	2
<i>Brachythecium albicans</i>	Whitish Feather-moss	moss	31/12/1993	-	1
<i>Brachythecium mildeanum</i>	Sand Feather-moss	moss	31/12/1993	-	1
<i>Brachythecium rutabulum</i>	Rough-stalked Feather-moss	moss	30/06/1984	31/12/1993	2
<i>Brachythecium salebrosum</i>	Smooth-stalk Feather-moss	moss	20/07/2011	-	1
<i>Scleropodium purum</i>	Neat Feather-moss	moss	31/12/1993	-	1
<i>Scleropodium tourettii</i>	Glass-wort Feather-moss	moss	16/02/1993	31/12/1993	2
<i>Homalothecium lutescens</i>	Yellow Feather-moss	moss	31/12/1993	-	1

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<i>Homalothecium sericeum</i>	Silky Wall Feather-moss	moss	14/12/1968	30/07/1992	3
<i>Calliergonella cuspidata</i>	Pointed Spear-moss	moss	31/12/1993	-	1
<i>Taxiphyllum wissgrillii</i>	Depressed Feather-moss	moss	31/12/2010	-	1
<i>Hypnum cupressiforme</i>		moss	14/12/1968	31/12/1993	4
<i>Hypnum andoi</i>	Mamillate Plait-moss	moss	14/12/1968	30/06/1984	2
<i>Hypnum cupressiforme</i> var. <i>cupressiforme</i>		moss	30/06/1984	31/12/1993	2
<i>Hypnum cupressiforme</i> var. <i>resupinatum</i>	Supine Plait-moss	moss	14/12/1968	31/12/1993	2
<i>Hypnum jutlandicum</i>	Heath Plait-moss	moss	14/12/1968	30/06/1984	2
<i>Hypnum lacunosum</i> var. <i>lacunosum</i>	Great Plait-moss	moss	31/12/1993	-	1
<i>Hypnum lindbergii</i>	Lindberg's Plait-moss	moss	29/12/1986	31/12/1993	3
<i>Ctenidium molluscum</i>	Chalk Comb-moss	moss	31/12/2010	-	2
<i>Heterocladium heteropterum</i>	Wry-leaved Tamarisk-moss	moss	31/12/1993	-	1
<i>Heterocladium heteropterum</i> var. <i>flaccidum</i>		moss	31/12/1993	-	1
<i>Pleurozium schreberi</i>	Red-stemmed Feather-moss	moss	14/12/1968	-	1
<i>Rhytidiadelphus loreus</i>	Little Shaggy-moss	moss	31/12/2010	-	1
<i>Rhytidiadelphus squarrosus</i>	Springy Turf-moss	moss	14/12/1968	31/12/1993	2
<i>Hylocomium splendens</i>	Glittering Wood-moss	moss	14/12/1968	-	1
<i>Plagiothecium latebricola</i>	Alder Silk-moss	moss	31/12/2010	-	1
<i>Plagiothecium nemorale</i>	Woodsy Silk-moss	moss	30/06/1984	31/12/1993	2
<i>Plagiothecium undulatum</i>	Waved Silk-moss	moss	14/12/1968	-	1
<i>Pseudotaxiphyllum elegans</i>	Elegant Silk-moss	moss	30/06/1984	31/12/1993	2
<i>Herzogiella seligeri</i>	Silesian Feather-moss	moss	31/12/2010	-	1
<i>Neckera complanata</i>	Flat Neckera	moss	14/12/1968	-	1
<i>Neckera pumila</i>	Dwarf Neckera	moss	14/12/1968	31/12/1987	4
<i>Thamnobryum alopecurum</i>	Fox-tail Feather-moss	moss	30/06/1984	-	1
<i>Isothecium alopecuroides</i>	Larger Mouse-tail Moss	moss	30/06/1984	-	1
<i>Isothecium myosuroides</i>	Slender Mouse-tail Moss	moss	14/12/1968	31/12/1993	6
<i>Osmunda regalis</i>	Royal Fern	fern	11/11/2009	-	2
<i>Pteridium aquilinum</i>	Bracken	fern	30/06/1984	29/08/2008	23
<i>Phyllitis scolopendrium</i>	Hart's-tongue	fern	30/06/1984	16/11/2011	19
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	fern	31/12/2000	31/12/2009	3
<i>Asplenium ruta-muraria</i>	Wall-rue	fern	31/12/2005	31/12/2008	2
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	fern	31/12/1996	31/12/2005	2
<i>Ceterach officinarum</i>	Rustyback	fern	31/05/2001	16/01/2011	4
<i>Athyrium filix-femina</i>	Lady-fern	fern	01/06/1988	21/08/2008	5
<i>Blechnum spicant</i>	Hard-fern	fern	01/06/1988	29/04/2005	3
<i>Polystichum aculeatum</i>	Hard Shield-fern	fern	18/07/2008	29/08/2008	12
<i>Polystichum setiferum</i>	Soft Shield-fern	fern	30/06/1984	06/05/2006	7
<i>Dryopteris filix-mas</i> agg.	Male Fern	fern	30/06/1984	01/06/1988	2
<i>Dryopteris affinis</i>	Scaly Male-fern	fern	31/08/2004	13/06/2006	3
<i>Dryopteris carthusiana</i>	Narrow Buckler-fern	fern	01/06/1988	27/08/2008	5
<i>Dryopteris dilatata</i>	Broad Buckler-fern	fern	30/06/1984	09/08/2011	18
<i>Dryopteris filix-mas</i>	Male-fern	fern	31/07/2004	30/12/2011	21
<i>Polypodium vulgare</i>	Polypody	fern	31/12/2005	-	1

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Algae</i>	Seaweed	alga	08/09/2012	-	1
<i>Equisetum</i>	Horsetail	horsetail	18/07/2008	-	1
<i>Equisetum arvense</i>	Field Horsetail	horsetail	31/07/2004	19/09/2011	5
<i>Equisetum fluviatile</i>	Water Horsetail	horsetail	31/12/2005	25/05/2009	2
<i>Equisetum palustre</i>	Marsh Horsetail	horsetail	01/06/1988	-	1
<i>Equisetum telmateia</i>	Great Horsetail	horsetail	03/05/2011	-	1
<i>Tsuga heterophylla</i>	Western Hemlock-spruce	conifer	13/06/2006	-	1
<i>Larix</i>	Larch	conifer	30/06/1984	31/12/1992	2
<i>Larix decidua</i>	European Larch	conifer	31/07/1997	-	1
<i>Larix decidua x kaempferi</i> = <i>L. x marschlinsii</i>	Hybrid Larch	conifer	24/03/2009	-	1
<i>Pinus sylvestris</i>	Scots Pine	conifer	27/04/1992	24/03/2009	7
<i>Taxus baccata</i>	Yew	conifer	30/06/1984	24/03/2009	20
<i>Cupressus</i>		conifer	05/02/2010	-	1
<i>Cupressus macrocarpa x Xanthocyparis nootk</i>	Leyland Cypress	conifer	16/04/2010	-	1
<i>Nuphar lutea</i>	Yellow Water-lily	flowering plant	06/05/2005	04/06/2005	2
<i>Laurus nobilis</i>	Bay	flowering plant	28/02/2005	07/07/2007	3
<i>Arum italicum</i>	Italian Lords-and-Ladies	flowering plant	31/12/1987	-	1
<i>Arum italicum subsp. italicum</i>	Arum	flowering plant	22/04/2006	-	1
<i>Arum italicum subsp. neglectum</i>	Arum	flowering plant	16/01/2011	-	1
<i>Arum maculatum</i>	Lords-and-Ladies	flowering plant	30/06/1984	16/04/2010	23
<i>Spirodela polyrhiza</i>	Greater Duckweed	flowering plant	06/05/2005	01/07/2011	3
<i>Lemna</i>		flowering plant	09/11/2000	-	1
<i>Lemna minor</i>	Common Duckweed	flowering plant	31/12/1992	08/09/2012	10
<i>Lemna minuta</i>	Least Duckweed	flowering plant	06/05/2006	18/09/2010	2
<i>Lemna trisulca</i>	Ivy-leaved Duckweed	flowering plant	06/05/2005	08/09/2012	3
<i>Alisma plantago-aquatica</i>	Water-plantain	flowering plant	06/05/2005	08/09/2012	5
<i>Stratiotes aloides</i>	Water-soldier	flowering plant	31/12/1992	08/09/2012	6
<i>Potamogeton</i>	Pondweed	flowering plant	08/09/2012	-	1
<i>Potamogeton natans</i>	Broad-leaved Pondweed	flowering plant	06/05/2005	04/06/2005	2
<i>Dioscorea communis</i>	Black Bryony	flowering plant	30/06/1984	28/08/2008	13
<i>Colchicum autumnale</i>	Meadow Saffron	flowering plant	31/12/1989	31/12/1992	2
<i>Tulipa gesneriana</i>	Garden Tulip	flowering plant	15/04/2001	04/04/2009	2
<i>Cephalanthera damasonium</i>	White Helleborine	flowering plant	13/06/2006	-	1
<i>Epipactis purpurata</i>	Violet Helleborine	flowering plant	04/10/2005	31/08/2012	2
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	flowering plant	31/12/1992	-	1
<i>Listera ovata</i>	Common Twayblade	flowering plant	31/08/1983	20/05/2007	7
<i>Platanthera bifolia</i>	Lesser Butterfly-orchid	flowering plant	31/12/1994	-	1
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	flowering plant	13/06/2006	-	1
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid	flowering plant	31/12/1982	20/05/2007	13
<i>Dactylorhiza praetermissa</i>	Southern Marsh-orchid	flowering plant	31/12/1982	02/07/2006	3
<i>Orchis mascula</i>	Early-purple Orchid	flowering plant	30/06/1984	03/05/2011	9
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	flowering plant	31/12/1982	31/12/2009	3
<i>Ophrys apifera</i>	Bee Orchid	flowering plant	31/12/1982	28/06/2005	5
<i>Sisyrinchium striatum</i>	Pale Yellow-eyed-grass	flowering plant	14/06/2008	-	1

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<i>Iris</i>		flowering plant	08/09/2012	-	1
<i>Iris foetidissima</i>	Stinking Iris	flowering plant	31/12/1992	14/04/2009	13
<i>Iris orientalis</i>	Turkish Iris	flowering plant	31/12/2005	-	1
<i>Iris pseudacorus</i>	Yellow Iris	flowering plant	31/07/2004	08/09/2012	13
<i>Crocus tommasinianus</i>	Early Crocus	flowering plant	19/02/2006	-	1
<i>Crococsmia pottsii x aurea = C. x crocosmiiflor</i>	Montbretia	flowering plant	31/12/1992	10/08/2011	7
<i>Hemerocallis fulva</i>	Orange Day-lily	flowering plant	24/05/2011	-	1
<i>Phormium tenax</i>	New Zealand Flax	flowering plant	30/12/2006	01/01/2008	2
<i>Allium nigrum</i>	Broad-leaved Leek	flowering plant	31/12/1995	31/12/2005	4
<i>Allium roseum</i>	Rosy Garlic	flowering plant	31/12/1995	31/12/2005	4
<i>Allium triquetrum</i>	Three-cornered Garlic	flowering plant	31/12/2005	-	1
<i>Allium vineale</i>	Wild Onion	flowering plant	31/12/2007	18/09/2010	2
<i>Tristagma uniflorum</i>	Spring Starflower	flowering plant	22/04/2006	-	1
<i>Leucojum aestivum</i>	Summer Snowflake	flowering plant	04/04/2009	14/04/2009	2
<i>Leucojum aestivum subsp. pulchellum</i>	Summer Snowflake	flowering plant	24/03/2009	14/04/2009	2
<i>Galanthus nivalis</i>	Snowdrop	flowering plant	29/04/2005	06/05/2006	3
<i>Narcissus</i>	daffodils	flowering plant	23/04/2005	16/04/2010	8
<i>Narcissus poeticus x pseudonarcissus = N. x i</i>	Nonesuch Daffodil	flowering plant	14/04/2009	-	1
<i>Narcissus pseudonarcissus subsp. pseudonar</i>	Daffodil	flowering plant	31/12/1992	13/03/2009	3
<i>Narcissus tazetta</i>	Bunch-flowered Daffodil	flowering plant	26/04/2011	-	1
<i>Polygonatum multiflorum x odoratum = P. x hy</i>	Garden Solomon's-seal	flowering plant	31/07/2004	-	1
<i>Hyacinthoides hispanica</i>	Spanish Bluebell	flowering plant	14/05/2003	-	2
<i>Hyacinthoides non-scripta</i>	Bluebell	flowering plant	30/06/1984	29/08/2008	27
<i>Hyacinthoides non-scripta x hispanica = H. x</i>	Hybrid bluebell	flowering plant	31/12/2005	27/04/2011	6
<i>Muscari armeniacum</i>	Garden Grape-hyacinth	flowering plant	02/04/2008	-	1
<i>Ruscus aculeatus</i>	Butcher's-broom	flowering plant	31/08/1983	18/09/2010	33
<i>Sparganium erectum</i>	Branched Bur-reed	flowering plant	31/12/1992	08/09/2012	6
<i>Typha</i>		flowering plant	08/09/2012	-	1
<i>Typha angustifolia</i>	Lesser Bulrush	flowering plant	06/05/2005	-	1
<i>Typha latifolia</i>	Bulrush	flowering plant	31/12/2005	18/09/2010	3
<i>Typha latifolia x angustifolia = T. x glauca</i>	Hybrid Reedmace	flowering plant	31/12/2005	-	1
<i>Juncus bufonius agg.</i>	Toad Rush agg.	flowering plant	30/06/1984	06/05/2006	6
<i>Juncus acutiflorus</i>	Sharp-flowered Rush	flowering plant	31/08/2004	27/07/2011	4
<i>Juncus articulatus</i>	Jointed Rush	flowering plant	01/06/1988	31/12/2006	4
<i>Juncus bufonius</i>	Toad Rush	flowering plant	31/12/1992	-	1
<i>Juncus bulbosus</i>	Bulbous Rush	flowering plant	31/07/2004	31/12/2008	3
<i>Juncus conglomeratus</i>	Compact Rush	flowering plant	30/06/1984	04/10/2005	5
<i>Juncus effusus</i>	Soft-rush	flowering plant	30/06/1984	08/09/2012	14
<i>Juncus effusus var. subglomeratus</i>	Soft Rush	flowering plant	16/11/2011	-	1
<i>Juncus effusus x conglomeratus = J. x kern-re</i>	Rush	flowering plant	09/08/2011	-	1
<i>Juncus inflexus</i>	Hard Rush	flowering plant	31/12/1992	06/05/2006	5
<i>Juncus tenuis</i>	Slender Rush	flowering plant	31/12/1992	04/10/2005	3
<i>Luzula campestris</i>	Field Wood-rush	flowering plant	31/12/1992	18/08/2010	5
<i>Luzula forsteri</i>	Southern Wood-rush	flowering plant	01/06/1988	23/04/2005	4

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<i>Luzula multiflora</i>	Heath Wood-rush	flowering plant	30/06/1984	31/08/2004	5
<i>Luzula pilosa</i>	Hairy Wood-rush	flowering plant	01/06/1988	24/03/2009	8
<i>Luzula sylvatica</i>	Great Wood-rush	flowering plant	31/07/1997	23/04/2005	2
<i>Schoenoplectus tabernaemontani</i>	Grey Club-rush	flowering plant	01/07/2011	-	1
<i>Isolepis setacea</i>	Bristle Club-rush	flowering plant	31/12/1992	31/08/2004	2
<i>Cyperus eragrostis</i>	Pale Galingale	flowering plant	20/10/2009	-	1
<i>Carex</i>	Sedge	flowering plant	22/04/2005	06/05/2005	2
<i>Carex acutiformis</i>	Lesser Pond-sedge	flowering plant	06/05/2005	08/09/2012	4
<i>Carex binervis</i>	Green-ribbed Sedge	flowering plant	30/06/1984	31/07/2004	3
<i>Carex disticha</i>	Brown Sedge	flowering plant	25/05/2009	-	1
<i>Carex divulsa</i>	Grey Sedge	flowering plant	31/12/1992	-	1
<i>Carex divulsa subsp. divulsa</i>	Grey Sedge	flowering plant	31/07/2004	06/05/2006	4
<i>Carex flacca</i>	Glaucous Sedge	flowering plant	31/12/1992	31/07/2004	2
<i>Carex hirta</i>	Hairy Sedge	flowering plant	31/12/1992	27/07/2011	11
<i>Carex otrubae</i>	False Fox-sedge	flowering plant	01/06/1988	03/06/2005	5
<i>Carex ovalis</i>	Oval Sedge	flowering plant	31/12/1992	06/05/2006	2
<i>Carex pallescens</i>	Pale Sedge	flowering plant	31/07/2004	-	1
<i>Carex pendula</i>	Pendulous Sedge	flowering plant	30/06/1984	08/09/2012	25
<i>Carex pilulifera</i>	Pill Sedge	flowering plant	31/07/2004	26/04/2011	3
<i>Carex remota</i>	Remote Sedge	flowering plant	30/06/1984	22/09/2011	21
<i>Carex riparia</i>	Greater Pond-sedge	flowering plant	06/05/2006	-	1
<i>Carex spicata</i>	Spiked Sedge	flowering plant	31/12/2008	-	1
<i>Carex sylvatica</i>	Wood-sedge	flowering plant	30/06/1984	29/08/2008	27
<i>Carex viridula subsp. oedocarpa</i>	Common Yellow-sedge	flowering plant	31/12/1992	31/07/2004	2
<i>Sasa</i>	Bamboo	flowering plant	31/12/1992	-	1
<i>Milium effusum</i>	Wood Millet	flowering plant	30/06/1984	24/03/2009	17
<i>Lolium multiflorum</i>	Italian Rye-grass	flowering plant	10/07/2007	31/12/2007	2
<i>Lolium perenne</i>	Perennial Rye-grass	flowering plant	31/12/1992	16/04/2010	8
<i>Festuca rubra agg.</i>	Red Fescue	flowering plant	31/07/2004	31/12/2005	3
<i>Festuca arundinacea</i>	Tall Fescue	flowering plant	31/08/2004	31/12/2005	2
<i>Festuca gigantea</i>	Giant Fescue	flowering plant	30/06/1984	06/05/2006	8
<i>Festuca rubra</i>	Red Fescue	flowering plant	11/11/2009	-	2
<i>Vulpia bromoides</i>	Squirreltail Fescue	flowering plant	31/08/2004	19/09/2011	3
<i>Vulpia myuros</i>	Rat's-tail Fescue	flowering plant	31/12/2008	-	1
<i>Cynosurus cristatus</i>	Crested Dog's-tail	flowering plant	30/06/1984	31/12/2005	4
<i>Briza maxima</i>	Greater Quaking-grass	flowering plant	31/12/2007	-	1
<i>Poa annua</i>	Annual Meadow-grass	flowering plant	30/06/1984	16/04/2010	12
<i>Poa nemoralis</i>	Wood Meadow-grass	flowering plant	01/06/1988	31/12/2005	4
<i>Poa pratensis</i>	Smooth Meadow-grass	flowering plant	31/12/2005	27/04/2011	3
<i>Poa trivialis</i>	Rough Meadow-grass	flowering plant	30/06/1984	06/05/2006	11
<i>Dactylis glomerata</i>	Cock's-foot	flowering plant	30/06/1984	16/04/2010	13
<i>Catapodium rigidum</i>	Fern-grass	flowering plant	31/12/2007	07/06/2009	3
<i>Arrhenatherum elatius</i>	False Oat-grass	flowering plant	30/06/1984	30/04/2007	8
<i>Avena fatua</i>	Wild-oat	flowering plant	31/12/2008	09/08/2011	2

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<i>Avena sativa</i>	Oat	flowering plant	31/12/2007	19/09/2011	2
<i>Trisetum flavescens</i>	Yellow Oat-grass	flowering plant	31/07/2004	31/12/2007	2
<i>Deschampsia cespitosa</i>	Tufted Hair-Grass	flowering plant	30/06/1984	09/08/2011	13
<i>Deschampsia flexuosa</i>	Wavy Hair-grass	flowering plant	30/06/1984	31/07/2004	5
<i>Holcus lanatus</i>	Yorkshire-fog	flowering plant	01/06/1988	16/04/2010	14
<i>Holcus mollis</i>	Creeping Soft-grass	flowering plant	01/06/1988	13/06/2006	3
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	flowering plant	30/06/1984	13/06/2006	7
<i>Phalaris arundinacea</i>	Reed Canary-grass	flowering plant	06/05/2005	18/09/2010	4
<i>Phalaris arundinacea var. picta</i>		flowering plant	18/08/2010	-	1
<i>Phalaris canariensis</i>	Canary-grass	flowering plant	06/06/2011	-	2
<i>Agrostis</i>	Bent Grass	flowering plant	31/07/1997	-	1
<i>Agrostis capillaris</i>	Common Bent	flowering plant	01/06/1988	18/09/2010	9
<i>Agrostis gigantea</i>	Black Bent	flowering plant	31/12/1992	18/09/2010	4
<i>Agrostis stolonifera</i>	Creeping Bent	flowering plant	30/06/1984	08/09/2012	12
<i>Polypogon monspeliensis</i>	Annual Beard-grass	flowering plant	18/08/2010	14/06/2011	2
<i>Polypogon viridis</i>	Water Bent	flowering plant	23/08/2009	10/07/2011	3
<i>Alopecurus geniculatus</i>	Marsh Foxtail	flowering plant	31/07/2004	25/05/2009	2
<i>Alopecurus myosuroides</i>	Black-grass	flowering plant	31/12/2007	-	1
<i>Alopecurus pratensis</i>	Meadow Foxtail	flowering plant	22/04/2005	06/05/2006	3
<i>Phleum pratense</i>	Timothy	flowering plant	31/12/1992	14/05/2003	3
<i>Phleum bertolonii</i>	Smaller Cat's-tail	flowering plant	31/12/2006	18/09/2010	4
<i>Phleum pratense</i>	Timothy	flowering plant	31/08/2004	18/09/2010	4
<i>Glyceria fluitans</i>	Floating Sweet-grass	flowering plant	30/06/1984	09/08/2011	7
<i>Glyceria fluitans x notata = G. x pedicellata</i>	Hybrid Sweet-grass	flowering plant	25/05/2009	-	1
<i>Glyceria maxima</i>	Reed Sweet-grass	flowering plant	01/06/1988	06/05/2006	4
<i>Glyceria notata</i>	Plicate Sweet-grass	flowering plant	01/06/1988	-	1
<i>Melica uniflora</i>	Wood Melick	flowering plant	30/06/1984	31/12/2008	15
<i>Bromus hordeaceus</i>	Lesser Soft-Brome	flowering plant	06/05/2005	06/05/2006	2
<i>Bromus hordeaceus subsp. hordeaceus</i>	Common Soft-brome	flowering plant	04/06/2005	13/06/2006	3
<i>Bromus sterilis</i>	Barren Brome	flowering plant	30/06/1984	06/05/2006	8
<i>Bromopsis ramosa</i>	Hairy-brome	flowering plant	01/06/1988	09/08/2011	6
<i>Ceratochloa carinata</i>	California Brome	flowering plant	31/12/1998	-	1
<i>Brachypodium sylvaticum</i>	False-brome	flowering plant	30/06/1984	29/07/2008	12
<i>Elytrigia repens</i>	Common Couch	flowering plant	31/12/1992	18/09/2010	7
<i>Hordeum murinum</i>	Wall Barley	flowering plant	14/05/2003	31/07/2011	5
<i>Hordeum secalinum</i>	Meadow Barley	flowering plant	31/12/2005	31/12/2009	3
<i>Triticum aestivum</i>	Bread Wheat	flowering plant	31/12/2007	18/09/2010	3
<i>Danthonia decumbens</i>	Heath-grass	flowering plant	31/07/2004	-	1
<i>Molinia caerulea</i>	Purple Moor-grass	flowering plant	31/12/1992	09/08/2011	4
<i>Phragmites australis</i>	Common Reed	flowering plant	06/05/2006	08/09/2012	2
<i>Panicum capillare</i>	Witch-grass	flowering plant	04/10/2006	20/10/2009	2
<i>Panicum miliaceum</i>	Common Millet	flowering plant	07/09/2011	-	1
<i>Echinochloa crus-galli</i>	Cockspur	flowering plant	14/07/2006	31/12/2009	3
<i>Setaria pumila</i>	Yellow Bristle-grass	flowering plant	31/07/2000	31/12/2000	2

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<i>Setaria verticillata</i>	Rough Bristle-grass	flowering plant	30/06/1999	31/12/2005	2
<i>Digitaria sanguinalis</i>	Hairy Finger-grass	flowering plant	27/08/2006	-	1
<i>Papaver rhoeas</i>	Common Poppy	flowering plant	04/10/2005	18/08/2010	3
<i>Papaver somniferum</i>	Opium Poppy	flowering plant	31/08/2004	18/08/2010	2
<i>Chelidonium majus</i>	Greater Celandine	flowering plant	10/11/2007	18/09/2010	5
<i>Eschscholzia californica</i>	Californian Poppy	flowering plant	17/06/2007	18/08/2010	2
<i>Pseudofumaria alba</i>	Pale Corydalis	flowering plant	15/04/2001	22/04/2006	2
<i>Pseudofumaria lutea</i>	Yellow Corydalis	flowering plant	31/12/2005	31/12/2007	2
<i>Fumaria officinalis</i>	Common Fumitory	flowering plant	31/12/2006	19/09/2011	2
<i>Fumaria parviflora</i>	Fine-leaved Fumitory	flowering plant	31/12/1986	-	1
<i>Mahonia aquifolium</i>	Oregon-grape	flowering plant	31/12/1990	31/12/1995	2
<i>Caltha palustris</i>	Marsh-marigold	flowering plant	31/12/1992	08/09/2012	3
<i>Helleborus foetidus</i>	Stinking Hellebore	flowering plant	24/05/2009	27/04/2011	2
<i>Anemone nemorosa</i>	Wood Anemone	flowering plant	30/06/1984	24/03/2009	8
<i>Clematis vitalba</i>	Traveller's-joy	flowering plant	27/04/1992	18/09/2010	9
<i>Ranunculus</i>	Water Crowfoot	flowering plant	22/04/2005	-	1
<i>Ranunculus acris</i>	Meadow Buttercup	flowering plant	30/06/1984	31/12/2006	4
<i>Ranunculus auricomus</i>	Goldilocks Buttercup	flowering plant	31/12/1992	-	1
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	flowering plant	31/07/2011	19/09/2011	2
<i>Ranunculus ficaria</i>	Lesser Celandine	flowering plant	01/06/1988	04/05/2008	12
<i>Ranunculus ficaria subsp. bulbifer</i>	Lesser Celandine	flowering plant	04/05/2008	18/09/2010	3
<i>Ranunculus ficaria subsp. ficaria</i>	Lesser Celandine	flowering plant	23/04/2005	27/04/2011	5
<i>Ranunculus flammula</i>	Lesser Spearwort	flowering plant	31/12/1992	25/05/2009	4
<i>Ranunculus hederaceus</i>	Ivy-leaved Crowfoot	flowering plant	31/12/1993	-	1
<i>Ranunculus parviflorus</i>	Small-flowered Buttercup	flowering plant	01/05/2011	-	1
<i>Ranunculus repens</i>	Creeping Buttercup	flowering plant	30/06/1984	16/04/2010	21
<i>Ranunculus sceleratus</i>	Celery-leaved Buttercup	flowering plant	31/12/1992	18/09/2010	4
<i>Ranunculus trichophyllus</i>	Thread-leaved Water-crowfoot	flowering plant	31/12/2005	-	1
<i>Aquilegia vulgaris</i>	Columbine	flowering plant	06/05/2006	10/11/2007	3
<i>Buxus sempervirens</i>	Box	flowering plant	31/12/1992	24/03/2009	4
<i>Ribes nigrum</i>	Black Currant	flowering plant	31/12/1992	03/05/2011	5
<i>Ribes odoratum</i>	Buffalo Currant	flowering plant	27/08/2008	-	1
<i>Ribes rubrum</i>	Red Currant	flowering plant	27/04/1992	27/04/2011	13
<i>Ribes uva-crispa</i>	Gooseberry	flowering plant	27/04/1992	27/04/2011	8
<i>Chrysosplenium oppositifolium</i>	Opposite-leaved Golden-saxifrage	flowering plant	31/12/1992	16/11/2011	7
<i>Crassula helmsii</i>	New Zealand Pigmyweed	flowering plant	06/05/2005	08/09/2012	3
<i>Sedum album</i>	White Stonecrop	flowering plant	31/12/2009	-	1
<i>Sedum telephium</i>	Orpine	flowering plant	31/12/1992	13/06/2006	5
<i>Myriophyllum aquaticum</i>	Parrot's-feather	flowering plant	06/05/2005	08/09/2012	3
<i>Parthenocissus inserta</i>	False virginia creeper	flowering plant	02/06/2007	-	2
<i>Robinia pseudoacacia</i>	False-acacia	flowering plant	01/07/2011	-	1
<i>Galega officinalis</i>	Goat's-rue	flowering plant	01/07/2006	31/12/2006	2
<i>Lotus</i>	Bird's-Foot-Trefoil	flowering plant	18/07/2008	-	1
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil	flowering plant	31/12/1992	19/09/2011	5

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Lotus pedunculatus</i>	Greater Bird's-foot-trefoil	flowering plant	31/12/1992	11/11/2009	6
<i>Vicia cracca</i>	Tufted Vetch	flowering plant	31/07/2004	06/05/2006	4
<i>Vicia sativa subsp. segetalis</i>	Common Vetch	flowering plant	31/12/2005	31/07/2011	5
<i>Vicia sepium</i>	Bush Vetch	flowering plant	30/06/1984	29/07/2008	8
<i>Vicia tetrasperma</i>	Smooth Tare	flowering plant	31/12/1992	31/12/2006	4
<i>Lathyrus latifolius</i>	Broad-leaved Everlasting-pea	flowering plant	22/09/2011	-	1
<i>Lathyrus pratensis</i>	Meadow Vetchling	flowering plant	31/12/2005	27/04/2011	3
<i>Melilotus albus</i>	White Melilot	flowering plant	31/12/2005	18/08/2010	2
<i>Melilotus altissimus</i>	Tall Melilot	flowering plant	31/12/2005	18/08/2010	2
<i>Melilotus indicus</i>	Small Melilot	flowering plant	24/05/2011	-	1
<i>Medicago arabica</i>	Spotted Medick	flowering plant	04/10/2005	18/09/2010	6
<i>Medicago lupulina</i>	Black Medick	flowering plant	31/12/1992	18/09/2010	5
<i>Medicago sativa subsp. sativa</i>	Lucerne	flowering plant	31/08/2004	-	1
<i>Trifolium campestre</i>	Hop Trefoil	flowering plant	31/12/2005	-	1
<i>Trifolium dubium</i>	Lesser Trefoil	flowering plant	31/12/1992	31/07/2011	6
<i>Trifolium fragiferum</i>	Strawberry Clover	flowering plant	31/12/1992	31/12/2009	2
<i>Trifolium hybridum</i>	Alsike Clover	flowering plant	31/12/2008	-	1
<i>Trifolium incarnatum subsp. incarnatum</i>	Crimson Clover	flowering plant	31/05/2005	-	1
<i>Trifolium micranthum</i>	Slender Trefoil	flowering plant	31/12/2005	31/12/2009	3
<i>Trifolium pratense</i>	Red Clover	flowering plant	31/12/1992	11/11/2009	6
<i>Trifolium repens</i>	White Clover	flowering plant	31/07/2004	16/04/2010	6
<i>Trifolium subterraneum</i>	Subterranean Clover	flowering plant	25/05/2009	30/04/2011	2
<i>Cytisus scoparius</i>	Broom	flowering plant	01/06/1988	16/11/2011	6
<i>Ulex europaeus</i>	Gorse	flowering plant	30/04/1977	16/11/2011	11
<i>Polygala serpyllifolia</i>	Heath Milkwort	flowering plant	31/12/1992	-	1
<i>Polygala vulgaris</i>	Common Milkwort	flowering plant	31/07/2004	26/04/2011	2
<i>Prunus</i>	Planted Cherry	flowering plant	28/08/2008	-	1
<i>Prunus avium</i>	Wild Cherry	flowering plant	30/06/1984	29/08/2008	12
<i>Prunus cerasifera</i>	Cherry Plum	flowering plant	17/03/2009	09/08/2011	4
<i>Prunus cerasifera var. pissardii</i>	Cherry Plum	flowering plant	08/04/2011	-	1
<i>Prunus domestica</i>	Wild Plum	flowering plant	31/12/1992	-	1
<i>Prunus laurocerasus</i>	Cherry Laurel	flowering plant	31/07/1997	18/09/2010	10
<i>Prunus spinosa</i>	Blackthorn	flowering plant	30/06/1984	16/04/2010	11
<i>Prunus spinosa x domestica = P. x fruticans</i>	Cherry	flowering plant	11/03/2003	17/11/2010	4
<i>Pyrus communis</i>	Pear	flowering plant	01/10/2007	-	2
<i>Malus</i>	Apple	flowering plant	26/08/2008	06/11/2009	2
<i>Malus sylvestris</i>	Apple	flowering plant	30/06/1984	27/04/1992	2
<i>Malus pumila</i>	Apple	flowering plant	31/08/2004	30/12/2011	5
<i>Malus sylvestris</i>	Crab Apple	flowering plant	31/12/1992	-	1
<i>Sorbus aucuparia</i>	Rowan	flowering plant	30/06/1984	27/04/2011	6
<i>Cotoneaster simonsii</i>	Himalayan cotoneaster	flowering plant	22/04/2011	-	2
<i>Crataegus laevigata</i>	Midland Hawthorn	flowering plant	31/12/1992	-	1
<i>Crataegus monogyna</i>	Hawthorn	flowering plant	30/06/1984	16/04/2010	28
<i>Crataegus monogyna x laevigata = C. x medi</i>		flowering plant	31/12/2005	-	2

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Filipendula ulmaria</i>	Meadowsweet	flowering plant	31/12/1992	18/09/2010	6
<i>Rubus fruticosus</i> agg.	Bramble	flowering plant	30/06/1984	18/09/2010	43
<i>Rubus caesius</i>	Dewberry	flowering plant	31/12/1992	01/07/2011	3
<i>Rubus idaeus</i>	Raspberry	flowering plant	27/04/1992	10/06/2006	6
<i>Rubus armeniacus</i>	Bramble	flowering plant	31/12/2005	08/08/2011	4
<i>Rubus rufescens</i>	Bramble	flowering plant	10/07/2011	-	1
<i>Rubus ulmifolius</i>	Bramble	flowering plant	01/07/2011	09/08/2011	2
<i>Potentilla anserina</i>	Silverweed	flowering plant	30/06/1984	06/05/2006	9
<i>Potentilla erecta</i>	Tormentil	flowering plant	30/06/1984	27/07/2011	6
<i>Potentilla reptans</i>	Creeping Cinquefoil	flowering plant	01/06/1988	31/12/2006	6
<i>Potentilla sterilis</i>	Barren Strawberry	flowering plant	30/06/1984	18/08/2010	13
<i>Fragaria vesca</i>	Wild Strawberry	flowering plant	30/06/1984	27/08/2008	8
<i>Geum rivale</i>	Water Avens	flowering plant	01/06/1988	-	1
<i>Geum urbanum</i>	Wood Avens	flowering plant	30/06/1984	18/09/2010	21
<i>Agrimonia eupatoria</i>	Agrimony	flowering plant	01/06/1988	18/09/2010	8
<i>Agrimonia procera</i>	Fragrant Agrimony	flowering plant	31/12/1992	09/08/2011	3
<i>Aphanes arvensis</i> agg.	Parsley Piert	flowering plant	31/07/2004	06/05/2006	4
<i>Aphanes arvensis</i>	Parsley-piert	flowering plant	31/12/2005	19/09/2011	2
<i>Aphanes australis</i>	Slender Parsley-piert	flowering plant	31/07/2004	13/06/2006	2
<i>Rosa</i>	Rose	flowering plant	26/08/2008	-	3
<i>Rosa canina</i> agg.	Dog Rose	flowering plant	31/12/1992	13/06/2006	4
<i>Rosa arvensis</i>	Field-rose	flowering plant	30/06/1984	27/08/2008	12
<i>Rosa canina</i>	Dog-rose	flowering plant	30/06/1984	18/09/2010	11
<i>Rosa micrantha</i>	Small-flowered Sweet-briar	flowering plant	31/08/2004	-	2
<i>Rosa multiflora</i>	Many-flowered Rose	flowering plant	31/12/2005	-	1
<i>Rosa stylosa</i>	Short-styled Field-rose	flowering plant	13/06/2006	-	1
<i>Rhamnus cathartica</i>	Buckthorn	flowering plant	31/07/1997	-	2
<i>Frangula alnus</i>	Alder Buckthorn	flowering plant	31/12/1992	-	1
<i>Ulmus</i>	Elm	flowering plant	31/07/2004	26/08/2008	7
<i>Ulmus glabra</i>	Wych Elm	flowering plant	31/12/1992	-	1
<i>Ulmus glabra</i> x <i>minor</i> x <i>plotii</i> = <i>U. x hollandica</i>	Dutch Elm	flowering plant	08/06/2008	-	1
<i>Ulmus procera</i>	English Elm	flowering plant	31/12/1992	22/04/2005	3
<i>Humulus lupulus</i>	Hop	flowering plant	01/06/1988	06/05/2006	5
<i>Urtica dioica</i>	Common Nettle	flowering plant	01/06/1988	16/04/2010	32
<i>Urtica urens</i>	Small Nettle	flowering plant	01/07/2011	-	1
<i>Parietaria judaica</i>	Pellitory-of-the-wall	flowering plant	31/08/2004	22/09/2011	2
<i>Soleirolia soleirolii</i>	Mind-your-own-business	flowering plant	31/12/2007	-	1
<i>Fagus sylvatica</i>	Beech	flowering plant	31/08/1983	09/08/2011	29
<i>Castanea sativa</i>	Sweet Chestnut	flowering plant	30/06/1984	24/03/2009	21
<i>Quercus</i>	Oak	flowering plant	31/08/1983	31/07/1997	4
<i>Quercus cerris</i>	Turkey Oak	flowering plant	31/12/1992	18/08/2010	2
<i>Quercus ilex</i>	Evergreen Oak	flowering plant	31/08/2004	31/12/2011	4
<i>Quercus petraea</i>	Sessile Oak	flowering plant	26/04/2011	-	1
<i>Quercus robur</i>	Pedunculate Oak	flowering plant	30/06/1984	08/09/2012	39

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Betula</i>	Birch	flowering plant	31/03/1996	-	1
<i>Betula pendula</i>	Silver Birch	flowering plant	30/06/1984	16/11/2011	20
<i>Betula pubescens</i>	Downy Birch	flowering plant	30/06/1984	29/08/2008	13
<i>Alnus glutinosa</i>	Alder	flowering plant	31/12/1982	18/09/2010	11
<i>Carpinus betulus</i>	Hornbeam	flowering plant	01/06/1988	09/08/2011	3
<i>Corylus avellana</i>	Hazel	flowering plant	31/08/1983	16/11/2011	37
<i>Bryonia dioica</i>	White Bryony	flowering plant	01/06/1988	18/09/2010	8
<i>Cucumis sativus</i>	Cucumber	flowering plant	02/09/2008	-	1
<i>Euonymus europaeus</i>	Spindle	flowering plant	30/06/1984	18/09/2010	10
<i>Oxalis acetosella</i>	Wood-sorrel	flowering plant	30/06/1984	27/08/2008	10
<i>Oxalis articulata</i>	Pink-sorrel	flowering plant	31/12/2007	-	2
<i>Oxalis corniculata</i>	Procumbent Yellow-sorrel	flowering plant	20/10/2006	31/12/2007	2
<i>Mercurialis annua</i>	Annual Mercury	flowering plant	31/12/1992	31/12/2007	3
<i>Mercurialis perennis</i>	Dog's Mercury	flowering plant	27/04/1992	18/09/2010	14
<i>Euphorbia amygdaloides</i>	Wood Spurge	flowering plant	30/06/1984	11/11/2009	20
<i>Euphorbia exigua</i>	Dwarf Spurge	flowering plant	31/12/2008	-	1
<i>Euphorbia helioscopia</i>	Sun Spurge	flowering plant	31/12/2005	02/11/2010	3
<i>Euphorbia lathyris</i>	Caper Spurge	flowering plant	31/07/2004	28/06/2009	2
<i>Euphorbia maculata</i>	Spotted Spurge	flowering plant	28/08/2009	-	1
<i>Euphorbia peplis</i>	Purple Spurge	flowering plant	31/12/1992	-	1
<i>Euphorbia peplus</i>	Petty Spurge	flowering plant	31/08/2004	31/12/2006	3
<i>Euphorbia platyphyllos</i>	Broad-leaved Spurge	flowering plant	31/05/2005	-	1
<i>Populus</i>	Poplar	flowering plant	06/11/2009	-	1
<i>Populus alba</i>	White Poplar	flowering plant	31/12/2005	06/05/2006	2
<i>Populus alba x tremula = P. x canescens</i>	Grey Poplar	flowering plant	31/12/2005	01/07/2011	2
<i>Populus tremula</i>	Aspen	flowering plant	30/06/1984	27/04/2011	5
<i>Populus x canadensis 'Serotina' x candicans</i>	Black Italian Poplar	flowering plant	31/12/1992	-	1
<i>Salix</i>	Willow	flowering plant	31/03/1996	08/09/2012	5
<i>Salix alba</i>	White Willow	flowering plant	31/12/2007	18/09/2010	2
<i>Salix caprea</i>	Goat Willow	flowering plant	31/12/1992	16/04/2010	9
<i>Salix cinerea</i>	Common Sallow	flowering plant	01/06/1988	11/11/2009	6
<i>Salix cinerea subsp. cinerea</i>	Grey Willow	flowering plant	06/05/2005	-	2
<i>Salix cinerea subsp. oleifolia</i>	Rusty Willow	flowering plant	31/12/1992	31/12/2008	6
<i>Salix fragilis</i>	Crack-willow	flowering plant	31/12/1992	31/12/2007	5
<i>Salix viminalis</i>	Osier	flowering plant	31/08/2004	31/12/2007	2
<i>Salix viminalis x caprea = S. x smithiana</i>	Broad-leaved Osier	flowering plant	04/07/2007	-	1
<i>Viola</i>	Violet	flowering plant	18/07/2008	29/08/2008	14
<i>Viola arvensis</i>	Field Pansy	flowering plant	31/08/2004	31/07/2011	5
<i>Viola hirta</i>	Hairy Violet	flowering plant	31/07/2004	31/08/2004	2
<i>Viola odorata</i>	Sweet Violet	flowering plant	31/12/1992	28/08/2008	8
<i>Viola odorata var. dumetorum</i>		flowering plant	10/04/2006	-	1
<i>Viola odorata var. odorata</i>		flowering plant	12/04/2008	-	1
<i>Viola reichenbachiana</i>	Early Dog-violet	flowering plant	31/12/1992	18/09/2010	6
<i>Viola riviniana</i>	Common Dog-violet	flowering plant	30/06/1984	18/08/2010	13

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<i>Linum catharticum</i>	Fairy Flax	flowering plant	31/07/2004	-	1
<i>Linum usitatissimum</i>	Flax	flowering plant	22/09/2011	-	1
<i>Hypericum</i>	St. John's-Wort	flowering plant	08/09/2012	-	1
<i>Hypericum androsaemum</i>	Tutsan	flowering plant	31/12/1992	18/09/2010	11
<i>Hypericum hirsutum</i>	Hairy St John's-wort	flowering plant	31/12/1992	04/10/2005	3
<i>Hypericum humifusum</i>	Trailing St John's-wort	flowering plant	31/12/1992	04/10/2005	3
<i>Hypericum perforatum</i>	Perforate St John's-wort	flowering plant	31/08/2004	31/12/2005	3
<i>Hypericum pulchrum</i>	Slender St John's-wort	flowering plant	30/06/1984	10/07/2011	5
<i>Hypericum tetrapterum</i>	Square-stalked St John's-wort	flowering plant	31/12/1992	11/11/2009	6
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	flowering plant	31/12/1992	16/04/2010	9
<i>Geranium endressii x versicolor = G. x oxonia</i>	Druce's Crane's-bill	flowering plant	06/06/2007	24/05/2009	2
<i>Geranium lucidum</i>	Shining Crane's-bill	flowering plant	10/06/2006	-	1
<i>Geranium molle</i>	Dove's-foot Crane's-bill	flowering plant	31/12/1992	18/09/2010	6
<i>Geranium pratense</i>	Meadow Crane's-bill	flowering plant	31/12/2005	-	1
<i>Geranium pusillum</i>	Small-flowered Crane's-bill	flowering plant	13/06/2006	19/09/2009	3
<i>Geranium pyrenaicum</i>	Hedgerow Crane's-bill	flowering plant	31/08/2004	-	1
<i>Geranium robertianum</i>	Herb-Robert	flowering plant	30/06/1984	26/08/2008	19
<i>Geranium sanguineum</i>	Bloody Crane's-bill	flowering plant	31/12/1997	-	1
<i>Erodium cicutarium</i>	Common Stork's-bill	flowering plant	28/11/2011	-	1
<i>Lythrum portula</i>	Water-purslane	flowering plant	31/12/1992	-	1
<i>Lythrum salicaria</i>	Purple-loosestrife	flowering plant	22/04/2005	22/09/2011	4
<i>Epilobium</i>	Willowherb	flowering plant	06/05/2005	08/09/2012	2
<i>Epilobium ciliatum</i>	American Willowherb	flowering plant	30/06/1984	30/04/2007	5
<i>Epilobium hirsutum</i>	Great Willowherb	flowering plant	01/06/1988	11/11/2009	14
<i>Epilobium montanum</i>	Broad-leaved Willowherb	flowering plant	30/06/1984	31/12/2008	5
<i>Epilobium obscurum</i>	Short-fruited Willowherb	flowering plant	31/12/1992	13/06/2006	4
<i>Epilobium parviflorum</i>	Hoary Willowherb	flowering plant	31/12/1992	31/08/2004	2
<i>Epilobium tetragonum</i>	Square-stalked Willowherb	flowering plant	31/07/2004	-	1
<i>Chamerion angustifolium</i>	Rosebay Willowherb	flowering plant	01/06/1988	01/07/2011	8
<i>Oenothera glazioviana</i>	Large-flowered Evening-primrose	flowering plant	31/12/2005	-	1
<i>Circaea lutetiana</i>	Enchanter's-nightshade	flowering plant	30/06/1984	22/09/2011	23
<i>Eucalyptus</i>		flowering plant	16/04/2010	-	1
<i>Aesculus hippocastanum</i>	Horse-chestnut	flowering plant	31/12/1992	29/08/2008	11
<i>Acer campestre</i>	Field Maple	flowering plant	30/06/1984	06/11/2009	27
<i>Acer platanoides</i>	Norway Maple	flowering plant	31/07/2004	01/05/2011	3
<i>Acer pseudoplatanus</i>	Sycamore	flowering plant	30/06/1984	11/11/2009	27
<i>Malva moschata</i>	Musk-mallow	flowering plant	31/07/2004	10/07/2011	2
<i>Malva neglecta</i>	Dwarf Mallow	flowering plant	20/09/2005	22/09/2005	2
<i>Malva sylvestris</i>	Common Mallow	flowering plant	31/12/1992	31/12/2006	5
<i>Lavatera arborea</i>	Tree-mallow	flowering plant	31/12/2007	-	1
<i>Sidalcea malviflora</i>	Greek Mallow	flowering plant	29/09/2011	-	1
<i>Tilia cordata</i>	Small-leaved Lime	flowering plant	26/08/2008	-	1
<i>Tilia platyphyllos x cordata = T. x europaea</i>	Lime	flowering plant	31/07/1997	09/08/2011	6
<i>Daphne laureola</i>	Spurge-laurel	flowering plant	30/06/1984	29/08/2008	14

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<i>Reseda lutea</i>	Wild Mignonette	flowering plant	23/04/2005	-	1
<i>Reseda luteola</i>	Weld	flowering plant	31/07/2004	31/12/2005	3
<i>Erysimum cheiranthoides</i>	Treacle-mustard	flowering plant	11/10/2007	-	1
<i>Arabidopsis thaliana</i>	Thale Cress	flowering plant	31/12/2005	18/09/2010	6
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	flowering plant	31/12/1992	31/07/2011	7
<i>Capsella rubella</i>	Pink Shepherd's-purse	flowering plant	31/12/1979	-	1
<i>Barbarea vulgaris</i>	Winter-cress	flowering plant	31/12/2005	01/05/2011	4
<i>Rorippa nasturtium-aquaticum</i> agg.	Water Cress	flowering plant	03/06/2005	31/12/2009	3
<i>Rorippa nasturtium-aquaticum</i>	Water-cress	flowering plant	22/04/2005	31/12/2009	3
<i>Armoracia rusticana</i>	Horse-radish	flowering plant	31/12/2005	-	1
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	flowering plant	30/06/1984	16/11/2011	10
<i>Cardamine hirsuta</i>	Hairy Bitter-cress	flowering plant	19/04/1993	06/05/2006	7
<i>Cardamine pratensis</i>	Cuckooflower	flowering plant	30/06/1984	19/09/2011	10
<i>Lepidium campestre</i>	Field Pepperwort	flowering plant	24/05/2011	-	1
<i>Lepidium coronopus</i>	Swine-cress	flowering plant	31/12/1992	16/04/2010	6
<i>Lepidium didymum</i>	Lesser Swine-cress	flowering plant	06/05/2006	31/12/2006	4
<i>Lepidium draba</i>	Hoary Cress	flowering plant	31/12/2006	18/09/2010	2
<i>Lunaria annua</i>	Honesty	flowering plant	31/12/1992	10/11/2007	3
<i>Arabis caucasica</i>	Garden Arabis	flowering plant	15/04/2001	-	1
<i>Erophila verna</i>	Common Whitflowgrass	flowering plant	31/12/2005	-	1
<i>Brassica napus</i>	Rape	flowering plant	31/12/2007	-	1
<i>Brassica nigra</i>	Black Mustard	flowering plant	31/07/2004	-	1
<i>Sinapis arvensis</i>	Charlock	flowering plant	31/12/2005	27/04/2011	4
<i>Raphanus raphanistrum</i> subsp. <i>raphanistrum</i>	Wild Radish	flowering plant	31/07/2004	16/11/2011	3
<i>Sisymbrium officinale</i>	Hedge Mustard	flowering plant	31/08/2004	06/05/2006	3
<i>Alliaria petiolata</i>	Garlic Mustard	flowering plant	31/12/1992	31/12/2006	8
<i>Thlaspi arvense</i>	Field Penny-cress	flowering plant	06/05/2006	31/12/2007	2
<i>Hesperis matronalis</i>	Dame's-violet	flowering plant	13/06/2006	-	1
<i>Cochlearia danica</i>	Danish Scurvygrass	flowering plant	11/04/2005	-	1
<i>Viscum album</i>	Mistletoe	flowering plant	13/03/2009	04/02/2011	3
<i>Persicaria amphibia</i>	Amphibious Bistort	flowering plant	31/07/2011	-	1
<i>Persicaria hydropiper</i>	Water-pepper	flowering plant	31/12/1992	22/09/2011	5
<i>Persicaria lapathifolia</i>	Pale Persicaria	flowering plant	31/12/2005	-	1
<i>Persicaria maculosa</i>	Redshank	flowering plant	31/12/1992	31/07/2011	9
<i>Polygonum aviculare</i> agg.	Knotgrass agg.	flowering plant	31/08/2004	31/12/2005	3
<i>Polygonum arenastrum</i>	Equal-leaved Knotgrass	flowering plant	31/12/2005	18/09/2010	3
<i>Polygonum aviculare</i>	Knotgrass	flowering plant	31/07/2011	-	1
<i>Fallopia convolvulus</i>	Black-bindweed	flowering plant	31/08/2004	19/09/2011	5
<i>Fallopia japonica</i>	Japanese Knotweed	flowering plant	06/05/2006	31/12/2006	2
<i>Rheum palmatum</i> x <i>rhaponticum</i> = <i>R. x hybrid</i>	Rhubarb	flowering plant	06/05/2006	-	1
<i>Rumex acetosa</i>	Common Sorrel	flowering plant	29/04/2005	11/11/2009	6
<i>Rumex acetosella</i>	Sheep's Sorrel	flowering plant	31/07/1997	31/12/2007	4
<i>Rumex conglomeratus</i>	Clustered Dock	flowering plant	31/12/2008	31/07/2011	2
<i>Rumex crispus</i>	Curled Dock	flowering plant	31/07/2004	16/04/2010	12

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Rumex crispus</i> subsp. <i>littoreus</i>	Curled Dock	flowering plant	14/05/2003	-	2
<i>Rumex crispus</i> x <i>obtusifolius</i> = <i>R. x pratensis</i>	Dock	flowering plant	01/07/2011	-	1
<i>Rumex hydrolapathum</i>	Water Dock	flowering plant	01/07/2011	-	1
<i>Rumex obtusifolius</i>	Broad-leaved Dock	flowering plant	31/12/1992	16/04/2010	14
<i>Rumex pulcher</i>	Fiddle Dock	flowering plant	03/03/2007	16/11/2011	3
<i>Rumex sanguineus</i>	Wood Dock	flowering plant	30/06/1984	29/07/2008	8
<i>Arenaria serpyllifolia</i>	Thyme-Leaved Sandwort	flowering plant	31/12/2008	-	1
<i>Arenaria serpyllifolia</i> subsp. <i>leptoclados</i>	Slender Sandwort	flowering plant	11/06/2011	-	1
<i>Arenaria serpyllifolia</i> subsp. <i>serpyllifolia</i>	Thyme-leaved Sandwort	flowering plant	31/12/2008	-	1
<i>Moehringia trinervia</i>	Three-nerved Sandwort	flowering plant	30/06/1984	13/09/2008	11
<i>Stellaria alsine</i>	Bog Stitchwort	flowering plant	30/06/1984	25/05/2009	4
<i>Stellaria graminea</i>	Lesser Stitchwort	flowering plant	31/07/2004	18/09/2010	6
<i>Stellaria holostea</i>	Greater Stitchwort	flowering plant	30/06/1984	29/07/2008	10
<i>Stellaria media</i>	Common Chickweed	flowering plant	31/12/1992	11/11/2009	7
<i>Stellaria pallida</i>	Lesser Chickweed	flowering plant	28/02/2005	-	1
<i>Cerastium fontanum</i>	Common Mouse-ear	flowering plant	31/12/1992	18/09/2010	10
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	flowering plant	23/04/2005	16/04/2010	4
<i>Myosoton aquaticum</i>	Water Chickweed	flowering plant	31/08/2004	-	1
<i>Sagina apetala</i>	Annual Pearlwort	flowering plant	31/12/2006	31/12/2007	2
<i>Sagina apetala</i> subsp. <i>erecta</i>	Fringed Pearlwort	flowering plant	31/12/1988	31/12/2007	3
<i>Sagina procumbens</i>	Procumbent Pearlwort	flowering plant	31/12/1992	16/04/2010	5
<i>Spargula arvensis</i>	Corn Spurrey	flowering plant	31/12/2006	-	1
<i>Spargularia rubra</i>	Sand Spurrey	flowering plant	31/08/2004	-	1
<i>Agrostemma githago</i>	Corncockle	flowering plant	31/12/1997	31/12/1998	2
<i>Silene dioica</i>	Red Campion	flowering plant	30/06/1984	11/11/2009	22
<i>Silene latifolia</i>	White Campion	flowering plant	31/12/2005	09/08/2011	3
<i>Silene latifolia</i> x <i>dioica</i> = <i>S. x hampeana</i>	Hybrid Campion	flowering plant	31/12/2005	-	1
<i>Lychnis flos-cuculi</i>	Ragged-Robin	flowering plant	30/06/1984	25/05/2009	5
<i>Saponaria officinalis</i>	Soapwort	flowering plant	08/08/2006	-	1
<i>Chenopodium album</i> agg.	Fat Hen	flowering plant	31/12/1992	-	1
<i>Chenopodium album</i>	Fat-hen	flowering plant	31/07/2004	19/09/2011	5
<i>Chenopodium ficifolium</i>	Fig-leaved Goosefoot	flowering plant	20/07/2008	01/07/2011	2
<i>Chenopodium polyspermum</i>	Many-seeded Goosefoot	flowering plant	31/12/1992	31/07/2011	6
<i>Chenopodium rubrum</i>	Red Goosefoot	flowering plant	31/12/2005	-	1
<i>Atriplex patula</i>	Common Orache	flowering plant	31/08/2004	31/07/2011	4
<i>Atriplex prostrata</i>	Spear-leaved Orache	flowering plant	31/08/2004	31/12/2005	2
<i>Beta vulgaris</i> subsp. <i>maritima</i>	Sea Beet	flowering plant	31/12/2007	-	1
<i>Amaranthus blitoides</i>	Prostrate Pigweed	flowering plant	27/08/2006	-	1
<i>Amaranthus blitum</i>	Guernsey Pigweed	flowering plant	30/04/1999	-	1
<i>Amaranthus retroflexus</i>	Common Amaranth	flowering plant	29/07/2008	-	2
<i>Montia fontana</i>	Blinks	flowering plant	31/12/2009	-	1
<i>Portulaca oleracea</i>	Common Purslane	flowering plant	31/12/1996	22/08/2005	2
<i>Cornus sanguinea</i>	Dogwood	flowering plant	01/06/1988	06/11/2009	12
<i>Impatiens glandulifera</i>	Indian Balsam	flowering plant	31/08/2004	08/09/2012	5

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<i>Primula veris</i>	Cowslip	flowering plant	23/04/2005	14/04/2009	2
<i>Primula veris x vulgaris = P. x polyantha</i>	False Oxlip	flowering plant	03/04/2008	-	1
<i>Primula vulgaris</i>	Primrose	flowering plant	30/06/1984	28/03/2010	23
<i>Lysimachia nemorum</i>	Yellow Pimpernel	flowering plant	30/06/1984	11/11/2009	13
<i>Lysimachia nummularia</i>	Creeping-Jenny	flowering plant	31/12/1992	27/08/2008	2
<i>Lysimachia vulgaris</i>	Yellow Loosestrife	flowering plant	31/12/1992	09/08/2011	4
<i>Anagallis arvensis</i>	Scarlet Pimpernel	flowering plant	31/12/1992	31/07/2011	8
<i>Anagallis minima</i>	Chaffweed	flowering plant	31/12/1992	-	3
<i>Cyclamen</i>		flowering plant	26/08/2008	-	1
<i>Cyclamen hederifolium</i>	Sowbread	flowering plant	02/04/2005	07/09/2011	3
<i>Rhododendron</i>		flowering plant	31/07/1997	-	2
<i>Rhododendron ponticum</i>	Rhododendron	flowering plant	30/06/1984	24/03/2009	7
<i>Calluna vulgaris</i>	Heather	flowering plant	30/06/1984	27/07/2011	9
<i>Erica cinerea</i>	Bell Heather	flowering plant	31/07/1997	04/10/2005	3
<i>Erica lusitanica</i>	Portuguese Heath	flowering plant	26/04/2011	-	1
<i>Erica tetralix</i>	Cross-leaved Heath	flowering plant	31/03/1996	27/07/2011	2
<i>Sherardia arvensis</i>	Field Madder	flowering plant	31/08/2004	31/12/2007	3
<i>Galium aparine</i>	Cleavers	flowering plant	30/06/1984	16/04/2010	20
<i>Galium mollugo</i>	Hedge Bedstraw	flowering plant	31/12/1992	06/05/2006	7
<i>Galium odoratum</i>	Woodruff	flowering plant	27/04/2011	-	1
<i>Galium palustre</i>	Marsh-bedstraw	flowering plant	01/06/1988	08/09/2012	7
<i>Galium palustre subsp. palustre</i>	Common Marsh-bedstraw	flowering plant	31/07/2004	-	1
<i>Galium parisiense</i>	Wall Bedstraw	flowering plant	07/06/2009	30/06/2009	2
<i>Galium saxatile</i>	Heath Bedstraw	flowering plant	31/12/1992	31/08/2004	4
<i>Galium tricorutum</i>	Corn Cleavers	flowering plant	31/12/1976	-	1
<i>Galium verum</i>	Lady's Bedstraw	flowering plant	31/07/2004	18/09/2010	3
<i>Cruciata laevipes</i>	Crosswort	flowering plant	31/12/1992	15/04/2011	4
<i>Centaurium erythraea</i>	Common Centaury	flowering plant	31/12/1992	18/09/2010	3
<i>Centaurium erythraea var. erythraea</i>		flowering plant	31/12/2005	13/06/2006	2
<i>Centaurium pulchellum</i>	Lesser Centaury	flowering plant	31/12/1992	-	1
<i>Blackstonia perfoliata</i>	Yellow-wort	flowering plant	31/08/2004	-	1
<i>Vinca major</i>	Greater Periwinkle	flowering plant	31/12/2005	31/12/2007	3
<i>Vinca minor</i>	Lesser Periwinkle	flowering plant	15/04/2011	-	1
<i>Convolvulus arvensis</i>	Field Bindweed	flowering plant	31/12/1992	31/12/2005	5
<i>Calystegia sepium</i>	Hedge Bindweed	flowering plant	31/12/1992	11/11/2009	7
<i>Calystegia silvatica</i>	Large Bindweed	flowering plant	31/08/2004	18/08/2010	4
<i>Atropa belladonna</i>	Deadly Nightshade	flowering plant	04/10/2005	-	1
<i>Nicandra physalodes</i>	Apple-of-Peru	flowering plant	31/12/1997	-	1
<i>Solanum dulcamara</i>	Bittersweet	flowering plant	31/12/1992	11/11/2009	11
<i>Solanum nigrum</i>	Black Nightshade	flowering plant	31/12/1992	09/08/2011	6
<i>Solanum tuberosum</i>	Potato	flowering plant	31/12/2005	14/08/2009	2
<i>Lycopersicon esculentum</i>	Tomato	flowering plant	20/10/2006	-	1
<i>Nicotiana glauca x forgetiana = N. x sanderae</i>	Tobacco	flowering plant	28/09/1996	-	1
<i>Fraxinus excelsior</i>	Ash	flowering plant	31/08/1983	16/04/2010	37

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<i>Ligustrum ovalifolium</i>	Garden Privet	flowering plant	19/02/2006	05/02/2010	2
<i>Ligustrum vulgare</i>	Wild Privet	flowering plant	30/06/1984	26/08/2008	14
<i>Digitalis purpurea</i>	Foxglove	flowering plant	30/06/1984	16/11/2011	14
<i>Veronica arvensis</i>	Wall Speedwell	flowering plant	31/12/1992	06/05/2006	4
<i>Veronica beccabunga</i>	Brooklime	flowering plant	31/12/1992	08/09/2012	8
<i>Veronica catenata</i>	Pink Water-Speedwell	flowering plant	22/04/2005	03/06/2005	2
<i>Veronica chamaedrys</i>	Germander Speedwell	flowering plant	30/06/1984	16/04/2010	13
<i>Veronica filiformis</i>	Slender Speedwell	flowering plant	31/08/2004	31/12/2008	2
<i>Veronica hederifolia</i>	Ivy-leaved Speedwell	flowering plant	31/12/1992	31/12/2007	5
<i>Veronica hederifolia subsp. hederifolia</i>	Ivy-Leaved Speedwell	flowering plant	31/12/2005	31/12/2007	3
<i>Veronica hederifolia subsp. lucorum</i>	Ivy-Leaved Speedwell	flowering plant	06/05/2006	27/04/2011	2
<i>Veronica montana</i>	Wood Speedwell	flowering plant	01/06/1988	03/05/2011	6
<i>Veronica officinalis</i>	Heath Speedwell	flowering plant	31/12/1992	04/10/2005	4
<i>Veronica persica</i>	Common Field-speedwell	flowering plant	31/12/1992	16/04/2010	9
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	flowering plant	31/12/1992	18/09/2010	9
<i>Hebe salicifolia</i>	Koromiko	flowering plant	18/08/2010	-	1
<i>Antirrhinum majus</i>	Snapdragon	flowering plant	31/12/2007	07/09/2011	3
<i>Chaenorhinum minus</i>	Small Toadflax	flowering plant	31/12/2008	-	1
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	flowering plant	29/04/2005	09/08/2011	4
<i>Kickxia elatine</i>	Sharp-leaved Fluellen	flowering plant	31/08/2004	31/12/2006	2
<i>Kickxia spuria</i>	Round-leaved Fluellen	flowering plant	31/12/2007	-	1
<i>Linaria purpurea</i>	Purple Toadflax	flowering plant	31/12/1992	31/12/2007	3
<i>Linaria vulgaris</i>	Common Toadflax	flowering plant	31/08/2004	31/12/2005	3
<i>Plantago lanceolata</i>	Ribwort Plantain	flowering plant	31/12/1992	30/04/2007	10
<i>Plantago major</i>	Greater Plantain	flowering plant	31/12/1992	10/06/2006	8
<i>Plantago major subsp. major</i>	Greater Plantain	flowering plant	10/06/2006	-	1
<i>Plantago media</i>	Hoary Plantain	flowering plant	14/04/2009	-	1
<i>Callitriche</i>	Water-starwort	flowering plant	31/07/2004	08/09/2012	21
<i>Callitriche stagnalis</i>	Common Water-Starwort	flowering plant	31/12/1992	03/06/2005	2
<i>Callitriche stagnalis</i>	Common Water-starwort	flowering plant	09/08/2011	-	1
<i>Verbascum lychnitis</i>	White Mullein	flowering plant	31/12/1978	26/07/2011	2
<i>Verbascum thapsus</i>	Great Mullein	flowering plant	31/07/2004	31/12/2006	3
<i>Scrophularia auriculata</i>	Water Figwort	flowering plant	31/12/1992	31/12/2006	4
<i>Scrophularia nodosa</i>	Common Figwort	flowering plant	30/06/1984	29/08/2008	13
<i>Buddleja</i>		flowering plant	18/07/2008	27/08/2008	3
<i>Buddleja davidii</i>	Butterfly-bush	flowering plant	31/12/1992	06/05/2006	6
<i>Stachys officinalis</i>	Betony	flowering plant	30/06/1984	29/07/2008	4
<i>Stachys palustris</i>	Marsh Woundwort	flowering plant	31/12/2005	01/07/2011	2
<i>Stachys sylvatica</i>	Hedge Woundwort	flowering plant	30/06/1984	29/08/2008	14
<i>Ballota nigra</i>	Black Horehound	flowering plant	31/08/2004	31/12/2006	4
<i>Lamium album</i>	White Dead-nettle	flowering plant	31/12/1992	11/11/2009	12
<i>Lamium galeobdolon</i>	Yellow Archangel	flowering plant	01/06/1988	11/11/2009	6
<i>Lamium galeobdolon subsp. argentatum</i>	Yellow Archangel	flowering plant	10/08/2011	-	2
<i>Lamium galeobdolon subsp. montanum</i>	Yellow Archangel	flowering plant	23/04/2005	27/04/2011	3

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<i>Lamium hybridum</i>	Cut-leaved Dead-nettle	flowering plant	03/03/2007	31/07/2011	2
<i>Lamium purpureum</i>	Red Dead-nettle	flowering plant	31/12/1992	16/04/2010	9
<i>Galeopsis tetrahit agg.</i>	Common Hemp-Nettle agg.	flowering plant	31/07/2004	-	1
<i>Galeopsis tetrahit</i>	Common Hemp-nettle	flowering plant	31/12/1992	18/09/2010	3
<i>Scutellaria galericulata</i>	Skullcap	flowering plant	06/05/2005	04/06/2005	2
<i>Scutellaria minor</i>	Lesser Skullcap	flowering plant	31/12/1992	09/08/2011	2
<i>Teucrium scorodonia</i>	Wood Sage	flowering plant	30/06/1984	27/08/2008	13
<i>Ajuga reptans</i>	Bugle	flowering plant	30/06/1984	11/11/2009	15
<i>Glechoma hederacea</i>	Ground-ivy	flowering plant	01/06/1988	16/04/2010	33
<i>Prunella vulgaris</i>	Selfheal	flowering plant	01/06/1988	31/07/2011	11
<i>Melissa officinalis</i>	Balm	flowering plant	31/12/1992	16/08/2011	5
<i>Clinopodium ascendens</i>	Common Calamint	flowering plant	30/07/1992	19/09/2010	4
<i>Clinopodium vulgare</i>	Wild Basil	flowering plant	04/10/2005	-	1
<i>Origanum vulgare</i>	Wild Marjoram	flowering plant	31/07/2004	10/07/2011	3
<i>Lycopus europaeus</i>	Gypsywort	flowering plant	30/06/1984	08/09/2012	15
<i>Mentha aquatica</i>	Water Mint	flowering plant	01/06/1988	08/09/2012	18
<i>Mentha arvensis</i>	Corn Mint	flowering plant	31/07/2004	27/08/2008	4
<i>Mentha spicata</i>	Spear Mint	flowering plant	01/07/2006	14/04/2007	2
<i>Melampyrum pratense</i>	Common Cow-wheat	flowering plant	31/12/1992	-	2
<i>Euphrasia officinalis agg.</i>	Eyebright	flowering plant	31/07/2004	-	1
<i>Odontites vernus</i>	Red Bartsia	flowering plant	31/12/1992	31/12/2005	2
<i>Odontites vernus subsp. serotinus</i>	Red Bartsia	flowering plant	31/07/2004	31/08/2004	2
<i>Orobanche elatior</i>	Knapweed Broomrape	flowering plant	31/12/1979	-	1
<i>Orobanche minor</i>	Common Broomrape	flowering plant	31/10/2004	-	1
<i>Verbena officinalis</i>	Vervain	flowering plant	31/12/1992	31/08/2004	3
<i>Verbena rigida</i>	Slender Vervain	flowering plant	30/06/2005	-	1
<i>Ilex aquifolium</i>	Holly	flowering plant	30/06/1984	29/08/2008	34
<i>Campanula poscharskyana</i>	Trailing Bellflower	flowering plant	31/12/2009	19/12/2011	2
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	flowering plant	31/08/1983	31/08/2004	2
<i>Menyanthes trifoliata</i>	Bogbean	flowering plant	06/05/2005	08/09/2012	3
<i>Arctium lappa</i>	Greater Burdock	flowering plant	31/12/2009	09/08/2011	2
<i>Arctium minus</i>	Lesser Burdock	flowering plant	27/04/1992	16/04/2010	18
<i>Arctium tomentosum</i>	Woolly Burdock	flowering plant	18/07/2008	-	1
<i>Carduus crispus</i>	Wetted Thistle	flowering plant	10/11/2007	-	1
<i>Carduus nutans</i>	Musk Thistle	flowering plant	31/08/2004	-	1
<i>Cirsium arvense</i>	Creeping thistle	flowering plant	31/12/1992	16/04/2010	23
<i>Cirsium palustre</i>	Marsh Thistle	flowering plant	30/06/1984	08/09/2012	8
<i>Cirsium vulgare</i>	Spear thistle	flowering plant	31/12/1992	30/12/2011	18
<i>Serratula tinctoria</i>	Saw-wort	flowering plant	31/12/1990	31/12/1992	4
<i>Centaurea cyanus</i>	Cornflower	flowering plant	31/12/1997	-	1
<i>Centaurea nigra</i>	Common Knapweed	flowering plant	31/12/1992	10/11/2007	10
<i>Cichorium intybus</i>	Chicory	flowering plant	13/09/2011	-	1
<i>Lapsana communis</i>	Nipplewort	flowering plant	31/12/1992	31/12/2006	6
<i>Hypochaeris glabra</i>	Smooth Cat's-ear	flowering plant	31/12/1968	-	1

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<i>Hypochaeris radicata</i>	Cat's-ear	flowering plant	31/12/1992	31/12/2007	5
<i>Leontodon autumnalis</i>	Autumn Hawkbit	flowering plant	31/12/1992	18/09/2010	6
<i>Leontodon saxatilis</i>	Lesser Hawkbit	flowering plant	31/08/2004	22/09/2011	2
<i>Picris echioides</i>	Bristly Oxtongue	flowering plant	31/08/2004	16/04/2010	9
<i>Picris hieracioides</i>	Hawkweed Oxtongue	flowering plant	31/12/2005	-	1
<i>Tragopogon porrifolius</i>	Salsify	flowering plant	20/06/2010	-	1
<i>Tragopogon pratensis</i>	Goat's-beard	flowering plant	31/12/2006	-	1
<i>Sonchus arvensis</i>	Perennial Sow-thistle	flowering plant	31/12/1992	06/05/2006	5
<i>Sonchus asper</i>	Prickly Sow-thistle	flowering plant	31/12/1992	06/05/2006	6
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	flowering plant	31/12/1992	16/04/2010	7
<i>Lactuca serriola</i>	Prickly Lettuce	flowering plant	31/08/2004	31/12/2005	2
<i>Mycelis muralis</i>	Wall Lettuce	flowering plant	31/12/1992	31/08/2004	2
<i>Taraxacum</i>	Dandelion Agg.	flowering plant	31/07/2004	06/05/2005	3
<i>Taraxacum aggregate</i>		flowering plant	23/04/2005	06/05/2006	3
<i>Taraxacum officinale agg.</i>	Dandelion	flowering plant	30/06/1984	30/04/2007	8
<i>Crepis capillaris</i>	Smooth Hawk's-beard	flowering plant	31/12/1992	31/12/2005	4
<i>Crepis vesicaria</i>	Beaked Hawk's-beard	flowering plant	31/12/2005	31/12/2009	3
<i>Pilosella aurantiaca</i>	Fox-and-cubs	flowering plant	12/09/2009	-	1
<i>Pilosella aurantiaca subsp. carpathicola</i>	Fox and Cubs	flowering plant	18/08/2010	-	1
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	flowering plant	29/04/2005	31/12/2007	2
<i>Hieracium</i>	Hawkweed	flowering plant	27/04/1992	-	1
<i>Hieracium aggregatum</i>	Hawkweed	flowering plant	31/08/2004	04/10/2005	2
<i>Hieracium sabaudum</i>	Sharp-toothed Hawkweed	flowering plant	31/12/1992	08/08/2011	3
<i>Filago minima</i>	Small Cudweed	flowering plant	01/05/2011	-	1
<i>Filago vulgaris</i>	Common Cudweed	flowering plant	31/07/1997	-	1
<i>Gnaphalium sylvaticum</i>	Heath Cudweed	flowering plant	31/12/1988	04/10/2005	5
<i>Gnaphalium uliginosum</i>	Marsh Cudweed	flowering plant	31/12/1992	31/12/2005	4
<i>Inula conyzae</i>	Ploughman's-spikenard	flowering plant	31/07/2004	31/08/2004	2
<i>Pulicaria dysenterica</i>	Common Fleabane	flowering plant	01/06/1988	08/09/2012	13
<i>Solidago canadensis</i>	Canadian Goldenrod	flowering plant	18/08/2010	-	1
<i>Solidago virgaurea</i>	Goldenrod	flowering plant	31/12/1992	31/08/2004	3
<i>Erigeron acer</i>	Blue Fleabane	flowering plant	31/08/2004	04/10/2005	2
<i>Erigeron karvinskianus</i>	Mexican Fleabane	flowering plant	06/05/2006	31/12/2009	2
<i>Conyza bilbaoana</i>	Bilbao Fleabane	flowering plant	04/10/2005	-	1
<i>Conyza canadensis</i>	Canadian Fleabane	flowering plant	31/12/2005	31/12/2009	2
<i>Conyza sumatrensis</i>	Guernsey Fleabane	flowering plant	04/10/2005	31/12/2009	3
<i>Bellis perennis</i>	Daisy	flowering plant	31/12/1992	16/04/2010	8
<i>Tanacetum parthenium</i>	Feverfew	flowering plant	31/12/2005	18/09/2010	4
<i>Tanacetum vulgare</i>	Tansy	flowering plant	29/04/2005	-	1
<i>Artemisia vulgaris</i>	Mugwort	flowering plant	31/07/2004	30/12/2011	7
<i>Achillea millefolium</i>	Yarrow	flowering plant	31/12/1992	11/11/2009	9
<i>Achillea ptarmica</i>	Sneezewort	flowering plant	14/08/2009	-	1
<i>Anthemis arvensis</i>	Corn Chamomile	flowering plant	31/12/1997	-	1
<i>Glebionis segetum</i>	Corn Marigold	flowering plant	31/12/1997	-	1

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Leucanthemum vulgare</i>	Oxeye Daisy	flowering plant	31/08/2004	31/12/2006	4
<i>Matricaria discoidea</i>	Pineappleweed	flowering plant	31/12/1992	31/12/2006	3
<i>Matricaria recutita</i>	Scented Mayweed	flowering plant	31/08/2004	31/12/2007	3
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	flowering plant	31/12/1992	18/09/2010	7
<i>Senecio</i>	Ragwort	flowering plant	27/08/2008	-	1
<i>Senecio aquaticus</i>	Marsh Ragwort	flowering plant	31/12/2005	-	1
<i>Senecio cineraria</i>	Silver Ragwort	flowering plant	18/09/2010	-	1
<i>Senecio erucifolius</i>	Hoary Ragwort	flowering plant	31/08/2004	31/07/2011	4
<i>Senecio jacobaea</i>	Ragwort	flowering plant	31/12/1992	16/04/2010	21
<i>Senecio squalidus</i>	Oxford Ragwort	flowering plant	31/12/2008	-	1
<i>Senecio sylvaticus</i>	Heath Groundsel	flowering plant	31/12/1992	31/12/2007	3
<i>Senecio viscosus</i>	Sticky Groundsel	flowering plant	31/08/2004	04/11/2011	3
<i>Senecio vulgaris</i>	Groundsel	flowering plant	31/12/1992	30/04/2007	6
<i>Tussilago farfara</i>	Colt's-foot	flowering plant	31/12/1992	27/04/2011	4
<i>Petasites fragrans</i>	Winter Heliotrope	flowering plant	31/12/1992	06/05/2006	3
<i>Calendula officinalis</i>	Pot Marigold	flowering plant	31/12/1992	-	2
<i>Helianthus annuus</i>	Sunflower	flowering plant	17/09/2011	-	1
<i>Helianthus tuberosus</i>	Jerusalem Artichoke	flowering plant	10/06/2006	-	1
<i>Helianthus tuberosus x pauciflorus = H. x laeti</i>	Perennial Sunflower	flowering plant	17/10/2004	-	2
<i>Galinsoga parviflora</i>	Gallant Soldier	flowering plant	31/12/2006	-	1
<i>Eupatorium cannabinum</i>	Hemp-agrimony	flowering plant	01/06/1988	31/12/2005	7
<i>Heliopsis scabra</i>	Rough Oxeye	flowering plant	22/10/2005	-	1
<i>Adoxa moschatellina</i>	Moschatel	flowering plant	31/12/1992	06/05/2006	5
<i>Sambucus nigra</i>	Elder	flowering plant	30/06/1984	16/04/2010	24
<i>Viburnum lantana</i>	Wayfaring-tree	flowering plant	31/07/2004	-	1
<i>Viburnum opulus</i>	Guelder-rose	flowering plant	30/06/1984	18/07/2008	7
<i>Symphoricarpos albus</i>	Snowberry	flowering plant	06/06/2007	10/07/2011	2
<i>Leycesteria formosa</i>	Himalayan Honeysuckle	flowering plant	18/09/2010	06/04/2011	2
<i>Lonicera japonica</i>	Japanese Honeysuckle	flowering plant	14/04/2007	-	1
<i>Lonicera nitida</i>	Wilson's Honeysuckle	flowering plant	31/12/1992	10/08/2011	3
<i>Lonicera periclymenum</i>	Honeysuckle	flowering plant	30/06/1984	16/04/2010	21
<i>Valerianella carinata</i>	Keeled-fruited Cornsalad	flowering plant	31/12/2009	18/09/2010	3
<i>Valeriana officinalis</i>	Common Valerian	flowering plant	01/06/1988	-	1
<i>Centranthus ruber</i>	Red valerian	flowering plant	31/12/2006	31/12/2007	4
<i>Dipsacus fullonum</i>	Wild Teasel	flowering plant	31/12/1992	06/05/2006	6
<i>Dipsacus fullonum</i>	Wild Teasel	flowering plant	16/04/2010	-	2
<i>Dipsacus pilosus</i>	Small Teasel	flowering plant	31/07/2004	-	1
<i>Knautia arvensis</i>	Field Scabious	flowering plant	31/12/2006	-	1
<i>Succisa pratensis</i>	Devil's-bit Scabious	flowering plant	31/12/1992	31/08/2004	3
<i>Hedera helix</i>	Ivy	flowering plant	30/06/1984	16/04/2010	41
<i>Sanicula europaea</i>	Sanicle	flowering plant	01/06/1988	21/08/2008	11
<i>Astrantia major</i>	Astrantia	flowering plant	14/06/2008	-	1
<i>Chaerophyllum temulum</i>	Rough Chervil	flowering plant	31/12/1992	31/12/2007	4
<i>Anthriscus caucalis</i>	Bur Chervil	flowering plant	08/05/2011	-	1

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<i>Anthriscus sylvestris</i>	Cow Parsley	flowering plant	27/04/1992	16/04/2010	13
<i>Scandix pecten-veneris</i>	Shepherd's-needle	flowering plant	31/12/1979	-	2
<i>Smyrniolus olusatrum</i>	Alexanders	flowering plant	31/12/2005	-	1
<i>Conopodium majus</i>	Pignut	flowering plant	30/06/1984	06/05/2006	6
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	flowering plant	31/08/2004	31/12/2006	3
<i>Aegopodium podagraria</i>	Ground-elder	flowering plant	31/12/1992	31/12/2005	4
<i>Sium latifolium</i>	Greater Water-parsnip	flowering plant	31/12/1978	-	1
<i>Berula erecta</i>	Lesser Water-parsnip	flowering plant	31/12/1992	01/07/2011	3
<i>Oenanthe crocata</i>	Hemlock Water-dropwort	flowering plant	30/06/1984	06/05/2006	9
<i>Oenanthe fistulosa</i>	Tubular Water-dropwort	flowering plant	31/08/2004	-	1
<i>Aethusa cynapium</i>	Fool's Parsley	flowering plant	31/08/2004	09/08/2011	3
<i>Foeniculum vulgare</i>	Fennel	flowering plant	04/10/2005	06/05/2006	3
<i>Silaum silaus</i>	Pepper-saxifrage	flowering plant	31/08/2004	-	1
<i>Conium maculatum</i>	Hemlock	flowering plant	23/04/2005	31/12/2007	3
<i>Apium graveolens</i>	Wild Celery	flowering plant	31/12/1982	-	1
<i>Apium nodiflorum</i>	Fool's-water-cress	flowering plant	31/12/1992	08/09/2012	11
<i>Petroselinum segetum</i>	Corn Parsley	flowering plant	24/07/2006	31/12/2007	4
<i>Sison amomum</i>	Stone Parsley	flowering plant	31/12/1992	31/12/2005	3
<i>Angelica sylvestris</i>	Wild Angelica	flowering plant	30/06/1984	18/09/2010	8
<i>Pastinaca sativa</i>	Wild Parsnip	flowering plant	31/07/2004	31/08/2004	2
<i>Heracleum sphondylium</i>	Hogweed	flowering plant	30/06/1984	16/04/2010	16
<i>Torilis arvensis</i>	Spreading Hedge-parsley	flowering plant	13/09/2009	-	1
<i>Torilis japonica</i>	Upright Hedge-parsley	flowering plant	31/12/1992	31/12/2008	4
<i>Torilis nodosa</i>	Knotted Hedge-parsley	flowering plant	29/05/2007	07/06/2009	2
<i>Daucus carota</i>	Carrot	flowering plant	31/08/2004	31/12/2007	3
<i>Daucus carota subsp. carota</i>	Wild Carrot	flowering plant	06/05/2006	18/09/2010	3
<i>Lithospermum officinale</i>	Common Gromwell	flowering plant	31/07/2004	-	1
<i>Echium vulgare</i>	Viper's-bugloss	flowering plant	08/08/2011	-	1
<i>Pulmonaria officinalis</i>	Lungwort	flowering plant	06/04/2011	-	1
<i>Symphytum officinale</i>	Common Comfrey	flowering plant	31/12/2007	-	1
<i>Symphytum officinale x asperum = S. x uplan</i>	Russian Comfrey	flowering plant	31/12/2005	16/11/2011	4
<i>Symphytum orientale</i>	White Comfrey	flowering plant	21/04/2006	09/04/2010	3
<i>Pentaglottis sempervirens</i>	Green Alkanet	flowering plant	14/05/2003	31/12/2007	6
<i>Myosotis arvensis</i>	Field Forget-me-not	flowering plant	31/12/1992	06/05/2006	8
<i>Myosotis discolor</i>	Changing Forget-me-not	flowering plant	31/12/2007	25/05/2009	2
<i>Myosotis scorpioides</i>	Water Forget-me-not	flowering plant	22/04/2005	08/09/2012	8
<i>Myosotis scorpioides x laxa = M. x suzae</i>	Forget-Me-Not	flowering plant	09/11/2000	-	1
<i>Myosotis sylvatica</i>	Wood Forget-me-not	flowering plant	06/05/2005	19/09/2011	7
<i>Phacelia tanacetifolia</i>	Phacelia	flowering plant	14/06/2009	-	1
<i>Chlorophyta / Chaetophorales, Chlorosarcinal</i>		alga	08/09/2012	-	1
<i>Annelida</i>	Worms	annelid	08/09/2012	-	1
<i>Hirudinea</i>	Leech	annelid	08/09/2012	-	1
<i>Alboglossiphonia heteroclita</i>		annelid	08/09/2012	-	1
<i>Micrommata virescens</i>	Green Spider	spider (Araneae)	19/09/1990	-	1

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<i>Misumena vatia</i>		spider (Araneae)	06/05/2005	-	1
<i>Aceria pseudoplatani</i>		acarine (Acari)	31/07/2011	31/08/2011	2
<i>Daphnia</i>		crustacean	08/09/2012	-	1
<i>Daphnia (Daphnia)</i>		crustacean	08/09/2012	-	2
<i>Gammarus</i>	Freshwater Shrimp (Gammarus)	crustacean	08/09/2012	-	1
<i>Gammarus pulex</i>		crustacean	08/09/2012	-	2
<i>Armadillidium vulgare</i>	Common Pill Woodlouse	crustacean	08/07/1997	23/09/2006	2
<i>Asellus aquaticus</i>	Water hog lice/slaters	crustacean	08/09/2012	-	1
<i>Oniscus asellus</i>		crustacean	08/07/1997	-	1
<i>Philoscia muscorum</i>		crustacean	08/07/1997	-	1
<i>Trichoniscus pusillus</i>		crustacean	08/07/1997	-	1
<i>Ostracoda</i>		crustacean	08/09/2012	-	1
<i>Saprosites mendax</i>		insect - beetle (Coleoptera)	19/09/1990	-	1
<i>Aspidapion (Aspidapion) radiolus</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Cicindela campestris</i>	Green Tiger Beetle	insect - beetle (Coleoptera)	31/12/2000	-	1
<i>Anaglyptus mysticus</i>		insect - beetle (Coleoptera)	02/06/2012	-	1
<i>Clytus arietis</i>	Wasp Beetle	insect - beetle (Coleoptera)	02/06/2012	-	1
<i>Leptura aurulenta</i>		insect - beetle (Coleoptera)	19/09/1990	-	1
<i>Phymatodes testaceus</i>	Tanbark Borer	insect - beetle (Coleoptera)	31/07/1997	-	1
<i>Pogonocherus hispidulus</i>		insect - beetle (Coleoptera)	02/06/2012	-	1
<i>Rutpela maculata</i>		insect - beetle (Coleoptera)	08/07/1997	-	1
<i>Cerylon fagi</i>		insect - beetle (Coleoptera)	31/08/1983	31/12/1983	2
<i>Aphthona melancholica</i>		insect - beetle (Coleoptera)	08/07/1997	-	2
<i>Cryptocephalus pusillus</i>		insect - beetle (Coleoptera)	08/07/1997	-	2
<i>Gastrophysa polygoni</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Phaedon tumidulus</i>	Celery Leaf Beetle	insect - beetle (Coleoptera)	08/07/1997	-	1
<i>Phyllotreta nemorum</i>	Large Striped Flea Beetle	insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Adalia decempunctata</i>	10-spot Ladybird	insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Calvia quattuordecimguttata</i>	Cream-spot Ladybird	insect - beetle (Coleoptera)	28/08/2010	-	1
<i>Coccinella septempunctata</i>	7-spot Ladybird	insect - beetle (Coleoptera)	30/04/1977	31/12/2000	2
<i>Exochomus quadripustulatus</i>	Pine Ladybird	insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Halyzia sedecimguttata</i>	Orange Ladybird	insect - beetle (Coleoptera)	17/06/2003	21/07/2006	2
<i>Nephus redtenbacheri</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Micrambe vini</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Amalus scortillum</i>		insect - beetle (Coleoptera)	30/04/1977	-	2
<i>Barypeithes (Exomias) pellucidus</i>	Hairy Spider Weevil	insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Ceutorhynchus erysimi</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Ceutorhynchus obstrictus</i>	Cabbage Seed Weevil	insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Coeliodes rana</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Hypera (Erirnomorphus) rumicis</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Mecinus pyraeter</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Phloeophagus lignarius</i>		insect - beetle (Coleoptera)	31/07/1997	-	1
<i>Phyllobius (Phyllobius) pyri</i>	Common Leaf Weevil	insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Polydrusus (Neoeustolus) cervinus</i>		insect - beetle (Coleoptera)	30/04/1977	-	2

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<i>Rhinoncus pericarpus</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Sitona (Sitona) regensteiniensis</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Trichosirocalus troglodytes</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Dytiscus</i>		insect - beetle (Coleoptera)	08/09/2012	-	2
<i>Athous (Orthathous) bicolor</i>		insect - beetle (Coleoptera)	08/07/1997	-	1
<i>Stenagostus rhombeus</i>		insect - beetle (Coleoptera)	31/07/1997	-	1
<i>Lampyrus noctiluca</i>	Glow-worm	insect - beetle (Coleoptera)	31/12/1990	08/07/2010	2
<i>Dorcus parallelipipedus</i>	Lesser Stag Beetle	insect - beetle (Coleoptera)	02/06/2012	-	1
<i>Orchesia undulata</i>		insect - beetle (Coleoptera)	31/07/1997	-	1
<i>Melolontha melolontha</i>	Common Cockchafer	insect - beetle (Coleoptera)	10/05/2008	-	1
<i>Mordella holomelaena</i>		insect - beetle (Coleoptera)	10/06/1985	19/09/1990	2
<i>Tomoxia bucephala</i>		insect - beetle (Coleoptera)	19/09/1990	-	1
<i>Omosita discoidea</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Oedemera (Oedemera) lurida</i>		insect - beetle (Coleoptera)	08/07/1997	-	1
<i>Oedemera (Oedemera) nobilis</i>	Swollen-thighed Beetle	insect - beetle (Coleoptera)	08/07/1997	-	1
<i>Pyrochroa coccinea</i>	Black-headed Cardinal Beetle	insect - beetle (Coleoptera)	10/06/1985	19/05/1999	3
<i>Neocoenorrhinus aeneovirens</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Neocoenorrhinus germanicus</i>	Strawberry Rhynchites	insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Metopsia clypeata</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Ocypus (Ocypus) olens</i>	Devil's Coach-horse	insect - beetle (Coleoptera)	08/07/1997	-	1
<i>Philorinum sordidum</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Stenus (Hemistenus) ossium</i>		insect - beetle (Coleoptera)	30/04/1977	-	1
<i>Laphria marginata</i>		insect - true fly (Diptera)	08/07/1984	-	1
<i>Bombylius major</i>	Dark-edged Bee-fly	insect - true fly (Diptera)	31/12/2000	28/05/2006	2
<i>Chaoborus crystallinus</i>		insect - true fly (Diptera)	08/09/2012	-	2
<i>Chironomus</i>		insect - true fly (Diptera)	08/09/2012	-	2
<i>Conops strigatus</i>		insect - true fly (Diptera)	26/08/1985	-	1
<i>Culex</i>		insect - true fly (Diptera)	08/09/2012	-	2
<i>Simulium ornatum complex</i>		insect - true fly (Diptera)	31/12/2002	-	1
<i>Simulium vernum complex</i>		insect - true fly (Diptera)	31/12/2002	-	1
<i>Simulium angustipes</i>		insect - true fly (Diptera)	31/12/2002	-	1
<i>Simulium lundstromi</i>		insect - true fly (Diptera)	31/12/2002	-	1
<i>Criorhina berberina</i>		insect - true fly (Diptera)	31/07/1997	-	1
<i>Criorhina ranunculi</i>		insect - true fly (Diptera)	04/04/1999	-	1
<i>Neocnemodon latitarsis</i>		insect - true fly (Diptera)	15/08/1988	-	1
<i>Pipizella virens</i>		insect - true fly (Diptera)	19/05/1999	-	1
<i>Volucella inflata</i>		insect - true fly (Diptera)	24/07/1984	-	1
<i>Gymnosoma rotundatum</i>		insect - true fly (Diptera)	08/08/1999	-	1
<i>Tephritis formosa</i>		insect - true fly (Diptera)	08/08/2003	-	1
<i>Ephemeroptera</i>	Mayflies (Olives etc)	insect - mayfly (Ephemeroptera)	08/09/2012	-	2
<i>Aradus aterrimus</i>		insect - true bug (Hemiptera)	31/12/1977	19/09/1990	2
<i>Ceraleptus lividus</i>		insect - true bug (Hemiptera)	02/06/2007	-	1
<i>Corixidae</i>	Lesser Water-Boatman	insect - true bug (Hemiptera)	08/09/2012	-	2
<i>Gerris</i>	Pondskater	insect - true bug (Hemiptera)	31/12/2000	-	1

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<i>Gerris (Gerris)</i>		insect - true bug (Hemiptera)	08/09/2012	-	2
<i>Notonecta (Notonecta)</i>		insect - true bug (Hemiptera)	08/09/2012	-	1
<i>Notonecta (Notonecta) glauca</i>	Common Backswimmer	insect - true bug (Hemiptera)	31/12/2000	08/09/2012	2
<i>Carpocoris purpureipennis</i>		insect - true bug (Hemiptera)	19/05/2007	-	1
<i>Pentatoma rufipes</i>	Forest Bug	insect - true bug (Hemiptera)	21/07/2006	-	1
<i>Andrena (Andrena) apicata</i>		insect - hymenopteran	02/03/1974	20/03/2009	28
<i>Andrena (Andrena) clarkella</i>		insect - hymenopteran	31/12/1985	20/03/2009	21
<i>Andrena (Andrena) fucata</i>		insect - hymenopteran	24/05/1894	31/12/1989	20
<i>Andrena (Andrena) fulva</i>	Tawny Mining Bee	insect - hymenopteran	22/04/1979	12/04/1998	9
<i>Andrena (Andrena) helvola</i>		insect - hymenopteran	10/06/1979	28/04/1998	15
<i>Andrena (Andrena) praecox</i>		insect - hymenopteran	31/12/1989	04/04/1999	6
<i>Andrena (Andrena) synadelpha</i>		insect - hymenopteran	10/06/1979	31/12/1989	4
<i>Andrena (Andrena) varians</i>		insect - hymenopteran	31/12/1985	-	1
<i>Andrena (Cnemidandrena) denticulata</i>		insect - hymenopteran	06/08/1974	31/12/1989	13
<i>Andrena (Euandrena) bicolor</i>	Gwynne's Mining Bee	insect - hymenopteran	30/03/1974	20/03/2009	55
<i>Andrena (Hoplendrena) bucephala</i>		insect - hymenopteran	03/06/1978	22/05/2000	12
<i>Andrena (Hoplendrena) scotica</i>		insect - hymenopteran	11/06/1978	19/05/1999	18
<i>Andrena (Hoplendrena) trimmerana</i>	Trimmer's Mining Bee	insect - hymenopteran	30/03/1974	20/03/2009	17
<i>Andrena (Leucandrena) argentata</i>		insect - hymenopteran	08/08/1984	31/12/1989	7
<i>Andrena (Leucandrena) barbilabris</i>		insect - hymenopteran	29/05/1975	23/05/2000	33
<i>Andrena (Melandrena) nigroaenea</i>		insect - hymenopteran	30/03/1974	19/05/1999	20
<i>Andrena (Melandrena) nitida</i>		insect - hymenopteran	22/04/1979	19/05/1999	14
<i>Andrena (Micrandrena) minutula</i>		insect - hymenopteran	16/04/1973	20/03/2009	68
<i>Andrena (Micrandrena) semilaevis</i>		insect - hymenopteran	20/06/1982	31/12/1989	16
<i>Andrena (Micrandrena) subopaca</i>		insect - hymenopteran	30/03/1974	10/07/2008	40
<i>Andrena (Notandrena) chrysoceles</i>		insect - hymenopteran	11/06/1978	19/05/1999	16
<i>Andrena (Plastandrena) bimaculata</i>		insect - hymenopteran	01/07/1979	20/03/2009	44
<i>Andrena (Poliandrena) florea</i>		insect - hymenopteran	22/05/2000	-	1
<i>Andrena (Ptilandrena) angustior</i>		insect - hymenopteran	10/06/1979	31/12/1989	6
<i>Andrena (Simandrena) congruens</i>		insect - hymenopteran	16/04/1974	01/05/1997	41
<i>Andrena (Simandrena) dorsata</i>		insect - hymenopteran	06/08/1974	05/04/2009	35
<i>Andrena (Taeniandrena) ovatula</i>		insect - hymenopteran	16/04/1974	25/05/1996	16
<i>Andrena (Taeniandrena) wilkella</i>		insect - hymenopteran	03/06/1978	31/12/1989	7
<i>Andrena (Trachandrena) haemorrhhoa</i>	Early Mining Bee	insect - hymenopteran	17/06/1978	19/05/1999	14
<i>Andrena (Zonandrena) flavipes</i>	Yellow Legged Mining Bee	insect - hymenopteran	22/04/1979	05/04/2009	24
<i>Anthophora (Anthophora) plumipes</i>	Hairy Footed Flower Bee	insect - hymenopteran	01/01/1915	20/03/2009	2
<i>Anthophora (Clisodon) furcata</i>	Fork Tailed Flower Bee	insect - hymenopteran	08/07/1979	31/12/1989	9
<i>Anthophora (Heliophila) bimaculata</i>		insect - hymenopteran	31/12/1985	-	1
<i>Apis mellifera</i>	Honey Bee	insect - hymenopteran	11/03/2007	05/04/2009	3
<i>Bombus (Bombus) lucorum</i>	White-Tailed Bumble Bee	insect - hymenopteran	31/12/1985	31/12/1989	3
<i>Bombus (Bombus) terrestris</i>	Buff-Tailed Bumble Bee	insect - hymenopteran	06/08/1974	05/04/2009	26
<i>Bombus (Megabombus) hortorum</i>	Small Garden Bumble Bee	insect - hymenopteran	18/04/1976	05/04/2009	15
<i>Bombus (Melanobombus) lapidarius</i>	Large Red Tailed Bumble Bee	insect - hymenopteran	10/03/1984	30/03/2009	25
<i>Bombus (Psithyrus) bohemicus</i>	Gipsy Cuckoo Bee	insect - hymenopteran	22/04/1979	31/12/1989	3

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Bombus (Psithyrus) campestris</i>	Field Cuckoo Bee	insect - hymenopteran	26/05/1997	-	1
<i>Bombus (Psithyrus) rupestris</i>	Hill Cuckoo Bee	insect - hymenopteran	06/05/1995	23/03/2004	5
<i>Bombus (Psithyrus) sylvestris</i>	Four Coloured Cuckoo Bee	insect - hymenopteran	12/04/1982	22/03/1998	11
<i>Bombus (Psithyrus) vestalis</i>	Vestal Cuckoo Bee	insect - hymenopteran	29/05/1975	05/04/2009	20
<i>Bombus (Pyrobombus) hypnorum</i>	Tree Bumblebee	insect - hymenopteran	26/03/2010	23/09/2010	2
<i>Bombus (Pyrobombus) pratorum</i>	Early Bumble Bee	insect - hymenopteran	24/08/1979	05/04/2009	20
<i>Bombus (Thoracobombus) pascuorum</i>	Common Carder Bee	insect - hymenopteran	25/08/1976	05/04/2009	29
<i>Bombus (Thoracobombus) rudericus</i>	Red-shanked Carder-bee	insect - hymenopteran	18/04/1976	22/03/1997	5
<i>Ceratina (Euceratina) cyanea</i>	Blue Carpenter Bee	insect - hymenopteran	16/02/1974	28/08/1999	20
<i>Chelostoma campanularum</i>	Harebell Carpenter Bee	insect - hymenopteran	14/08/1984	08/07/1997	4
<i>Colletes (Colletes) daviesanus</i>		insect - hymenopteran	31/12/1985	-	1
<i>Colletes (Colletes) fodiens</i>		insect - hymenopteran	23/07/1979	31/12/1989	5
<i>Colletes (Colletes) similis</i>		insect - hymenopteran	08/07/1984	31/12/1989	4
<i>Epeolus cruciger</i>		insect - hymenopteran	08/08/1984	-	1
<i>Epeolus variegatus</i>		insect - hymenopteran	27/08/1980	31/12/1989	7
<i>Halictus (Halictus) rubicundus</i>		insect - hymenopteran	18/04/1976	28/08/1999	7
<i>Halictus (Seladonia) tumulorum</i>		insect - hymenopteran	15/06/1974	19/05/1999	15
<i>Hoplitis (Anthocopa) spinulosa</i>		insect - hymenopteran	07/08/2000	-	1
<i>Hylaeus (Hylaeus) communis</i>	Common Yellow Face Bee	insect - hymenopteran	22/07/1979	10/07/2008	18
<i>Hylaeus (Lamdopsis) dilatatus</i>		insect - hymenopteran	26/06/1974	08/07/1997	12
<i>Hylaeus (Prosopis) brevicornis</i>	Short Horned Yellow-Face Bee	insect - hymenopteran	23/06/1984	10/07/2008	13
<i>Hylaeus (Prosopis) confusus</i>		insect - hymenopteran	12/06/1984	10/07/2008	8
<i>Hylaeus (Spatulariella) hyalinatus</i>		insect - hymenopteran	23/06/1985	31/12/1989	3
<i>Lasioglossum (Dialictus) leucopus</i>		insect - hymenopteran	15/06/1974	06/05/1995	10
<i>Lasioglossum (Dialictus) morio</i>	Brassy Mining Bee	insect - hymenopteran	10/06/1979	28/08/1999	12
<i>Lasioglossum (Evylaeus) albipes</i>		insect - hymenopteran	15/06/1974	31/12/1989	13
<i>Lasioglossum (Evylaeus) brevicorne</i>		insect - hymenopteran	31/12/1978	31/12/1989	2
<i>Lasioglossum (Evylaeus) calceatum</i>	Slender Mining Bee	insect - hymenopteran	08/08/1974	28/08/1999	11
<i>Lasioglossum (Evylaeus) fulvicorne</i>		insect - hymenopteran	11/06/1978	28/08/1999	7
<i>Lasioglossum (Evylaeus) malachurum</i>		insect - hymenopteran	31/07/1985	19/05/1999	6
<i>Lasioglossum (Evylaeus) minutissimum</i>	Least Mining Bee	insect - hymenopteran	15/06/1974	08/08/1999	17
<i>Lasioglossum (Evylaeus) nitidiusculum</i>	Neat Mining Bee	insect - hymenopteran	16/04/1977	31/12/1989	6
<i>Lasioglossum (Evylaeus) parvulum</i>		insect - hymenopteran	30/03/1974	26/05/1997	34
<i>Lasioglossum (Evylaeus) pauxillum</i>		insect - hymenopteran	23/06/1984	28/08/1999	6
<i>Lasioglossum (Evylaeus) punctatissimum</i>		insect - hymenopteran	29/05/1975	01/06/1996	18
<i>Lasioglossum (Evylaeus) semilucens</i>		insect - hymenopteran	19/05/1999	-	2
<i>Lasioglossum (Evylaeus) villosulum</i>	Shaggy Mining Bee	insect - hymenopteran	20/06/1982	10/07/2008	9
<i>Lasioglossum (Lasioglossum) laevigatum</i>		insect - hymenopteran	25/05/1996	19/05/1999	3
<i>Lasioglossum (Lasioglossum) lativentre</i>		insect - hymenopteran	12/05/1984	31/12/1989	3
<i>Lasioglossum (Lasioglossum) leucozonium</i>		insect - hymenopteran	25/08/1976	31/12/1989	7
<i>Lasioglossum (Lasioglossum) quadrinotatum</i>		insect - hymenopteran	04/08/1996	-	1
<i>Lasioglossum (Lasioglossum) zonulum</i>		insect - hymenopteran	02/07/1984	31/12/1989	2
<i>Megachile (Delomegachile) willughbiella</i>	Willughby's Leaf-Cutter Bee	insect - hymenopteran	22/07/1979	31/12/1989	6
<i>Megachile (Megachile) ligniseca</i>	Wood-Carving Leaf-Cutter Bee	insect - hymenopteran	13/07/1986	-	1

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<i>Megachile (Megachile) versicolor</i>		insect - hymenopteran	23/06/1985	10/07/2008	11
<i>Megachile (Xanthosarus) maritima</i>	Coastal Leaf-Cutter Bee	insect - hymenopteran	22/07/1979	31/12/1989	4
<i>Nomada fabriciana</i>	Fabricius' Nomad Bee	insect - hymenopteran	30/03/1974	20/03/2009	26
<i>Nomada flava</i>		insect - hymenopteran	03/06/1978	19/05/1999	22
<i>Nomada flavoguttata</i>		insect - hymenopteran	06/08/1974	05/04/2009	34
<i>Nomada fucata</i>		insect - hymenopteran	06/05/1995	19/05/1999	8
<i>Nomada fulvicornis</i>	6-Banded Nomad Bee	insect - hymenopteran	06/05/1995	01/05/1997	11
<i>Nomada goodeniana</i>	Gooden's Nomad Bee	insect - hymenopteran	29/05/1975	19/05/1999	20
<i>Nomada hirtipes</i>		insect - hymenopteran	01/06/1996	19/05/1999	9
<i>Nomada leucophthalma</i>		insect - hymenopteran	22/04/1979	20/03/2009	26
<i>Nomada marshamella</i>	Marsham's Nomad Bee	insect - hymenopteran	29/05/1975	05/04/2009	25
<i>Nomada panzeri</i>		insect - hymenopteran	17/06/1978	19/05/1999	15
<i>Nomada ruficornis</i>	Red-Horned Nomad Bee	insect - hymenopteran	17/06/1978	19/05/1999	8
<i>Nomada rufipes</i>	Golden-Rod Nomad Bee	insect - hymenopteran	08/08/1984	04/08/1996	6
<i>Nomada sheppardana</i>	Dark Nomad Bee	insect - hymenopteran	15/06/1974	19/05/1999	14
<i>Osmia (Chalcosmia) caerulea</i>	Blue Mason Bee	insect - hymenopteran	08/07/1984	18/05/1997	4
<i>Osmia (Melanosmia) pilicornis</i>	Fringe Horned Mason Bee	insect - hymenopteran	22/04/1979	26/05/1997	6
<i>Osmia (Neosmia) bicolor</i>	Two-coloured Mason Bee	insect - hymenopteran	22/04/1979	05/04/2009	13
<i>Sphecodes crassus</i>		insect - hymenopteran	28/08/1999	-	2
<i>Sphecodes ephippius</i>		insect - hymenopteran	11/06/1978	19/05/1999	25
<i>Sphecodes geoffrellus</i>		insect - hymenopteran	24/07/1984	28/08/1999	18
<i>Sphecodes gibbus</i>		insect - hymenopteran	22/04/1980	19/05/1999	6
<i>Sphecodes longulus</i>		insect - hymenopteran	03/06/1978	31/12/1989	11
<i>Sphecodes monilicornis</i>		insect - hymenopteran	21/06/1975	26/05/1997	9
<i>Sphecodes niger</i>		insect - hymenopteran	28/08/1999	-	2
<i>Sphecodes pellucidus</i>		insect - hymenopteran	15/06/1974	28/08/1999	35
<i>Sphecodes puncticeps</i>		insect - hymenopteran	02/08/1898	31/12/1989	5
<i>Sphecodes reticulatus</i>		insect - hymenopteran	29/08/1984	31/12/1989	3
<i>Sphecodes rubicundus</i>		insect - hymenopteran	19/05/1999	-	2
<i>Sphecodes scabricollis</i>		insect - hymenopteran	02/09/1986	19/09/1990	3
<i>Chrysis angustula</i>		insect - hymenopteran	31/12/1989	30/05/1990	2
<i>Chrysis impressa</i>		insect - hymenopteran	11/06/1984	30/05/1990	8
<i>Chrysis mediata</i>		insect - hymenopteran	31/12/1989	30/05/1990	2
<i>Elampus panzeri</i>		insect - hymenopteran	20/06/1982	31/12/1989	3
<i>Hedychridium ardens</i>		insect - hymenopteran	03/06/1978	31/12/1989	7
<i>Hedychridium roseum</i>		insect - hymenopteran	28/08/1999	-	1
<i>Pseudomalus auratus</i>		insect - hymenopteran	08/07/1984	31/12/1989	2
<i>Trichrysis cyanea</i>		insect - hymenopteran	03/06/1978	08/08/1999	6
<i>Argogorytes mystaceus</i>	Field Digger Wasp	insect - hymenopteran	17/06/1978	19/05/1999	6
<i>Astata boops</i>		insect - hymenopteran	18/06/1978	28/08/1999	11
<i>Cerceris arenaria</i>	Sand Tailed Digger Wasp	insect - hymenopteran	22/07/1979	08/08/1999	9
<i>Cerceris ruficornis</i>		insect - hymenopteran	20/06/1982	31/12/1989	3
<i>Cerceris rybyensis</i>	Ornate Tailed Digger Wasp	insect - hymenopteran	22/07/1979	10/07/2008	9
<i>Crabro peltarius</i>		insect - hymenopteran	11/06/1978	26/05/1997	18

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<i>Crossocerus (Ablepharipus) podagricus</i>		insect - hymenopteran	31/12/1985	10/07/2008	7
<i>Crossocerus (Blepharipus) annulipes</i>		insect - hymenopteran	24/08/1979	31/12/1989	4
<i>Crossocerus (Blepharipus) cetratus</i>		insect - hymenopteran	31/12/1989	30/05/1990	2
<i>Crossocerus (Blepharipus) leucostomus</i>	White Mouthed Digger Wasp	insect - hymenopteran	31/12/1985	-	1
<i>Crossocerus (Blepharipus) megacephalus</i>		insect - hymenopteran	14/06/1983	30/05/1990	4
<i>Crossocerus (Blepharipus) nigritus</i>		insect - hymenopteran	17/06/1984	31/12/1989	4
<i>Crossocerus (Crossocerus) elongatulus</i>	Slender Digger Wasp	insect - hymenopteran	17/06/1984	31/12/1989	2
<i>Crossocerus (Crossocerus) exiguus</i>		insect - hymenopteran	21/06/1975	28/08/1999	18
<i>Crossocerus (Crossocerus) ovalis</i>		insect - hymenopteran	10/06/1979	19/05/1999	7
<i>Crossocerus (Crossocerus) pusillus</i>		insect - hymenopteran	24/08/1979	28/08/1999	9
<i>Crossocerus (Crossocerus) wesmaeli</i>	Wesmael's Digger Wasp	insect - hymenopteran	15/06/1974	28/08/1999	13
<i>Crossocerus (Cuphopterus) binotatus</i>		insect - hymenopteran	31/07/1997	-	1
<i>Crossocerus (Hoplocrabro) quadrimaculatus</i>	4-Spotted Digger Wasp	insect - hymenopteran	06/05/1974	07/08/2000	13
<i>Diodontus luperus</i>		insect - hymenopteran	15/06/1974	28/08/1999	8
<i>Diodontus minutus</i>	Minute Black Wasp	insect - hymenopteran	15/06/1974	28/08/1999	16
<i>Dryudella pinguis</i>		insect - hymenopteran	27/08/1980	31/12/1989	3
<i>Ectemnius (Clytochrysus) cavifrons</i>		insect - hymenopteran	17/06/1984	31/12/1989	2
<i>Ectemnius (Ectemnius) borealis</i>		insect - hymenopteran	08/08/1984	30/05/1990	6
<i>Ectemnius (Hypocrabro) continuus</i>		insect - hymenopteran	17/06/1984	10/07/2008	8
<i>Ectemnius (Metacrabro) cephalotes</i>		insect - hymenopteran	03/09/1980	31/12/1989	3
<i>Ectemnius (Metacrabro) lituratus</i>		insect - hymenopteran	31/07/1983	10/07/2008	8
<i>Entomognathus brevis</i>		insect - hymenopteran	15/06/1974	10/07/2008	10
<i>Harpactus tumidus</i>		insect - hymenopteran	08/08/1999	-	1
<i>Lindenius albilabris</i>		insect - hymenopteran	06/08/1974	10/07/2008	11
<i>Lindenius panzeri</i>		insect - hymenopteran	20/06/1982	31/12/1989	2
<i>Mellinus arvensis</i>	Field Digger Wasp	insect - hymenopteran	06/08/1974	28/08/1999	5
<i>Mimesa bruxellensis</i>		insect - hymenopteran	31/12/1985	-	1
<i>Mimesa equestris</i>		insect - hymenopteran	10/07/1984	28/08/1999	8
<i>Mimesa lutaria</i>		insect - hymenopteran	21/06/1975	30/05/1990	8
<i>Mimumesa dahlbomi</i>		insect - hymenopteran	15/08/1988	31/12/1989	2
<i>Nysson spinosus</i>	Large Spurred Digger Wasp	insect - hymenopteran	14/06/1983	31/12/1989	4
<i>Nysson trimaculatus</i>		insect - hymenopteran	27/08/1980	31/12/1989	4
<i>Oxybelus uniglumis</i>	Common Spiny Digger Wasp	insect - hymenopteran	21/06/1975	26/05/1997	15
<i>Passaloecus corniger</i>	Horned Black Wasp	insect - hymenopteran	22/07/1979	30/05/1990	8
<i>Passaloecus eremita</i>		insect - hymenopteran	23/06/1984	24/08/1984	3
<i>Passaloecus gracilis</i>		insect - hymenopteran	17/06/1984	30/05/1990	5
<i>Passaloecus insignis</i>		insect - hymenopteran	20/06/1982	31/12/1989	6
<i>Passaloecus singularis</i>		insect - hymenopteran	17/06/1984	31/12/1989	4
<i>Passaloecus turionum</i>		insect - hymenopteran	31/07/1984	-	3
<i>Pemphredon (Cemonus) inornata</i>	Shuckard's Wasp	insect - hymenopteran	19/05/1999	-	1
<i>Pemphredon (Cemonus) lethifera</i>	Little Black Wasp	insect - hymenopteran	02/06/1974	08/07/1999	6
<i>Pemphredon (Ceratophorus) morio</i>		insect - hymenopteran	31/12/1989	-	1
<i>Pemphredon (Pemphredon) lugubris</i>	Mournful Wasp	insect - hymenopteran	22/07/1979	26/05/1997	6
<i>Philanthus triangulum</i>	Bee Wolf	insect - hymenopteran	04/08/1996	08/08/1999	3

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<i>Psenulus pallipes</i>	Pale Footed Black Wasp	insect - hymenopteran	17/06/1984	30/05/1990	4
<i>Spilomena beata</i>		insect - hymenopteran	30/05/1990	-	1
<i>Spilomena troglodytes</i>		insect - hymenopteran	31/12/1989	30/05/1990	2
<i>Stigmus solskyi</i>		insect - hymenopteran	22/07/1979	31/12/1989	2
<i>Tachysphex nitidus</i>		insect - hymenopteran	11/06/1978	-	1
<i>Tachysphex pompiliformis</i>		insect - hymenopteran	21/06/1975	04/08/1996	12
<i>Tachysphex unicolor</i>		insect - hymenopteran	31/12/1985	31/12/1989	2
<i>Trypoxylon attenuatum</i>	Slender Wood Borer Wasp	insect - hymenopteran	17/06/1982	31/12/1989	2
<i>Trypoxylon clavicerum</i>	Club Horned Wood Borer Wasp	insect - hymenopteran	08/08/1984	30/05/1990	5
<i>Trypoxylon figulus</i>	Black Wood Borer Wasp	insect - hymenopteran	31/12/1985	19/05/1999	2
<i>Andricus quercuscalicis</i>	Knopper Gall	insect - hymenopteran	20/10/2000	-	1
<i>Formica cunicularia</i>		insect - hymenopteran	17/06/1984	-	1
<i>Formica fusca</i>	Negro Ant	insect - hymenopteran	02/03/1974	30/03/2009	6
<i>Lasius niger</i>		insect - hymenopteran	20/06/1982	30/03/2009	4
<i>Lasius mixtus</i>		insect - hymenopteran	30/03/1974	-	1
<i>Lasius niger</i>	Small Black Ant	insect - hymenopteran	10/07/2008	-	1
<i>Leptothorax acervorum</i>	Slender Ant	insect - hymenopteran	30/03/1974	-	1
<i>Myrmica ruginodis</i>		insect - hymenopteran	10/07/2008	-	1
<i>Myrmica sabuleti</i>		insect - hymenopteran	28/08/1999	-	1
<i>Myrmica scabrinodis</i>		insect - hymenopteran	08/08/1999	-	1
<i>Ophion costatus</i>		insect - hymenopteran	10/05/2008	-	1
<i>Ophion minutus</i>		insect - hymenopteran	10/05/2008	-	1
<i>Ophion ventricosus</i>		insect - hymenopteran	10/05/2008	-	1
<i>Myrmica atra</i>	Black Headed Velvet Ant	insect - hymenopteran	22/07/1979	28/08/1999	7
<i>Smicromyrme rufipes</i>	Small Velvet Ant	insect - hymenopteran	31/12/1985	-	1
<i>Agenioideus cinctellus</i>		insect - hymenopteran	25/08/1976	19/05/1999	7
<i>Anoplius (Anoplius) nigerrimus</i>		insect - hymenopteran	17/06/1984	28/08/1999	15
<i>Anoplius (Arachnophroctonus) infuscatus</i>		insect - hymenopteran	15/06/1974	28/08/1999	12
<i>Anoplius (Arachnophroctonus) viaticus</i>	Black-banded Spider Wasp	insect - hymenopteran	16/04/1974	08/08/1999	39
<i>Aporus unicolor</i>		insect - hymenopteran	14/08/1984	31/12/1989	3
<i>Arachnospila (Ammosphex) anceps</i>		insect - hymenopteran	21/06/1975	31/12/1989	16
<i>Arachnospila (Ammosphex) trivialis</i>		insect - hymenopteran	25/08/1976	19/05/1999	7
<i>Arachnospila (Ammosphex) wesmaeli</i>		insect - hymenopteran	25/08/1976	28/08/1999	10
<i>Arachnospila (Anoplochares) minutula</i>		insect - hymenopteran	08/08/1999	-	2
<i>Arachnospila (Anoplochares) spissa</i>		insect - hymenopteran	14/06/1983	19/05/1999	9
<i>Auplopus carbonarius</i>		insect - hymenopteran	31/07/1984	31/12/1989	3
<i>Caliadurgus fasciatellus</i>		insect - hymenopteran	03/06/1978	19/05/1999	14
<i>Evagetes crassicornis</i>		insect - hymenopteran	03/06/1978	28/08/1999	14
<i>Pompilus cinereus</i>	Leaden Spider Wasp	insect - hymenopteran	21/06/1975	31/12/1989	9
<i>Priocnemis (Priocnemis) cordivalvata</i>		insect - hymenopteran	20/08/1984	28/08/1999	4
<i>Priocnemis (Priocnemis) exaltata</i>		insect - hymenopteran	08/08/1984	31/12/1989	5
<i>Priocnemis (Priocnemis) fennica</i>		insect - hymenopteran	17/06/1984	31/12/1989	11
<i>Priocnemis (Priocnemis) parvula</i>		insect - hymenopteran	21/06/1975	28/08/1999	12
<i>Priocnemis (Priocnemis) pusilla</i>		insect - hymenopteran	19/06/1983	31/12/1989	7

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Priocnemis (Umbripennis) coriacea</i>		insect - hymenopteran	14/06/1983	31/12/1989	4
<i>Priocnemis (Umbripennis) perturbator</i>		insect - hymenopteran	10/06/1979	19/05/1999	9
<i>Priocnemis (Umbripennis) susterai</i>		insect - hymenopteran	25/05/1985	-	1
<i>Ammophila sabulosa</i>	Red Banded Sand Wasp	insect - hymenopteran	15/06/1974	28/08/1999	16
<i>Tiphia femorata</i>		insect - hymenopteran	15/08/1988	13/08/2000	5
<i>Tiphia minuta</i>	Small Tiphia	insect - hymenopteran	17/06/1984	31/12/1989	4
<i>Ancistrocerus gazella</i>		insect - hymenopteran	08/07/1984	31/12/1989	5
<i>Ancistrocerus trifasciatus</i>		insect - hymenopteran	23/06/1984	31/12/1989	11
<i>Dolichovespula (Dolichovespula) media</i>		insect - hymenopteran	08/08/1999	-	1
<i>Dolichovespula (Pseudovespula) norwegica</i>	Norwegian Wasp	insect - hymenopteran	01/01/1910	-	1
<i>Dolichovespula (Pseudovespula) sylvestris</i>	Tree Wasp	insect - hymenopteran	22/07/1979	12/03/1995	7
<i>Eumenes coarctatus</i>	Heath Potter Wasp	insect - hymenopteran	08/07/1984	31/12/1989	3
<i>Microdynerus exilis</i>		insect - hymenopteran	08/07/1984	31/12/1989	4
<i>Symmorphus bifasciatus</i>		insect - hymenopteran	10/07/2008	-	1
<i>Symmorphus gracilis</i>		insect - hymenopteran	20/06/1982	31/12/1989	8
<i>Vespa (Paravespula) vulgaris</i>	Common Wasp	insect - hymenopteran	06/05/1995	25/05/1996	3
<i>Adela reaumurella</i>	Green Long-horn	insect - moth	16/05/2007	20/05/2010	2
<i>Nematopogon metaxella</i>	Buff Long-horn	insect - moth	12/06/2004	-	1
<i>Nematopogon schwarziellus</i>	Sandy Long-horn	insect - moth	30/05/1997	20/05/2010	4
<i>Nematopogon swammerdamella</i>	Large Long-horn	insect - moth	04/06/2005	19/04/2009	3
<i>Nemophora degeerella</i>	Yellow-barred Long-horn	insect - moth	28/05/2006	-	1
<i>Arctia villica</i>	Cream-spot Tiger	insect - moth	03/06/2004	20/05/2010	4
<i>Arctia villica subsp. britannica</i>	Cream-spot Tiger	insect - moth	04/06/2005	-	1
<i>Atolmis rubricollis</i>	Red-necked Footman	insect - moth	25/06/2001	12/06/2004	4
<i>Eilema complana</i>	Scarce Footman	insect - moth	31/12/1990	06/08/2005	4
<i>Eilema depressa</i>	Buff Footman	insect - moth	08/08/2003	06/08/2005	2
<i>Eilema griseola</i>	Dingy Footman	insect - moth	31/12/1990	08/07/2010	13
<i>Eilema lurideola</i>	Common Footman	insect - moth	31/12/1990	08/07/2010	10
<i>Eilema sororcula</i>	Orange Footman	insect - moth	27/06/2001	20/05/2010	9
<i>Lithosia quadra</i>	Four-spotted Footman	insect - moth	07/07/2006	-	1
<i>Miltochrista miniata</i>	Rosy Footman	insect - moth	31/12/1990	08/07/2010	11
<i>Phragmatobia fuliginosa</i>	Ruby Tiger	insect - moth	31/12/1990	21/07/2006	5
<i>Spilosoma lubricipeda</i>	White Ermine	insect - moth	14/06/1996	04/06/2005	6
<i>Spilosoma luteum</i>	Buff Ermine	insect - moth	14/06/1996	21/07/2006	6
<i>Spilosoma urticae</i>	Water Ermine	insect - moth	27/06/2001	-	1
<i>Tyria jacobaeae</i>	Cinnabar	insect - moth	26/06/1996	03/06/2007	9
<i>Argyresthia brockeella</i>	Gold-ribbon Argent	insect - moth	06/08/2005	-	1
<i>Argyresthia glaucinella</i>	Oak-bark Argent	insect - moth	30/03/2005	-	1
<i>Argyresthia spinosella</i>	Blackthorn Argent	insect - moth	01/06/1999	-	1
<i>Blastobasis adustella</i>	Dingy Dowd	insect - moth	08/08/2003	06/08/2005	2
<i>Blastobasis lacticolella</i>	Wakely's Dowd	insect - moth	17/06/2003	06/08/2005	4
<i>Bucculatrix demaryella</i>	Birch Bent-wing	insect - moth	30/05/1997	20/05/2010	6
<i>Bucculatrix thoracella</i>	Lime Bent-wing	insect - moth	06/09/1996	-	1
<i>Bucculatrix ulmella</i>	Oak Bent-wing	insect - moth	09/10/1996	30/05/1997	2

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<i>Diurnea fagella</i>	March Tubic	insect - moth	06/09/1996	19/08/1997	2
<i>Anthophila fabriciana</i>	Common Nettle-tap	insect - moth	16/05/2007	-	1
<i>Coleophora albicosta</i>	Gorse Case-bearer	insect - moth	30/05/1997	20/05/2010	5
<i>Coleophora albitarsella</i>	White-legged Case-bearer	insect - moth	09/10/1996	-	1
<i>Coleophora alticolella</i>	Common Rush Case-bearer	insect - moth	30/05/1997	20/05/2010	5
<i>Coleophora betulella</i>	White Birch Case-bearer	insect - moth	09/10/1996	-	1
<i>Coleophora caespitiella</i>	Buff Rush Case-bearer	insect - moth	30/05/1997	20/05/2010	3
<i>Coleophora discordella</i>	Lotus Case-bearer	insect - moth	01/06/1999	06/07/2004	4
<i>Coleophora flavipennella</i>	Tipped Oak Case-bearer	insect - moth	09/10/1996	-	1
<i>Coleophora fuscocuprella</i>	Hazel Case-bearer	insect - moth	09/10/1996	07/08/1999	2
<i>Coleophora glaucicolella</i>	Grey Rush Case-bearer	insect - moth	19/06/2003	-	1
<i>Coleophora laricella</i>	Larch Case-bearer	insect - moth	30/05/1997	01/06/1999	2
<i>Coleophora mayrella</i>	Meadow Case-bearer	insect - moth	19/06/2003	-	1
<i>Coleophora milvipennis</i>	Buff Birch Case-bearer	insect - moth	09/10/1996	30/05/1997	2
<i>Coleophora obscenella</i>	Golden-rod Case-bearer	insect - moth	01/09/1996	06/09/1996	2
<i>Coleophora otidipennella</i>	Wood-rush Case-bearer	insect - moth	20/05/2010	-	1
<i>Coleophora peribenanderi</i>	Pale Thistle Case-bearer	insect - moth	09/10/1996	-	1
<i>Coleophora serratella</i>	Common Case-bearer	insect - moth	09/10/1996	10/05/2008	5
<i>Coleophora spinella</i>	Apple and Plum Case-bearer	insect - moth	09/10/1996	-	1
<i>Coleophora striatipennella</i>	Hedge Case-bearer	insect - moth	01/06/1999	-	1
<i>Coleophora violacea</i>	Violet Case-bearer	insect - moth	09/10/1996	-	1
<i>Zeuzera pyrina</i>	Leopard Moth	insect - moth	31/12/1990	07/07/2006	3
<i>Acentria ephemerella</i>	Water Veneer	insect - moth	27/07/2004	25/08/2007	2
<i>Agriphila geniculea</i>	Elbow-stripe Grass-veneer	insect - moth	06/09/1996	-	1
<i>Agriphila straminella</i>	Straw Grass-veneer	insect - moth	07/08/1999	06/08/2005	5
<i>Agriphila tristella</i>	Common Grass-veneer	insect - moth	06/09/1996	08/07/2010	5
<i>Antigastra catalaunalis</i>	Spanish Dot	insect - moth	02/10/1985	22/10/1989	2
<i>Catoptria falsella</i>	Chequered Grass-veneer	insect - moth	06/08/2005	-	1
<i>Catoptria pinella</i>	Pearl Grass-veneer	insect - moth	08/08/2003	-	1
<i>Chrysoteuchia culmella</i>	Garden Grass-veneer	insect - moth	04/06/1997	03/06/2007	8
<i>Crambus lathoniellus</i>	Hook-streak Grass-veneer	insect - moth	30/05/1997	27/06/2004	5
<i>Crambus pascuella</i>	Inlaid Grass-veneer	insect - moth	13/06/2004	-	2
<i>Crambus perlella</i>	Satin Grass-veneer	insect - moth	17/06/2003	27/06/2004	2
<i>Crambus silvella</i>	Wood Grass-veneer	insect - moth	31/12/2003	-	1
<i>Euchromius ocella</i>	Eyed Veneer	insect - moth	22/09/1985	21/09/1999	4
<i>Eudonia lacustrata</i>	Little Grey	insect - moth	30/05/1997	27/06/2004	2
<i>Eudonia mercurella</i>	Small Grey	insect - moth	07/08/1999	06/08/2005	4
<i>Eudonia pallida</i>	Marsh Grey	insect - moth	12/06/2004	-	1
<i>Eudonia truncicolella</i>	Ground-moss Grey	insect - moth	08/08/2003	-	1
<i>Eurrhpara hortulata</i>	Small Magpie	insect - moth	20/06/2000	04/07/2006	4
<i>Evergestis forficalis</i>	Garden Pebble	insect - moth	26/08/2006	-	1
<i>Evergestis limbata</i>	Dark Bordered Pearl	insect - moth	23/07/1996	-	1
<i>Evergestis pallidata</i>	Chequered Pearl	insect - moth	08/08/2003	-	1
<i>Hellula undalis</i>	Old World Webworm	insect - moth	18/09/1992	-	1

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<i>Nomophila noctuella</i>	Rush Veneer	insect - moth	09/10/1996	08/07/2010	5
<i>Ostrinia nubilalis</i>	European Corn-borer	insect - moth	27/07/2001	-	1
<i>Perinephela lancealis</i>	Long-winged Pearl	insect - moth	04/06/1997	06/08/2005	7
<i>Phlyctaenia coronata</i>	Elder Pearl	insect - moth	20/06/2000	-	1
<i>Pleuroptya ruralis</i>	Mother of Pearl	insect - moth	11/08/2001	28/08/2010	16
<i>Pyrausta aurata</i>	Small Purple & Gold	insect - moth	06/09/1996	10/05/2008	4
<i>Pyrausta despicata</i>	Straw-barred Pearl	insect - moth	10/05/2008	-	1
<i>Scoparia ambigualis</i>	Common Grey	insect - moth	30/05/1997	04/07/2006	11
<i>Scoparia basistrigalis</i>	Base-lined Grey	insect - moth	27/07/2004	06/08/2005	2
<i>Scoparia pyralella</i>	Meadow Grey	insect - moth	30/05/1997	12/06/2004	4
<i>Udea ferrugalis</i>	Rusty Dot	insect - moth	08/08/2003	-	1
<i>Udea olivalis</i>	Olive Pearl	insect - moth	30/05/1997	04/07/2006	4
<i>Cilix glaucata</i>	Chinese Character	insect - moth	31/12/1990	31/08/1996	2
<i>Drepana falcataria</i>	Pebble Hook-tip	insect - moth	27/06/2001	20/05/2010	10
<i>Falcaria lacertinaria</i>	Scalloped Hook-tip	insect - moth	31/12/1990	20/05/2010	7
<i>Habrosyne pyritoides</i>	Buff Arches	insect - moth	25/06/2001	08/07/2010	8
<i>Ochropacha duplaris</i>	Common Lutestring	insect - moth	27/06/2001	27/06/2004	4
<i>Tethea ocularis</i>	Figure of Eighty	insect - moth	10/05/2008	-	1
<i>Tethea ocularis subsp. octogesimea</i>	Figure of Eighty	insect - moth	03/06/2004	12/06/2004	2
<i>Tetheella fluctuosa</i>	Satin Lutestring	insect - moth	27/06/2001	07/07/2006	9
<i>Thyatira batis</i>	Peach Blossom	insect - moth	31/12/1990	08/07/2010	15
<i>Watsonalla binaria</i>	Oak Hook-tip	insect - moth	31/12/1990	20/05/2010	9
<i>Watsonalla cultraria</i>	Barred Hook-tip	insect - moth	31/12/1990	20/05/2010	3
<i>Agonopterix alstromeriana</i>	Brown-spot Flat-body	insect - moth	01/06/1999	04/06/2005	4
<i>Agonopterix assimilella</i>	Dusted Flat-body	insect - moth	04/06/1997	10/05/2008	4
<i>Agonopterix heracliiana</i>	Common Flat-body	insect - moth	30/05/1997	-	1
<i>Agonopterix subpropinquella</i>	Ruddy Flat-body	insect - moth	08/08/2003	-	1
<i>Depressaria pastinacella</i>	Parsnip Flat-body	insect - moth	07/08/1999	-	1
<i>Elachista canapennella</i>	Little Dwarf	insect - moth	20/05/2010	-	1
<i>Elachista gangabella</i>	Yellow-barred Dwarf	insect - moth	04/06/1997	30/03/2005	5
<i>Elachista humilis</i>	Obscure Dwarf	insect - moth	30/03/2005	-	1
<i>Elachista megerlella</i>	Wood Dwarf	insect - moth	30/03/2005	-	1
<i>Ethmia dodecea</i>	Dotted Ermel	insect - moth	01/09/1996	27/06/2004	7
<i>Semioscopis avellanella</i>	Early Flat-body	insect - moth	04/04/2008	-	1
<i>Semioscopis steinkellneriana</i>	Dawn Flat-body	insect - moth	10/05/2008	-	1
<i>Stephensia brunnichella</i>	Basil Dwarf	insect - moth	30/07/2002	-	1
<i>Epermenia chaerophyllella</i>	Garden Lance-wing	insect - moth	07/08/1999	-	1
<i>Calliteara pudibunda</i>	Pale Tussock	insect - moth	14/06/1996	20/05/2010	9
<i>Catocala fraxini</i>	Clifden Nonpareil	insect - moth	26/08/2006	-	1
<i>Euproctis chrysorrhoea</i>	Brown-tail	insect - moth	08/08/2005	07/07/2006	3
<i>Euproctis similis</i>	Yellow-tail	insect - moth	31/12/1990	21/07/2006	5
<i>Herminia grisealis</i>	Small Fan-foot	insect - moth	25/06/2001	04/07/2006	8
<i>Hypena proboscidalis</i>	Snout	insect - moth	31/12/1990	28/08/2010	17
<i>Laspeyria flexula</i>	Beautiful Hook-tip	insect - moth	27/06/2001	-	1

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<i>Lygephila pastinum</i>	Blackneck	insect - moth	07/07/2006	-	1
<i>Lymantria monacha</i>	Black Arches	insect - moth	31/12/1990	28/08/2010	11
<i>Orgyia antiqua</i>	Vapourer	insect - moth	31/08/1996	23/09/2004	3
<i>Rivula sericealis</i>	Straw Dot	insect - moth	31/12/1990	08/07/2010	13
<i>Schrankia costaestrigalis</i>	Pinion-streaked Snout	insect - moth	20/08/2005	23/09/2006	2
<i>Schrankia taenialis</i>	White-line Snout	insect - moth	01/07/2001	27/06/2004	2
<i>Zanclognatha tarsipennalis</i>	Fan-foot	insect - moth	27/06/2001	08/07/2010	4
<i>Eriocrania chrysolepidella</i>	Small Hazel Purple	insect - moth	01/06/1999	-	1
<i>Eriocrania subpurpurella</i>	Common Oak Purple	insect - moth	19/08/1997	-	1
<i>Acompsia cinerella</i>	Ash-coloured Sober	insect - moth	27/06/2004	-	1
<i>Apodia bifractella</i>	Dark Fleabane Neb	insect - moth	31/12/1885	-	1
<i>Brachmia blandella</i>	Grass Crest	insect - moth	17/06/2003	-	1
<i>Bryotropha senectella</i>	Dull Red Groundling	insect - moth	04/07/2002	25/06/2003	2
<i>Bryotropha terrella</i>	Cinereous Groundling	insect - moth	01/06/1999	27/06/2001	2
<i>Carpatolechia notatella</i>	Sallow-leaf Groundling	insect - moth	09/10/1996	-	1
<i>Carpatolechia proximella</i>	Black-speckled Groundling	insect - moth	29/06/1971	27/06/2004	8
<i>Caryocolum tricolorella</i>	Three-colour Groundling	insect - moth	30/03/2005	-	1
<i>Dichomeris alacella</i>	Lichen Sober	insect - moth	31/12/1889	-	1
<i>Eulamprotes atrella</i>	Two-spotted Neb	insect - moth	08/08/2003	06/08/2005	2
<i>Eulamprotes immaculatella</i>	Twilight Neb	insect - moth	10/05/2008	-	1
<i>Eulamprotes unicolorella</i>	Unmarked Neb	insect - moth	30/05/1997	03/06/2004	3
<i>Exoteleia dodecella</i>	Pine Groundling	insect - moth	30/05/1997	-	1
<i>Helcystogramma rufescens</i>	Orange Crest	insect - moth	12/06/2004	27/06/2004	2
<i>Hypatima rhomboidella</i>	Square-spot Crest	insect - moth	06/08/2005	-	1
<i>Metzneria lappella</i>	Burdock Neb	insect - moth	28/12/1971	27/07/2004	2
<i>Metzneria metzneriella</i>	Meadow Neb	insect - moth	30/05/1997	27/06/2004	4
<i>Mirificarma mulinella</i>	Grass Groundling	insect - moth	07/08/1974	-	1
<i>Monochroa tenebrella</i>	Common Plain Neb	insect - moth	31/12/1888	-	1
<i>Neofaculta ericetella</i>	Heather Groundling	insect - moth	20/05/2010	-	1
<i>Parachronistis albiceps</i>	Wood Groundling	insect - moth	12/06/2004	06/07/2004	3
<i>Ptocheuusa paupella</i>	Light Fleabane Neb	insect - moth	06/08/2005	-	1
<i>Scrobipalpa costella</i>	Winter Groundling	insect - moth	12/06/2004	-	1
<i>Teleiodes flavimaculella</i>	Chestnut Groundling	insect - moth	02/06/1995	-	1
<i>Teleiodes luculella</i>	Crescent Groundling	insect - moth	30/05/1997	12/06/2004	3
<i>Teleiodes waggae</i>	Hazel Groundling	insect - moth	01/09/1996	28/05/2006	9
<i>Thiotricha subocellea</i>	Eyelet Sober	insect - moth	04/07/2002	-	1
<i>Abraxas grossulariata</i>	Magpie	insect - moth	31/08/1996	-	1
<i>Acasis viretata</i>	Yellow-barred Brindle	insect - moth	14/06/1996	-	1
<i>Aethalura punctulata</i>	Grey Birch	insect - moth	04/06/2005	20/05/2010	3
<i>Alcis repandata</i>	Mottled Beauty	insect - moth	25/06/2001	21/07/2006	8
<i>Alsophila aescularia</i>	March Moth	insect - moth	04/04/2008	-	1
<i>Angerona prunaria</i>	Orange Moth	insect - moth	25/06/2001	07/07/2006	7
<i>Apeira syringaria</i>	Lilac Beauty	insect - moth	27/06/2004	-	1
<i>Aplocera efformata</i>	Lesser Treble-bar	insect - moth	31/08/1996	20/05/2010	5

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<i>Aplocera plagiata</i>	Treble-bar	insect - moth	08/08/2003	26/08/2006	5
<i>Asthena albulata</i>	Small White Wave	insect - moth	31/12/1990	20/05/2010	7
<i>Biston betularia</i>	Peppered Moth	insect - moth	31/12/1990	07/07/2006	11
<i>Bupalus piniaria</i>	Bordered White	insect - moth	27/06/2001	04/06/2005	4
<i>Cabera exanthemata</i>	Common Wave	insect - moth	31/12/1990	04/07/2006	5
<i>Cabera pusaria</i>	Common White Wave	insect - moth	31/12/1990	20/05/2010	12
<i>Campaea margaritata</i>	Light Emerald	insect - moth	23/09/2000	28/08/2010	18
<i>Campptogramma bilineata</i>	Yellow Shell	insect - moth	06/08/2005	04/07/2006	2
<i>Campptogramma bilineata subsp. bilineata</i>	Yellow Shell	insect - moth	27/06/2001	08/08/2003	3
<i>Cepphis advenaria</i>	Little Thorn	insect - moth	03/06/2004	20/05/2010	5
<i>Chesias rufata</i>	Broom-tip	insect - moth	25/06/2001	-	1
<i>Chloroclysta siterata</i>	Red-green Carpet	insect - moth	10/05/2008	-	1
<i>Chloroclysta truncata</i>	Common Marbled Carpet	insect - moth	25/06/2001	23/09/2006	10
<i>Chloroclystis v-ata</i>	V-pug	insect - moth	27/06/2001	20/05/2010	6
<i>Cidaria fulvata</i>	Barred Yellow	insect - moth	25/06/2001	27/06/2001	2
<i>Colostygia pectinataria</i>	Green Carpet	insect - moth	14/06/1996	28/08/2010	11
<i>Comibaena bajularia</i>	Blotched Emerald	insect - moth	27/06/2001	12/06/2004	3
<i>Cosmorhoe ocellata</i>	Purple Bar	insect - moth	31/08/1996	30/08/2008	4
<i>Crocallis elinguaris</i>	Scalloped Oak	insect - moth	31/08/1996	21/07/2006	2
<i>Cyclophora albipunctata</i>	Birch Mocha	insect - moth	31/12/1990	20/05/2010	7
<i>Cyclophora annularia</i>	Mocha	insect - moth	08/08/2003	10/05/2008	3
<i>Cyclophora linearis</i>	Clay Triple-lines	insect - moth	31/12/1990	10/05/2008	12
<i>Cyclophora punctaria</i>	Maiden's Blush	insect - moth	31/08/1996	10/05/2008	6
<i>Deileptenia ribeata</i>	Satin Beauty	insect - moth	27/06/2001	27/06/2004	2
<i>Ecliptopera silaceata</i>	Small Phoenix	insect - moth	31/12/1990	20/05/2010	6
<i>Ectropis bistortata</i>	Engrailed	insect - moth	12/06/2004	08/07/2010	8
<i>Ectropis crepuscularia</i>	Small Engrailed	insect - moth	31/12/1990	03/06/2004	2
<i>Electrophaes corylata</i>	Broken-barred Carpet	insect - moth	27/06/2001	20/05/2010	7
<i>Ennomos alniaria</i>	Canary-shouldered Thorn	insect - moth	16/09/2000	25/08/2007	7
<i>Ennomos autumnaria</i>	Large Thorn	insect - moth	26/08/2006	-	1
<i>Ennomos fuscantaria</i>	Dusky Thorn	insect - moth	26/08/2006	30/08/2008	4
<i>Ennomos quercinaria</i>	August Thorn	insect - moth	31/12/1990	-	1
<i>Epione repandaria</i>	Bordered Beauty	insect - moth	27/06/2001	-	1
<i>Epirrhoe alternata</i>	Common Carpet	insect - moth	31/08/1996	23/08/2008	10
<i>Epirrhoe galiata</i>	Galium Carpet	insect - moth	25/07/2005	28/08/2010	2
<i>Epirrhoe rivata</i>	Wood Carpet	insect - moth	31/12/1990	21/07/2006	4
<i>Euchoeca nebulata</i>	Dingy Shell	insect - moth	27/06/2001	11/08/2001	2
<i>Eulithis prunata</i>	Phoenix	insect - moth	25/06/2001	27/06/2004	3
<i>Eupithecia abbreviata</i>	Brindled Pug	insect - moth	26/04/2006	10/05/2008	3
<i>Eupithecia absinthiata</i>	Wormwood Pug	insect - moth	11/08/2001	-	1
<i>Eupithecia centaureata</i>	Lime-speck Pug	insect - moth	14/06/1996	26/08/2006	4
<i>Eupithecia dodoneata</i>	Oak-tree Pug	insect - moth	27/06/2001	20/05/2010	5
<i>Eupithecia exiguata</i>	Mottled Pug	insect - moth	17/06/2003	20/05/2010	7
<i>Eupithecia expallidata</i>	Bleached Pug	insect - moth	06/08/2005	-	1

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Eupithecia haworthiata</i>	Haworth's Pug	insect - moth	27/06/2001	27/06/2004	5
<i>Eupithecia inturbata</i>	Maple Pug	insect - moth	31/08/1996	-	1
<i>Eupithecia lariciata</i>	Larch Pug	insect - moth	27/06/2001	27/06/2004	5
<i>Eupithecia linariata</i>	Toadflax Pug	insect - moth	27/06/2004	-	1
<i>Eupithecia nanata</i>	Narrow-winged Pug	insect - moth	10/05/2008	-	1
<i>Eupithecia pulchellata</i>	Foxglove Pug	insect - moth	27/06/2001	20/05/2010	8
<i>Eupithecia satyrata</i>	Satyr Pug	insect - moth	03/06/2004	-	1
<i>Eupithecia subfuscata</i>	Grey Pug	insect - moth	27/06/2001	03/06/2004	3
<i>Eupithecia tantillaria</i>	Dwarf Pug	insect - moth	27/06/2001	-	1
<i>Eupithecia tenuiata</i>	Slender Pug	insect - moth	25/06/2001	27/06/2001	2
<i>Eupithecia tripunctaria</i>	White-spotted Pug	insect - moth	31/12/1990	-	1
<i>Eupithecia trisignaria</i>	Triple-spotted Pug	insect - moth	08/08/2003	-	1
<i>Eupithecia vulgata</i>	Common Pug	insect - moth	14/06/1996	20/05/2010	5
<i>Geometra papilionaria</i>	Large Emerald	insect - moth	31/12/1990	07/07/2006	4
<i>Gymnoscelis rufasciata</i>	Double-striped Pug	insect - moth	31/08/1996	10/05/2008	5
<i>Hemistola chrysoprasaria</i>	Small Emerald	insect - moth	25/06/2001	07/07/2006	3
<i>Hemitheia aestivaria</i>	Common Emerald	insect - moth	25/06/2001	08/07/2010	6
<i>Horisme tersata</i>	Fern	insect - moth	27/06/2001	27/06/2004	3
<i>Horisme vitalbata</i>	Small Waved Umber	insect - moth	06/08/2005	10/05/2008	2
<i>Hydrelia flammeolaria</i>	Small Yellow Wave	insect - moth	25/06/2001	07/07/2006	6
<i>Hydrelia sylvata</i>	Waved Carpet	insect - moth	25/06/2001	04/07/2006	9
<i>Hydriomena furcata</i>	July Highflyer	insect - moth	31/12/1990	21/07/2006	9
<i>Hylaea fasciaria</i>	Barred Red	insect - moth	27/06/2001	20/08/2005	3
<i>Hypomecis punctinalis</i>	Pale Oak Beauty	insect - moth	14/06/1996	04/06/2005	8
<i>Hypomecis roboraria</i>	Great Oak Beauty	insect - moth	27/06/2001	04/07/2006	5
<i>Idaea aversata</i>	Riband Wave	insect - moth	31/12/1990	26/08/2006	15
<i>Idaea biselata</i>	Small Fan-footed Wave	insect - moth	31/12/1990	28/08/2010	11
<i>Idaea dimidiata</i>	Single-dotted Wave	insect - moth	31/12/1990	08/07/2010	5
<i>Idaea fuscovenosa</i>	Dwarf Cream Wave	insect - moth	04/07/2006	07/07/2006	2
<i>Idaea seriata</i>	Small Dusty Wave	insect - moth	04/07/2006	-	1
<i>Idaea straminata</i>	Plain Wave	insect - moth	25/06/2001	-	1
<i>Idaea subsericeata</i>	Satin Wave	insect - moth	25/06/2001	08/08/2005	3
<i>Idaea trigeminata</i>	Treble Brown Spot	insect - moth	25/06/2001	27/06/2004	4
<i>Jodis lactearia</i>	Little Emerald	insect - moth	25/06/2001	21/07/2006	8
<i>Lampropteryx suffumata</i>	Water Carpet	insect - moth	21/04/2004	10/05/2008	3
<i>Ligdia adustata</i>	Scorched Carpet	insect - moth	31/12/1990	20/05/2010	8
<i>Lomaspilis marginata</i>	Clouded Border	insect - moth	31/12/1990	23/08/2008	14
<i>Lomographa bimaculata</i>	White-pinion Spotted	insect - moth	03/06/2004	20/05/2010	4
<i>Lomographa temerata</i>	Clouded Silver	insect - moth	25/06/2001	08/07/2010	8
<i>Lycia hirtaria</i>	Brindled Beauty	insect - moth	26/04/2006	04/04/2008	3
<i>Macaria alternata</i>	Sharp-angled Peacock	insect - moth	04/06/2005	04/07/2006	2
<i>Macaria liturata</i>	Tawny-barred Angle	insect - moth	31/12/1990	10/05/2008	15
<i>Macaria notata</i>	Peacock Moth	insect - moth	31/12/1990	10/05/2008	14
<i>Melanthia procellata</i>	Pretty Chalk Carpet	insect - moth	25/06/2001	20/05/2010	10

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<i>Menophra abruptaria</i>	Waved Umber	insect - moth	26/04/2006	20/05/2010	3
<i>Mesoleuca albicillata</i>	Beautiful Carpet	insect - moth	25/06/2001	-	1
<i>Minoa murinata</i>	Drab Looper	insect - moth	28/05/2006	-	1
<i>Odontopera bidentata</i>	Scalloped Hazel	insect - moth	14/06/1996	20/05/2010	4
<i>Opisthograptis luteolata</i>	Brimstone Moth	insect - moth	31/12/1990	28/08/2010	26
<i>Ourapteryx sambucaria</i>	Swallow-tailed Moth	insect - moth	25/06/2001	08/07/2010	6
<i>Paradarisa consonaria</i>	Square Spot	insect - moth	27/06/2001	20/05/2010	7
<i>Parectropis similaria</i>	Brindled White-spot	insect - moth	27/06/2001	27/06/2004	5
<i>Pasiphila rectangulata</i>	Green Pug	insect - moth	25/06/2001	08/07/2010	8
<i>Peribatodes rhomboidaria</i>	Willow Beauty	insect - moth	31/12/1990	20/05/2010	12
<i>Perizoma affinitata</i>	Rivulet	insect - moth	03/06/2004	12/06/2004	2
<i>Perizoma albulata</i>	Grass Rivulet	insect - moth	12/06/2004	-	1
<i>Perizoma alchemillata</i>	Small Rivulet	insect - moth	06/08/2005	08/08/2005	2
<i>Perizoma didymata</i>	Twin-spot Carpet	insect - moth	04/07/2006	07/07/2006	2
<i>Petrophora chlorosata</i>	Brown Silver-line	insect - moth	14/06/1996	20/05/2010	11
<i>Plagodis dolabraria</i>	Scorched Wing	insect - moth	14/06/1996	10/05/2008	11
<i>Plagodis pulveraria</i>	Barred Umber	insect - moth	03/06/2004	20/05/2010	4
<i>Pseudopanthera macularia</i>	Speckled Yellow	insect - moth	31/12/1990	22/04/2011	12
<i>Rheumaptera undulata</i>	Scallop Shell	insect - moth	27/06/2001	21/07/2006	5
<i>Scopula emutaria</i>	Rosy Wave	insect - moth	08/08/2005	-	1
<i>Scopula floslactata</i>	Cream Wave	insect - moth	14/06/1996	20/05/2010	6
<i>Scopula imitaria</i>	Small Blood-vein	insect - moth	27/06/2001	-	1
<i>Scotopteryx chenopodiata</i>	Shaded Broad-bar	insect - moth	27/06/2004	06/08/2005	2
<i>Selenia dentaria</i>	Early Thorn	insect - moth	11/08/2001	21/07/2006	6
<i>Selenia tetralunaria</i>	Purple Thorn	insect - moth	31/12/1990	04/04/2008	3
<i>Thera cupressata</i>	Cypress Carpet	insect - moth	25/06/2001	-	1
<i>Thera firmata</i>	Pine Carpet	insect - moth	27/06/2001	04/07/2006	5
<i>Thera obeliscata</i>	Grey Pine Carpet	insect - moth	25/06/2001	20/05/2010	7
<i>Timandra comae</i>	Blood-Vein	insect - moth	14/06/1996	26/08/2006	6
<i>Timandra griseata</i>	Blood-Vein	insect - moth	31/12/1990	31/12/2000	2
<i>Trichopteryx carpinata</i>	Early Tooth-striped	insect - moth	26/04/2006	04/04/2008	2
<i>Xanthorhoe biriviata</i>	Balsam Carpet	insect - moth	10/05/2008	-	1
<i>Xanthorhoe designata</i>	Flame Carpet	insect - moth	31/08/1996	-	1
<i>Xanthorhoe ferrugata</i>	Dark-barred Twin-spot Carpet	insect - moth	31/12/1990	-	1
<i>Xanthorhoe fluctuata</i>	Garden Carpet	insect - moth	14/06/1996	20/05/2010	4
<i>Xanthorhoe fluctuata subsp. fluctuata</i>	Garden Carpet	insect - moth	27/06/2004	-	1
<i>Xanthorhoe montanata</i>	Silver-ground Carpet	insect - moth	14/06/1996	04/06/2005	3
<i>Xanthorhoe spadicearia</i>	Red Twin-spot Carpet	insect - moth	31/12/1990	20/05/2010	9
<i>Acrolepiopsis marcidella</i>	Elusive Smudge	insect - moth	12/06/1997	-	1
<i>Callisto denticulella</i>	Garden Apple Slender	insect - moth	06/09/1996	-	1
<i>Caloptilia alchimiella</i>	Yellow-triangle Slender	insect - moth	12/06/2004	10/05/2008	2
<i>Caloptilia populetorum</i>	Clouded Slender	insect - moth	12/06/2004	-	1
<i>Caloptilia rufipennella</i>	Small Red Slender	insect - moth	06/09/1996	07/08/1999	2
<i>Caloptilia semifascia</i>	Maple Slender	insect - moth	07/08/1999	-	1

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<i>Caloptilia stigmatella</i>	White-triangle Slender	insect - moth	09/10/1996	07/08/1999	2
<i>Deltaornix torquillella</i>	Blackthorn Slender	insect - moth	19/06/2003	-	1
<i>Eucalybites auroguttella</i>	Gold-dot Slender	insect - moth	09/10/1996	12/06/2004	2
<i>Gracillaria syringella</i>	Common Slender	insect - moth	09/10/1996	20/05/2010	8
<i>Parornix anglicella</i>	Hawthorn Slender	insect - moth	01/09/1996	-	1
<i>Parornix betulae</i>	Brown Birch Slender	insect - moth	09/10/1996	10/05/2008	3
<i>Parornix devoniella</i>	Hazel Slender	insect - moth	01/09/1996	20/05/2010	4
<i>Parornix fagivora</i>	Beech Slender	insect - moth	09/10/1996	07/08/1999	2
<i>Phyllonorycter acerifoliella</i>	Maple Midget	insect - moth	06/09/1996	-	1
<i>Phyllonorycter coryli</i>	Nut Leaf Blister Moth	insect - moth	06/09/1996	07/08/1999	3
<i>Phyllonorycter corylifoliella</i>	Hawthorn Midget	insect - moth	06/09/1996	-	1
<i>Phyllonorycter geniculella</i>	Sycamore Midget	insect - moth	09/10/1996	-	1
<i>Phyllonorycter lantanella</i>	Viburnum Midget	insect - moth	19/08/1997	-	1
<i>Phyllonorycter maestingella</i>	Beech Midget	insect - moth	06/09/1996	07/08/1999	2
<i>Phyllonorycter messaniella</i>	Garden Midget	insect - moth	19/08/1997	07/08/1999	2
<i>Phyllonorycter nicellii</i>	Red Hazel Midget	insect - moth	06/09/1996	07/08/1999	3
<i>Phyllonorycter oxyacanthae</i>	Common Thorn Midget	insect - moth	09/10/1996	-	1
<i>Phyllonorycter platanoidella</i>	White-bodied Midget	insect - moth	06/09/1996	07/08/1999	2
<i>Phyllonorycter spinicolella</i>	Sloe Midget	insect - moth	06/09/1996	-	1
<i>Phyllonorycter trifasciella</i>	Honeysuckle Midget	insect - moth	01/09/1996	-	1
<i>Phyllonorycter ulmifoliella</i>	Red Birch Midget	insect - moth	06/09/1996	26/08/2003	3
<i>Heliozela hammoniella</i>	Birch Lift	insect - moth	09/10/1996	-	1
<i>Hepialus hecta</i>	Gold Swift	insect - moth	27/06/2001	27/06/2004	4
<i>Hepialus humuli</i>	Ghost Moth	insect - moth	27/06/2001	06/08/2005	5
<i>Hepialus lupulinus</i>	Common Swift	insect - moth	14/06/1996	12/06/2004	5
<i>Hepialus sylvina</i>	Orange Swift	insect - moth	31/12/1990	08/08/2005	2
<i>Ochlodes sylvanus</i>	Large Skipper	insect - butterfly	31/12/1990	04/07/2010	72
<i>Pyrgus malvae</i>	Grizzled Skipper	insect - butterfly	31/12/1990	14/05/2010	38
<i>Thymelicus lineola</i>	Essex Skipper	insect - butterfly	31/12/1990	17/07/1996	4
<i>Thymelicus sylvestris</i>	Small Skipper	insect - butterfly	31/12/1990	04/07/2010	67
<i>Incurvaria masculella</i>	Feathered Bright	insect - moth	30/05/1997	10/05/2008	2
<i>Incurvaria pectinea</i>	Pale Feathered Bright	insect - moth	09/10/1996	07/08/1999	2
<i>Phylloporia bistrigella</i>	Striped Bright	insect - moth	09/10/1996	20/05/2010	2
<i>Euthrix potatoria</i>	Drinker	insect - moth	31/12/1990	21/07/2006	7
<i>Lasiocampa quercus</i>	Oak Eggar	insect - moth	06/08/2005	-	1
<i>Malacosoma neustria</i>	Lackey	insect - moth	31/08/1996	-	1
<i>Apoda limacodes</i>	Festoon	insect - moth	27/06/2001	21/07/2006	9
<i>Heterogenea asella</i>	Triangle	insect - moth	25/06/2001	-	1
<i>Aricia agestis</i>	Brown Argus	insect - butterfly	07/05/1997	11/08/1998	5
<i>Callophrys rubi</i>	Green Hairstreak	insect - butterfly	19/09/1990	31/12/1990	2
<i>Celastrina argiolus</i>	Holly Blue	insect - butterfly	06/05/1996	22/04/2009	56
<i>Celastrina argiolus subsp. britanna</i>	Holly Blue	insect - butterfly	31/12/1990	31/12/2000	2
<i>Lycaena phlaeas</i>	Small Copper	insect - butterfly	31/12/1990	28/04/2007	25
<i>Neozephyrus quercus</i>	Purple Hairstreak	insect - butterfly	31/12/1990	17/06/2007	6

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<i>Polyommatus icarus</i>	Common Blue	insect - butterfly	31/12/1990	23/05/2010	54
<i>Satyrrium w-album</i>	White-letter Hairstreak	insect - butterfly	31/12/1990	-	1
<i>Thecla betulae</i>	Brown Hairstreak	insect - butterfly	31/12/1990	-	1
<i>Pseudatemelia flavifrontella</i>	Yellow-headed Tubic	insect - moth	30/05/1997	-	1
<i>Pseudatemelia josephinae</i>	Orange-headed Tubic	insect - moth	23/06/2003	-	1
<i>Pseudatemelia subochreella</i>	Straw-coloured Tubic	insect - moth	30/05/1997	-	1
<i>Micropterix tunbergella</i>	Red-barred Gold	insect - moth	20/05/2010	-	1
<i>Mompha divisella</i>	Neat Cosmet	insect - moth	31/12/1868	-	1
<i>Mompha langiella</i>	Clouded Cosmet	insect - moth	07/08/1999	-	1
<i>Mompha terminella</i>	Enchanters Cosmet	insect - moth	25/06/2003	-	1
<i>Ectoedemia albifasciella</i>	White-banded Pigmy	insect - moth	09/10/1996	-	1
<i>Ectoedemia angulifasciella</i>	Bent-barred Pigmy	insect - moth	09/10/1996	-	1
<i>Ectoedemia atricollis</i>	Pinch-barred Pigmy	insect - moth	09/10/1996	-	1
<i>Ectoedemia atrifrontella</i>	Oak-bark Pigmy	insect - moth	30/03/2005	-	1
<i>Ectoedemia heringi</i>	White-spot Pigmy	insect - moth	09/10/1996	-	1
<i>Ectoedemia louisella</i>	Maple-seed Pigmy	insect - moth	09/10/1996	-	1
<i>Ectoedemia occultella</i>	Large Birch Pigmy	insect - moth	06/09/1996	19/08/1997	2
<i>Ectoedemia septembrella</i>	Hypericum Pigmy	insect - moth	01/09/1996	-	1
<i>Ectoedemia sericopeza</i>	Norway-maple Pigmy	insect - moth	09/10/1996	-	1
<i>Ectoedemia subbimaculella</i>	Spotted Black Pigmy	insect - moth	09/10/1996	-	1
<i>Stigmella anomalella</i>	Rose Leaf Miner	insect - moth	06/09/1996	19/08/1997	2
<i>Stigmella atricapitella</i>	Black-headed Pigmy	insect - moth	09/10/1996	19/08/1997	2
<i>Stigmella aurella</i>	Golden Pigmy	insect - moth	28/03/1986	30/03/2005	4
<i>Stigmella basiguttella</i>	Base-spotted Pigmy	insect - moth	09/10/1996	-	1
<i>Stigmella betulicola</i>	Common Birch Pigmy	insect - moth	09/10/1996	-	1
<i>Stigmella centifoliella</i>	Narrow-barred Pigmy	insect - moth	09/10/1996	-	1
<i>Stigmella confusella</i>	Pale Birch Pigmy	insect - moth	06/09/1996	-	1
<i>Stigmella continuella</i>	Double-barred Pigmy	insect - moth	06/09/1996	-	1
<i>Stigmella crataegella</i>	Common Thorn Pigmy	insect - moth	01/09/1996	19/08/1997	3
<i>Stigmella floslactella</i>	Coarse Hazel Pigmy	insect - moth	01/09/1996	07/08/1999	3
<i>Stigmella hemargyrella</i>	Beech Pigmy	insect - moth	06/09/1996	-	1
<i>Stigmella hybnerella</i>	Greenish Thorn Pigmy	insect - moth	09/10/1996	-	1
<i>Stigmella incognitella</i>	Grey Apple Pigmy	insect - moth	06/09/1996	-	1
<i>Stigmella lapponica</i>	Drab Birch Pigmy	insect - moth	06/09/1996	-	1
<i>Stigmella microtheriella</i>	Nut-tree Pigmy	insect - moth	09/10/1996	07/08/1999	3
<i>Stigmella nylandriella</i>	Common Rowan Pigmy	insect - moth	06/09/1996	-	1
<i>Stigmella perpygmaeella</i>	Least Thorn Pigmy	insect - moth	09/10/1996	-	1
<i>Stigmella plagicolella</i>	Scrubland Pigmy	insect - moth	09/10/1996	-	1
<i>Stigmella roborella</i>	Common Oak Pigmy	insect - moth	09/10/1996	19/08/1997	2
<i>Stigmella ruficapitella</i>	Red-headed Pigmy	insect - moth	01/09/1996	-	1
<i>Stigmella sakhalinella</i>	Small Birch Pigmy	insect - moth	09/10/1996	19/08/1997	2
<i>Stigmella salicis</i>	Sallow Pigmy	insect - moth	09/10/1996	-	1
<i>Stigmella samiatella</i>	Chestnut Pigmy	insect - moth	01/09/1996	07/08/1999	2
<i>Stigmella speciosa</i>	Barred Sycamore Pigmy	insect - moth	09/10/1996	-	1

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<i>Stigmella splendissimella</i>	Glossy Bramble Pigmy	insect - moth	06/09/1996	-	1
<i>Stigmella tityrella</i>	Small Beech Pigmy	insect - moth	06/09/1996	07/08/1999	2
<i>Abrostola tripartita</i>	Spectacle	insect - moth	31/08/1996	25/08/2007	8
<i>Acronicta</i>		insect - moth	31/12/1990	-	1
<i>Acronicta aceris</i>	Sycamore	insect - moth	27/06/2001	-	1
<i>Acronicta alni</i>	Alder Moth	insect - moth	03/06/2004	10/05/2008	2
<i>Acronicta leporina</i>	Miller	insect - moth	27/06/2001	12/06/2004	3
<i>Acronicta megacephala</i>	Poplar Grey	insect - moth	27/06/2001	17/06/2003	2
<i>Acronicta rumicis</i>	Knot Grass	insect - moth	31/12/1990	07/07/2006	4
<i>Acronicta tridens</i>	Dark Dagger	insect - moth	27/06/2001	-	1
<i>Agrotis clavis</i>	Heart & Club	insect - moth	27/06/2001	27/06/2004	2
<i>Agrotis exclamationis</i>	Heart & Dart	insect - moth	14/06/1996	08/07/2010	10
<i>Agrotis ipsilon</i>	Dark Sword-grass	insect - moth	27/06/2001	23/09/2006	4
<i>Agrotis puta</i>	Shuttle-shaped Dart	insect - moth	14/06/1996	23/08/2008	9
<i>Agrotis puta subsp. puta</i>	Shuttle-shaped Dart	insect - moth	11/08/2001	-	1
<i>Amphipoea oculatea</i>	Ear Moth	insect - moth	08/08/2003	30/08/2008	2
<i>Amphipyra</i>		insect - moth	31/08/1996	23/08/2008	5
<i>Amphipyra pyramidea agg.</i>	Copper Underwings	insect - moth	31/12/1990	-	1
<i>Amphipyra tragopoginis</i>	Mouse Moth	insect - moth	31/12/1990	23/08/2008	4
<i>Anaplectoides prasina</i>	Green Arches	insect - moth	12/06/2004	-	1
<i>Apamea crenata</i>	Clouded-bordered Brindle	insect - moth	12/06/2004	-	1
<i>Apamea monoglypha</i>	Dark Arches	insect - moth	31/12/1990	25/08/2006	12
<i>Autographa gamma</i>	Silver Y	insect - moth	31/12/1990	23/08/2008	12
<i>Autographa jota</i>	Plain Golden Y	insect - moth	25/06/2001	-	1
<i>Autographa pulchrina</i>	Beautiful Golden Y	insect - moth	25/06/2001	04/07/2006	7
<i>Axylia putris</i>	Flame	insect - moth	27/06/2001	04/07/2006	5
<i>Caradrina morpheus</i>	Mottled Rustic	insect - moth	14/06/1996	04/07/2006	4
<i>Charanyca trigrammica</i>	Treble Lines	insect - moth	14/06/1996	20/05/2010	8
<i>Colocasia coryli</i>	Nut-tree Tussock	insect - moth	31/12/1990	20/05/2010	9
<i>Cosmia diffinis</i>	White-spotted Pinion	insect - moth	31/12/2002	-	1
<i>Cosmia pyralina</i>	Lunar-spotted Pinion	insect - moth	07/07/2006	-	1
<i>Cosmia trapezina</i>	Dun-bar	insect - moth	31/12/1990	06/08/2005	3
<i>Craniophora ligustri</i>	Coronet	insect - moth	25/06/2001	08/07/2010	10
<i>Cucullia asteris</i>	Star-wort	insect - moth	22/04/2005	-	1
<i>Diachrysis chrysitis</i>	Burnished Brass	insect - moth	04/07/2006	28/08/2010	2
<i>Diarsia brunnea</i>	Purple Clay	insect - moth	27/06/2001	27/06/2004	2
<i>Diarsia mendica</i>	Ingrailed Clay	insect - moth	14/06/1996	04/06/2005	6
<i>Diarsia mendica subsp. mendica</i>	Ingrailed Clay	insect - moth	25/06/2001	08/07/2010	4
<i>Diarsia rubi</i>	Small Square-spot	insect - moth	31/08/1996	25/08/2007	3
<i>Discestra trifolii</i>	Nutmeg	insect - moth	31/08/1996	27/06/2004	2
<i>Elaphria venustula</i>	Rosy Marbled	insect - moth	27/06/2001	04/06/2005	5
<i>Euplexia lucipara</i>	Small Angle Shades	insect - moth	27/06/2001	10/05/2008	6
<i>Eupsilia transversa</i>	Satellite	insect - moth	23/08/2008	-	1
<i>Hada plebeja</i>	Shears	insect - moth	14/06/1996	27/06/2004	3

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<i>Hadena bicurris</i>	Lychnis	insect - moth	14/06/1996	-	1
<i>Helicoverpa armigera</i>	Scarce Bordered Straw	insect - moth	26/08/2006	23/09/2006	2
<i>Hoplodrina alsines</i>	Uncertain	insect - moth	27/06/2001	07/07/2006	5
<i>Hoplodrina ambigua</i>	Vine's Rustic	insect - moth	14/06/1996	26/08/2006	4
<i>Hoplodrina blanda</i>	Rustic	insect - moth	31/08/1996	20/08/2005	2
<i>Hydraecia micacea</i>	Rosy Rustic	insect - moth	31/08/1996	08/08/2003	2
<i>Lacanobia oleracea</i>	Bright-Line Brown-Eye	insect - moth	14/06/1996	25/07/2005	4
<i>Lacanobia w-latinum</i>	Light Brocade	insect - moth	14/06/1996	10/05/2008	2
<i>Luperina testacea</i>	Flounced Rustic	insect - moth	31/08/1996	23/09/2006	4
<i>Mamestra brassicae</i>	Cabbage Moth	insect - moth	31/08/1996	20/08/2005	3
<i>Melanchra persicariae</i>	Dot Moth	insect - moth	27/06/2001	04/07/2006	3
<i>Melanchra pisi</i>	Broom Moth	insect - moth	27/06/2001	-	1
<i>Mesapamea secalis</i> agg.	Common Rustic	insect - moth	31/12/1990	06/08/2005	3
<i>Mesapamea secalis</i>	Common Rustic	insect - moth	31/08/1996	08/08/2005	3
<i>Moma alpium</i>	Scarce Merveille Du Jour	insect - moth	25/06/2001	04/07/2006	6
<i>Mormo maura</i>	Old Lady	insect - moth	23/08/2008	-	1
<i>Mythimna albipuncta</i>	White-point	insect - moth	08/08/2003	26/08/2006	3
<i>Mythimna comma</i>	Shoulder-striped Wainscot	insect - moth	14/06/1996	27/06/2001	2
<i>Mythimna ferrago</i>	Clay	insect - moth	27/06/2001	-	1
<i>Mythimna impura</i>	Smoky Wainscot	insect - moth	27/06/2001	26/08/2006	5
<i>Mythimna pallens</i>	Common Wainscot	insect - moth	14/06/1996	28/08/2010	9
<i>Noctua comes</i>	Lesser Yellow Underwing	insect - moth	31/12/1990	23/09/2006	4
<i>Noctua fimbriata</i>	Broad-bordered Yellow Underwing	insect - moth	27/06/2001	23/08/2008	3
<i>Noctua interjecta</i>	Least Yellow Underwing	insect - moth	31/08/1996	20/08/2005	2
<i>Noctua janthe</i>	Lesser Broad-bordered Yellow Underwi	insect - moth	31/12/1990	30/08/2008	12
<i>Noctua pronuba</i>	Large Yellow Underwing	insect - moth	14/06/1996	28/08/2010	22
<i>Ochropleura plecta</i>	Flame Shoulder	insect - moth	31/12/1990	08/07/2010	23
<i>Oligia fasciuncula</i>	Middle-barred Minor	insect - moth	03/06/2004	12/06/2004	2
<i>Oligia latruncula</i>	Tawny Marbled Minor	insect - moth	14/06/1996	04/07/2006	4
<i>Oligia strigilis</i>	Marbled Minor	insect - moth	27/06/2001	04/07/2006	4
<i>Oligia versicolor</i>	Rufous Minor	insect - moth	25/07/2005	07/07/2006	3
<i>Omphaloscelis lunosa</i>	Lunar Underwing	insect - moth	01/09/2000	23/09/2006	5
<i>Orthosia cerasi</i>	Common Quaker	insect - moth	26/04/2006	20/05/2010	4
<i>Orthosia cruda</i>	Small Quaker	insect - moth	07/04/2007	04/04/2008	2
<i>Orthosia gothica</i>	Hebrew Character	insect - moth	26/04/2006	10/05/2008	4
<i>Orthosia incerta</i>	Clouded Drab	insect - moth	07/04/2007	04/04/2008	2
<i>Orthosia munda</i>	Twin-spotted Quaker	insect - moth	04/04/2008	-	1
<i>Panolis flammea</i>	Pine Beauty	insect - moth	26/04/2006	20/05/2010	2
<i>Paradrina clavipalpis</i>	Pale Mottled Willow	insect - moth	23/09/2006	-	1
<i>Parastichtis suspecta</i>	Suspected	insect - moth	27/06/2004	-	1
<i>Peridroma saucia</i>	Pearly Underwing	insect - moth	23/09/2006	-	1
<i>Phlogophora meticulosa</i>	Angle Shades	insect - moth	31/08/1996	23/08/2008	10
<i>Polia nebulosa</i>	Grey Arches	insect - moth	27/06/2001	04/07/2006	4
<i>Protodeltote pygarga</i>	Marbled White Spot	insect - moth	25/06/2001	04/06/2005	7

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<i>Rusina ferruginea</i>	Brown Rustic	insect - moth	27/06/2001	27/06/2004	3
<i>Thalpophila matura</i>	Straw Underwing	insect - moth	06/08/2005	26/08/2006	2
<i>Tholera decimalis</i>	Feathered Gothic	insect - moth	25/08/2006	-	1
<i>Xanthia aurago</i>	Barred Sallow	insect - moth	23/09/2000	-	1
<i>Xestia baja</i>	Dotted Clay	insect - moth	08/08/2003	08/08/2005	3
<i>Xestia c-nigrum</i>	Setaceous Hebrew Character	insect - moth	31/08/1996	28/08/2010	16
<i>Xestia ditrapezium</i>	Triple-spotted Clay	insect - moth	04/07/2006	07/07/2006	2
<i>Xestia rhomboidea</i>	Square-spotted Clay	insect - moth	08/08/2003	06/08/2005	2
<i>Xestia sexstrigata</i>	Six-striped Rustic	insect - moth	31/08/1996	-	1
<i>Xestia triangulum</i>	Double-square Spot	insect - moth	27/06/2001	21/07/2006	5
<i>Xestia xanthographa</i>	Square-spot Rustic	insect - moth	31/08/1996	25/08/2007	5
<i>Xylocampa areola</i>	Early Grey	insect - moth	21/04/2004	26/04/2006	2
<i>Bena bicolorana</i>	Scarce Silver-lines	insect - moth	17/06/2003	-	1
<i>Nola confusalis</i>	Least Black Arches	insect - moth	10/05/2008	20/05/2010	2
<i>Pseudoips prasinana</i>	Green Silver-lines	insect - moth	03/06/2004	27/06/2004	3
<i>Pseudoips prasinana subsp. britannica</i>	Green Silver-lines	insect - moth	25/06/2001	07/07/2006	4
<i>Clostera curtula</i>	Chocolate-tip	insect - moth	10/05/2008	-	1
<i>Drymonia dodonaea</i>	Marbled Brown	insect - moth	12/06/2004	-	1
<i>Drymonia ruficornis</i>	Lunar Marbled Brown	insect - moth	26/04/2006	-	1
<i>Furcula furcula</i>	Sallow Kitten	insect - moth	31/12/1990	10/05/2008	5
<i>Notodonta dromedarius</i>	Iron Prominent	insect - moth	31/12/1990	10/05/2008	17
<i>Notodonta ziczac</i>	Pebble Prominent	insect - moth	31/12/1990	20/05/2010	8
<i>Phalera bucephala</i>	Buff-tip	insect - moth	14/06/1996	20/05/2010	7
<i>Pheosia gnoma</i>	Lesser Swallow Prominent	insect - moth	31/12/1990	06/08/2005	8
<i>Pheosia tremula</i>	Swallow Prominent	insect - moth	31/12/1990	28/08/2010	9
<i>Pterostoma palpina</i>	Pale Prominent	insect - moth	31/12/1990	20/05/2010	7
<i>Ptilodon capucina</i>	Coxcomb Prominent	insect - moth	31/12/1990	28/08/2010	13
<i>Ptilodon cucullina</i>	Maple Prominent	insect - moth	27/06/2001	10/05/2008	9
<i>Stauropus fagi</i>	Lobster Moth	insect - moth	27/06/2001	20/05/2010	9
<i>Aglais urticae</i>	Small Tortoiseshell	insect - butterfly	31/12/1990	13/04/2010	50
<i>Apatura iris</i>	Purple Emperor	insect - butterfly	31/12/1990	23/07/2006	5
<i>Aphantopus hyperantus</i>	Ringlet	insect - butterfly	31/12/1990	28/07/2010	86
<i>Argynnis paphia</i>	Silver-washed Fritillary	insect - butterfly	19/09/1990	28/07/2010	96
<i>Boloria euphrosyne</i>	Pearl-bordered Fritillary	insect - butterfly	19/09/1990	23/05/2010	102
<i>Boloria selene</i>	Small Pearl-bordered Fritillary	insect - butterfly	19/09/1990	-	1
<i>Coenonympha pamphilus</i>	Small Heath	insect - butterfly	31/12/1990	13/07/2004	13
<i>Inachis io</i>	Peacock	insect - butterfly	31/12/1990	22/04/2011	137
<i>Lasiommata megera</i>	Wall	insect - butterfly	31/12/1990	-	1
<i>Limenitis camilla</i>	White Admiral	insect - butterfly	19/09/1990	28/07/2010	64
<i>Maniola jurtina</i>	Meadow Brown	insect - butterfly	31/12/1990	04/07/2010	126
<i>Melanargia galathea</i>	Marbled White	insect - butterfly	21/06/2003	17/06/2007	2
<i>Melanargia galathea subsp. serena</i>	Marbled White	insect - butterfly	07/07/2006	-	1
<i>Pararge aegeria</i>	Speckled Wood	insect - butterfly	31/12/1990	04/07/2010	117
<i>Polygonia c-album</i>	Comma	insect - butterfly	31/12/1990	04/07/2010	73

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<i>Pyronia tithonus</i>	Hedge Brown	insect - butterfly	01/07/1995	04/07/2010	86
<i>Pyronia tithonus subsp. britanniae</i>	Hedge Brown	insect - butterfly	31/12/1990	31/12/2000	4
<i>Vanessa atalanta</i>	Red Admiral	insect - butterfly	31/12/1990	01/08/2010	97
<i>Vanessa cardui</i>	Painted Lady	insect - butterfly	31/12/1990	04/07/2010	36
<i>Endrosis sarcitrella</i>	White-shouldered House-moth	insect - moth	30/05/1997	06/08/2005	2
<i>Esperia sulphurella</i>	Sulphur Tubic	insect - moth	03/06/2004	20/05/2010	4
<i>Hofmannophila pseudospretella</i>	Brown House-moth	insect - moth	10/05/2008	-	1
<i>Oecophora bractella</i>	Gold-base Tubic	insect - moth	27/06/2001	27/06/2004	3
<i>Pseudopostega crepusculella</i>	Mint Bent-wing	insect - moth	17/06/2003	27/06/2004	2
<i>Carcina quercana</i>	Long-horned Flat-body	insect - moth	08/08/2003	27/07/2004	2
<i>Anthocharis cardamines</i>	Orange-tip	insect - butterfly	31/12/1990	22/04/2011	69
<i>Colias croceus</i>	Clouded Yellow	insect - butterfly	31/12/1990	07/09/2003	8
<i>Gonepteryx rhamni</i>	Brimstone	insect - butterfly	31/12/1990	24/03/2012	78
<i>Pieris brassicae</i>	Large White	insect - butterfly	31/12/1990	01/08/2010	115
<i>Pieris napi</i>	Green-veined White	insect - butterfly	31/12/1990	25/04/2011	96
<i>Pieris rapae</i>	Small White	insect - butterfly	31/12/1990	10/07/2011	118
<i>Plutella xylostella</i>	Diamond-back Moth	insect - moth	01/06/1999	20/05/2010	7
<i>Lampronia fuscata</i>	Scarce Bright	insect - moth	10/05/2008	-	1
<i>Luffia ferchaultella</i>	Virgin Smoke	insect - moth	28/03/1986	30/03/2005	2
<i>Psyche casta</i>	Common Sweep	insect - moth	12/06/1997	-	1
<i>Taleporia tubulosa</i>	Brown Smoke	insect - moth	07/08/1999	03/06/2007	4
<i>Adaina microdactyla</i>	Hemp-agrimony Plume	insect - moth	01/09/1996	20/05/2010	10
<i>Emmelina monodactyla</i>	Common Plume	insect - moth	04/07/2006	-	1
<i>Euleioptilus carphodactyla</i>	Citron Plume	insect - moth	17/06/2003	06/08/2005	4
<i>Oidaematophorus lithodactyla</i>	Dusky Plume	insect - moth	27/07/2004	-	1
<i>Ovendenia lienigianus</i>	Wormwood Plume	insect - moth	28/06/1974	-	1
<i>Oxyptilus laetus</i>	Scarce Light Plume	insect - moth	24/06/1998	-	1
<i>Pterophorus galactodactyla</i>	Spotted White Plume	insect - moth	13/06/2004	10/05/2008	3
<i>Pterophorus pentadactyla</i>	White Plume Moth	insect - moth	27/06/2001	08/07/2010	2
<i>Stenoptilia pterodactyla</i>	Brown Plume	insect - moth	08/08/2003	-	1
<i>Aphomia sociella</i>	Bee Moth	insect - moth	01/06/1999	07/07/2006	3
<i>Cryptoblabes bistriga</i>	Double-striped Knot-horn	insect - moth	10/05/2008	-	1
<i>Dioryctria abietella</i>	Dark Pine Knot-horn	insect - moth	30/05/1997	12/06/2004	4
<i>Dioryctria simplicella</i>	Brown Pine Knot-horn	insect - moth	04/06/1997	-	1
<i>Elegia similella</i>	White-barred Knot-horn	insect - moth	17/06/2003	12/06/2004	2
<i>Endotricha flammealis</i>	Rosy Tabby	insect - moth	17/06/2003	21/07/2006	6
<i>Ephestia parasitella</i>	False Cacao Moth	insect - moth	12/06/2004	27/06/2004	2
<i>Ephestia parasitella subsp. unicolorella</i>		insect - moth	30/05/1997	-	1
<i>Euzophera pinguis</i>	Ash-bark Knot-horn	insect - moth	08/08/2003	25/08/2007	2
<i>Hypochalcia ahenella</i>	Dingy Knot-horn	insect - moth	04/06/1997	-	1
<i>Hypsopygia costalis</i>	Gold Triangle	insect - moth	23/09/2006	-	1
<i>Myelois circumvoluta</i>	Thistle Ermine	insect - moth	04/07/2006	-	1
<i>Oncocera semirubella</i>	Rosy-striped Knot-horn	insect - moth	22/07/1983	25/07/1985	2
<i>Phycita roborella</i>	Dotted Oak Knot-horn	insect - moth	08/08/2003	-	1

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<i>Agrius convolvuli</i>	Convolvulus Hawk-moth	insect - moth	31/12/1990	23/09/2006	2
<i>Deilephila elpenor</i>	Elephant Hawk-moth	insect - moth	31/12/1990	07/07/2006	9
<i>Deilephila porcellus</i>	Small Elephant Hawk-moth	insect - moth	12/06/2004	04/07/2006	2
<i>Hyloicus pinastri</i>	Pine Hawk-moth	insect - moth	27/06/2001	25/08/2006	7
<i>Laothoe populi</i>	Poplar Hawk-moth	insect - moth	14/06/1996	20/05/2010	12
<i>Macroglossum stellatarum</i>	Humming-bird Hawk-moth	insect - moth	31/12/1990	-	1
<i>Mimas tiliae</i>	Lime Hawk-moth	insect - moth	27/06/2001	-	1
<i>Sphinx ligustri</i>	Privet Hawk-moth	insect - moth	27/06/2001	07/07/2006	6
<i>Monopis laevigella</i>	Skin Moth	insect - moth	04/06/1997	-	1
<i>Monopis weaverella</i>	Carrion Moth	insect - moth	30/05/1997	20/05/2010	4
<i>Nemapogon clematella</i>	Barred White Clothes	insect - moth	30/03/2005	-	1
<i>Nemapogon cloacella</i>	Cork Moth	insect - moth	04/06/1997	12/06/1997	2
<i>Tinea semifulvella</i>	Fulvous Clothes	insect - moth	01/06/1999	04/06/2005	4
<i>Tinea trinotella</i>	Bird's-nest Moth	insect - moth	30/05/1997	10/05/2008	4
<i>Triaxomera parasitella</i>	Large Brindled Clothes	insect - moth	27/06/2004	-	1
<i>Emmetia marginea</i>	Bordered Carl	insect - moth	09/10/1996	10/05/2008	6
<i>Tischeria ekebladella</i>	Oak Carl	insect - moth	01/09/1996	19/08/1997	2
<i>Acleris emargana</i>	Notch-wing Button	insect - moth	08/08/2003	-	1
<i>Acleris ferrugana</i>	Rusty Oak Button	insect - moth	09/10/1996	-	1
<i>Acleris hastiana</i>	Sallow Button	insect - moth	27/06/2004	-	1
<i>Acleris laterana</i>	Dark-triangle Button	insect - moth	08/08/2003	06/08/2005	2
<i>Acleris notana</i>	Rusty Birch Button	insect - moth	01/09/1996	12/06/2004	5
<i>Acleris schalleriana</i>	Viburnum Button	insect - moth	01/09/1996	07/08/1999	3
<i>Aethes cricana</i>	Thistle Conch	insect - moth	27/07/2004	-	1
<i>Agapeta hamana</i>	Common Yellow Conch	insect - moth	04/06/1997	06/08/2005	9
<i>Agapeta zoegana</i>	Knapweed Conch	insect - moth	04/06/1997	06/08/2005	6
<i>Aleimma loeflingiana</i>	Yellow Oak Button	insect - moth	27/06/2001	27/06/2004	3
<i>Ancylis badiana</i>	Common Roller	insect - moth	04/06/2005	-	1
<i>Ancylis diminutana</i>	Small Fестоoned Roller	insect - moth	30/05/1997	-	1
<i>Ancylis mitterbacheriana</i>	Red Roller	insect - moth	01/09/1996	20/05/2010	8
<i>Ancylis obtusana</i>	Small Buckthorn Roller	insect - moth	30/05/1997	04/06/2005	5
<i>Ancylis uncella</i>	Bridge Roller	insect - moth	08/08/2003	03/06/2004	2
<i>Apotomis betuletana</i>	Birch Marble	insect - moth	08/08/2003	06/08/2005	2
<i>Apotomis capreana</i>	Sallow Marble	insect - moth	17/06/2003	-	1
<i>Apotomis turbidana</i>	White-shouldered Marble	insect - moth	30/05/1997	10/05/2008	5
<i>Archips podana</i>	Large Fruit-tree Tortrix	insect - moth	27/06/2001	27/06/2004	3
<i>Archips xylosteana</i>	Variegated Golden Tortrix	insect - moth	27/06/2004	-	1
<i>Bactra lancealana</i>	Rush Marble	insect - moth	04/07/2002	10/05/2008	2
<i>Capua vulgana</i>	Common Twist	insect - moth	30/05/1997	20/05/2010	7
<i>Celypha lacunana</i>	Common Marble	insect - moth	06/09/1996	20/05/2010	17
<i>Celypha striana</i>	Barred Marble	insect - moth	12/06/2004	27/06/2004	2
<i>Clepsia consimilana</i>	Privet Twist	insect - moth	12/06/1997	-	1
<i>Cnephasia stephensiana</i>	Grey Tortrix	insect - moth	27/06/2001	-	1
<i>Cochyliodia rupicola</i>	Hemp-agrimony Conch	insect - moth	17/06/2003	-	1

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<i>Cochylimorpha straminea</i>	Straw Conch	insect - moth	04/06/1997	28/05/2006	3
<i>Cochylis atricapitana</i>	Black-headed Conch	insect - moth	03/06/2004	-	1
<i>Cochylis nana</i>	Birch Conch	insect - moth	30/05/1997	03/06/2004	2
<i>Cydia coniferana</i>	Pine-bark Piercer	insect - moth	17/06/2003	-	1
<i>Cydia fagiglandana</i>	Large Beech Piercer	insect - moth	30/05/1997	27/06/2004	5
<i>Cydia pomonella</i>	Codling Moth	insect - moth	06/08/2005	-	1
<i>Cydia splendana</i>	Marbled Piercer	insect - moth	19/08/1997	27/07/2004	3
<i>Cydia ulicetana</i>	Grey Gorse Piercer	insect - moth	30/05/1997	-	1
<i>Ditula angustiorana</i>	Red-barred Tortrix	insect - moth	27/06/2001	12/06/2004	3
<i>Eana incanana</i>	Bluebell Shade	insect - moth	12/06/2004	27/06/2004	2
<i>Endothenia ericetana</i>	Heath Marble	insect - moth	24/06/2002	04/07/2002	2
<i>Epagoge grotiana</i>	Brown-barred Twist	insect - moth	12/06/2004	27/06/2004	2
<i>Epiblema cirsiana</i>	Knapweed Bell	insect - moth	20/05/2010	-	1
<i>Epiblema cynosbatella</i>	Yellow-faced Bell	insect - moth	30/05/1997	10/05/2008	3
<i>Epiblema rosaecolana</i>	Common Rose Bell	insect - moth	12/06/2004	-	1
<i>Epiblema trimaculana</i>	Triple-blotched Bell	insect - moth	27/06/2001	17/06/2003	2
<i>Epiblema uddmanniana</i>	Bramble Shoot Moth	insect - moth	30/05/1997	27/06/2004	5
<i>Epinotia bilunana</i>	Crescent Bell	insect - moth	30/05/1997	04/06/2005	5
<i>Epinotia brunnichana</i>	Large Birch Bell	insect - moth	06/08/2005	-	1
<i>Epinotia demarniana</i>	Birch Bell	insect - moth	30/05/1997	12/06/2004	4
<i>Epinotia immundana</i>	Common Birch Bell	insect - moth	01/06/1999	20/05/2010	4
<i>Epinotia ramella</i>	Small Birch Bell	insect - moth	19/08/1997	06/08/2005	2
<i>Epinotia rubiginosana</i>	Pine Bell	insect - moth	04/06/1997	-	1
<i>Epinotia tetraquetra</i>	Square-barred Bell	insect - moth	30/05/1997	03/06/2004	3
<i>Epinotia trigonella</i>	White-blotch Bell	insect - moth	08/08/2003	-	1
<i>Epiphyas postvittana</i>	Light Brown Apple Moth	insect - moth	08/08/2003	10/05/2008	5
<i>Eucosma campoliliana</i>	Marbled Bell	insect - moth	27/06/2004	-	1
<i>Eucosma cana</i>	Hoary Belle	insect - moth	27/06/2004	06/08/2005	2
<i>Eucosma hohenwartiana</i>	Bright Bell	insect - moth	27/07/2004	06/08/2005	2
<i>Eucosmomorpha albersana</i>	Honeysuckle Bell	insect - moth	03/06/2004	20/05/2010	5
<i>Eulia ministrana</i>	Brassy Twist	insect - moth	01/09/1996	20/05/2010	9
<i>Gypsonoma dealbana</i>	Common Cloaked Shoot	insect - moth	30/05/1997	-	1
<i>Hedya pruniana</i>	Plum Tortrix	insect - moth	04/06/1997	03/06/2004	3
<i>Lathronympha strigana</i>	Red Piercer	insect - moth	30/05/1997	28/05/2006	10
<i>Lobesia reliquana</i>	Oak Marble	insect - moth	30/05/1997	12/06/2004	4
<i>Lozotaenia forsterana</i>	Large Ivy Twist	insect - moth	27/06/2004	-	1
<i>Olindia schumacherana</i>	White-barred Twist	insect - moth	12/06/2004	-	1
<i>Orthotaenia undulana</i>	Woodland Marble	insect - moth	30/05/1997	27/06/2004	4
<i>Pammene argyrana</i>	Black-bordered Piercer	insect - moth	20/05/2010	-	1
<i>Pammene fasciana</i>	Acorn Piercer	insect - moth	27/06/2001	-	1
<i>Pammene germmana</i>	Black Piercer	insect - moth	04/06/1997	27/06/2004	4
<i>Pammene obscurana</i>	Obscure Birch Piercer	insect - moth	12/06/2004	10/05/2008	2
<i>Pandemis cerasana</i>	Barred Fruit-tree Tortrix	insect - moth	04/06/1997	27/06/2004	5
<i>Pandemis cinnamomeana</i>	White-faced Twist	insect - moth	04/06/1997	27/06/2004	5

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Pandemis corylana</i>	Chequered Fruit-tree Tortrix	insect - moth	08/08/2003	23/08/2008	3
<i>Pandemis heparana</i>	Dark Fruit-tree Tortrix	insect - moth	27/06/2001	12/06/2004	2
<i>Phtheochroa inopiana</i>	Plain Conch	insect - moth	27/07/2004	-	1
<i>Pseudargyrotoza conwagana</i>	Yellow-spot Twist	insect - moth	30/05/1997	12/06/2004	5
<i>Pseudococcyx turionella</i>	Pine Bud Moth	insect - moth	10/05/2008	-	1
<i>Ptycholoma lecheana</i>	Brindled Twist	insect - moth	08/08/2003	-	1
<i>Rhopobota naevana</i>	Holly Tortrix	insect - moth	30/05/1997	-	1
<i>Rhyacionia pinivorana</i>	Spotted Shoot Moth	insect - moth	03/06/2004	12/06/2004	2
<i>Spatalistis bifasciana</i>	Small Purple Button	insect - moth	30/05/1997	04/06/2005	6
<i>Spilonota loricana</i>	Larch-bud Moth	insect - moth	01/06/1999	27/06/2004	4
<i>Spilonota ocellana</i>	Bud Moth	insect - moth	04/07/2002	-	1
<i>Strophedra weirana</i>	Little Beech Piercer	insect - moth	09/10/1996	07/08/1999	2
<i>Syndemis musculana</i>	Dark-barred Twist	insect - moth	30/05/1997	20/05/2010	5
<i>Tortricodes alternella</i>	Winter Shade	insect - moth	19/02/1988	-	1
<i>Tortrix viridana</i>	Green Oak Tortrix	insect - moth	20/06/2000	27/06/2004	7
<i>Cedestis subfasciella</i>	Brown Pine Ermel	insect - moth	10/05/2008	-	1
<i>Pseudoswammerdamia combinella</i>	Copper-tipped Ermel	insect - moth	30/05/1997	-	1
<i>Swammerdamia caesiella</i>	Birch Ermel	insect - moth	09/10/1996	20/05/2010	5
<i>Yponomeuta evonymella</i>	Bird-cherry Ermine	insect - moth	27/06/2001	-	1
<i>Yponomeuta plumbella</i>	Black-tipped Ermine	insect - moth	06/09/1996	-	1
<i>Yponomeuta sedella</i>	Grey Ermine	insect - moth	31/12/1900	-	1
<i>Ypsolopha dentella</i>	Honeysuckle Moth	insect - moth	08/08/2003	-	1
<i>Ypsolopha nemorella</i>	Hooked Smudge	insect - moth	24/06/2002	08/08/2003	2
<i>Zygaena filipendulae</i>	Six-spot Burnet	insect - moth	31/12/1990	26/06/1996	2
<i>Zygaena trifolii form decreta</i>	Five-spot Burnet	insect - moth	31/12/1990	-	1
<i>Odonata</i>	Indet Dragon/Damselfly	insect - dragonfly (Odonata)	08/09/2012	-	1
<i>Zygoptera</i>	Damselfly	insect - dragonfly (Odonata)	08/09/2012	-	2
<i>Aeshna cyanea</i>	Southern Hawker	insect - dragonfly (Odonata)	31/12/1965	08/09/2012	15
<i>Aeshna grandis</i>	Brown Hawker	insect - dragonfly (Odonata)	31/08/1991	16/06/1998	3
<i>Aeshna mixta</i>	Migrant Hawker	insect - dragonfly (Odonata)	31/12/1965	08/09/2012	10
<i>Anax imperator</i>	Emperor Dragonfly	insect - dragonfly (Odonata)	31/08/1991	08/09/2012	12
<i>Brachytron pratense</i>	Hairy Dragonfly	insect - dragonfly (Odonata)	31/08/1991	-	1
<i>Coenagrion puella</i>	Azure Damselfly	insect - dragonfly (Odonata)	31/12/1965	08/09/2012	25
<i>Enallagma cyathigerum</i>	Common Blue Damselfly	insect - dragonfly (Odonata)	31/08/1991	31/12/2000	4
<i>Ischnura elegans</i>	Blue-tailed Damselfly	insect - dragonfly (Odonata)	31/08/1991	08/09/2012	5
<i>Pyrrhosoma nymphula</i>	Large Red Damselfly	insect - dragonfly (Odonata)	31/08/1991	17/04/2008	14
<i>Libellula depressa</i>	Broad-bodied Chaser	insect - dragonfly (Odonata)	31/12/1965	12/05/2010	19
<i>Libellula quadrimaculata</i>	Four-spotted Chaser	insect - dragonfly (Odonata)	31/12/1965	-	1
<i>Orthetrum cancellatum</i>	Black-tailed Skimmer	insect - dragonfly (Odonata)	31/08/1991	-	1
<i>Sympetrum sanguineum</i>	Ruddy Darter	insect - dragonfly (Odonata)	31/08/1991	31/12/2001	4
<i>Sympetrum striolatum</i>	Common Darter	insect - dragonfly (Odonata)	31/12/1944	08/09/2012	35
<i>Chorthippus brunneus</i>	Field Grasshopper	insect - orthopteran	08/07/1997	-	2
<i>Omocestus rufipes</i>	Woodland Grasshopper	insect - orthopteran	31/12/1990	19/09/1995	3
<i>Conocephalus fuscus</i>	Long-winged Cone-head	insect - orthopteran	31/12/1990	08/08/1999	2

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Meconema thalassinum</i>	Oak Bush-cricket	insect - orthopteran	31/12/1990	-	1
<i>Leptophyes punctatissima</i>	Speckled Bush-cricket	insect - orthopteran	08/07/1997	-	2
<i>Pholidoptera griseoaptera</i>	Dark Bush-cricket	insect - orthopteran	31/12/1990	27/07/2011	3
<i>Collembola</i>	Springtail	springtail (Collembola)	08/09/2012	-	1
<i>Anguilla anguilla</i>	European Eel	bony fish (Actinopterygii)	01/05/1999	-	1
<i>Cyprinus carpio</i>	Common Carp	bony fish (Actinopterygii)	08/04/2005	-	1
<i>Bufo bufo</i>	Common Toad	amphibian	01/01/1988	26/03/2010	8
<i>Rana temporaria</i>	Common Frog	amphibian	01/01/1988	12/02/2013	25
<i>Lissotriton</i>		amphibian	08/09/2012	12/02/2013	2
<i>Lissotriton helveticus</i>	Palmate Newt	amphibian	31/12/1990	08/05/2009	15
<i>Lissotriton vulgaris</i>	Smooth Newt	amphibian	31/12/1990	08/05/2009	18
<i>Triturus cristatus</i>	Great Crested Newt	amphibian	08/04/2005	22/04/2005	4
<i>Capreolus capreolus</i>	Roe Deer	terrestrial mammal	18/01/2002	02/06/2009	7
<i>Vulpes vulpes</i>	Red Fox	terrestrial mammal	31/12/1972	16/04/2010	15
<i>Meles meles</i>	Badger	terrestrial mammal	31/12/1993	27/02/2006	16
<i>Mustela erminea</i>	Stoat	terrestrial mammal	09/04/2008	14/04/2011	2
<i>Chiroptera</i>	Bat sp.	terrestrial mammal	22/04/1988	22/04/2005	6
<i>Eptesicus serotinus</i>	Serotine	terrestrial mammal	31/12/1990	12/06/2005	4
<i>Myotis</i>	Unidentified Bat	terrestrial mammal	09/09/1986	-	1
<i>Myotis bechsteinii</i>	Bechstein's Bat	terrestrial mammal	17/07/2006	-	1
<i>Myotis nattereri</i>	Natterer's Bat	terrestrial mammal	31/12/1990	17/07/2006	3
<i>Nyctalus noctula</i>	Noctule Bat	terrestrial mammal	31/12/1990	12/06/2005	2
<i>Pipistrellus</i>	Pipstrelle sp.	terrestrial mammal	22/04/1988	28/08/2010	28
<i>Pipistrellus pygmaeus</i>	Soprano Pipstrelle (55 kHz)	terrestrial mammal	17/07/2006	-	2
<i>Plecotus</i>	Long-eared sp.	terrestrial mammal	04/02/2004	01/11/2013	4
<i>Plecotus auritus</i>	Brown Long-eared Bat	terrestrial mammal	09/09/1986	04/02/2012	6
<i>Erinaceus europaeus</i>	West European Hedgehog	terrestrial mammal	04/07/1965	15/04/2011	24
<i>Sorex araneus</i>	Eurasian Common Shrew	terrestrial mammal	23/04/1965	29/10/2008	6
<i>Sorex minutus</i>	Eurasian Pygmy Shrew	terrestrial mammal	08/04/2007	12/11/2009	7
<i>Talpa europaea</i>	European Mole	terrestrial mammal	31/12/1902	18/02/2006	11
<i>Lepus europaeus</i>	Brown Hare	terrestrial mammal	31/12/1965	08/09/2000	2
<i>Oryctolagus cuniculus</i>	European Rabbit	terrestrial mammal	17/06/1968	24/04/2004	16
<i>Apodemus flavicollis</i>	Yellow-necked Mouse	terrestrial mammal	24/05/2000	29/10/2008	3
<i>Apodemus sylvaticus</i>	Wood Mouse	terrestrial mammal	02/10/1999	12/11/2009	21
<i>Arvicola amphibius</i>	European Water Vole	terrestrial mammal	31/12/1998	-	1
<i>Micromys minutus</i>	Harvest Mouse	terrestrial mammal	18/11/2000	11/02/2010	3
<i>Myodes glareolus</i>	Bank Vole	terrestrial mammal	25/05/2000	05/04/2006	8
<i>Rattus norvegicus</i>	Brown Rat	terrestrial mammal	21/01/2002	-	1
<i>Muscardinus avellanarius</i>	Hazel Dormouse	terrestrial mammal	23/01/2004	21/10/2011	304
<i>Sciurus carolinensis</i>	Eastern Grey Squirrel	terrestrial mammal	31/12/1935	13/12/2004	33
<i>Sciurus vulgaris</i>	Eurasian Red Squirrel	terrestrial mammal	31/12/1920	-	1
<i>Anguis fragilis</i>	Slow-worm	reptile	01/01/1989	17/09/2010	29
<i>Natrix natrix</i>	Grass Snake	reptile	31/12/1990	27/07/2011	17
<i>Zootoca vivipara</i>	Common Lizard	reptile	21/05/1988	27/07/2011	18

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Vipera berus</i>	Adder	reptile	21/05/1988	02/06/2009	11
<i>Bivalvia</i>	Fresh Water Mollusc	mollusc	08/09/2012	-	4
<i>Musculium lacustre</i>		mollusc	08/05/2009	-	1
<i>Sphaerium corneum</i>		mollusc	08/05/2009	-	1
<i>Acroloxus lacustris</i>	Lake limpets	mollusc	08/09/2012	-	2
<i>Deroceras (Deroceras) panormitanum</i>	Caruana's Slug	mollusc	08/07/1997	-	1
<i>Deroceras (Deroceras) reticulatum</i>	Grey Field Slug	mollusc	08/07/1997	-	1
<i>Cochlodina (Cochlodina) laminata</i>	Plaited Door Snail	mollusc	31/07/1997	-	1
<i>Ceriuella (Ceriuella) virgata</i>	Striped Snail	mollusc	08/07/1997	-	1
<i>Tandonia budapestensis</i>	Budapest Slug	mollusc	08/07/1997	-	1
<i>Discus (Gonyodiscus) rotundatus</i>	Rounded Snail	mollusc	08/07/1997	-	1

MAP CITATION SHEETS

SITE OF NATURE CONSERVATION IMPORTANCE (SNCI)

Sites of Nature Conservation Importance (SNCIs) are non-statutory designations which are identified at a county level. They typically form a network of sites that are recognised to be of local conservation importance and are often included in Local Authority development plans. In other areas of the country they are sometimes called SINCs (Sites of Importance for Nature Conservation) or County Wildlife sites.

There are many sites within East and West Sussex and Brighton and Hove that are not recognised under the national designation of SSSI (Site of Special Scientific Interest) but are of considerable wildlife value due to the special interest of their flora or fauna. In May 1990 a Sussex-wide project was instigated to identify which non-designated sites were important for wildlife. The selected sites are now known as SNCIs. The aim of this identification was to protect such sites from land management changes, which may lessen their nature conservation interest, and to encourage sensitive management to maintain and enhance their importance.

Sites within both rural and urban areas were considered but the evaluation process considers two types of site under slightly different criteria:

- **Rural sites**, that may contain habitats such as heathland or ancient woodland, must be of county-wide importance.
- **Urban sites** must recognise the importance to safeguard important urban wildlife sites, to link all significant greenspaces and to ensure that people in towns have easy access to wildlife areas.

The selection of SNCIs was made, after extensive survey work, by a panel of expert ecologists. This panel included representatives from the relevant County Council, English Nature (now Natural England) and the Sussex Wildlife Trust. A range of specialists with either specific species knowledge or a sound knowledge of the county's ecology were also involved with the selection process. Assessment and identification of SNCIs is a continuing process with new sites being identified and others deleted as ecological knowledge of the total resource and specific sites increase.

In West Sussex SNCI selection is steered by the County Council, whereas in East Sussex it is steered by the District Councils. Currently there are over 600 SNCIs in Sussex.

Although SNCIs have no statutory protection they need to be considered in the planning process through Planning Policy Guidance such as PPG9 which refers to the Town & Country Planning Act 1990 Section 30. This states that nature conservation issues should be included in the surveys of local authority areas to ensure that the plans are based on fully adequate information about local species, habitats, geology and landform. Plans should be concerned not only with designated areas but also with other land of conservation value and the possible provision of new habitats.

SNCI site accounts outline the characteristics of the area based on its semi-natural vegetation and the underlying geology and are in three main sections :-

- **Summary** which highlights the nature conservation importance of the site
- **Site description or site notes** which gives further descriptive details about the site and its associated species
- **Management recommendations** which give a brief indication of the type of management that would best maintain the nature conservation interest of the site.

It is important to realise that classification as an SNCI in no way reduces the value of other wildlife sites. Sites of SNCI quality may not have been surveyed for various reasons. All areas of semi-natural vegetation are important to wildlife. Many rare plants and animals occur in seemingly otherwise uninteresting sites and may be overlooked by the survey.

SITE OF NATURE CONSERVATION IMPORTANCE (SNCI)

West Sussex

Site Name:	Binsted Wood Complex		
Site Ref:	Ar02	Owner:	Private
District:	Arun	Size (ha):	217.3
Parish:	Walberton & Arundel	Date:	Identified May 1992. Revised May 1994 & 2003.
National Grid Ref:	SU995068	Author:	Louise Clark & Graham Roberts
Habitat:	Semi-natural woodland		

Summary

Binsted Wood is a complex of woodland sites which includes Hundredhouse Copse in the west and Stewards Copse to the east. There is a mixture of ancient woodland, recent woodland, conifer plantation, species rich pasture and old tracks and shaws. The mix of habitats and geology gives rise to a very rich and diverse flora. The paths and rides are especially species rich and Scotland Lane supports an outstanding wet ride flora that includes at least 11 species of sedge including Long-stalked Yellow-sedge (*Carex viridula ssp. brachyrhyncha*), a county rarity at its only recorded West Sussex location. This is the largest block of ancient semi-natural woodland south of the South Downs in Sussex.

Site description

Oak-Hazel woodland is the predominant type of this complex. Oak dominates the canopy with Birch and Sweet Chestnut and an irregular understorey of Hazel. Sweet Chestnut coppice dominates in some areas. The ground flora is mostly Bracken (*Pteridium aquilinum*) and Bramble (*Rubus fruticosus*) with carpets of Bluebell (*Hyacinthoides non-scripta*) and Wood Anemone (*Anemone nemorosa*).

Ash-Field Maple woodland also occurs. Ash, Wild Cherry, Birch and Oak form the canopy in these areas with a shrub layer of Hazel, Field Maple and Dogwood. Some very old Ash coppice stools are present. The ground flora is very rich. Species of particular note include Common Cow-wheat (*Melampyrum pratense*), Saw-wort (*Serratula tinctoria*), Tutsan (*Hypericum androsaemum*), Spurge Laurel (*Daphne laureola*), Butcher's Broom (*Ruscus aculeatus*) and Orpine (*Sedum telephium*). Early-purple Orchids (*Orchis mascula*) occur in abundance and have been counted in thousands in Ash Piece, for example. The rare Adder's-tongue Fern (*Ophioglossum vulgare*) has also been recorded here.

There is a rich butterfly fauna including Ringlet, Silver-washed Fritillary, White Admiral and Purple Emperor. Freshwater Cockles, first recorded from Binsted Brook in 1896, still occur there. Glow-worms have been seen.

Scotland Lane is a wide, damp ride with a very diverse flora including various sedges with large stands of Long-stalked Yellow-sedge as well as Green-ribbed Sedge *Carex binervis*, Wood Sedge *C. sylvatica*, Oval Sedge *C. ovalis* and Grey Sedge *C. divulsa* along with Lesser Skullcap *Scutellaria minor*, Ragged Robin *Lychnis flos-cuculi*, and Betony *Stachys officinalis*. The drier margins of the ride support Gorse *Ulex europaeus* and Ling *Calluna vulgaris*.

Management recommendations

A continuation of coppicing in Paines Wood would be most appropriate for conservation. Conifers should be gradually removed and replaced with broadleaved species by natural regeneration and some larger, heathy glades created on areas of more acid soils. Elsewhere intensive management is probably not desirable and low intensity coppicing or selective felling could be considered. However, re-opening some of the main rides through the complex would be of conservation benefit. Rhododendron and Sycamore should be controlled.

SITE OF NATURE CONSERVATION IMPORTANCE (SNCI)

West Sussex

Site Name:	Rewell Wood Complex		
Site Ref:	Ar07	Owner:	Private
District:	Arun	Size (ha):	678.7
Parish:	Arundel, Walberton, Slindon, Madehurst & Houghton	Date:	Identified May 1992
National Grid Ref:	SU985080	Author:	Graham Roberts
Habitat:	Semi-natural woodland, broadleaved plantation, coniferous plantation, chalk grassland and gravel pit		

Summary

Rewell Wood is a large ancient woodland complex. It has a diversity of habitats including ancient semi-natural woodland, worked Sweet Chestnut coppice, conifer plantation, Beech plantation and species-rich chalk grassland. Wide rides and glades support a rich flora and butterfly fauna. The disused gravel pits are of entomological importance.

Site description

Rewell Wood lies on two distinct geological formations, Upper Chalk and Valley Gravel. The vegetation is thus varied, including both calcicoles and calcifuges.

The semi-natural woodland contains Pedunculate Oak, Beech, Ash, Field Maple and Hazel. These are extensive areas of worked Chestnut coppice. Both types of woodland have dense carpets of Bluebells (*Hyacinthoides non-scripta*) with Wood Spurge (*Euphorbia amygdaloides*), Honeysuckle (*Lonicera periclymenum*), Pignut (*Conopodium majus*), Bugle (*Ajuga reptans*), Early-purple Orchid (*Orchis mascula*), Tutsan (*Hypericum androsaemum*) and Spurge Laurel (*Daphne laureola*). The rare Small Teasel (*Dipsacus pilosus*) has been recorded in Screens Wood.

Many of the wide rides and woodland glades support species-rich chalk grassland. The interesting flora includes Cowslip (*Primula veris*), Sweet Violet (*Viola odorata*), Hairy Violet (*Viola hirta*), Columbine (*Aquilegia vulgaris*), Fairy Flax (*Linum catharticum*), Wild Strawberry (*Fragaria vesca*), Marjoram (*Origanum vulgare*), Salad Burnet (*Sanguisorba minor*) and Musk Mallow (*Malva moschata*). The rare White Mullein (*Verbascum lychnitis*) has been found at the eastern end.

The area has an extremely rich butterfly fauna which includes Dingy Skipper, Grizzled Skipper, Green Hairstreak, Duke of Burgundy, Pearl-bordered Fritillary, White Admiral and Purple Emperor. Many of these are regionally uncommon. The Drab Looper, a very rare moth, has been recorded.

Rewell Wood supports a good population of Dormice. About six pairs of Nightjar breed annually.

Management recommendations

The present Chestnut coppice cycle should be maintained. Scrub should be prevented from invading herb-rich chalk grassland. Selective ride management notably widening and creation of bays could greatly enhance the site for butterflies.

KEY NATIONAL AND INTERNATIONAL SITE DESIGNATIONS

National Nature Reserve (NNR)

National Nature Reserves are statutory reserves established under the Wildlife and Countryside Act 1981. NNRs may be owned by the relevant national body (e.g. Natural England in England) or established by agreement. A few are owned and managed by non-statutory bodies, for example the Sussex Wildlife Trust. NNRs cover a selection of the most important sites for nature conservation in the UK. There are six NNRs in Sussex.

Special Area of Conservation (SAC)

Special Areas of Conservation are sites designated by Member States under the EC Habitats Directive. The aim is to establish a European network of important high quality conservation sites that will make a significant contribution to conserving habitats and species considered to be most in need of conservation at a European level. There are 12 SAC sites in Sussex.

Special Protection Area (SPA)

Special Protection Areas are designated under the EC Birds Directive, to conserve the habitat of certain rare or vulnerable birds and regularly occurring migratory birds. Any significant pollution or disturbance to or deterioration of these sites has to be avoided. All SPAs are also designated as SSSIs. There are six SPA sites in Sussex.

Ramsar

Ramsar sites are designated under the Convention on Wetlands of International Importance. Under the Convention, each government must select its best wetlands according to very clear criteria, which include: a wetland that regularly supports 20,000 or more waterbirds; a wetland that regularly supports 1% of the individuals in a population of one species or subspecies of waterbird. Wetlands are broadly defined to include marsh, fen, peatland and water. All designated Ramsar sites are also designated as SSSIs. There are four Ramsar sites in Sussex.

National Park

National Parks are beautiful, spectacular and often dramatic expanses of countryside. In the UK people live and work in the National Parks and the farms, villages and towns are protected along with the landscape and wildlife. They differ from Areas of Outstanding Natural Beauty (AONBs) in that each National Park has its own authority for planning control and other services.

The creation of the South Downs National Park (SDNP) was confirmed on 12th November 2009 and came into being on 1st April 2010.

Further information can be found on the [SDNP Authority website](#).

Area of Outstanding Natural Beauty (AONB)

Areas of Outstanding Natural Beauty are areas of high scenic quality that have statutory protection in order to conserve and enhance the natural beauty of their landscapes. They differ from National Parks in their more limited opportunities for extensive outdoor recreation and by the way they are managed. AONBs are designated by Natural England under the Countryside and Rights of Way Act 2000.

There are two AONBs in Sussex covering approx. 114,000 hectares; Chichester Harbour and High Weald. Each has an associated body concerned with the area's conservation:

Chichester Harbour Conservancy www.conservancy.co.uk

High Weald AONB Unit www.highweald.org

Local Nature Reserve (LNR)

Local Nature Reserves are for both people and wildlife. All district and county councils have powers to acquire, declare and manage LNRs. To qualify for LNR status, a site must be of importance for wildlife, geology, education or public enjoyment. Some are also SSSIs. There are 36 LNRs in Sussex.

Country Park

Country Parks were established as a result of the 1968 Countryside Act to provide a wide range of opportunities for recreation, health, education and improve the quality of life for local communities. Natural England recognises Country Parks as significant places that contribute to England's accessible natural green space. There are 11 Country Parks in Sussex, the details of which can be obtained from the local authorities.

Local Geological Site (LGS)

Local Geological Sites are non-statutory sites that have been identified by local geoconservation groups as being of importance. They are also known as Regionally Important Geological/Geomorphological Sites (RIGGS). A potential LGS in Sussex is assessed by the Sussex Geodiversity Group and, if a site is duly recommended, is notified to the relevant local authority. By designating a LGS, the features identified then become a material consideration in any future development. There are over 120 LGS in Sussex.

Marine Site of Nature Conservation Importance (MSNCI)

Marine Sites of Nature Conservation Importance are non-statutory sites identified on account of the special interest of their marine habitats, the fauna and flora, or for unusual geological and geomorphological features. They are an extension of the series of terrestrial SNCIs. The identification of these sites is to highlight their importance for marine wildlife and to emphasise the risks of certain operations damaging their interest. There are 23 MSNCIs off the Sussex coast.

Further information on many of the designations listed above can be found on the [Natural England website](#).

West Sussex Local Geological Site (LGS) Survey 2012



Condition Monitoring Form for NI 197 Reporting

Woods Mill, Henfield, West Sussex BN5 9SD. Tel: 01273 497521
Email: sxbrcc@sussexwt.org.uk Website: www.sxbrcc.org.uk

1. Site Information									
Site Name & LGS ID		Slindon Common Gravel Pit			SU90/25				
Site Type		ED			Grid Reference		SU979073		
Date of Visit		15/10/2012			Local Authority				
Surveyor		Peter Anderton			Landowner		Angmering Park Estate		
1:50,000 BGS Sheet no.		317/332			1:25,000 OS Sheet no.		121		
RIGS designation		Scientific	<input checked="" type="checkbox"/>	Educational	<input checked="" type="checkbox"/>	Aesthetic		Historical	
<p>Interest Feature(s): Disused sand and gravel quarry where landscaping and restoration has been completed. Now used for 4x4 sports and training. Exposes Middle Pleistocene raised beach deposits in faces up to 3m high, mostly Eartham Formation solifluction deposits with flint gravels. Quarry is floored by Slindon sands but these are disturbed and re-worked by vehicles.</p> <p>Stratigraphy: Slindon Formation, Middle Pleistocene (Cromerian IV in age). Up to 3m thick. Eartham Formation, Middle Pleistocene (Anglian/Elsterian in age). Unconformable on Slindon Formation. Up to 6m thick.</p> <p>Sedimentology: Slindon Formation: sands with minor gravels deposited in marine nearshore and littoral environments. Eartham Formation: clay rich or silty solifluction deposits with flint fragments and flint gravels. Probably decalcified as chalk fragments are absent. Brickearth at base. Deposited in terrestrial environments.</p> <p>Sedimentary structures: coarsely bedded with crumbly or flaky weathered surfaces which obscure any finer detail. Layers are contorted due to subsidence into dissolution pipes in the underlying chalk.</p> <p>Palaeontology: No fossils reported.</p>									
Previous management and dates (if any)									

2. Primary Factors

Bedrock feature	Is (are) the feature(s) exposed?	N/A	If No, can it (they) practically be re-exposed?	
	Is (are) the feature(s) being affected by the following factors?			
	Factor	Y/N	Comments	
	Vegetation			
	Scree/Mass Movement			
	Flooding			
	Dumping/Landfill			
	Quarrying/Engineering Works			
Development (housing/industrial)				
Others (please define) –				
Superficial deposit feature	Is (are) the feature(s) exposed?	Y	If No, can it (they) practically be re-exposed?	
	Is (are) the feature(s) being affected by the following factors?			
	Vegetation (Trees or crop planting)	Y	Trees now cover much of the site but sections are exposed at the edge of the former sand and gravel excavations and where cycle and 4x4 tracks have caused erosion.	
	Agricultural practices (deep ploughing)	N		
	Quarrying/Engineering Works	N		
	Development (housing/industrial)	N		
Others (please define) – Recreation	Y	4x4 activities disturb and rework deposits but also expose sections through erosion		

Geomorphology feature	Is (are) the geomorphological feature(s) being allowed to evolve naturally?	N/A		
	Is (are) the feature(s) being affected by the following factors?			
	Vegetation			
	Sea Defences			
	River Management			
	Ground Stabilisation (slopes/sand dunes)			
	Water level change			
Development (housing/industrial)				
Others (please define) –				

3. Secondary Factors

Factors that do not directly affect the feature(s) but may need to be managed in order for feature(s) to maintain a desirable condition

	Factor	Y/N	Comments
Site access	Are any of the following causing difficulties in accessing the site?		
	Physical obstacles	N	
	Landowner permissions	N	
	Protected species/habitats	N	
	Other (please define) Recreational 4x4 activities	Y	Visits are only possible when 4x4 activities and events are not scheduled
Furniture	Are any of the following in an undesirable condition?		
	Interpretation Boards	N/A	
	Benches/Fences/Gates	N/A	
	Earthworks	N/A	
	Other (please define)		
Other features	Are there any other features of interest that should be considered?		
	Biodiversity	Y	This area falls into the West Sussex Sites of Nature Conservation Importance and is part of the Rewell Wood Complex. There are several rare species known from the quarry area including various solitary bees and wasps which use the bare sandy area for hunting and nest sites. However there is currently no protection in place.
	Historic Environment	Y	A tile kiln probably from 17th century, and a lime kiln were located on this site at SU978073 but there is no trace now.
	Other (please define)		

4. Site Status

Overall, is the site in a desirable condition for use(s) of the feature(s) identified?

Yes / No / Uncertain

If Yes - what management is required (if any) for the feature(s) to maintain a desirable condition:

The low faces still exposed at the northern edge of the excavations should be kept clear of vegetation. Other minor exposures are continually being created and modified by 4x4 activities on the site.

For the above, is the management: *Being undertaken / Going to be undertaken / Not going to be undertaken / Not possible*

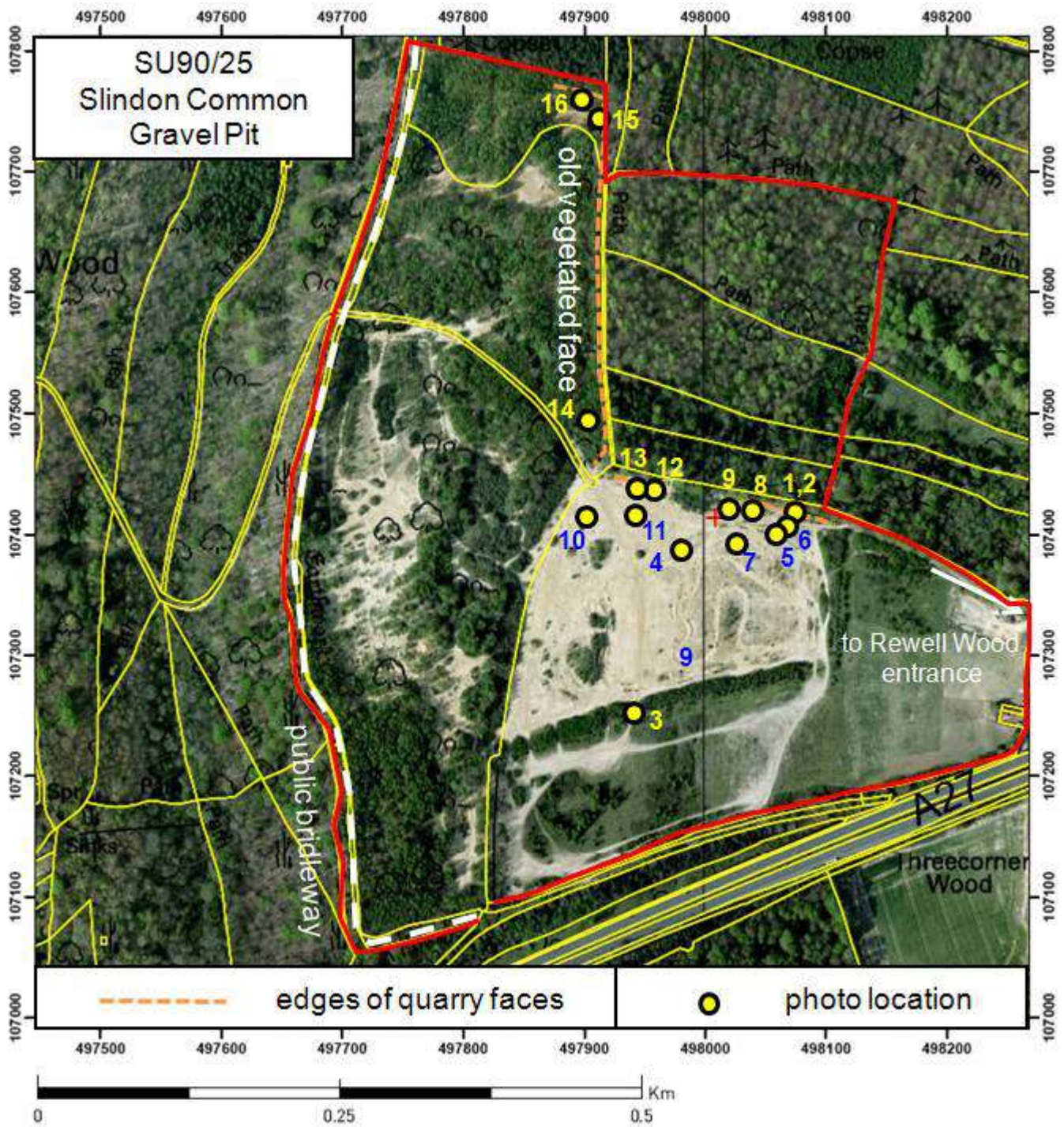
If Uncertain or No - what management is required for the feature(s) to reach and maintain a desirable condition:

For the above, is the management: *Being undertaken / Going to be undertaken / Not going to be undertaken / Not possible*

Are there any secondary factors that need further management?

Yes / No / Not applicable

Suggested management in order for the feature(s) to reach/maintain a desirable condition:



Key to Map:

 LGS

Regionally Important Geological/Geomorphological Sites (RIGGS) data is maintained by SxBRC on behalf of Sussex Geodiversity Group. © Crown Copyright. All rights reserved 2012.

RGB Aerial Photography - ©GeoPerspectives, 2007. (WSCC).

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Photos



1. Main floor of quarry from northern edge, now infilled and landscaped and used for 4x4 activities. Floored by Slindon Formation sands. Grid ref 98080742 Direction SSW



2. Main floor of quarry from northern edge, now infilled and landscaped and used for 4x4 activities. Floored by Slindon Formation sands. Grid ref 98080742 Direction WSW



3. Main floor of quarry from southern edge, now infilled and landscaped and used for 4x4 activities. Floored by Slindon Formation sands. Low faces along northern edge expose Eartham Formation deposits. Grid ref 97940725 Direction NNE



4. Eastern end of northern edge with low face exposing Eartham Formation solifluction deposits. Grid ref 97980739 Direction ENE



5. Part of eastern end of face in photo 4, about 3m high. Exposes solifluction deposits of the Eartham Formation. Grid ref. 98060740. Direction north.



6. Close-up of face shown in photo 5. Solifluction deposits of the Eartham Formation showing angular flint fragments in a silt/clay matrix. 1m pole for scale. Grid ref. 98070741. Direction north.



7. Western end of face shown in photo 4, up to m high. Exposes Eartham Formation clay/silt rich solifluction deposits with flint fragments and gravels. Grid ref 98010741. Direction north.



8. Close-up of eastern end (right) of face in photo 7. Clay/silt rich solifluction deposits of the Eartham Formation with flint fragments and flint gravels. Flint rich lobe at left may be a result of collapse into underlying dissolution pipe in chalk. 1m pole for scale. Grid ref. 98030739. Direction NNE.



9. Close-up of western end (left) of face in photo 7. Exposes clay/silt rich Eartham Formation solifluction deposits with flint fragments. 1m pole for scale. Grid ref. 98020742. Direction north.



10. Eastern end of northern edge with low face exposing Eartham Formation solifluction deposits. A series of 4x4 tracks cut across the pit edge. Grid ref. 97900742. Direction ENE.



11. Closer view of centre of pit edge shown in photo 10. Low face about 3m high exposes Eartham solifluction deposits. 4x4 track at left. Grid ref. 97940742. Direction north.



12. Close-up of eastern end (right) of face shown in photo 11. Eartham Formation clay/silt rich solifluction deposits at centre are overlain flint gravels which thicken laterally probably due to collapse into dissolution pipes in the underlying chalk. 1m pole for scale. Grid ref. 97960744. Direction NNW.



13. Close-up of western end (left) of face shown in photo 11. Exposes clay/silt rich Eartham Formation solifluction deposits with flint gravel layers and a flint rich pipe (collapse structure) at centre. 1m pole for scale. Grid ref. 97940744. Direction ENE.



14. Former quarry edge about 3m high, now with tree and other vegetation cover. Grid ref 97900750. Direction east.



15. 4x4 track cutting across former quarry edge and exposing clay/silt rich Eartham Formation solifluction deposits with flint gravels. 1m pole for scale. Grid ref. 97910775. Direction east.



16. Scraped section of former quarry edge showing clay/silt rich Eartham Formation solifluction deposits with flint gravels. 1m pole for scale. Grid ref. 97900776. Direction north.

ANCIENT & VETERAN TREES

Ancient trees form a vital part of our landscape, heritage and biodiversity. They are scattered through most parts of the UK landscape where they are found in exceptionally large numbers compared with north east Europe. Ancient trees can be most easily found in the vestiges of the once extensive Royal Hunting Forests, such as Ashdown Forest, and medieval parks. Others occur in historic parkland, landscaped gardens, woodland, wood pasture and ancient wooded commons. There are also small groups and individual trees scattered around housing estates, urban parks, village greens and churchyards. Some ancient trees are found on farmland, usually in hedgerows or old boundary features.

In Sussex, some of the largest recorded girths belong to: the Queen Elizabeth oak of 12.67m at Cowdray Park, a yew of 8.5m in Wilmington churchyard; a beech of 8.4m on Ashdown Forest; and a sweet chestnut of 7.2m at Herstmonceux Castle.

There are different definitions for mature trees, depending mainly on their stage of life:

Ancient trees. Biologically, aesthetically or culturally interesting because of their great age; In ancient or post-mature stage of life; Have a large girth relative to others of the same species.

Veteran trees. Usually in the second or mature stage of life; Have important wildlife and habitat features including hollowing or associated decay fungi, holes, wounds and large dead branches.

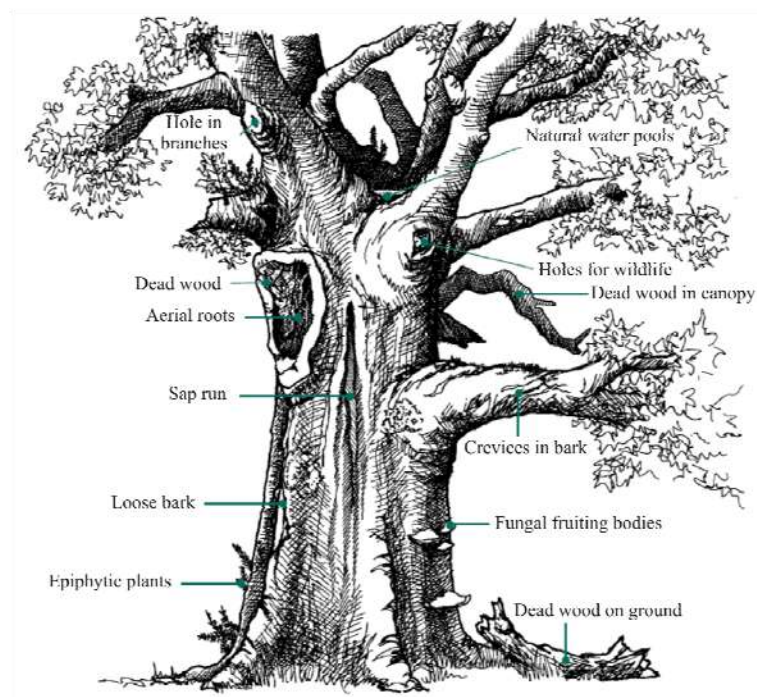
Notable trees. Locally important or of significance to the community; Specimen trees or considered to be the potential next generation of veteran trees.

Ancient tree ecology

Ancient trees are unique as a wildlife habitat because of the exceptionally species-rich communities associated with wood decay and the bare surfaces of trunks, bough and roots. Clusters of ancient trees are even more important because together they offer a wide range of niche homes for many specialist species in one small area.

Approximately 1,700 (6%) invertebrate species in the British Isles are dependent on decaying wood to complete their life cycles. Species associated with decaying wood include: rare click beetles such as the violet click beetle *Limoniscus violaceus*, the wasp mimic crane fly *Ctenophora flaveolata* and the oak longhorn beetle *Rhagium mordax*. The black-headed cardinal beetle *Pyrochroa coccinea* is an insect associated with veteran trees and old growth woodland.

Old trees with splits, cracks, loose bark, holes and crevices are especially attractive to bats and in particular to woodland specialists such as the rare Barbastelle and Bechstein's bat.



Characteristic features of a veteran tree

Source: *Veteran Trees: A guide to good management*. Natural England, 2000.

The Ancient Tree Hunt

The Ancient Tree Hunt is a nationwide search to map all of the old trees in the UK in order to plan for their active conservation. This project, led by the Woodland Trust in partnership with the Ancient Tree Forum and Tree Register of the British Isles, was launched in 2007.

Most of the trees recorded can be viewed on their website: www.ancient-tree-hunt.org.uk

ANCIENT WOODLAND

Ancient woodland is defined by Natural England as a site that has had a continuous woodland cover since at least 1600 AD. It is an irreplaceable, wildlife-rich habitat, and often includes important archaeological features.

Sussex is one of the most wooded parts of lowland Britain with ancient woodland covering approximately 39,000ha (10%) of the county. Bluebell woods associated with coppicing, open wood pasture associated with deer parks and the small Wealden woods in ghyll valleys are a key part of Sussex's distinctive and varied landscape.

The habitat can be placed into two broad categories:-

Ancient semi-natural woodland – woodland that retains a native tree and shrub cover that has not been planted, although it may have been managed by coppicing or felling and allowed to regenerate naturally. This covers all stands of ancient woodland which do not obviously originate from planting.

In terms of its nature conservation value, ancient semi-natural woodland is regarded as an important woodland type due to:

- The variety of native woodland plants and animals it supports, many of which are found only or mainly in ancient woodland.
- The natural and undisturbed water courses.
- The soils, which may never have been ploughed.
- The variety of woodland structure (often including very old trees and dead wood).
- The mosaic of semi-natural habitats such as grassland, heathland and marsh which may survive within the wood, often a result of past management practices.

Plantations on ancient woodland sites – woodland where the original tree cover has been felled and replaced by planting, often with conifers and usually this century.

In ancient replanted woodland the original woodland structure may have been substantially altered, water courses may have been displaced, soils may have been disturbed or drained and natural openings may have been planted up. However, these woods can still be important for nature conservation due to:

- The remnant ancient woodland species, which persist beneath the canopy or in areas where light levels are higher such as woodland rides or glades.
- The soil seed bank, which will often retain dormant ancient woodland plants.
- The potential for restoration to a semi-natural condition.

Other important terms:

Primary woodland constitutes the relicts of the natural tree cover which developed after the retreat of glaciation 10,000 years ago. Such woodland may have been managed by humans, but it has never been completely cleared of trees and converted to another land use.

Ancient secondary woodland is woodland that had developed on land which may have been open ground or farmland at some stage before the year 1600AD. Many ancient woods in West Sussex are likely to be of this type.

Planning Policy Statement 9: Biodiversity & Geological Conservation (2005) states that "ancient woodland is a valuable biodiversity resource both for its diversity of species and for its longevity as woodland. Once lost it cannot be recreated." Many ancient woodlands have some form of statutory protection and local planning authorities are advised to identify unprotected areas of ancient woodland.

Ancient woodland in Sussex can be identified by using the Ancient Woodland Inventory held by Natural England. The Ancient Woodland Inventory was set up in 1981 by the Nature Conservancy Council (now Natural England). Ancient woodland status is determined using information from historic Ordnance Survey and estate maps and information



Bluebell

about the name of the wood, its shape, relief, internal boundaries and location relative to other features such as parish boundaries. Ground survey information such as flora and historical features plus aerial photography interpretation is also used when available.

Initially, the original inventory only included sites over two hectares in size. However, the inventory did contain some smaller sites due to the subsequent clearance of parts of larger woods. Furthermore, measuring techniques were less precise and more laborious than the latest digital methods so some smaller woods were accidentally included, whilst some larger woods were overlooked.

The original inventory was produced on a county-by-county basis in the 1980's and 1990's. At first it was a paper-based inventory, which was converted to a digital map in 2000. Subsequent revisions and versions are available as digital maps.

Advances in digital mapping techniques mean that it is now possible to map woodlands under two hectares with greater ease and accuracy. This has led to a revision of the Ancient Woodland Inventory within the South East. The surveys for the revision of the inventory for Sussex were completed in 2010 and have been adopted by Natural England. However, the inventory will always be classed as "provisional" because it is reviewed and updated as new information comes to light.

(Illustration courtesy of Natural England.)

CHALK STREAM

A chalk river or stream is a watercourse which flows across chalk bedrock, and/or is influenced by local chalk geology. Chalk rivers are usually fed by underground or seasonal springs and often have 'winterbourne' stretches in their headwaters which run dry, or partially dry in late summer because of lack of rainfall recharging the spring. Sites are generally considered to be streams rather than rivers if they are no further than 5km from their source, nor greater than 5m wide (unless they have been artificially widened.)

Why are they important?

All chalk rivers are fed from groundwater aquifers which means they have clean, clear water and relatively stable water temperatures. These unique conditions along with their chalk geology, support a rich diversity of wildlife including important fish populations such as brown trout, native crayfish and many other specialist species. Their rarity means that chalk rivers are recognised as a priority habitat under the UK BAP and many have been designated as SSSI's.

Chalk streams in Sussex

Sussex chalk streams often occur in small gulleys which are much more wooded than most other headwater chalk streams. This results in unusual features including:

- Mini chalk waterfalls which form when chalk water upwellings 'calcify' in the air;
- Dense shade which means that there is naturally less vegetation cover;
- Typical chalk river plants like water crowfoot are often absent – which is more natural;
- Stream channels are diverse because of natural flow restrictions such as tree roots;
- Woody debris is common in the channel and it influences the stream flow;
- The substrate (stream bed) is less frequently made up of flints and mobile gravels.

What are the threats?

- Ditching and removal of natural features
- Weirs and man-made obstructions to flow
- Urbanisation of streams
- Non-native invasive species
- Abstraction of water from groundwater aquifers and streams
- Pollution
- Lack of recognition

Some associated species

- Fool's water-cress *Apium nodiflorum*
- Blunt-fruited water-starwort *Callitriche obtusangula*
- Brook water crowfoot *Ranunculus peltatus*
- Lesser water-parsnip *Berula erecta*
- Brown trout *Salmo trutta*
- White-clawed crayfish *Austropotamobius pallipes*
- Southern damselfly *Coenagrion mercuriale*

COASTAL & FLOODPLAIN GRAZING MARSH

Grazing marsh is periodically inundated pasture, or meadow with ditches that maintain the water levels, containing standing brackish or fresh water. Sites may contain seasonal water-filled hollows and permanent ponds with emergent swamp communities.



Lapwing

Why is it important?

- Wading birds such as redshank feed on invertebrates forced close to the surface by the high water table and shallow surface floods.
- Around 500 species of vascular plant have been recorded from grazing marsh including rare species such as narrow-leaved water-dropwort.
- It supports large numbers of invertebrates including over a thousand nationally notable species.
- Drainage channels and open water associated with grazing marsh support a number of fish species and can provide important spawning areas.
- Water filled ditches are often used by otter, water vole, and various dragonflies.

Coastal and floodplain grazing marsh in Sussex

Sussex has around 14,000 hectares of grazing marsh, with the rivers Arun, Adur, Ouse and Cuckmere all having important areas. Just under half of Sussex's floodplains consist of wet grassland, however much of this has been agriculturally improved decreasing its value for wildlife. Pevensey Levels is one of only three sites in Britain where the large fen raft spider is found, and two rare species of ramshorn snail can also be found in Sussex.

What are the threats?

- Conversion to agriculture through drainage and fertilizer application.
- Drainage and flood defences can disrupt the hydrology of sites.
- Overgrazing, neglect or early grazing, can affect breeding birds.
- Water pollution, which can be exacerbated if concentrated by over-abstraction.
- Floodplain development, aggregate extraction and recreational pressure.
- Isolation and fragmentation of sites reduces dispersal opportunities making species more susceptible to extinction.

Some associated species

- Lapwing *Vanellus vanellus*
- Merlin *Falco columbarius*
- Marsh mallow moth *Hydraecia osseola*
- Desmoulin's whorl snail *Vertigo moulinsiana*
- Greater water parsnip *Sium latifolium*
- Star sedge *Carex echinata*

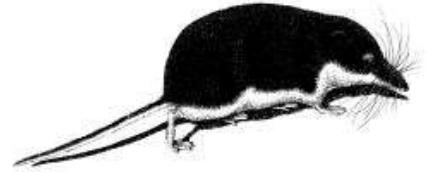
Further information

- Floodplain Meadows Partnership: www.floodplainmeadows.org.uk/content/home
- Sussex Wetland Landscapes Project: www.sussexotters.org
- Buglife: www.buglife.org.uk/conservation/adviceonmanagingbaphabitats/coastalandfloodplaingrazingmarsh

(Illustration courtesy of Natural England.)

LOWLAND FEN

Lowland fens are permanently waterlogged wetlands which receive water and nutrients from soil, rock and groundwater as well as rainfall.



Water shrew

Why are they important?

- Lowland fen has declined dramatically and the UK has a large proportion on the European resource.
- They have a mosaic of plant communities and some fens contain up to 550 species of higher plants.
- Lowland fen is important for invertebrates including aquatic beetles and dragonflies.

Lowland fens in Sussex

Current estimates put the total hectareage of fen in Sussex at under 100 hecatres. It is often found alongside other wetland habitats such as marshy grassland and carr woodland.

What are the threats?

- Drainage and conversion to intensive agriculture.
- Lack of management resulting in succession to scrub and woodland.
- Changes to hydrology resulting from excessive water abstraction and development.
- Isolation and fragmentation.
- Nutrient enrichment which can affect species composition.

Some associated species

- Water shrew *Neomys fodiens*
- Reed bunting *Emberiza schoeniclus*
- Fen's wainscot *Arenostola phragmitidis*
- Scarce chaser *Libellula fulva*
- Sphagnum moss *Sphagnum* spp.
- Gypsywort *Lycopus europaeus*

Further information

- Buglife: www.buglife.org.uk/conservation/adviceonmanagingbaphabitats/fens
- Sussex Wetland Landscapes Project: www.sussexotters.org

(Illustrations courtesy of Natural England.)

LOWLAND HEATHLAND

Heathland is a largely open landscape occurring on impoverished, acidic soils. It is characterised by plants such as heathers and dwarf gorses of varying height, and usually occurs with areas of other habitat such as acid grassland and open water.



Sand lizard

Why is it important?

- Heathland is often interspersed with bare ground, acid grassland, gorse, bracken, bog and scattered trees. This provides a range of habitat, increasing value to wildlife.
- A diversity of invertebrates is found with rare species including wasps, beetles and spiders. Areas of bare ground are often particularly important to invertebrates.
- There is a relatively low number of plants; however many rare species are found, particularly in the wetter areas, including white-beak sedge and bog asphodel.
- The rare smooth snake and sand lizard are found on some West Sussex heathlands.
- Several uncommon birds thrive on heathland including nightjar and stonechat.

Heathland in Sussex

Heathland in Sussex occurs mainly on the Wealden Greensand in West Sussex and in the High Weald of East Sussex, where Ashdown Forest contains the largest area of heathland remaining in South East England. The South Downs retain areas of chalk heath, a rare habitat that develops on acidic deposits overlying chalk, on which an interesting mix of chalk grassland and heathland plants are found.

What are the threats?

- Lack of management results in a simplified vegetation structure and dominance of scrub.
- Agricultural improvement, including use of chemicals and intensive-livestock farming.
- Isolation and fragmentation of sites reduces dispersal opportunities making species more susceptible to extinction.
- Development including mineral extraction and conversion to conifer plantation.
- Recreation can cause disturbance to breeding birds, enrichment of soil and a danger of fire damage.

Some associated species

- Dartford warbler *Sylvia undata*
- Sand lizard *Lacerta agilis*
- Bog bush-cricket *Metrioptera brachyptera*
- Heath tiger beetle *Cicindela sylvatica*
- Bog pimpernel *Anagallis tenella*
- Heath bedstraw *Galium saxatile*

Further information

- Buglife: www.buglife.org.uk/conservation/adviceonmanagingbaphabitats/lowlandheathland

(Illustration courtesy of Natural England.)

TRADITIONAL ORCHARDS

Traditional orchards are areas of land on which a range of fruit and nut trees are cultivated that are managed in a low intensity way. Permanent grassland beneath the trees was traditionally grazed by livestock.



Why are they important?

- The mosaic of habitats such as hedgerows, dead wood and fruit trees make traditional orchards important for a wide range of species.
- Traditional orchards provide the conditions needed for many bryophytes and lichens.
- Holes and crevices in old trees provide habitat for bats and nest sites for birds such as redstart and bullfinch.
- Dead and decaying wood makes traditional orchards hugely important for invertebrates, lichens and fungi.

Traditional orchards in Sussex

The traditional orchards inventory* lists over 900 sites in Sussex covering an area of approximately 300 hectares. It is estimated that around half of these orchards are currently in a poor condition.

What are the threats?

- Changes in farming policy and markets has led to a decline in income from traditional orchard produce.
- A decline in the skills and knowledge to manage traditional orchards can lead to neglect.
- Loss of orchards can occur as fruit trees dying of old age are not replaced.
- Lack of protection under the current planning system.

Some associated species

- Lesser spotted woodpecker *Picoides minor*
- Noctule *Nyctalus noctula*
- Lichen running-spider *Philodromus margaritatus*
- Noble chafer *Gnorimus nobilis*
- Mistletoe *Viscum album*
- A lichen *Ramonia chrysophaea*

**** The Traditional Orchard Inventory for England***

The traditional orchard data used in Sussex Biodiversity Record Centre reports are the result of a project run by the People's Trust for Endangered Species (PTES) on behalf of Natural England. The resulting inventory is based on combining existing survey data with aerial photograph interpretation, together with ground-truthing survey work by local volunteers. The inventory is provisional, and is still being refined and updated as new data becomes available. The project was completed in March 2011.

For the purpose of the inventory, traditional orchards are defined as sites where at least five fruit trees must be present with no more than 20m between their crown edges.

Further information on traditional orchards can be found here: www.orchardnetwork.org.uk

WOOD-PASTURE & PARKLAND

Many parks were established in medieval times for aesthetic reasons, to provide grazing for farm animals or deer and to provide wood from pollarded trees. In later centuries, new landscaped parks were created from these medieval parks or by enclosing ordinary farmland. Wood-pasture and parkland is therefore the result of a distinctive, historic land-use system, and represents a vegetation structure rather than being a particular plant community.

Typically this structure consists of veteran trees with wide, spreading crowns growing in a matrix of grazed grassland or heathland. It is a habitat of cultural and historical significance and can also be of great ecological importance due to the wide range of species it supports. For these reasons, and due the threats facing the habitat, it is a UK Biodiversity Action Plan (BAP) habitat.



Pedunculate Oak

There are many definitions within the Action Plan that relate to wood-pasture and parkland. The map produced as part of our desktop biodiversity reports shows it as three sub-categories; medieval deer park, post-medieval designed park and post-medieval gentrification.

Current status and distribution

There are no reliable statistics on the extent of this habitat in the UK, but it is most common in southern Britain. Sussex is particularly rich in wood-pasture and parkland with several large old deer parks, such as Petworth Park and Parham Park.

Ecological significance

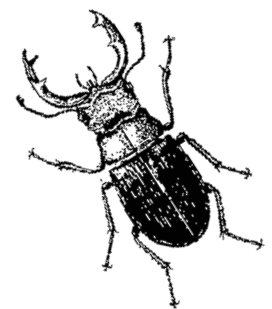
Wood-pasture and parkland is important for wildlife for a number of reasons:

- The mosaic of habitats together with the presence of veteran trees provides the conditions needed by certain species for every stage of their life cycle.
- There is often a continuity of old trees over hundreds of years, or even in some cases back to the post ice-age 'wildwood'. The trees have often been pollarded; this management technique extends their life and creates rot holes and crevices which are used by bats, hole-nesting birds and invertebrates.
- Sussex has the majority of the UK's mature English Elms following the loss of millions to Dutch Elm Disease.
- Rotten wood within ancient tree trunks supports saproxylic invertebrates (those that rely on dead wood for all or part of their life cycle) and are amongst the most threatened group of species in Europe. One such species is the click beetle *Lacon querceus*, which develops in dry red-rotten oak wood in veteran trunks and fallen boughs. The Stag Beetle is another saproxylic beetle often associated with pasture parkland.
- The old tree trunks also support unique communities of lichens, mosses and liverworts which depend on the stability of the surface provided by veteran trees. Two BAP Priority Species of lichen found on old trees include *Bacidia incompta* and *Enterographa soreliata*.

Threats facing the habitat include:

- Isolation and fragmentation of the remaining parklands.
- Inappropriate grazing resulting in the loss of plant diversity and habitat structure.
- Agricultural intensification including reseeded, ploughing and use of fertilisers.
- Neglect and loss of veteran trees, and over-tidying of deadwood.

The Sussex Biodiversity Action Plan is currently being written for this habitat. For further information visit: <http://www.biodiversitysussex.org/habitats/wood-pastures-parkland>



Stag Beetle

(Illustrations courtesy of Natural England.)

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The Sussex Biodiversity Record Centre is managed by the Sussex Wildlife Trust as a partnership project.
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