



Desktop Biodiversity Report

Land at Westbourne Parish

ESD/15/391

Prepared for Patricia Goodhew (Westbourne Parish Council)

2nd June 2015

Sussex Biodiversity Record Centre
report regarding
land at Westbourne Parish
02/06/2015

Prepared for Patricia Goodhew
Westbourne Parish Council
ESD/15/391

The following information was requested:

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

C02 - Aldsworth Pond & Meadows; C19 - Hams Copse;
C22 - River Ems & Meadows; C85 - Cricket Ground &
meadows; C86 - Brick Kiln Ponds & meadow.

SSSI

None

Other Designations/Ownership

Area of Outstanding Natural Beauty; Environmental
Stewardship Agreement; National Park.

Habitats

Ancient tree; Ancient woodland; Coastal and floodplain
grazing marsh; Traditional orchard.

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

The following species are not included in desktop biodiversity reports

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’, badger records are not included in our species inventory reports, as it has been requested that they remain confidential.

If you need further information about badgers in your enquiry area please contact the Badger Trust Sussex. Contact details can be found on their website: www.badgertrust-sussex.org.uk

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 need to find out if otters have been recorded in your enquiry area, please get in touch with the Record Centre.

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. If you need to know if any confidential records have been recorded in your enquiry area, please get in touch with the Record Centre.

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 show on our maps, with details of the data source. Citation sheets and further information on each layer can be found towards the back of the pdf report.

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 between 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	Created by SxBRC.
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/15/391)

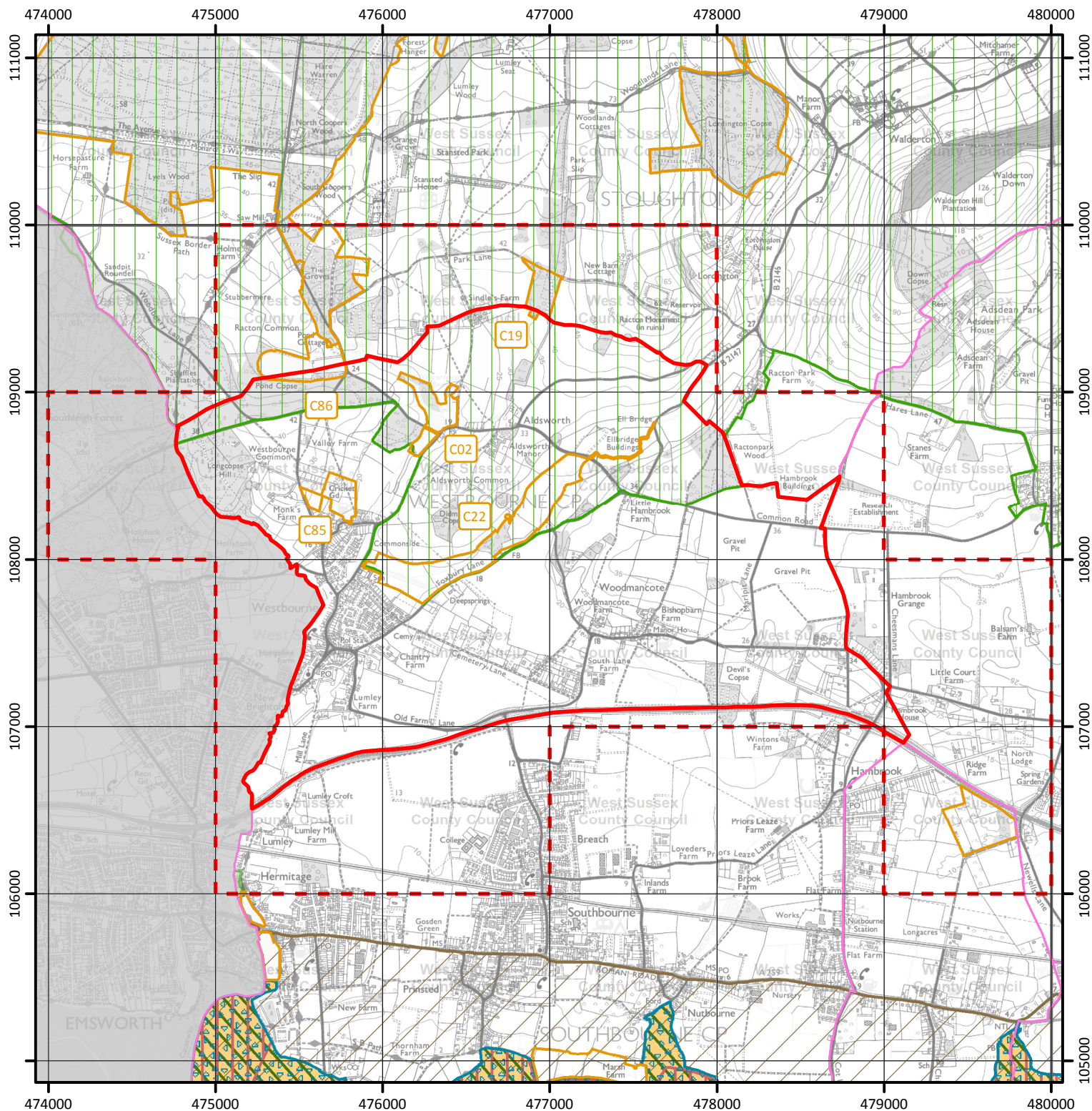
Land at Westourne Parish

Prepared for Patricia Goodhew (Westbourne Parish Council) - 02/06/2015



**Sussex
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Key to Map:

- Westbourne Parish
- Species search area
- Parish boundary
- Land beyond Sussex
- SNCI
- Ramsar
- SAC
- SPA
- AONB
- SSSI
- National Park
- LNR

0 0.5 1 Km



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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 2015.

Habitat & Natural Features Map (ESD/15/391)

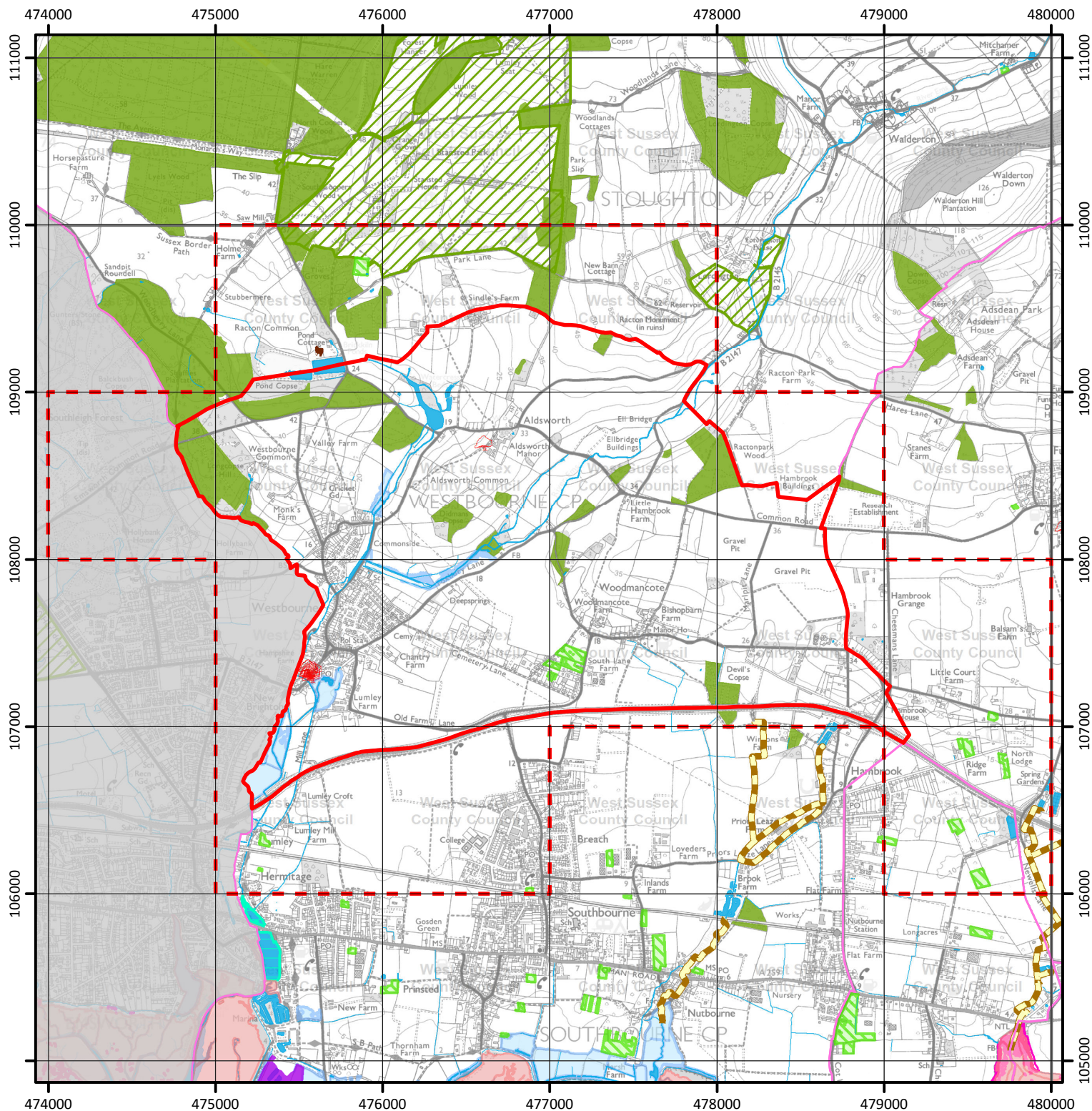
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Key to Map:

- Westbourne Parish
- Species search area
- Parish boundary
- Land beyond Sussex
- 🌳 Ancient/veteran tree
- Chalk stream
- Lowland fen
- Reedbed
- Intertidal mudflat
- Saline lagoon
- Coastal saltmarsh
- Open Water
- Traditional orchard
- Wood-pasture & parkland
- Ancient woodland
- Lowland calcareous grassland
- Coastal & floodplain grazing marsh

0 0.5 1 Km

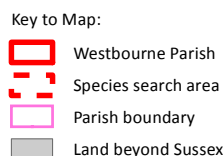











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Ancient woodland, traditional orchards, woodpasture and parkland, vegetated shingle and saline lagoon data reproduced with permission of Natural England. Revised coastal and floodplain grazing marsh data remains provisional and is also reproduced with 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 2015.

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.

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-  Higher Level Stewardship (HLS)
-  Entry Level Stewardship (ELS)
-  Organic ELS
-  Organic ELS plus HLS
-  ELS plus HLS
-  Brent Goose site - important
-  Brent Goose Site - uncertain usage
-  Wader site - important
-  Wader site - uncertain usage



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 2015.

SUMMARY REPORT

Land at Westbourne Parish

02 June 2015 ESD/15/391
Patricia Goodhew (Westbourne Parish Council)

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

Number of species recorded	6
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European Protected Species

Number of species recorded	15
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Bats

Number of species recorded	14
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Birds

Number of species recorded	124
Number of BoCC Red list species recorded	21
Number of BoCC Amber list species recorded	46
Number of W&CA Schedule 1 species recorded	13
Number of significant breeding bird records	43

BAP species (not including bats or birds)

Number of species recorded	44
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Rare Species (not including bats, birds or otters)

Number of species recorded	55
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Invasive Alien Species

Number of species recorded	15
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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 the [SxBRC 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.

Land at Westbourne Parish

02 June 2015

ESD/15/391

Patricia Goodhew (Westbourne Parish Council)

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
SU793064	Liam Russell	11/05/2006	Paddock View, Hambrook, Hambrook
SU797062	Robert Smith	13/07/2009	Orchard Cottage, Newells Lane, West Ashling
SU797064	R Wildman	1996	Newells Lane Pond and Meadow, Hambrook
SU798063	Robert Smith	29/10/2009	Orchard Cottage, Newells Lane, West Ashling
SU798064	SARG Sussex Amphibian & Reptile Grp	01/01/1993	Newells Lane, Toad Crossing (A27t), West Sussex (VC13)

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; 9.4; subdivision a; 9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
SU7506	Brian Fellows	February 2002	River Ems, Brook Meadow, Southbourne CP
SU753064	Christine Pilkington	2002	Peters Pond, Brook Meadow, Southbourne CP
SU759080	Paul Smith	05/06/2001	Westbourne, West Sussex (VC13)
SU759083	Paul Smith	16/08/2001	Sun-trap, Highleigh Rd, Highleigh, Sidlesham, West Sussex (VC13)
SU75940795	Frances Southgate	08/07/2014	Watersmeet

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
SU756081	SARG Sussex Amphibian & Reptile Grp; Dennis Dey	01/01/1992	Westbourne, West Sussex (VC13)
SU767060	Frances Lowe ECOSA	09/07/2013	Manor Way, Southbourne, Emsworth
SU769073	SARG 2002 Leaflet	2002	Shamon, Cemetery Lane, Woodmancote, Emsworth, West Sussex
SU7699106556	Elizabeth Medler	12/06/2014	3 Wentworth Drive, Southbourne
SU7907	SARG Sussex Amphibian & Reptile Grp; Dennis Dey	01/01/1994	Coboe Cott, West Ashling Rd, Hambrook, Chichester, West Sussex (VC13)

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
SU7609	SARG Sussex Amphibian & Reptile Grp; Dennis Dey	29/09/1993	Sindles Farm, Aldsworth, West Sussex (VC13)
SU769073	SARG 2002 Leaflet	2002	Shamon, Cemetery Lane, Woodmancote, Emsworth, West Sussex
SU772074	SARG 2002 Leaflet	2002	Walnut Tree Drive, West Sussex
SU7906	SARG Sussex Amphibian & Reptile Grp; Dennis Dey	01/06/1999	Abbots Ford, Scant road, West Chichester, West Sussex (VC13)

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
SU755092	Graham Roberts	16/06/1993 - 22/07/1993	Brickkiln Ponds
SU767060	Frances Lowe ECOSA	03/07/2013	Manor Way, Southbourne, Emsworth

Pulicaria vulgaris

Small Fleabane

Flowering plant

A plant of muddy pond edges and well-trampled tracks. Extinct 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; Sussex Protected Species Register; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 (Schedule 8)

Grid Reference	Recorder	Date	Locality
SU7408	Francis Rose; Edward (Ted) Pratt	22/09/1981	Woods N. of Emsworth [Southleigh Forest]

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

Land at Westbourne Parish

02 June 2015

ESD/15/391

Patricia Goodhew (Westbourne Parish Council)

Common Name	Latin Name	No of Records	M/S	H	FR	MR	UR	D
Bat sp.	<i>Chiroptera</i>	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bechstein's Bat	<i>Myotis bechsteinii</i>	13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brown Long-eared Bat	<i>Plecotus auritus</i>	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Common Pipistrelle (45 kHz)	<i>Pipistrellus pipistrellus</i>	27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Daubenton's Bat	<i>Myotis daubentonii</i>	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Long-eared sp.	<i>Plecotus</i>	6	<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>	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Noctule Bat	<i>Nyctalus noctula</i>	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pipistrelle sp.	<i>Pipistrellus</i>	5	<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>	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soprano Pipistrelle (55 kHz)	<i>Pipistrellus pygmaeus</i>	31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unidentified Bat	<i>Myotis</i>	17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Whiskered Bat	<i>Myotis mystacinus</i>	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Whiskered/Brandt's	<i>Myotis mystacinus/brandtii</i>	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SUSSEX BAT INVENTORY REPORT

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

Land at Westbourne Parish

02 June 2015 ESD/15/391

Patricia Goodhew (Westbourne Parish Council)

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
05/05/2014	Wentworth Drive, Southbourne	SU769065	Elizabeth Medler	Field Observation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Flying	Seen at dusk every day.
30/03/2014	Breach Avenue garden, Southbourne	SU7699106556	Elizabeth Medler	Field Observation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Flying	Flying in garden
29/08/2012	Lumley, River Ems	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3 Bat(s)	
06/08/2012	Lumley, River Ems	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9 Bat(s)	

26/08/2011	Lumley, River Ems	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3 Bat(s)	
07/08/2011	Lumley, River Ems	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	
30/08/2010	Lumley, River Ems, West Sussex (VC13)	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Bats Present	
16/08/2010	Lumley, River Ems, West Sussex (VC13)	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Bats Present	
26/02/2009	Jaybees Farm, Woodmancote, Westbourne, West Sussex (VC13)	SU776076	Recorder @ Halburn Consultants;Martin Love	Building Inspection	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	Taxon Present	Two bat droppings, likely from Plecotus auritus, recorded from two storey farm building. No evidence of bats recorded from inspection of stables and barn.
02/05/1988	Westbourne Seminary Chapel, Emsworth, West Sussex (VC13)	SU763075	Recorder @ Sussex Bat Group	Visual	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Present In flight	

*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
29/08/2012	River Ems Westbourne	SU756071	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 1
17/07/2012	Land at Book Barn, Whitechimney Row, West Sussex (VC13)	SU757071	A. Wrothwell;G. Newman;V. Hodson	Unspecified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Single pass over barn survey site.
03/09/2011	Stansted, Brickkiln ponds, area D, West Sussex (VC13)	SU753092	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake and arable field. Time expansion recording.
03/09/2011	Stansted, Brickkiln ponds, area H, West Sussex (VC13)	SU756091	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous and coniferous woodland beside lake. Time expansion recording.
07/08/2011	River Ems, Westbourne, NBMP route point 4, West Sussex (VC13)	SU755068	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Small river beside pasture. NBMP Waterway survey route.
19/08/2010	Lumley, Emsworth	SU752064	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Time expansion recording. 1 pass only.
14/08/2009	Hampshire Farm Bridge, Westbourne, West Sussex (VC13)	SU754072	David King;Sheila Wright	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 Bat(s)	Passing

*Myotis***Unidentified Bat**

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
06/08/2012	River Ems, Hermitage, Emsworth	SU752060	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 9
17/07/2012	Land at Book Barn, Whitechimney Row, West Sussex (VC13)	SU757071	A. Wrothwell;G. Newman;V. Hodson	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Single pass over barn survey site.
03/09/2011	Stansted, Brickkiln ponds, area F, West Sussex (VC13)	SU753091	David Andrews	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake.
03/09/2011	Stansted, Brickkiln ponds, area B, West Sussex (VC13)	SU756092	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake and meadow. Time expansion recording. Myotis, possibly Bechstein's.
03/09/2011	Stansted, Brickkiln ponds, area C, West Sussex (VC13)	SU754092	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake and arable field. Time expansion recording. Myotis, possibly Bechstein's.
03/09/2011	Stansted, Brickkiln ponds, area H, West Sussex (VC13)	SU756091	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous and coniferous woodland beside lake. Time expansion recording.
03/09/2011	Stansted, Brickkiln ponds, area A, West Sussex (VC13)	SU757092	David Andrews	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Over lake beside deciduous woodland and meadow.
03/09/2011	Stansted, Brickkiln ponds, area D, West Sussex (VC13)	SU753092	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake and arable field. Time expansion recording.
26/08/2011	River Ems, Emsworth, NBMP route point 7, West Sussex (VC13)	SU752064	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Bridge and weir on small river beside large gardens. NBMP Waterway survey route.
26/08/2011	River Ems, Westbourne, NBMP route point 1, West Sussex (VC13)	SU756072	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Small river beside pasture and garden. NBMP Waterway survey route 110101.
02/06/2011	D Day encampment, Hollybank Wood, Emsworth, West Sussex (VC13)	SU745084	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland path. 1 pass. Time expansion recording. Bechstein's?
02/06/2011	East from stream, Longcopse, Emsworth, West Sussex (VC13)	SU748086	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland. 4 passes. Time expansion recording: FM kinked, narrow band Myotis. Near known Bechstein's roost tree.

02/06/2011	Stream, Longcopse, Emsworth, West Sussex (VC13)	SU748086	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland path. Time expansion recording: high frequency, probably Whiskered.
02/06/2011	SE end of Longcopse, Emsworth, West Sussex (VC13)	SU752083	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland path. 1 pass. Time expansion recording: FM kinked, narrow band Myotis.
19/08/2010	Lumley, Emsworth	SU750063	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Time expansion recording. Daubenton's or Natterer's. 1 pass only.
22/06/2010	Brook Meadow, Emsworth	SU752064	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Time expansion recording. Probably Daubenton's. 9 passes.
14/04/2009	Hollybank Woods	SU753083	Colleen Mainstone;Paul Hope	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	bats Present	also on number of subsequent dates in 2009

*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
19/07/2009	Hollybank Woods	SU751082	Colleen Mainstone	Ringed or tagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2+ Adult Female	
18/07/2009	Hollybank Woods	SU751082	Colleen Mainstone;Paul Hope	Ringed or tagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1 Adult Female	
17/07/2009	Emsworth	SU748085	Colleen Mainstone;Paul Hope	Mist Net	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Adult Male	caught in mist net and ringed
17/07/2009	Hollybank Woods	SU751083	Colleen Mainstone;Paul Hope	Mist Net	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 Juvenile Female	caught in mist net and ringed
17/07/2009	Emsworth	SU748085	Colleen Mainstone;Paul Hope	Mist Net	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4 Lactating Female	caught in mist net and ringed
13/05/2009 - 19/07/2009	The Grove	SU756096	Colleen Mainstone;Paul Hope	Ringed or tagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19-48 Adult Female	Also used as nursery roost. 13/5/09 15/5/09 and 19/07/09
07/05/2009	Hollybank Woods	SU753084	Colleen Mainstone;Paul Hope	Ringed or tagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Female Primiparous	caught in mist net and ringed
07/05/2009	Emsworth	SU748085	Colleen Mainstone;Paul Hope	Ringed or tagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Female nulliparus	caught in mist net and ringed
07/05/2009	Emsworth	SU748085	Colleen Mainstone;Paul Hope	Ringed or tagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Female Parous	caught in mist net and ringed
18/04/2009	Hollybank Woods	SU751083	Colleen Mainstone;Paul Hope	Ringed or tagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1 Adult Female	radio tagged bat roosted daytime alone

17/04/2009 - 13/06/2009	Hollybank Woods	SU750083	Colleen Mainstone;Paul Hope	Ringed or tagged	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	12 Adult Female	roost used outside and within maternity period also as nursery roost
17/04/2009	Hollybank Woods	SU752083	Colleen Mainstone;Paul Hope	Ringed or tagged	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Female nulliparus	caught in mist net and ringed
17/04/2009	Hollybank Woods	SU751082	Colleen Mainstone;Paul Hope	Ringed or tagged	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	1 Adult Female	radio tagged bat night roost tree entered and left same night

Myotis daubentonii

Daubenton's Bat

A medium-sized to small bat of woodland, usually near water (this species was sometimes known as the 'water bat'). It feeds largely on chironomid midges, caddis flies and mayflies. Summer roosts are in tree holes, semi-underground sites and occasionally buildings. During winter it hibernates in caves, mine tunnels, cellars and similar places. Widespread in Britain and apparently increasing in parts of its range and recorded throughout Sussex.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
29/08/2012	Lumley, River Ems	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20 Bat(s)	
03/09/2011	Stansted, Brickkiln ponds, area I, West Sussex (VC13)	SU758091	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Over lake beside deciduous woodland. Time expansion recording.
03/09/2011	Stansted, Brickkiln ponds, area J, West Sussex (VC13)	SU758091	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 Bat(s)	Over lake beside deciduous woodland. Time expansion recording.
14/08/2011	Hampshire Farm Bridge, Westbourne, West Sussex (VC13)	SU754072	David King;Sheila Wright	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Passing
07/08/2011	Lumley, River Ems	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	
16/08/2010	Lumley, River Ems, West Sussex (VC13)	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bats Present	
11/08/1997	Lumley, River Ems, West Sussex (VC13)	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bats Present	
29/07/1997	Lumley, River Ems, West Sussex (VC13)	SU754065	Nik Knight	Waterway transect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bats Present	

*Myotis mystacinus***Whiskered Bat**

Very similar to Brandt's bat (*Myotis brandtii*) and only separated from that species in 1970. On average slightly smaller and with small anatomical differences. Summer roosts are mainly in buildings and trees, while winter roosts are often in tunnels and caves. Generally more common and widespread than Brandt's bat, the whiskered bat is found throughout the British Isles to the southern parts of Scotland. Widely distributed in both West Sussex and East Sussex.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
19/07/2009	Emsworth	SU748085	Colleen Mainstone;Paul Hope	Mist Net	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Adult Male	
17/07/2009	Emsworth	SU748085	Colleen Mainstone;Paul Hope	Mist Net	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Adult Male	
07/05/2009	Emsworth	SU748085	Colleen Mainstone;Paul Hope	Mist Net	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Adult Male	

*Myotis mystacinus/brandtii***Whiskered/Brandt's**

Whiskered and Brandt's bats were separated into different species in 1970. On average the Whiskered bat is slightly smaller than the Brandt's bat and has small anatomical differences. For both species summer roosts are mainly in buildings and trees, while winter roosts are often in tunnels and caves. Both species are widespread in the British Isles to southern Scotland.

Date	Location	Grid Reference	Recorder	Sampling Method	M/S	H	FR	MR	UR	D	Abundance	Notes
14/08/2009	Hampshire Farm Bridge, Westbourne, West Sussex (VC13)	SU754072	David King;Sheila Wright	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Passing

*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
14/08/2011	Hampshire Farm Bridge, Westbourne, West Sussex (VC13)	SU754072	David King;Sheila Wright	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Passing

*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
23/09/2012	Foxbury Lane, Westbourne	SU761075	Nicola Pyle RPS	Field Observation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Taxon	Emergence and activity survey - One individual observed flying high over site at 19:10
28/08/2012	Foxbury Lane, Westbourne	SU761075	Nicola Pyle RPS	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Taxon	Emergence and activity survey - Total of 10 passes recorded over 2 hour duration of survey. No bats observed emerging from tree that was subject of emergence survey
17/07/2012	Land at Book Barn, Whitechimney Row, West Sussex (VC13)	SU757071	A. Wrothwell;G. Newman;V. Hodson	Visual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Noted to be foraging above the site. The bat was not considered to be roosting within the site.
03/09/2011	Stansted, Brickkiln ponds, area J, West Sussex (VC13)	SU758091	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake. Time expansion recording.
02/06/2011	East woodland forestry, Hollybank Wood, Emsworth, West Sussex (VC13)	SU747085	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland ride. Time expansion recording.
22/06/2010	Brook Meadow, Emsworth	SU750062	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		Time expansion recording. 1 pass only.
14/08/2009	Hampshire Farm Bridge, Westbourne, West Sussex (VC13)	SU754072	David King;Sheila Wright	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Passing

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
20/06/2013	Manor Way, Southbourne, Emsworth, North west of garage block	SU767060	Frances Lowe ECOSA	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Present	Activity Survey - Pettersson 240x time expansion detector - Sonobat, not echolocating.
25/05/2012	Cemetery Lane, Westbourne	SU762075	Nik Knight	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1 Bat(s)	Droppings in house loft
July 2008	Land at the Avenue, Hambrook, West Sussex (VC13)	SU790064	Recorder @ ERAP Ltd	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Present	Recorded flying along eastern boundary during a survey for bats. No roosts seen in an inspection of the bungalow and garage.
01/06/2003	Cambercroft, West Sussex (VC13)	SU752061	Martin Love	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	25 Present	
21/09/1999	1 Flint Cottage, Mill Lane, Emswort, Hants, South Hampshire	SU754064	Martin Love	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

*Pipistrellus pipistrellus***Common Pipistrelle (45 kHz)**

The common pipistrelle (*Pipistrellus pipistrellus*) and soprano pipistrelle (*P. pygmaeus*) were previously recorded as one species. They are now recognised as separate species, with a peak frequency echolocation at 45 kHz and 55 kHz respectively. 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. 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
01/08/2014	Land at Book Barn, Whitechimney Row, West Sussex (VC13)	SU757071	A. Wrothwell; G. Newman; V. Hodson	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Bat(s)	Seen foraging at the rear north west corner of the survey site.
20/06/2013	Manor Way, Southbourne, Emsworth, North west of garage block	SU767060	Frances Lowe ECOSA	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4 Present	Activity Survey - Pettersson 240x time expansion detector - Sonobat, all believed to be foraging.
20/06/2013	Manor Way, Southbourne, Emsworth, South east of garge block	SU767060	Frances Lowe ECOSA	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3 Present	Activity Survey - Pettersson 240x time expansion detector - Sonobat, 2 commuting and 1 foraging: recorded between 21:56 and 22:03 (within 45 minutes of sunset).
23/09/2012	Foxbury Lane, Westbourne	SU761075	Nicola Pyle RPS	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Taxon	Emergence and activity survey - 41 passes in total recorded. The majority observed flying near south western boundary of site
30/08/2012	Foxbury Lane, Westbourne	SU761075	Nicola Pyle RPS	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Taxon	Emergence and activity survey - Total of 164 passes recorded over 2 hour duration of survey. No bats observed emerging from tree that was subject of emergence survey
29/08/2012	River Ems Westbourne	SU756070	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 2
28/08/2012	Foxbury Lane, Westbourne	SU761075	Nicola Pyle RPS	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Taxon	Emergence and activity survey - Total of 277 passes recorded over 2 hour duration of survey. No bats observed emerging from tree that was subject of emergence survey
06/08/2012	River Ems Westbourne	SU755068	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 4

06/08/2012	River Ems Westbourne	SU755069	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 3
06/08/2012	River Ems Westbourne	SU756070	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 2
06/08/2012	River Ems, Hermitage, Emsworth	SU751061	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 8
17/07/2012	Land at Book Barn, Whitechimney Row, West Sussex (VC13)	SU757071	A. Wrothwell;G. Newman;V. Hodson	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Present Bat(s)	Foraging and commuting around barn survey site.
03/09/2011	Stansted, Brickkiln ponds, area D, West Sussex (VC13)	SU753092	David Andrews	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake and arable field.
03/09/2011	Stansted, Brickkiln ponds, area F, West Sussex (VC13)	SU753091	David Andrews	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake.
03/09/2011	Stansted, Brickkiln ponds, area A, West Sussex (VC13)	SU757092	David Andrews	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Over lake beside deciduous woodland and meadow.
03/09/2011	Stansted, Brickkiln ponds, area C, West Sussex (VC13)	SU754092	David Andrews	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake and arable field.
03/09/2011	Stansted, Brickkiln ponds, area E, West Sussex (VC13)	SU753091	David Andrews	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake.
03/09/2011	Stansted, Brickkiln ponds, area B, West Sussex (VC13)	SU756092	David Andrews	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake and meadow. Time expansion recording.
26/08/2011	River Ems, Emsworth, NBMP route point 7, West Sussex (VC13)	SU752064	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Bridge and weir on small river beside large gardens. NBMP Waterway survey route.
26/08/2011	River Ems, Westbourne, NBMP route point 2, West Sussex (VC13)	SU756071	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2 Bat(s)	Small river beside pasture. NBMP Waterway survey route.
09/06/2011	Woodlands', Drift Lane, West Sussex (VC13)	SU794063	Recorder @ Lindsay Carrington Ecological	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Taxon Present	Recorded foraging particularly along the driveway at the southern end of the site. No bats recorded emerging from trees or buildings on site.
02/06/2011	SE end of Longcopse, Emsworth, West Sussex (VC13)	SU752083	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland path. 3 passes. Time expansion recording.
02/06/2011	Adjacent to pasture, Longcopse, Emsworth, West Sussex (VC13)	SU749084	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland path. 1 pass. Time expansion recording.
02/06/2011	SE end of Longcopse, Emsworth, West Sussex (VC13)	SU752083	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland path. 1 pass. Time expansion recording.

16/08/2010	River Ems, south of Westbourne	SU756072	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Frequency division recording. 1 pass only.
22/06/2010	Brook Meadow, Emsworth	SU751062	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Time expansion recording. 1 pass only.
14/08/2009	Hampshire Farm Bridge, Westbourne, West Sussex (VC13)	SU754072	David King;Sheila Wright	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	2 Bat(s)	Passing

*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
01/08/2014	Land at Book Barn, Whitechimney Row, West Sussex (VC13)	SU757071	A. Wrothwell;G. Newman;V. Hodson	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Recorded commuting through the survey site.
23/09/2012	Foxbury Lane, Westbourne	SU761075	Nicola Pyle RPS	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Taxon	Emergence and activity survey - One individual recorded at 19:59
30/08/2012	Foxbury Lane, Westbourne	SU761075	Nicola Pyle RPS	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Taxon	Emergence and activity survey - Total of 85 passes recorded over 2 hour duration of survey. No bats observed emerging from tree that was subject of emergence survey
29/08/2012	River Ems Westbourne	SU756070	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 2
28/08/2012	Foxbury Lane, Westbourne	SU761075	Nicola Pyle RPS	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Taxon	Emergence and activity survey - Total of 54 passes recorded over 2 hour duration of survey. No bats observed emerging from tree that was subject of emergence survey
06/08/2012	River Ems Westbourne	SU755069	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 3
06/08/2012	River Ems Westbourne	SU755068	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 4
06/08/2012	River Ems Westbourne	SU756070	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 2
06/08/2012	River Ems, Hermitage, Emsworth	SU751061	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	NBMP Waterways survey 110101 spot 8
17/07/2012	Land at Book Barn, Whitechimney Row, West Sussex (VC13)	SU757071	A. Wrothwell;G. Newman;V. Hodson	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Bat(s)	Foraging and commuting around barn survey site.

03/09/2011	Stansted, Brickkiln ponds, area B, West Sussex (VC13)	SU756092	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake and meadow. Time expansion recording.
03/09/2011	Stansted, Brickkiln ponds, area E, West Sussex (VC13)	SU753091	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake. Time expansion recording.
03/09/2011	Stansted, Brickkiln ponds, area E, West Sussex (VC13)	SU753091	David Andrews	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake.
03/09/2011	Stansted, Brickkiln ponds, area J, West Sussex (VC13)	SU758091	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake. Time expansion recording.
03/09/2011	Stansted, Brickkiln ponds, area A, West Sussex (VC13)	SU757092	David Andrews	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Over lake beside deciduous woodland and meadow.
03/09/2011	Stansted, Brickkiln ponds, area H, West Sussex (VC13)	SU756091	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous and coniferous woodland beside lake. Time expansion recording.
03/09/2011	Stansted, Brickkiln ponds, area D, West Sussex (VC13)	SU753092	David Andrews	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake and arable field.
03/09/2011	Stansted, Brickkiln ponds, area G, West Sussex (VC13)	SU755091	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous and coniferous woodland beside lake. Time expansion recording.
03/09/2011	Stansted, Brickkiln ponds, area C, West Sussex (VC13)	SU754092	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake and arable field. Time expansion recording.
03/09/2011	Stansted, Brickkiln ponds, area I, West Sussex (VC13)	SU758091	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake. Time expansion recording.
26/08/2011	River Ems, Emsworth, NBMP route point 9, West Sussex (VC13)	SU751060	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Bridge over small river, near copse, meadow and pond. NBMP Waterway survey route.
26/08/2011	River Ems, Westbourne, NBMP route point 2, West Sussex (VC13)	SU756071	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Small river beside pasture. NBMP Waterway survey route.
07/08/2011	River Ems, Westbourne, NBMP route point 2, West Sussex (VC13)	SU756072	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	3 Bat(s)	Small river beside pasture. NBMP Waterway survey route.
07/08/2011	River Ems, Westbourne, NBMP route point 4, West Sussex (VC13)	SU755068	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Small river beside pasture. NBMP Waterway survey route.
07/08/2011	River Ems, Emsworth, NBMP route point 7, West Sussex (VC13)	SU752064	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	2 Bat(s)	Bridge and weir on small river beside large gardens. NBMP Waterway survey route.

09/06/2011	Woodlands', Drift Lane, West Sussex (VC13)	SU794063	Recorder @ Lindsay Carrington Ecological	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Taxon Present	Recorded foraging particularly along the driveway at the southern end of the site. No bats recorded emerging from trees or buildings on site.
02/06/2011	SE end of Longcopse, Emsworth, West Sussex (VC13)	SU752083	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland path. 2 passes. Time expansion recording. With social calls.
02/06/2011	East woodland forestry, Hollybank Wood, Emsworth, West Sussex (VC13)	SU747085	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1 Bat(s)	Deciduous woodland ride. Time expansion recording.
16/08/2010	River Ems, south of Westbourne	SU756072	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Frequency division recording. 1 pass only.
22/06/2010	Brook Meadow, Emsworth	SU750060	Nik Knight	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Time expansion recording. 1 pass only.
14/08/2009	Hampshire Farm Bridge, Westbourne, West Sussex (VC13)	SU754072	David King;Sheila Wright	Aural bat detector	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	3 Bat(s)	Passing

*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
17/07/2012	Land at Book Barn, Whitechimney Row, West Sussex (VC13)	SU757071	A. Wrothwell;G. Newman;V. Hodson	Visual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3 Bat(s)	Analysis of the echo location calls confirms the bats to be long-eared bats, most likely to be brown long-eared bats (<i>P. auritus</i>).
03/09/2011	Stansted, Brickkiln ponds, area E, West Sussex (VC13)	SU753091	David Andrews	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake.
03/09/2011	Stansted, Brickkiln ponds, area F, West Sussex (VC13)	SU753091	David Andrews	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland beside lake.
02/06/2011	East from stream, Longcopse, Emsworth, West Sussex (VC13)	SU748086	Nik Knight	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 Bat(s)	Deciduous woodland. Time expansion recording: clear 'missing frequencies'.
14/04/2009	Hollybank Woods	SU753083	Colleen Mainstone;Paul Hope	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	bats Present	also on number of subsequent dates in 2010
13/10/2006	Little Court Farm, West Ashling Road, Hambrook, Chichester, PO18 8UD, West Sussex (VC13)	SU793072	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 by droppings.

*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
23/09/2012	Foxbury Lane, Westbourne	SU761075	Nicola Pyle RPS	Aural bat detector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Present Taxon	Emergence and activity survey - One individual recorded flying in either north easterly/south westerly direction at sunset. One recorded flying 2m above ground at 19:47
07/02/2001	31 Westbourne Avenue, Emsworth, Hants, PO10 7QU, South Hampshire	SU751066	Martin Love	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
25/11/1996	Newells Green, Newells Lane, West Ashling, West Sussex (VC13)	SU797064	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"/>		
09/10/1996	Dinnet House, West Ashling, Chichester, West Sussex (VC13)	SU795072	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4 Present	
06/10/1996	Woodborough, Scant Road, Hambrook, Chichester, West Sussex (VC13)	SU793067	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"/>	10 Present	Droppings found. Owner reported 10 bats 10 days previously.
02/05/1988	Westbourne Cemetery, Westbourne, Chichester, West Sussex (VC13)	SU763075	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3 In flight	
17/09/1986	Home Paddock, Hambrook Hill, West Ashling Road, Chichester, West Sussex (VC13)	SU788074	NE Bat Worker	Building Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5 Present	Estimate 4-5.

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](#).

Icons used in the Bird Inventory:



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 declined 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). 43 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

Land at Westbourne Parish

02 June 2015

ESD/15/391

Patricia Goodhew (Westbourne Parish Council)

Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Mandarin Duck	<i>Aix galericulata</i>	06/12/1992	29/05/2000	7	8	2
Shoveler	<i>Anas clypeata</i>	22/05/1983	03/03/2009	11	36	7
Teal	<i>Anas crecca</i>	16/07/1982	25/02/2008	11	60	17
Mallard	<i>Anas platyrhynchos</i>	22/05/1983	19/11/2013	42	276	77
Gadwall	<i>Anas strepera</i>	18/03/1991	30/04/2012	44	261	33
Greylag Goose	<i>Anser anser</i>	25/02/2008	19/11/2013	2	6	4
Emperor Goose	<i>Anser canagicus</i>	23/03/1997	26/03/1999	18	18	1
Bar-headed Goose	<i>Anser indicus</i>	17/03/1998	-	1	4	4
Pochard	<i>Aythya ferina</i>	21/06/1975	06/02/1999	7	13	5
Tufted Duck	<i>Aythya fuligula</i>	22/05/1983	31/05/2012	50	345	28
Brent Goose	<i>Branta bernicla</i>	29/12/1991	31/01/1994	2	1210	650
Canada Goose	<i>Branta canadensis</i>	22/05/1983	13/05/2012	37	272	41
Black Swan	<i>Cygnus atratus</i>	10/01/1999	-	1	1	1
Mute Swan	<i>Cygnus olor</i>	22/05/1983	24/08/2011	25	55	8
Smew	<i>Mergellus albellus</i>	15/01/1997	06/03/1997	3	20	13
Ruddy Duck	<i>Oxyura jamaicensis</i>	15/01/1997	30/12/2007	2	6	5
Common Shelduck	<i>Tadorna tadorna</i>	11/05/1977	31/05/2012	16	91	14
Swift	<i>Apus apus</i>	30/06/1985	10/07/2013	14	39	13
Little Auk	<i>Alle alle</i>	21/11/1978	-	1	1	1
Little Ringed Plover	<i>Charadrius dubius</i>	03/05/1998	-	1	1	1
Golden Plover	<i>Pluvialis apricaria</i>	16/12/2007	-	1	80	80

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Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Lapwing	<i>Vanellus vanellus</i>	01/06/1976	20/12/2013	19	1744	700
Black-headed Gull	<i>Chroicocephalus ridibundus</i>	30/06/1985	20/12/2013	35	3131	1000
Herring Gull	<i>Larus argentatus</i>	03/12/2007	20/12/2013	11	49	17
Common Gull	<i>Larus canus</i>	31/08/1996	20/12/2013	12	1020	400
Lesser Black-backed Gull	<i>Larus fuscus</i>	03/12/2007	04/03/2013	4	6	2
Great Black-backed Gull	<i>Larus marinus</i>	28/12/2002	27/01/2013	3	3	1
Mediterranean Gull	<i>Larus melanocephalus</i>	16/04/2006	06/03/2011	5	27	24
Common Sandpiper	<i>Actitis hypoleucos</i>	22/07/1991	02/04/2000	12	16	4
Snipe	<i>Gallinago gallinago</i>	04/03/1993	16/12/2007	11	59	22
Jack Snipe	<i>Lymnocyptes minimus</i>	16/12/2007	-	1	1	1
Curlew	<i>Numenius arquata</i>	30/06/1985	04/03/1993	4	40	21
Woodcock	<i>Scolopax rusticola</i>	17/02/1998	18/02/2005	3	3	1
Green Sandpiper	<i>Tringa ochropus</i>	20/12/1991	07/12/2013	86	119	6
Grey Heron	<i>Ardea cinerea</i>	30/06/1985	01/06/2011	22	29	4
Little Egret	<i>Egretta garzetta</i>	11/01/1995	19/11/2013	35	77	7
Rock Dove	<i>Columba livia</i>	29/01/2009	19/11/2013	8	91	45
Stock Dove	<i>Columba oenas</i>	08/05/1990	12/10/2013	30	162	60
Woodpigeon	<i>Columba palumbus</i>	30/06/1985	06/02/2014	69	4628	1000
Collared Dove	<i>Streptopelia decaocto</i>	13/11/2007	29/12/2013	61	207	17
Turtle Dove	<i>Streptopelia turtur</i>	23/05/1989	19/06/2013	16	27	4
Kingfisher	<i>Alcedo atthis</i>	18/07/1982	30/06/2010	25	26	2
Cuckoo	<i>Cuculus canorus</i>	30/06/1985	29/05/2013	7	5	1
Sparrowhawk	<i>Accipiter nisus</i>	08/05/1990	06/05/2014	27	27	2
Buzzard	<i>Buteo buteo</i>	19/12/1994	23/11/2013	70	95	5
Osprey	<i>Pandion haliaetus</i>	19/04/1996	24/08/2011	3	3	1
Hobby	<i>Falco subbuteo</i>	06/09/1992	12/09/1993	2	2	1
Kestrel	<i>Falco tinnunculus</i>	27/07/1985	20/12/2013	31	31	4
Red-legged Partridge	<i>Alectoris rufa</i>	27/07/1985	02/05/2012	7	12	3
Grey Partridge	<i>Perdix perdix</i>	30/06/1985	14/04/1993	2	2	2
Pheasant	<i>Phasianus colchicus</i>	30/06/1985	29/12/2013	52	166	18
Coot	<i>Fulica atra</i>	22/05/1983	12/10/2013	47	249	22
Moorhen	<i>Gallinula chloropus</i>	17/04/1983	19/11/2013	38	114	11
Water Rail	<i>Rallus aquaticus</i>	26/12/1991	05/03/1999	6	6	1
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	01/05/1996	02/05/2012	4	4	1
Reed Warbler	<i>Acrocephalus scirpaceus</i>	22/05/1983	07/06/2010	15	25	4
Long-tailed Tit	<i>Aegithalos caudatus</i>	22/07/1993	29/12/2013	44	167	18
Skylark	<i>Alauda arvensis</i>	30/06/1985	04/03/2013	28	176	100
Treecreeper	<i>Certhia familiaris</i>	22/07/1993	04/10/2013	13	14	2
Carrion Crow	<i>Corvus corone</i>	30/11/2004	20/12/2013	50	585	150

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Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Rook	<i>Corvus frugilegus</i>	30/06/1985	20/12/2013	59	2916	280
Jackdaw	<i>Corvus monedula</i>	27/07/1985	20/12/2013	37	495	90
Jay	<i>Garrulus glandarius</i>	03/12/2007	23/11/2013	33	51	6
Magpie	<i>Pica pica</i>	30/06/1985	20/12/2013	59	203	20
Corn Bunting	<i>Emberiza calandra</i>	30/06/1985	05/06/2009	6	9	5
Yellowhammer	<i>Emberiza citrinella</i>	30/06/1985	24/07/2012	12	19	4
Reed Bunting	<i>Emberiza schoeniclus</i>	07/07/1982	15/05/2009	10	13	4
Lesser Redpoll	<i>Acanthis cabaret</i>	08/11/1998	08/02/2008	2	2	1
Goldfinch	<i>Carduelis carduelis</i>	08/05/1990	04/03/2014	62	376	50
Greenfinch	<i>Carduelis chloris</i>	06/02/2003	29/12/2013	52	161	13
Chaffinch	<i>Fringilla coelebs</i>	30/06/1985	29/12/2013	71	440	100
Brambling	<i>Fringilla montifringilla</i>	17/12/2012	17/03/2013	3	3	1
Linnet	<i>Linaria cannabina</i>	03/12/2007	09/07/2013	9	69	31
Common Crossbill	<i>Loxia curvirostra</i>	06/07/1997	19/07/2008	2	52	40
Bullfinch	<i>Pyrrhula pyrrhula</i>	03/12/2007	20/02/2013	18	30	5
Siskin	<i>Spinus spinus</i>	30/03/1997	05/04/2013	8	26	7
House Martin	<i>Delichon urbicum</i>	30/06/1985	12/06/2013	18	238	50
Swallow	<i>Hirundo rustica</i>	14/04/1993	10/07/2013	31	248	45
Sand Martin	<i>Riparia riparia</i>	21/03/1993	24/08/2011	3	17	15
Meadow Pipit	<i>Anthus pratensis</i>	06/11/2007	04/03/2013	11	127	40
Pied Wagtail	<i>Motacilla alba</i>	08/05/1990	08/11/2012	19	96	20
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	02/03/2005	20/12/2013	8	19	10
Grey Wagtail	<i>Motacilla cinerea</i>	05/06/1976	23/11/2013	31	47	5
Yellow Wagtail	<i>Motacilla flava</i>	28/08/1993	19/09/1993	2	12	7
Robin	<i>Erithacus rubecula</i>	30/06/1985	05/02/2014	75	472	44
Nightingale	<i>Luscinia megarhynchos</i>	06/05/1980	03/05/2013	133	231	5
Spotted Flycatcher	<i>Muscicapa striata</i>	27/08/2001	-	1	3	3
Wheatear	<i>Oenanthe oenanthe</i>	18/09/1993	11/04/2011	3	6	3
Redstart	<i>Phoenicurus phoenicurus</i>	18/09/1993	-	1	1	1
Whinchat	<i>Saxicola rubetra</i>	18/09/1993	24/08/2011	2	3	2
Stonechat	<i>Saxicola rubicola</i>	16/12/1992	19/11/2013	7	11	4
Redwing	<i>Turdus iliacus</i>	26/02/1992	19/11/2013	24	411	80
Blackbird	<i>Turdus merula</i>	30/06/1985	31/12/2013	72	549	41
Song Thrush	<i>Turdus philomelos</i>	30/06/1985	11/06/2013	41	85	9
Fieldfare	<i>Turdus pilaris</i>	28/12/1998	04/03/2013	11	562	500
Mistle Thrush	<i>Turdus viscivorus</i>	27/07/1985	29/05/2011	11	21	5
Blue Tit	<i>Cyanistes caeruleus</i>	30/06/1985	31/12/2013	74	553	60
Great Tit	<i>Parus major</i>	30/06/1985	04/02/2014	73	258	16
Coal Tit	<i>Periparus ater</i>	31/03/2003	07/11/2013	24	35	8

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Common Name	Latin Name	First Date	Last Date	No. of Rec's	Total Abundance	Max. Abundance
Willow Tit	<i>Poecile montana</i>	01/03/1998	31/03/1998	5	6	2
Marsh Tit	<i>Poecile palustris</i>	21/03/1993	27/04/2013	19	22	3
House Sparrow	<i>Passer domesticus</i>	30/06/1985	20/12/2013	46	843	70
Tree Sparrow	<i>Passer montanus</i>	08/05/1990	-	1	1	1
Chiffchaff	<i>Phylloscopus collybita</i>	16/03/1989	27/09/2013	47	103	9
Willow Warbler	<i>Phylloscopus trochilus</i>	30/06/1985	19/05/2013	12	10	2
Dunnock	<i>Prunella modularis</i>	30/06/1985	29/12/2013	56	118	9
Firecrest	<i>Regulus ignicapilla</i>	18/02/1999	19/05/2013	7	11	3
Goldcrest	<i>Regulus regulus</i>	22/07/1993	11/03/2014	19	47	20
Nuthatch	<i>Sitta europaea</i>	07/11/1993	29/12/2013	26	34	3
Starling	<i>Sturnus vulgaris</i>	30/06/1985	06/02/2014	56	1543	350
Blackcap	<i>Sylvia atricapilla</i>	27/07/1985	31/08/2013	32	79	16
Garden Warbler	<i>Sylvia borin</i>	27/07/1985	17/04/2011	2	1	1
Whitethroat	<i>Sylvia communis</i>	22/04/2008	09/07/2013	11	30	10
Lesser Whitethroat	<i>Sylvia curruca</i>	01/06/1991	28/06/2012	9	11	2
Wren	<i>Troglodytes troglodytes</i>	30/06/1985	20/12/2013	55	214	25
Cormorant	<i>Phalacrocorax carbo</i>	24/08/2011	-	1	1	1
Great Spotted Woodpecker	<i>Dendrocopos major</i>	27/07/1985	29/12/2013	58	72	2
Lesser Spotted Woodpecker	<i>Dendrocopos minor</i>	20/07/1982	17/03/2004	18	22	2
Green Woodpecker	<i>Picus viridis</i>	30/06/1985	19/11/2013	40	48	8
Great Crested Grebe	<i>Podiceps cristatus</i>	06/03/1997	-	1	10	10
Little Grebe	<i>Tachybaptus ruficollis</i>	30/04/1983	31/05/2012	42	83	6
Little Owl	<i>Athene noctua</i>	24/06/1977	08/06/2008	17	16	1
Tawny Owl	<i>Strix aluco</i>	11/05/1993	01/06/2011	14	14	2
Barn Owl	<i>Tyto alba</i>	01/10/1986	26/01/2005	5	6	2

SUSSEX BIRD INVENTORY REPORT

Land at Westbourne Parish

02 June 2015 ESD/15/391
Patricia Goodhew (Westbourne Parish Council)

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 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
06/12/1992	29/05/2000	7

Anas clypeata

Shoveler



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
22/05/1983	03/03/2009	11

Anas crecca

Teal



This small duck is a rare breeder and a scarce summering non-breeder; a fairly common winter visitor to Sussex and fairly common on observed passage. 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
16/07/1982	25/02/2008	11

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
22/05/1983	19/11/2013	42

Anas strepera**Gadwall**

A grey-coloured dabbling duck which is a very scarce breeder, scarce summer non-breeder, fairly common winter visitor and scarce on observed passage. 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
18/03/1991	30/04/2012	44

Anser anser**Greylag Goose**

An increasingly common introduced resident, winter visitor and scarce passage migrant. There are truly wild populations in northern Britain. The Greylag is the largest and bulkiest of the wild geese native to our area. They are mostly found around reservoirs, lakes and gravel pits in our area where they can feed on grass and roots.

Bird Population Status - amber; Birds Directive Annex 2.1; Convention on Migratory Species; Appendix 2; Wildlife and Countryside Act 1981 (Schedule 1 Part 2)

First Date	Last Date	No. of Records
25/02/2008	19/11/2013	2

Anser canagicus**Emperor Goose**

First Date	Last Date	No. of Records
23/03/1997	26/03/1999	18

Anser indicus**Bar-headed Goose**

First Date	Last Date	No. of Records
17/03/1998	-	1

Aythya ferina**Pochard**

A stocky diving duck that is a scarce summer non-breeder, very scarce breeder and fairly common winter visitor. It is very scarce on observed passage. 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
21/06/1975	06/02/1999	7

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, a fairly common resident and a fairly common winter visitor which is widespread in suitable habitats across East and West Sussex. It is scarce on observed passage.

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

First Date	Last Date	No. of Records
22/05/1983	31/05/2012	50

Branta bernicla**Brent Goose**

This small dark goose is a very 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 and a very scarce non-breeder in summer. 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
29/12/1991	31/01/1994	2

Branta canadensis**Canada Goose**

A common 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
22/05/1983	13/05/2012	37

Cygnus atratus**Black Swan**

First Date	Last Date	No. of Records
10/01/1999	-	1

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
22/05/1983	24/08/2011	25

Mergellus albellus**Smew**

A small compact diving duck which is a very scarce winter visitor, mainly to the east of the county. Usually recorded from inland waters, such as gravel pits, reservoirs and lakes rather than at sea, especially during hard weather. The male is the regions whitest small wildfowl and the female has a chestnut-red head. The smew belongs to the Sawbill family and feeds on fish, insect larvae and other insects.

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
15/01/1997	06/03/1997	3

Oxyura jamaicensis

Ruddy Duck

A duck that was introduced into Europe from North America for wildfowl collections. It is a scarce and declining resident and winter visitor. It is subject to culling to reduce numbers as it hybridises with the indigenous white-headed duck, *Oxyura leucocephala*. It is thought that if the ruddy duck is not controlled there is a danger that the globally threatened white-headed will become extinct. The British government decided in 2002 to proceed with a ruddy duck eradication programme and other control measures.

Convention on Migratory Species; Appendix 2

First Date	Last Date	No. of Records
15/01/1997	30/12/2007	2

Tadorna tadorna

Common Shelduck

A fairly common winter visitor, scarce passage migrant and scarce 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
11/05/1977	31/05/2012	16

Apus apus

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
30/06/1985	10/07/2013	14

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
21/11/1978	-	1

Charadrius dubius

Little Ringed Plover



A small wader which is a scarce breeding summer visitor and passage migrant. A species that started to colonise Britain in 1938 and which first bred in Sussex in 1949, regularly since 1970. Widespread in Sussex in suitable habitats such as shingle banks and gravel pits, where it feeds on insects.

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

First Date	Last Date	No. of Records
03/05/1998	-	1

Pluvialis apricaria**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 a rare non-breeder in 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
16/12/2007	-	1

Vanellus vanellus**Lapwing**

A large wader which is a familiar farmland and wetland bird; it is a scarce or fairly common, but declining, resident and very common winter visitor. 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 (Pevensey 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
01/06/1976	20/12/2013	19

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 and very common to abundant passage migrant and winter visitor, 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; its 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
30/06/1985	20/12/2013	35

Larus argentatus**Herring Gull**

This large gull is a very common resident, but its status is uncertain as a passage migrant and winter visitor. It 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
03/12/2007	20/12/2013	11

Larus canus**Common Gull**

The Mew Gull (also known as the Common Gull) is a smaller, more gentle-looking, version of the Herring Gull. It is a very common winter visitor and passage migrant, scarce in the summer; it bred in Sussex until 1963, in 2006 and some years since then. 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
31/08/1996	20/12/2013	12

Larus fuscus**Lesser Black-backed Gull**

Fairly common passage migrant and winter visitor; scarce (mainly immature) in summer and a scarce breeder. 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
03/12/2007	04/03/2013	4

Larus marinus**Great Black-backed Gull**

This very large, bulky gull is a common winter visitor and passage migrant, being scarce in the summer (mostly non-breeders); and very scarce breeder since 2000. In winter the largest numbers are usually at Rye Harbour and Chichester Harbour, but the species is widespread and can be found in both coastal and inland habitats, ranging from rubbish tips and fields to bays and harbours. Its diet is omnivorous and consists of shellfish, birds and carrion.

Bird Population Status - amber; Birds Directive Annex 2.2

First Date	Last Date	No. of Records
28/12/2002	27/01/2013	3

Larus melanocephalus**Mediterranean Gull**

Fairly common throughout the year and increasing globally. Has bred annually since 1994, with an established breeding colony at Rye Harbour. This gull is slightly larger than a Black-headed Gull, with a bright red beak; it feeds on insects, fish, offal and carrion.

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
16/04/2006	06/03/2011	5

Actitis hypoleucos**Common Sandpiper**

This smallish wader is a fairly common passage migrant, recognised by its bobbing motion and high pitched call. It is very scarce in 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
22/07/1991	02/04/2000	12

Gallinago gallinago**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
04/03/1993	16/12/2007	11

Lymnocyptes minimus**Jack Snipe**

This small elusive wader is a scarce winter visitor and passage migrant. It is found both on coastal sites and boggy heaths inland, but usually only in low numbers. It likes shallow, wet and muddy areas with plenty of vegetation such as marshes, flood meadows, wet ditches and river banks where it can find insect, worm and snail prey. It is very well camouflaged and will sit unnoticed as you walk close-by.

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

First Date	Last Date	No. of Records
16/12/2007	-	1

Numenius arquata**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
30/06/1985	04/03/1993	4

Scolopax rusticola**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 probably a fairly common resident and winter visitor, which is 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
17/02/1998	18/02/2005	3

Tringa ochropus**Green Sandpiper**

A scarce spring and autumn passage migrant, which is more frequent in autumn. Scarce in winter. It is recorded from a wide range of fresh water sites in Sussex, both inland and near the coast preferring freshwater margins. 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
20/12/1991	07/12/2013	86

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
30/06/1985	01/06/2011	22

Egretta garzetta**Little Egret**

A medium-sized white heron with characteristic bright yellow feet which was formerly rare but has bred since 2001 and is a scarce and increasing resident, and probably scarce autumn visitor. Its status as winter visitor is uncertain. 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
11/01/1995	19/11/2013	35

Columba livia**Rock Dove**

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
29/01/2009	19/11/2013	8

Columba oenas**Stock Dove**

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
08/05/1990	12/10/2013	30

Columba palumbus**Woodpigeon**

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
30/06/1985	06/02/2014	69

Streptopelia decaocto**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
13/11/2007	29/12/2013	61

Streptopelia turtur**Turtle Dove**

BAP N R

A declining summer 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
23/05/1989	19/06/2013	16

Alcedo atthis**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
18/07/1982	30/06/2010	25

Cuculus canorus**Cuckoo**

BAP N R

The Cuckoo is a fairly common but declining 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
30/06/1985	29/05/2013	7

Accipiter nisus**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
08/05/1990	06/05/2014	27

Buteo buteo**Buzzard**

A fairly common and increasing resident, and probably scarce passage migrant. 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
19/12/1994	23/11/2013	70

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
19/04/1996	24/08/2011	3

Falco subbuteo**Hobby**

Scarce breeding summer visitor and passage migrant. An agile species which feeds on insects and small birds, associated with heathlands but 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
06/09/1992	12/09/1993	2

Falco tinnunculus**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
27/07/1985	20/12/2013	31

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
27/07/1985	02/05/2012	7

Perdix perdix**Grey Partridge**

A medium-sized gamebird with a distinctive orange face, which is a scarce resident species that has suffered a major decline nationally. It was formerly widespread on the South Downs but is now a scarce resident there; much declined but benefitting locally through conservation effort. 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
30/06/1985	14/04/1993	2

Phasianus colchicus**Pheasant**

A very common introduced resident only absent from places like the Pevensey 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
30/06/1985	29/12/2013	52

Fulica atra**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
22/05/1983	12/10/2013	47

Gallinula chloropus**Moorhen**

This ground-dwelling medium-sized bird is a very common resident, possibly fairly common winter visitor but status uncertain. 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
17/04/1983	19/11/2013	38

Rallus aquaticus**Water Rail**

Very scarce resident and fairly common winter visitor. 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 its pig-like squealing calls make this bird more often heard than seen.

Birds Directive Annex 2.2

First Date	Last Date	No. of Records
26/12/1991	05/03/1999	6

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
01/05/1996	02/05/2012	4

Acrocephalus scirpaceus**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
22/05/1983	07/06/2010	15

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
22/07/1993	29/12/2013	44

Alauda arvensis**Skylark****BAP N R**

In Sussex a very common but declining resident, and probably common 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
30/06/1985	04/03/2013	28

Certhia familiaris**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
22/07/1993	04/10/2013	13

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
30/11/2004	20/12/2013	50

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
30/06/1985	20/12/2013	59

Corvus monedula**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
27/07/1985	20/12/2013	37

Garrulus glandarius**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
03/12/2007	23/11/2013	33

Pica pica**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
30/06/1985	20/12/2013	59

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

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
30/06/1985	05/06/2009	6

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
30/06/1985	24/07/2012	12

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
07/07/1982	15/05/2009	10

Acanthis cabaret**Lesser Redpoll****BAP N R**

This is a small brown streaked finch with a distinctive red forehead. It is a scarce breeder, fairly common passage migrant and winter visitor with most records from the east and north of Sussex. It can be seen in large flocks with Siskins feeding on seeds in Birch and Alder trees.

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
08/11/1998	08/02/2008	2

Carduelis carduelis**Goldfinch**

A colourful finch which is a probably fairly common resident, common summer visitor and 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
08/05/1990	04/03/2014	62

Carduelis chloris**Greenfinch**

This finch has distinctive green-yellow wing patches and is very common resident, and possibly fairly common passage migrant and scarce 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
06/02/2003	29/12/2013	52

Fringilla coelebs**Chaffinch**

This colourful finch is an abundant resident, and probably very common 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
30/06/1985	29/12/2013	71

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
17/12/2012	17/03/2013	3

Linaria cannabina**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
03/12/2007	09/07/2013	9

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
06/07/1997	19/07/2008	2

Pyrrhula pyrrhula**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
03/12/2007	20/02/2013	18

Spinus spinus**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
30/03/1997	05/04/2013	8

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
30/06/1985	12/06/2013	18

Hirundo rustica**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
14/04/1993	10/07/2013	31

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
21/03/1993	24/08/2011	3

Anthus pratensis**Meadow Pipit**

This small brown, streaky bird is a common but declining 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
06/11/2007	04/03/2013	11

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
08/05/1990	08/11/2012	19

Motacilla alba subsp. yarrelli**Pied Wagtail**

Bern Convention Appendix 2

First Date	Last Date	No. of Records
02/03/2005	20/12/2013	8

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
05/06/1976	23/11/2013	31

Motacilla flava**Yellow Wagtail**

This small elegant yellow bird is a scarce and localised summer visitor, a scarce passage migrant in spring and fairly common in autumn. It is primarily a bird of coastal levels, mainly in East Sussex, and also areas of short grass. Its diet consists of small insects, including flies and beetles; it is often seen associating with cattle to find insects. It appears to have been in decline since at least the 1980s, most likely due to loss of habitat for nesting and feeding.

Bern Convention Appendix 2; 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
28/08/1993	19/09/1993	2

Erithacus rubecula**Robin**

The quintessential British bird, the Robin "redbreast" is an abundant and well-known resident, probably common passage migrant, mainly in autumn. Its status as a winter visitor is uncertain. 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
30/06/1985	05/02/2014	75

Luscinia megarhynchos**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
06/05/1980	03/05/2013	133

Muscicapa striata**Spotted Flycatcher**

A fairly common but declining summer visitor, which is a scarce passage migrant in spring and fairly common in the autumn. It 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
27/08/2001	-	1

Oenanthe oenanthe**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
18/09/1993	11/04/2011	3

Phoenicurus phoenicurus**Redstart**

This robin-sized bird is a scarce and declining 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
18/09/1993	-	1

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
18/09/1993	24/08/2011	2

Saxicola rubicola**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
16/12/1992	19/11/2013	7

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
26/02/1992	19/11/2013	24

Turdus merula**Blackbird**

An abundant breeding resident, very common or abundant winter visitor but its status as a passage migrant is unknown. 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
30/06/1985	31/12/2013	72

Turdus philomelos**Song Thrush****BAP N R**

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
30/06/1985	11/06/2013	41

Turdus pilaris**Fieldfare****R !**

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
28/12/1998	04/03/2013	11

Turdus viscivorus**Mistle Thrush****A**

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
27/07/1985	29/05/2011	11

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
30/06/1985	31/12/2013	74

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
30/06/1985	04/02/2014	73

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
31/03/2003	07/11/2013	24

Poecile montana**Willow Tit****BAP N R**

A very scarce and declining 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
01/03/1998	31/03/1998	5

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

A smart looking bird with a black bib and glossy black cap. It is a scarce 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
21/03/1993	27/04/2013	19

Passer domesticus**House Sparrow****BAP N R**

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
30/06/1985	20/12/2013	46

Passer montanus**Tree Sparrow****BAP N R**

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 much declined and now very scarce resident, and a scarce 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
08/05/1990	-	1

Phylloscopus collybita**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
16/03/1989	27/09/2013	47

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
30/06/1985	19/05/2013	12

Prunella modularis**Dunnock****BAP N A**

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
30/06/1985	29/12/2013	56

Regulus ignicapilla**Firecrest****A !**

A scarce or possibly fairly common breeding resident, passage migrant and winter visitor. A bird that shows a preference for the edges of mature spruce plantations where it feeds on insects and spiders. 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
18/02/1999	19/05/2013	7

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
22/07/1993	11/03/2014	19

Sitta europaea**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
07/11/1993	29/12/2013	26

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

This beautiful glossy black bird is a common but declining resident, and very common to abundant 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
30/06/1985	06/02/2014	56

Sylvia atricapilla**Blackcap**

A very common summer visitor and passage migrant, and a scarce winter visitor. 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
27/07/1985	31/08/2013	32

Sylvia borin**Garden Warbler**

A common summer visitor and passage migrant it has very dull brown non-descript plumage as its 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
27/07/1985	17/04/2011	2

Sylvia communis**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
22/04/2008	09/07/2013	11

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
01/06/1991	28/06/2012	9

Troglodytes troglodytes**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
30/06/1985	20/12/2013	55

Phalacrocorax carbo**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
24/08/2011	-	1

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
27/07/1985	29/12/2013	58

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

The size of a sparrow, this is Europe's smallest woodpecker. It is a scarce, possibly now very scarce, and declining 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
20/07/1982	17/03/2004	18

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

This is the largest of the three resident British woodpeckers and is fairly common or 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
30/06/1985	19/11/2013	40

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
06/03/1997	-	1

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
30/04/1983	31/05/2012	42

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
24/06/1977	08/06/2008	17

Strix aluco**Tawny Owl**

This is the UK's most abundant owl and is a fairly common or 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
11/05/1993	01/06/2011	14

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
01/10/1986	26/01/2005	5

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 UK Biodiversity Action Plan (BAP), published in 1994, was the UK Government's response to signing the Convention on Biological Diversity (CBD) at the 1992 Rio Earth Summit. The new **UK post-2010 Biodiversity Framework** replaces the previous UK level BAP, though the lists of priority species agreed under the UK BAP still form the basis of much biodiversity work in the UK. The current strategy for England is '**Biodiversity 2020: A Strategy for England's wildlife and ecosystem services**'. Although the UK BAP has been succeeded, Species Action Plans (SAPs) developed under the UK BAP still remain important and valuable reference sources for background information on Priority Species under the UK Post-2010 Biodiversity Framework.

The new framework includes five internationally agreed strategic goals and supporting targets to be achieved by 2020. The five strategic goals agreed were:

- **Strategic Goal A:** Address the underlying causes of biodiversity loss by mainstreaming biodiversity across government and society
- **Strategic Goal B:** Reduce the direct pressures on biodiversity and promote sustainable use
- **Strategic Goal C:** To improve the status of biodiversity by safeguarding ecosystems, species and genetic diversity
- **Strategic Goal D:** Enhance the benefits to all from biodiversity and ecosystem services
- **Strategic Goal E:** Enhance implementation through participatory planning, knowledge management and capacity building.

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

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

Land at Westbourne Parish

02 June 2015 ESD/15/391

Patricia Goodhew (Westbourne Parish Council)

Lucanus cervus

Stag Beetle

N

Insect - beetle (Coleoptera)

A beetle of broadleaved woodland, parks, other pasture woodland and gardens. The larvae live in the decaying wood of deciduous trees, often in roots and stumps. Widely recorded from West Sussex but rare in East Sussex and apparently absent from much of the vice-county.

Designations

Habitats Directive Annex 2 - non-priority species, 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 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU7699106556	Elizabeth Medler	12/06/2014	3 Wentworth Drive, Southbourne

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
SU769095	Recorder @ BWARS	17/07/1985	Sindles Farm

Odynerus (Odynerus) melanocephalus

Black-headed Mason Wasp

N

Insect - hymenopteran

A solitary wasp associated with open habitats such as clifflands, heaths, dry grassland and scrub. In Sussex recorded only Lavant in the west and Hastings Country Park in the east.

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
SU785080	Recorder @ BWARS	24/05/1985	Funtington Gravel P

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
SU743082	Recorder @ Chi Nat His Soc	03/06/2008	Hollybank Woods
SU795068	Sue Davis	07/06/2012	Puriton Lodge PO18 8UB, West Sussex (VC13)

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
SU743082	Recorder @ Chi Nat His Soc	03/06/2008	Hollybank Woods
SU794068	Sue Davies	31/07/2014	West Ashling

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
SU743082	Recorder @ Chi Nat His Soc	21/07/2006	Hollybank Woods
SU756093	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	Beside sallow trees in damp meadow to west of cottage, Brickkiln Ponds
SU757092	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	South west corner of meadow to the south of the cottage., Brickkiln Ponds
SU794068	Sue Davies	31/07/2014	West Ashling

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
SU756092	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	Wood just north of causeway between two pond, Brickkiln Ponds
SU756093	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	Beside sallow trees in damp meadow to west of cottage, Brickkiln Ponds
SU757092	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	South west corner of meadow to the south of the cottage., Brickkiln Ponds

Ennomos erosaria

September Thorn

N

Insect - moth

A moth of woods and parks flying from July to October. Scattered across Sussex. Larvae have been found on oak, lime and birch.

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
SU794068	Sue Davies	31/07/2014	West Ashling

Eulithis mellinata

Spinach

N

Insect - moth

Found in commons and open woodland and also gardens where its foodplants grow. Larvae on red and black currants. Widespread and moderately common in England and Wales, very local in Scotland. Rather scarce in Sussex with scattered records.

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
SU770096	Graham Roberts;John Velton;Peter Durnell;Peter Potts;Anne De Potier	04/07/1989 - 05/07/1989	Hams Copse, Aldsworth

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
SU743082	Recorder @ Chi Nat His Soc	21/07/2006	Hollybank Woods
SU764091	Graham Roberts;John Velton;Peter Durnell;Peter Potts;Anne De Potier	04/07/1989 - 05/07/1989	Aldsworth Pond and Meadows, Emsworth
SU770096	Graham Roberts;John Velton;Peter Durnell;Peter Potts;Anne De Potier	04/07/1989 - 05/07/1989	Hams Copse, Aldsworth

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
SU770096	Graham Roberts;John Velton;Peter Durnell;Peter Potts;Anne De Potier	04/07/1989 - 05/07/1989	Hams Copse, Aldsworth

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
SU756092	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	Area between two lakes, Brickkiln Ponds
SU756093	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	Beside willow trees in damp meadow to west of cottage, Brickkiln Ponds

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
SU756092	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	Wood just north of causeway between two ponds, Brickkiln Ponds
SU757093	John Langmaid	19/08/1996	Brickkiln Ponds
SU770096	Graham Roberts;John Veltom;Peter Durnell;Peter Potts;Anne De Potier	04/07/1989 - 05/07/1989	Hams Copse, Aldsworth
SU794068	Sue Davies	31/07/2014	West Ashling

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
SU764091	Graham Roberts;John Veltom;Peter Durnell;Peter Potts;Anne De Potier	04/07/1989 - 05/07/1989	Aldsworth Pond and Meadows, Emsworth

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
SU7807	Alan Wingrove	08/05/2012	SU7807 Hambrook, North of A27 (1km sq)

Satyrrium 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 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU763088	Graham Roberts	01/08/1991	Aldsworth Pond and Meadows, Emsworth

Acronicta rumicis

Knot Grass

N

Insect - moth

A widely distributed moth 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
SU757092	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	South west corner of meadow to the south of the cottage., Brickkiln Ponds
SU757093	John Langmaid	19/08/1996	Brickkiln Ponds
SU764091	Graham Roberts;John Veltom;Anne De Potier	04/07/1989	Aldsworth Pond and Meadows, Emsworth
SU794068	Sue Davies	31/07/2014	West Ashling

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
SU757092	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	South west corner of meadow to the south of the cottage., Brickkiln Ponds

Apamea remissa

Dusky Brocade

N

Insect - moth

A generally distributed moth of open woodland, marshes, downland, commons and other grassy places that is in marked decline. Larvae live on grasses. 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
SU764091	Graham Roberts;John Veltom;Anne De Potier	04/07/1989	Aldsworth Pond and Meadows, Emsworth

Brachylomia viminalis

Minor Shoulder-knot

N

Insect - moth

A greyish, rather variable noctuid moth of damp woodlands flying in July and August, heath and fen. The larvae feed on willows. 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
SU764091	Graham Roberts;John Veltom;Anne De Potier	04/07/1989	Aldsworth Pond and Meadows, Emsworth

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
SU743082	Recorder @ Chi Nat His Soc	21/07/2006	Hollybank Woods
SU770096	Graham Roberts;John Veltom;Peter Durnell;Peter Potts;Anne De Potier	04/07/1989 - 05/07/1989	Hams Copse, Aldsworth
SU794068	Sue Davies	31/07/2014	West Ashling
SU795068	Sue Davis	07/06/2012	Puriton Lodge PO18 8UB, West Sussex (VC13)

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
SU756093	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	Beside willow trees in damp meadow to west of cottage, Brickkiln Ponds

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
SU743082	Recorder @ Chi Nat His Soc	21/07/2006	Hollybank Woods
SU756093	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	Beside willow trees in damp meadow to west of cottage, Brickkiln Ponds
SU794068	Sue Davies	31/07/2014	West Ashling

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
SU770096	Graham Roberts;John Veltom;Peter Durnell;Peter Potts;Anne De Potier	04/07/1989 - 05/07/1989	Hams Copse, Aldsworth

Orthosia gracilis

Powdered Quaker

N

Insect - moth

An early-flying noctuid moth attracted to sallow blossom and other flowers in April and May. Larvae usually on sallow in southern Britain. 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
SU756093	Graham Roberts;Simon Curson	04/04/1995	Brickkiln Ponds

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 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU756097	Graham Roberts	21/04/1997	The Groves, Stanstead
SU757095	Barry Collins	01/05/1997	Stanstead Forest Estate

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
SU7807	Alan Wingrove	06/09/2012	SU7807 Hambrook, North of A27 (1km sq)

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
SU7508	Clare Jeffers;Michael Blencowe	28/07/2010	Monk's Farm (1km sq), West Sussex (VC13)
SU7509	Margaret Collins;Barry Collins	28/07/2012	SU7509 Racton Common (1km sq)
SU757092	Barry Collins	25/07/1999	Brickkiln Pond

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 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b))

Grid Reference	Recorder	Date	Locality
SU755092	Graham Roberts	16/06/1993 - 22/07/1993	Brickkiln Ponds
SU769073	SARG 2002 Leaflet	2002	Shamon, Cemetery Lane, Woodmancote, Emsworth, West Sussex
SU797064	R Wildman	1996	Newells Lane Pond and Meadow, Hambrook
SU798064	SARG Sussex Amphibian & Reptile Grp	01/01/1993	Newells Lane, Toad Crossing (A27t), West Sussex (VC13)

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 Section 9.4b), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b), Wildlife and Countryside Act 1981 (Schedule 5))

Grid Reference	Recorder	Date	Locality
SU793064	Liam Russell	11/05/2006	Paddock View, Hambrook, Hambrook
SU797062	Robert Smith	13/07/2009	Orchard Cottage, Newells Lane, West Ashling
SU797064	R Wildman	1996	Newells Lane Pond and Meadow, Hambrook
SU798063	Robert Smith	29/10/2009	Orchard Cottage, Newells Lane, West Ashling
SU798064	SARG Sussex Amphibian & Reptile Grp	01/01/1993	Newells Lane, Toad Crossing (A27t), 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
SU7609	K Fleming	1974	North of Westbourne, 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 Section 9.1 (killing/injuring)), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.1 (taking)), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.2), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.4, subdivision a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.4b), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b), Wildlife and Countryside Act 1981 (Schedule 5)

Grid Reference	Recorder	Date	Locality
SU7506	Brian Fellows	February 2002	River Ems, Brook Meadow, Southbourne CP
SU753064	Christine Pilkington	2002	Peters Pond, Brook Meadow, Southbourne CP
SU759080	Paul Smith	05/06/2001	Westbourne, West Sussex (VC13)
SU759083	Paul Smith	16/08/2001	Sun-trap, Highleigh Rd, Highleigh, Sidlesham, West Sussex (VC13)
SU75940795	Frances Southgate	08/07/2014	Watersmeet

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
SU763088	Graham Roberts; John Knight	01/12/1999	Aldsworth Pond and Meadows, Emsworth

Anguis fragilis

Slow-worm

N

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 Section 9.1 (killing/injuring)), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU756081	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/01/1992	Westbourne, West Sussex (VC13)
SU767060	Frances Lowe ECOSA	09/07/2013	Manor Way, Southbourne, Emsworth
SU769073	SARG 2002 Leaflet	2002	Shamon, Cemetery Lane, Woodmancote, Emsworth, West Sussex
SU7699106556	Elizabeth Medler	12/06/2014	3 Wentworth Drive, Southbourne
SU7907	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/01/1994	Coboe Cott, West Ashling Rd, Hambrook, Chichester, West Sussex (VC13)

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 Section 9.1 (killing/injuring)), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU7609	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	29/09/1993	Sindles Farm, Aldsworth, West Sussex (VC13)
SU769073	SARG 2002 Leaflet	2002	Shamon, Cemetery Lane, Woodmancote, Emsworth, West Sussex
SU772074	SARG 2002 Leaflet	2002	Walnut Tree Drive, West Sussex
SU7906	SARG Sussex Amphibian & Reptile Grp;Dennis Dey	01/06/1999	Abbots Ford, Scant road, West Chichester, West Sussex (VC13)

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 Section 9.1 (killing/injuring)), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a), Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)

Grid Reference	Recorder	Date	Locality
SU755092	Graham Roberts	16/06/1993 - 22/07/1993	Brickkiln Ponds
SU767060	Frances Lowe ECOSA	03/07/2013	Manor Way, Southbourne, Emsworth

Segmentina nitida

The Shining Ram's-horn

N

Mollusc

A formerly widespread species of well-vegetated ponds and dykes that has declined considerably and is now confined to a few grazing marshes in South East England and East Anglia. Recorded quite widely in suitable habitats in East and West Sussex. 1980-1996.

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
SU763088	Margaret Palmer	June 1984	Aldsworth Pond

Varicellaria hemisphaerica

N

Lichen

A lichen that occurs on the rough bark or sheltered, well-lit mature trees, especially beech, oak and ash in ancient woodlands and parklands. Found in the British Isles in Southern England, Wales and Ireland.

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
SU7408	Francis Rose	March 1980	Woods N. of Emsworth [Southleigh Forest]
SU766087	Brian Coppins;Francis Rose	30/12/1969	Aldsworth Park

Pilularia globulifera

Pillwort

N

Fern

A small fern growing that grows beside still, or slowly flowing, non-calcareous water. Formerly scattered thinly across our area but now assumed to be extinct in both East and West Sussex. 1790-1985

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
SU7507	Frederick Henry Arnold	1901	Westbourne Common

Chamaemelum nobile

Chamomile

N

Flowering plant

The decline in many parts of Britain of this species of heaths and commons became apparent towards the end of the last century. The plant still occurs in both East and West Sussex on greens, cricket fields and closely mown unimproved turf and may increase in response to pony grazing.

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
SU757084	Simon Curson	10/06/2003	Westbourne Cricket Grounds SNCI, West Sussex (VC13)
SU758083	Anon @ PLANTLIFE;Heather Winship	08/07/1993	Westbourne cricket pitch, West Sussex (VC13)

Pulicaria vulgaris

Small Fleabane

N

Flowering plant

A plant of muddy pond edges and well-trampled tracks. Extinct 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, Sussex Protected Species Register, Sussex Rare Species Inventory, UK Biodiversity Action Plan priority species, Wildlife and Countryside Act 1981 (Schedule 8)

Grid Reference	Recorder	Date	Locality
SU7408	Francis Rose;Edward (Ted) Pratt	22/09/1981	Woods N. of Emsworth [Southleigh Forest]

Illecebrum verticillatum

Coral-necklace

N

Flowering plant

A small, creeping annual of periodically wet or inundated acidic to neutral soils on gravelly tracks, pool and ditch margins, in very short heathy swards and grassland; also recorded on clinker in railway sidings. It has been recorded in West Sussex from Chichester and Pulborough Brooks in this century.

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
SU7408	Francis Rose;Edward (Ted) Pratt	22/09/1981	Woods N. of Emsworth [Southleigh Forest]

Stellaria palustris

Marsh Stitchwort

N

Flowering plant

A perennial of wet places, including pastures, grassy fens and marshes, especially in areas with standing water in winter. In our area confined to the Arun Valley, 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
SU763088	Simon Curson	06/02/2003	Aldsworth Pond & Meadows SNCI, Emsworth

Puccinellia fasciculata

Borrer's Saltmarsh-grass

N

Flowering plant

A grass of bare places by the sea, in grazing marshes around cattle-poached pools and depressions and on earthen sea walls. This species was once widespread along the Sussex coast but has declined considerably. Currently known from seven sites along the East and West Sussex coast.

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
SU70Z	Anon @ Sussex Bot. Rec. Soc.;Nick Sturt	1986 - 2002	W.Itchenor, West Sussex (VC13)

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.

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>)
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 information on the distribution and status of over 400 Sussex Rare Plants, putting data from RSI reports into a Sussex-wide context. Please see [our website](#) for more information.

IUCN Categories of Rarity

The following is a summary of the IUCN categories of rarity. For further information visit the [IUCN website](#).

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

Land at Westbourne Parish

02 June 2015

ESD/15/391

Patricia Goodhew (Westbourne Parish Council)

Argiope bruennichi

Wasp Spider

Spider (Araneae)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU781082	Recorder @ WildCall	09/09/2010	West Sussex (VC13)

Riolus cupreus

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU75500745	EA - Environment Agency	25/08/2000	River Ems, Westbourne - upstream gauging stn

Enochrus melanocephalus

Insect - beetle (Coleoptera)

A very local scavenger water beetle found in a wide diversity of ponds and ditches. The name has been conflated with *E. bicolor* and *E. quadripunctatus*. Nearly all our records are from East Sussex between Lewes and the Kent border. Widespread elsewhere in England and eastern Wales.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU763088	Margaret Palmer	June 1984	Aldsworth Pond

Helochares lividus

Insect - beetle (Coleoptera)

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU763088	Margaret Palmer	June 1984	Aldsworth Pond

*Lucanus cervus***Stag Beetle**

Insect - beetle (Coleoptera)

A beetle of broadleaved woodland, parks, other pasture woodland and gardens. The larvae live in the decaying wood of deciduous trees, often in roots and stumps. Widely recorded from West Sussex but rare in East Sussex and apparently absent from much of the vice-county.

Designations

Habitats Directive Annex 2 - non-priority species; 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
SU7699106556	Elizabeth Medler	12/06/2014	3 Wentworth Drive, Southbourne

Andrena (Simandrena) congruens

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	07/08/1985	Sindle's Farm; Hamms Copse

*Ceratina (Euceratina) cyanea***Blue Carpenter Bee**

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	17/07/1985	Sindle's Farm; Hamms Copse
SU785080	Recorder @ BWARS	24/05/1987	Funtington Gravel Pit

Lasioglossum (Evylaeus) pauxillum

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU751062	Recorder @ BWARS	06/07/2004	Brook Meadow (Lumley Meadow SINC): Mid + North Meadow

Lasioglossum (Evylaeus) semilucens

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	12/09/1985	Sindles Farm

Melitta tricincta

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	15/08/1985	Sindles Farm

Osmia (Melanosmia) pilicornis

Fringe Horned Mason Bee

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	25/05/1985	Sindles Farm

Chrysis schencki

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	28/05/1990	Hams C. Sindles Fm.

Crossocerus (Cuphopterus) binotatus

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	10/07/1985	Sindles Farm

Nysson dimidiatus

Small Spurred Digger Wasp

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	26/07/1985	Sindles Farm

Spilomena troglodytes

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	05/09/1985	Sindles Farm

Priocnemis (Priocnemis) cordivalvata

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	15/08/1985	Sindles Farm

Priocnemis (Priocnemis) hyalinata

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	25/08/1985	Sindles Farm

*Tiphia minuta**Small Tiphia*

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	28/05/1990	Hamms C. Sindles Fm

Microdynerus exilis

Insect - hymenopteran

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU769095	Recorder @ BWARS	25/08/1985	Sindles Farm

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
SU743082	Recorder @ Chi Nat His Soc	03/06/2008	Hollybank Woods

Metriotes lutarea

Stitchwort Case-bearer

Insect - moth**Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU7907	John Langmaid	18/05/1989	Hambrook

Cyclophora annularia

Mocha

Insect - moth

This pretty nationally scarce (b) species occurs in woodlands in parts of southern England. In Sussex it is 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
SU743082	Recorder @ Chi Nat His Soc	21/07/2006	Hollybank Woods
SU757092	John Langmaid;Graham Roberts;Simon Curson	19/08/1996	Brickkiln Ponds

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
SU743082	Recorder @ Chi Nat His Soc	21/07/2006	Hollybank Woods

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
SU70P	BBCS British Butterfly Con. Soc.	1996 - 2000	West Sussex (VC13)
SU7509	Margaret Collins; Barry Collins	28/07/2012	SU7509 Racton Common (1km sq)
SU756093	Neil Hulme	13/07/2013	Brickkiln Ponds
SU759091	Barry Collins	09/07/2006	Brickkiln Pond
SU7606	Anthony Wootton	29/07/2010	West Sussex (VC13)
SU7609	Barry Collins	09/08/2012	SU7609 Sindle's Farm (1km sq)

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
SU756097	Graham Roberts	21/04/1997	The Groves, Stanstead
SU757095	Barry Collins	01/05/1997	Stanstead Forest Estate

Erythromma viridulum

Small Red-eyed Damselfly

Insect - dragonfly (Odonata)

A damselfly mainly of lakes and ponds with floating vegetation. Following an unconfirmed record at Pett Level in 2000, the species was found in some numbers at Icklesham and in the Cuckmere Valley, all in East Sussex and is now regarded as resident. First recorded as a breeding species in the British Isles in 1999 in Essex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU756092	Barry Collins	21/08/2006	Brickkiln Ponds

Cordulia aenea

Downy Emerald

Insect - dragonfly (Odonata)

A dragonfly of nutrient-poor tree-lined or woodland ponds, lakes, canals, slow-flowing rivers and streams. Thinly but widely scattered across our area. Elsewhere it is a scarce species and southern and south eastern England are its main strongholds in the British Isles.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU755092	C B Collins	01/01/2001 - 31/12/2001	Brickkiln Ponds
SU756092	Barry Collins	22/05/2005	Brickkiln Ponds
SU757092	Graham Roberts	07/06/2010	West Sussex (VC13)

Sympetrum fonscolombii

Red-veined Darter

Insect - dragonfly (Odonata)

A migrant dragonfly that breeds in a wide range of fresh and brackish lakes and other water bodies. Recorded sporadically in south east England and has occasionally bred here. Most records in our area are from coastal sites in East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU7590008040	Sean Ashworth	09/04/2004	Westbourne CP

*Agapetus fuscipes***Insect - caddis fly (Trichoptera)**

Several records from rivers and streams in the west of West Sussex and the only Glossomatid caddis fly to be recorded in Sussex. Widespread elsewhere in Britain.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU75500745	EA - Environment Agency	23/05/2001	River Ems, Westbourne - upstream gauging stn
SU757078	EA - Environment Agency	23/05/2001	River Ems, Westbourne - d/s from bridge.

*Allotrichia pallicornis***Insect - caddis fly (Trichoptera)**

A species from fast flowing stony streams and rivers. Recorded from Westbourne on the river Ems in West Sussex and in a moth trap in Hurst Green in East Sussex. Widespread, but with few records in Britain.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU75500745	EA - Environment Agency	23/05/2001	River Ems, Westbourne - upstream gauging stn
SU757078	EA - Environment Agency	23/05/2001	River Ems, Westbourne - d/s from bridge.

*Holocentropus stagnalis***Insect - caddis fly (Trichoptera)**

A rather scarce species but widespread in much of England in weedy ponds, pools and lakes. Only one Sussex record (1984) from Aldsworth Pond in the far west of West Sussex and considered 'notable' in South East England.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU763088	Margaret Palmer	June 1984	Aldsworth Pond

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; 9.4; subdivision a; 9.4b; 9.5a; 9.5b; Schedule 5)

Grid Reference	Recorder	Date	Locality
SU7506	Brian Fellows	February 2002	Southbourne CP
SU753064	Christine Pilkington	2002	Southbourne CP
SU759080	Paul Smith	05/06/2001	West Sussex (VC13)
SU759083	Paul Smith	16/08/2001	West Sussex (VC13)
SU75940795	Frances Southgate	08/07/2014	Watersmeet

Segmentina nitida

The Shining Ram's-horn

Mollusc

A formerly widespread species of well-vegetated ponds and dykes that has declined considerably and is now confined to a few grazing marshes in South East England and East Anglia. Recorded quite widely in suitable habitats in East and West Sussex. 1980-1996.

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
SU763088	Margaret Palmer	June 1984	Aldsworth Pond

Melanelia disjuncta

Lichen

A lichen that grows on hard, sunlit rocks. Mainly from upland Britain but also coastal. In our area recorded only from granite slabs in Stopham churchyard, West Sussex. 1992.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU756074	Graham Roberts;Howard Matcham;Rod Stern;Francis Rose	23/07/1992	Westbourne Churchyard

Leptogium teretiusculum

Lichen

A lichen that grows on the shaded bark of old trees, on smooth-grained basic rocks and in coastal grassland. Found throughout the British Isles and recorded in our area from parklands, downs and commons across both East and West Sussex. 1967-1994.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU756074	Graham Roberts;Howard Matcham;Rod Stern;Francis Rose	23/07/1992	Westbourne Churchyard

Hygrocybe insipida

Spangle Waxcap

Fungus**Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU756085	Peter Russell	16/10/2004	Westbourne CP

Ricciocarpos natans

Fringed Heartwort

Liverwort

A terrestrial or floating lowland thallose liverwort of stagnant or slow-flowing water and intermittently exposed wet mud. Often associated with duckweed (*Lemna* spp.). Recorded from scattered localities in the British Isles and in our area from the river Ems and Knepp Castle in West Sussex and Cuckfield in East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU70T	Howard Matcham	14/10/2010	Westbourne
SU7606	Howard Matcham	14/10/2010	West Sussex (VC13)
SU762078	SAMLL	1992	West Sussex (VC13)

Grimmia ovalis

Flat-rock Grimmia

Moss

A very rare and decreasing moss that forms blackish green, sometimes hoary cushions on acidic or neutral rocks and roofing tiles. Its British strongholds are in the South East. Recorded only from Funtington, West Sussex in 1995 in our area.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU796062	Rod Stern	1995	West Sussex (VC13)

Pilularia globulifera

Pillwort

Fern

A small fern growing that grows beside still, or slowly flowing, non-calcareous water. Formerly scattered thinly across our area but now assumed to be extinct in both East and West Sussex. 1790-1985

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
SU7507	Frederick Henry Arnold	1901	Westbourne Common

Epipactis palustris

Marsh Helleborine

Flowering plant

An orchid of neutral to calcareous fens, marshes, damp pastures, meadows and dune-slacks. It is restricted to two widely separated sites in East Sussex.

Designations

EC CITES Annex B; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU764079	G. Roberts	27/08/1991	River Ems and Meadows, Westbourne.

Artemisia absinthium

Wormwood

Flowering plant

Always rare in Sussex and possibly introduced, it has declined considerably since 1980. In West Sussex there is a single record and in East Sussex a few scattered records but none of them appears to be native.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU767066	Rod Stern; V. Stern	July 2006	West Sussex (VC13)

Chamaemelum nobile

Chamomile

Flowering plant

The decline in many parts of Britain of this species of heaths and commons became apparent towards the end of the last century. The plant still occurs in both East and West Sussex on greens, cricket fields and closely mown unimproved turf and may increase in response to pony grazing.

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
SU757084	Simon Curson	10/06/2003	West Sussex (VC13)
SU758083	Anon @ PLANTLIFE; Heather Winship	08/07/1993	West Sussex (VC13)

Pulicaria vulgaris

Small Fleabane

Flowering plant

A plant of muddy pond edges and well-trampled tracks. Extinct 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; Sussex Protected Species Register; Sussex Rare Species Inventory; UK Biodiversity Action Plan priority species; Wildlife and Countryside Act 1981 (Schedule 8)

Grid Reference	Recorder	Date	Locality
SU7408	Francis Rose; Edward (Ted) Pratt	22/09/1981	Woods N. of Emsworth [Southleigh Forest]

Galium uliginosum

Fen Bedstraw

Flowering plant

A perennial plant of base-rich marshes and fens, An uncommon and declining species with a handful of sites in West Sussex and now only one in East Sussex.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU7608	Graham Roberts;Francis Rose	04/07/1991	Aldsworth
SU764079	Frances Abraham	09/09/2001	West Sussex (VC13)
SU764089	Francis Rose;Graham Roberts	28/06/1990 - 04/07/1991	Meadow East of Aldsworth Pond
SU7906	Graham Roberts;Francis Rose	04/07/1991	Hambrook Common - relic of (S. of A27)
SU797064	Francis Rose;Graham Roberts	04/07/1991	Newells Lane Pond and Meadow, Hambrook

Salix triandra x viminalis = *S. x mollissima*

Sharp-stipuled Willow

Flowering plant**Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU764079	G. Roberts	27/08/1991	River Ems and Meadows, Westbourne.

Tilia platyphyllos

Large-leaved Lime

Flowering plant

A native tree in old, mixed deciduous woodland on calcareous or, rarely, acidic soils. Also widely planted. Thought to be native on the downland scarp in West Sussex. In East Sussex it is as widely planted as in the west of our area, but not considered native.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU755067	SBRS	21/08/2011	West Sussex (VC13)

Oxalis dillenii

Sussex Yellow-sorrel

Flowering plant**Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU7877907314	M M Shaw	13/07/2009	West Sussex (VC13)

Myosurus minimus

Mousetail

Flowering plant

An annual of seasonally flooded, nutrient-rich soils in areas disturbed by machinery or animals, such as hollows on ploughed land, rutted tracks and gateways in pastures. In Sussex this species was always rather scarce and sporadic in appearance. It is declining slowly in West Sussex and has now gone from East Sussex.

Designations

Farm Environment Plan Guidance 007- Table 3; IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU763094	Anon @ Sussex Bot. Rec. Soc.; Nick Sturt; Elizabeth Sturt	1996	West Sussex (VC13)

Groenlandia densa

Opposite-leaved Pondweed

Flowering plant

A perennial which may grow in lakes and rivers, but is more frequent in smaller water bodies such as streams, canals, ditches and ponds. There are widespread records from West Sussex but only three in East Sussex, where it is significantly less common than it was in the past.

Designations

IUCN (2001) - Vulnerable; Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU764079	G. Roberts	27/08/1991	River Ems and Meadows, Westbourne.

Rorippa amphibia

Great Yellow-cress

Flowering plant

A perennial of emergent vegetation along the edges of streams and rivers, by lakes and ponds and in other swampy ground. Still locally frequent in parts of the Arun Valley, but it may have gone from areas in the Adur Valley where it was formerly known. In East Sussex it persists in a few scattered sites.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU7555809077	M. Shaw	30/06/2011	West Sussex (VC13)

Veronica anagallis-aquatica x catenata = *V. x lackschewitzii*

Water Speedwell

Flowering plant**Designations**

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU75150645	Brian Fellows	16/06/2009	Lumley Stream

Carex otrubae x remota = *C. x pseudoaxillaris*

Sedge

Flowering plant

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU70U	SPASU	1985	West Sussex (VC13)
SU7608	Anon @ Sussex Bot. Rec. Soc.; Pat Donovan	1986 - 2001	West Sussex (VC13)

Carex pulicaris

Flea Sedge

Flowering plant

Once frequent in damp, base-rich situations, now extremely rare in the county. Although usually associated with bogs and damp pastures, it was occasionally found on the Downs.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU764079	G. Roberts	27/08/1991	River Ems and Meadows, Westbourne.

Alopecurus bulbosus

Bulbous Foxtail

Flowering plant

A rare grass in Sussex, this species is a plant of brackish meadows near the sea and of tidal river banks. Recorded from nine sites across the two counties since 1986.

Designations

Sussex Rare Species Inventory

Grid Reference	Recorder	Date	Locality
SU7608	Graham Roberts; Francis Rose	04/07/1991	Aldsworth

Puccinellia fasciculata

Borrer's Saltmarsh-grass

Flowering plant

A grass of bare places by the sea, in grazing marshes around cattle-poached pools and depressions and on earthen sea walls. This species was once widespread along the Sussex coast but has declined considerably. Currently known from seven sites along the East and West Sussex coast.

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
SU70Z	Anon @ Sussex Bot. Rec. Soc.; Nick Sturt	1986 - 2002	West Sussex (VC13)

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.

Land at Westbourne Parish

02 June 2015

ESD/15/391

Patricia Goodhew (Westbourne Parish Council)

Harmonia axyridis

Harlequin Ladybird

Insect - beetle (Coleoptera)

A native of the Far East this was first recorded in Britain in 2004 and in Sussex near Icklesham in May 2005; widespread in East and West Sussex by 2006. It is larger and more voracious than our native ladybirds and may compete with them and attack other invertebrates. Can also damage fruit and be a nuisance when hibernating in large aggregations in houses.

Grid Reference	Recorder	Date	Locality
SU76970732	Hilary Richardson	09/07/2014	Shamba
SU791068	Tom Bray	13/07/2014	Hambrook
SU7910906718	Tom Bray	18/11/2013	Unspecified Location Within Chidham CP

Cameraria ohridella

Horse-Chestnut Leaf-miner

Insect - moth

Discovered in south east Europe in 1985, this moth was first recorded in Britain at Wimbledon, London, in 2002 but possibly had arrived the previous year. Now found quite extensively in the south-east of England including Sussex. The larval mines disfigure the leaves of horse chestnut with brown blotches, often many to one leaf.

Grid Reference	Recorder	Date	Locality
SU7509	M.R. Young; John Langmaid	18/10/2011	Stansted Estate, West Sussex (VC13)

Heracleum mantegazzianum

Giant Hogweed

Flowering plant

A very large, introduced umbelliferous plant from south west Asia with a capacity to cause dermatitis and painful blistering of the skin. First recorded in the wild in UK in 1828 and now widespread especially along river and stream banks. In addition to its irritant qualities its huge leaves suppress native flora and fauna. Widespread in Sussex.

Grid Reference	Recorder	Date	Locality
SU790064	Recorder @ ERAP Ltd	July 2008	Land at the Avenue, Hambrook

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
SU7565907569	M M Shaw	15/04/2010	Westbourne area , North Street
SU759082	Nick Sturt;Elizabeth Sturt	26/04/2009	Westbourne North, West Sussex (VC13)
SU772083	Anon @ Sussex Bot. Rec. Soc.;Nick Sturt	1995	Aldsworth, West Sussex (VC13)
SU782079	Anon @ Sussex Bot. Rec. Soc.;Nick Sturt	1995	Woodmancote, West Sussex (VC13)

Hyacinthoides non-scripta x hispanica = Hybrid bluebell
*H. x massartiana***Flowering plant**

A hybrid between our native bluebell, *H. non-scripta* and Spanish Bluebell, *H. hispanica*. Widespread in Sussex.

Grid Reference	Recorder	Date	Locality
SU70U	Nick Sturt;Elizabeth Sturt	26/04/2009	Aldsworth area

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
SU70P	Rod Stern;V. Stern	12/08/2006	S. Stanstead, West Sussex (VC13)
SU70T	A. Spiers	21/08/2011	Westbourne, Cemetery Lane, 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
SU70T	M M Shaw	17/05/2010	Woodmancote area, West Sussex (VC13)
SU70U	Nick Sturt;Elizabeth Sturt	26/04/2009	Aldsworth area

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
SU70T	Alan Knapp	22/09/2005	Southbourne, West Sussex (VC13)
SU70Z	Rod Stern	10/07/2005	Adsdean, 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
SU7669709866	Rod Stern	24/06/2009	Sindles Farm, West Sussex (VC13)
SU768098	Anon @ Sussex Bot. Rec. Soc.;R Hollins	1997	'Aldsworth, Sindles Farm', 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
SU70Z	Nick Sturt;Elizabeth Sturt	30/05/2005	Adsdean/Lordington area, West Sussex (VC13)
SU790064	Recorder @ ERAP Ltd	July 2008	Land at the Avenue, Hambrook

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
SU70P	Nick Sturt;Elizabeth Sturt	22/04/2006	North Westbourne, West Sussex (VC13)

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
SU70P	Rod Stern;V. Stern	12/08/2006	S. Stanstead, West Sussex (VC13)
SU70U	Rod Stern	24/06/2009	Sindles Farm, West Sussex (VC13)
SU7878307204	M M Shaw	13/07/2009	Hambrook area, West Sussex (VC13)

Cotoneaster bullatus

Hollyberry cotoneaster

Flowering plant

A shrub from China and popular in gardens. However, it is an invasive species now listed on schedule 9 of the Wildlife & Countryside Act 1981. Quite widely recorded as a garden escape in East and West Sussex.

Grid Reference	Recorder	Date	Locality
SU753064	Alan Knapp;K.A. Knapp	01/07/2009	Lumley, West Sussex (VC13)

Cotoneaster horizontalis

Wall Cotoneaster

Flowering plant

A small shrub from western China now widely naturalised in the British Isles and often highly invasive, especially on chalk slopes. Recorded from many places in East and West Sussex. Listed on schedule 9 of the Wildlife & Countryside Act 1981.

Grid Reference	Recorder	Date	Locality
SU70P	M. Shaw	30/06/2011	Pond Copse, Stansted, 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
SU70P	Rod Stern; V. Stern	12/08/2006	S. Stanstead, West Sussex (VC13)
SU770080	Victoria Hume	17/09/2008	Var Cottage Wood
SU794063	Recorder @ Lindsay Carrington Ecological	03/07/2009	'Woodlands', Drift Lane, Chidham CP

FULL SPECIES LIST (Excluding Birds)

Land at Westbourne Parish

02 June 2015

ESD/15/391

Patricia Goodhew (Westbourne Parish Council)

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Callithea pudibunda f. concolor</i>	Pale Tussock form concolor		03/06/2006	03/06/2008	4
<i>Alcis repandata f. conversaria</i>	Mottled Beauty form conversaria		21/07/2006	-	2
<i>Hygrocybe chlorophana</i>	Golden Waxcap	fungus	16/10/2004	-	1
<i>Schizothecium aloides</i>		fungus	04/11/2010	-	1
<i>Coleosporium tussilaginis</i>		fungus	31/08/2011	-	1
<i>Hygrocybe conica</i>	Blackening Waxcap	fungus	16/10/2004	-	1
<i>Hygrocybe glutinipes var. glutinipes</i>	Glutinous Waxcap	fungus	16/10/2004	-	1
<i>Hygrocybe insipida</i>	Spangle Waxcap	fungus	16/10/2004	-	1
<i>Hygrocybe russocoriacea</i>	Cedarwood Waxcap	fungus	16/10/2004	-	1
<i>Hygrocybe virginea var. virginea</i>	Snowy Waxcap	fungus	16/10/2004	-	1
<i>Dermoloma cuneifolium</i>	Crazed Cap	fungus	16/10/2004	-	1
<i>Cheilymenia granulata</i>		fungus	14/10/2010	-	1
<i>Xanthoria calcicola</i>		lichen	31/03/1980	23/07/1992	3
<i>Caloplaca dalmatica</i>		lichen	25/02/1992	-	1
<i>Caloplaca flavescens</i>		lichen	31/03/1980	23/07/1992	4
<i>Caloplaca holocarpa</i>		lichen	25/02/1992	23/07/1992	2
<i>Caloplaca saxicola</i>		lichen	25/02/1992	-	1
<i>Caloplaca teicholyta</i>		lichen	31/03/1980	23/07/1992	3
<i>Xanthoria candelaria</i>		lichen	11/10/1969	-	1
<i>Xanthoria parietina</i>	Common Orange Lichen	lichen	11/10/1969	25/02/1992	3
<i>Tephromela atra</i>	Black Shields	lichen	31/03/1980	23/07/1992	3
<i>Caloplaca crenularia</i>		lichen	25/02/1992	-	1
<i>Lecania erysibe</i>		lichen	25/02/1992	-	3
<i>Ramalina farinacea</i>		lichen	11/10/1969	25/02/1992	3
<i>Lecania naegelii</i>		lichen	30/12/1969	-	1
<i>Lecania cyrtella</i>		lichen	30/12/1969	-	1
<i>Caloplaca citrina</i>		lichen	30/12/1969	23/07/1992	6
<i>Caloplaca aurantia</i>		lichen	31/03/1980	23/07/1992	2

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Lepraria vouauxii</i>		lichen	23/07/1992	-	1
<i>Lepraria incana</i>		lichen	30/12/1969	25/02/1992	5
<i>Psilolechia lucida</i>		lichen	25/02/1992	-	1
<i>Ramalina fastigiata</i>		lichen	11/10/1969	25/02/1992	3
<i>Cliostomum griffithii</i>		lichen	30/12/1969	31/03/1980	2
<i>Bacidia rubella</i>		lichen	30/12/1969	-	1
<i>Protoblastenia rupestris</i>		lichen	25/02/1992	23/07/1992	2
<i>Rinodina roboris</i>		lichen	11/10/1969	-	1
<i>Rinodina oleae</i>		lichen	25/02/1992	-	3
<i>Physconia perisidiosa</i>		lichen	30/12/1969	-	1
<i>Physconia grisea</i>		lichen	11/10/1969	25/02/1992	5
<i>Physconia distorta</i>		lichen	30/12/1969	-	1
<i>Ramalina lacera</i>		lichen	25/02/1992	-	1
<i>Varicellaria hemisphaerica</i>		lichen	30/12/1969	31/03/1980	2
<i>Diplotomma alboatrum</i>		lichen	25/02/1992	-	2
<i>Diploicia canescens</i>		lichen	11/10/1969	23/07/1992	8
<i>Calicium viride</i>		lichen	30/12/1969	-	1
<i>Buellia ocellata</i>		lichen	25/02/1992	-	1
<i>Buellia aethalea</i>		lichen	25/02/1992	23/07/1992	2
<i>Amandinea punctata</i>		lichen	11/10/1969	30/12/1969	2
<i>Toninia aromatica</i>		lichen	23/07/1992	-	3
<i>Catillaria lenticularis</i>		lichen	25/02/1992	23/07/1992	4
<i>Pertusaria pertusa</i>		lichen	11/10/1969	31/03/1980	3
<i>Pertusaria leioplaca</i>		lichen	31/03/1980	-	1
<i>Pertusaria hymenea</i>		lichen	30/12/1969	31/03/1980	2
<i>Pertusaria coccodes</i>		lichen	11/10/1969	30/12/1969	2
<i>Pertusaria amara</i>		lichen	11/10/1969	31/03/1980	3
<i>Graphis scripta</i>	Script Lichen	lichen	31/03/1980	-	1
<i>Placynthium nigrum</i>		lichen	23/07/1992	-	1
<i>Lecidea fuscoatra</i>		lichen	25/02/1992	-	1
<i>Porpidia tuberculosa</i>		lichen	25/02/1992	-	2
<i>Graphis elegans</i>		lichen	31/03/1980	-	1
<i>Belonia nidarosiensis</i>		lichen	25/02/1992	23/07/1992	2
<i>Physcia caesia</i>		lichen	25/02/1992	-	1
<i>Pertusaria albescens</i> var. <i>corallina</i>		lichen	30/12/1969	-	1
<i>Peltigera membranacea</i>		lichen	22/09/1981	-	1
<i>Pertusaria albescens</i>		lichen	30/12/1969	-	1
<i>Aspicilia calcarea</i>		lichen	31/03/1980	23/07/1992	4
<i>Aspicilia contorta</i>		lichen	31/03/1980	23/07/1992	5
<i>Ochrolechia parella</i>	Parelle	lichen	25/02/1992	-	1
<i>Ochrolechia subviridis</i>		lichen	11/10/1969	31/03/1980	3
<i>Ochrolechia turneri</i>		lichen	30/12/1969	-	1
<i>Scoliciosporum umbrinum</i>		lichen	23/07/1992	-	1
<i>Phlyctis argena</i>		lichen	31/03/1980	-	3

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Cladonia portentosa</i>	Reindeer Moss	lichen	22/09/1981	-	1
<i>Trapeliopsis flexuosa</i>		lichen	25/02/1992	-	1
<i>Trapelia coarctata</i>		lichen	25/02/1992	-	1
<i>Candelaria concolor</i>		lichen	30/12/1969	-	1
<i>Candelariella medians</i>		lichen	31/03/1980	23/07/1992	2
<i>Candelariella vitellina</i>		lichen	30/12/1969	23/07/1992	4
<i>Cladonia coniocraea</i>		lichen	30/12/1969	31/03/1980	3
<i>Physcia tribacia</i>		lichen	25/02/1992	-	1
<i>Cladonia floerkeana</i>		lichen	22/09/1981	-	1
<i>Verrucaria muralis</i>		lichen	25/02/1992	23/07/1992	3
<i>Cladonia pyxidata</i>		lichen	31/03/1980	23/07/1992	2
<i>Cladonia rangiformis</i>		lichen	22/09/1981	-	2
<i>Haematomma ochroleucum</i> var. <i>porphyrium</i>		lichen	25/02/1992	-	1
<i>Lecanora albescens</i>		lichen	25/02/1992	23/07/1992	4
<i>Lecanora campestris</i>		lichen	31/03/1980	23/07/1992	4
<i>Lecanora chlarotera</i>		lichen	30/12/1969	-	1
<i>Cladonia fimbriata</i>		lichen	22/09/1981	23/07/1992	3
<i>Opegrapha varia</i>	Netted Shield Lichen	lichen	30/12/1969	-	1
<i>Arthonia didyma</i>		lichen	31/03/1980	-	1
<i>Arthonia radiata</i>		lichen	30/12/1969	-	1
<i>Arthonia spadicea</i>		lichen	31/03/1980	-	1
<i>Chrysothrix candelaris</i>		lichen	30/12/1969	31/03/1980	3
<i>Dirina massiliensis</i> f. <i>sorediata</i>		lichen	25/02/1992	23/07/1992	2
<i>Enterographa crassa</i>		lichen	31/03/1980	-	1
<i>Verrucaria viridula</i>		lichen	31/03/1980	23/07/1992	4
<i>Opegrapha herbarum</i>		lichen	30/12/1969	-	1
<i>Verrucaria nigrescens</i>		lichen	31/03/1980	25/02/1992	3
<i>Opegrapha vulgata</i>		lichen	30/12/1969	-	1
<i>Schismatomma decolorans</i>		lichen	11/10/1969	31/03/1980	3
<i>Acrocordia gemmata</i>		lichen	11/10/1969	30/12/1969	2
<i>Verrucaria baldensis</i>		lichen	25/02/1992	23/07/1992	2
<i>Verrucaria glaucina</i>		lichen	31/03/1980	23/07/1992	3
<i>Verrucaria hochstetteri</i>		lichen	25/02/1992	23/07/1992	3
<i>Lecanora dispersa</i>		lichen	30/12/1969	25/02/1992	4
<i>Opegrapha corticola</i>		lichen	31/12/1990	-	1
<i>Usnea cornuta</i>		lichen	31/03/1980	-	1
<i>Lecanora conizaeoides</i>		lichen	30/12/1969	25/02/1992	3
<i>Parmelia saxatilis</i>		lichen	30/12/1969	25/02/1992	4
<i>Parmelia sulcata</i>		lichen	30/12/1969	25/02/1992	4
<i>Parmotrema perlatum</i>		lichen	11/10/1969	31/03/1980	3
<i>Parmotrema reticulatum</i>		lichen	11/10/1969	30/12/1969	2
<i>Punctelia reddenda</i>		lichen	30/12/1969	-	1
<i>Melanelixia subaurifera</i>		lichen	11/10/1969	25/02/1992	3
<i>Usnea ceratina</i>		lichen	30/12/1969	31/03/1980	2

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<i>Melanelixia glabratula</i>		lichen	31/03/1980	-	1
<i>Usnea subfloridana</i>		lichen	30/12/1969	-	1
<i>Xanthoparmelia mougeotii</i>		lichen	25/02/1992	-	1
<i>Xanthoparmelia verruculifera</i>		lichen	25/02/1992	-	1
<i>Phaeophyscia orbicularis</i>		lichen	30/12/1969	23/07/1992	5
<i>Physcia adscendens</i>		lichen	30/12/1969	23/07/1992	4
<i>Physcia aipolia</i>		lichen	30/12/1969	-	1
<i>Leptogium teretiusculum</i>		lichen	23/07/1992	-	1
<i>Punctelia subrudecta</i>		lichen	11/10/1969	31/03/1980	4
<i>Pyrrhospora quernea</i>		lichen	11/10/1969	31/03/1980	3
<i>Physcia tenella</i>		lichen	30/12/1969	-	1
<i>Lecanora expallens</i>		lichen	30/12/1969	25/02/1992	3
<i>Lecanora polytrapa</i>		lichen	25/02/1992	23/07/1992	2
<i>Lecanora symmicta</i>		lichen	25/02/1992	-	1
<i>Lecanora varia</i>		lichen	25/02/1992	-	1
<i>Lecidella elaeochroma</i>		lichen	30/12/1969	-	1
<i>Melanohalea laciniatula</i>		lichen	30/12/1969	-	1
<i>Lecidella stigmatea</i>		lichen	25/02/1992	-	1
<i>Lecanora crenulata</i>		lichen	25/02/1992	-	1
<i>Evermia prunastri</i>	Oak Moss	lichen	11/10/1969	31/03/1980	4
<i>Flavoparmelia caperata</i>		lichen	11/10/1969	31/03/1980	5
<i>Flavoparmelia soredians</i>		lichen	11/10/1969	-	1
<i>Hypogymnia physodes</i>	Dark Crottle	lichen	28/12/1969	31/03/1980	3
<i>Hypotrachyna revoluta</i>		lichen	30/12/1969	31/03/1980	3
<i>Melanelia disjuncta</i>		lichen	23/07/1992	-	1
<i>Melanelixia fuliginosa</i>		lichen	25/02/1992	23/07/1992	2
<i>Lecidella scabra</i>		lichen	25/02/1992	23/07/1992	2
<i>Pachyphiale carneola</i>		lichen	28/12/1969	31/03/1980	3
<i>Lophocolea heterophylla</i>	Variable-leaved Crestwort	liverwort	22/12/1982	-	1
<i>Metzgeria furcata</i>	Forked Veilwort	liverwort	31/03/1980	22/12/1982	2
<i>Pellia endiviifolia</i>	Endive Pellia	liverwort	31/03/1980	14/10/2010	3
<i>Frullania dilatata</i>	Dilated Scalewort	liverwort	22/12/1982	-	1
<i>Microlejeunea ulicina</i>	Fairy Beads	liverwort	31/03/1980	22/12/1982	2
<i>Riccia fluitans</i>	Floating Crystalwort	liverwort	31/12/2002	-	1
<i>Ricciocarpos natans</i>	Fringed Heartwort	liverwort	31/12/1992	14/10/2010	3
<i>Lophocolea bidentata</i>	Bifid Crestwort	liverwort	31/03/1980	-	1
<i>Grimmia pulvinata</i>	Grey-cushioned Grimmia	moss	31/03/1980	23/07/1992	3
<i>Schistidium apocarpum</i>		moss	31/03/1980	-	1
<i>Seligeria calycina</i>	English Rock-bristle	moss	22/12/1982	-	1
<i>Amblystegium serpens</i>	Creeping Feather-moss	moss	22/12/1982	-	1
<i>Cratoneuron filicinum</i>	Fern-leaved Hook-moss	moss	14/10/2010	-	2
<i>Anomodon viticulosus</i>	Rambling Tail-moss	moss	22/12/1982	-	1
<i>Eurhynchium praelongum</i>	Common Feather-moss	moss	03/03/1980	14/10/2010	7
<i>Grimmia ovalis</i>	Flat-rock Grimmia	moss	31/12/1995	-	1

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<i>Oxyrrhynchium hians</i>	Swartz's Feather-moss	moss	22/12/1982	-	1
<i>Dicranella heteromalla</i>	Silky Forklet-moss	moss	31/03/1980	22/12/1982	2
<i>Homalothecium sericeum</i>	Silky Wall Feather-moss	moss	11/10/1969	23/07/1992	7
<i>Dicranoweisia cirrata</i>	Common Pincushion	moss	31/03/1980	22/12/1982	4
<i>Fissidens taxifolius</i> var. <i>taxifolius</i>		moss	22/12/1982	-	1
<i>Sciuro-hypnum populeum</i>	Matted Feather-moss	moss	31/12/2010	-	1
<i>Ceratodon purpureus</i>	Redshank	moss	22/12/1982	-	1
<i>Scleropodium purum</i>	Neat Feather-moss	moss	19/02/2009	-	2
<i>Plagiomnium undulatum</i>	Hart's-tongue Thyme-moss	moss	22/12/1982	-	1
<i>Mnium hornum</i>	Swan's-neck Thyme-moss	moss	31/03/1980	-	1
<i>Pohlia melanodon</i>	Pink-fruited Thread-moss	moss	14/10/2010	-	2
<i>Rhizomnium punctatum</i>	Dotted Thyme-moss	moss	31/03/1980	-	1
<i>Bryum rubens</i>	Crimson-tuber Thread-moss	moss	19/02/2009	-	1
<i>Bryum capillare</i>	Capillary Thread-moss	moss	31/03/1980	22/12/1982	3
<i>Bryum argenteum</i>	Silver-moss	moss	22/12/1982	-	1
<i>Fissidens taxifolius</i>	Common Pocket-moss	moss	31/03/1980	-	1
<i>Didymodon vinealis</i>	Soft-tufted Beard-moss	moss	31/03/1980	22/12/1982	2
<i>Ulota crispa</i>	Crisped Pincushion	moss	22/12/1982	-	1
<i>Zygodon rupestris</i>	Park Yoke-moss	moss	31/03/1980	-	1
<i>Zygodon viridissimus</i>	Green Yoke-moss	moss	31/03/1980	-	1
<i>Barbula unguiculata</i>	Bird's-claw Beard-moss	moss	22/12/1982	19/02/2009	2
<i>Dialytrichia mucronata</i>	Pointed Lattice-moss	moss	23/07/1992	-	1
<i>Rhynchostegium confertum</i>	Clustered Feather-moss	moss	31/03/1980	-	1
<i>Didymodon sinuosus</i>	Wavy Beard-moss	moss	31/03/1980	-	1
<i>Orthotrichum anomalum</i>	Anomalous Bristle-moss	moss	31/03/1980	-	1
<i>Pseudocrossidium revolutum</i>	Revolute Beard-moss	moss	22/12/1982	-	1
<i>Syntrichia intermedia</i>	Intermediate Screw-moss	moss	22/12/1982	23/07/1992	3
<i>Tortula muralis</i>	Wall Screw-moss	moss	31/03/1980	22/12/1982	2
<i>Atrichum undulatum</i>	Common Smoothcap	moss	31/03/1980	22/12/1982	2
<i>Polytrichum formosum</i>	Bank Haircap	moss	31/03/1980	22/12/1982	2
<i>Sphagnum denticulatum</i>		moss	22/09/1981	-	1
<i>Didymodon fallax</i>	Fallacious Beard-moss	moss	19/02/2009	-	1
<i>Neckera complanata</i>	Flat Neckera	moss	03/03/1980	22/12/1982	2
<i>Calliergonella cuspidata</i>	Pointed Spear-moss	moss	22/09/1981	19/02/2009	6
<i>Hypnum cupressiforme</i>		moss	11/10/1969	31/03/1980	3
<i>Hypnum andoi</i>	Mamillate Plait-moss	moss	31/03/1980	22/12/1982	2
<i>Hypnum cupressiforme</i> var. <i>cupressiforme</i>		moss	22/12/1982	-	1
<i>Hypnum lacunosum</i>	Great Plait-moss	moss	19/02/2009	-	1
<i>Hypnum lacunosum</i> var. <i>lacunosum</i>	Great Plait-moss	moss	19/02/2009	-	1
<i>Orthotrichum pulchellum</i>	Elegant Bristle-moss	moss	22/12/1982	-	1
<i>Leptodon smithii</i>	Prince-of-Wales Feather-moss	moss	30/12/1969	-	1
<i>Orthotrichum lyellii</i>	Lyell's Bristle-moss	moss	11/10/1969	-	1
<i>Thamnobryum alopecurum</i>	Fox-tail Feather-moss	moss	22/12/1982	-	1
<i>Plagiothecium denticulatum</i> var. <i>denticulatum</i>		moss	22/12/1982	-	1

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<i>Plagiothecium nemorale</i>	Woodsy Silk-moss	moss	22/12/1982	-	1
<i>Thuidium tamariscinum</i>	Common Tamarisk-moss	moss	31/03/1980	-	1
<i>Orthotrichum affine</i>	Wood Bristle-moss	moss	22/12/1982	-	1
<i>Leptodictyum riparium</i>	Kneiff's Feather-moss	moss	22/12/1982	-	1
<i>Isothecium myosuroides</i>	Slender Mouse-tail Moss	moss	31/03/1980	22/12/1982	4
<i>Brachythecium rutabulum</i>	Rough-stalked Feather-moss	moss	03/03/1980	19/02/2009	5
<i>Equisetum arvense</i>	Field Horsetail	horsetail	22/09/1981	04/08/2008	5
<i>Equisetum palustre</i>	Marsh Horsetail	horsetail	04/07/1991	04/08/2008	4
<i>Polystichum aculeatum</i>	Hard Shield-fern	fern	17/09/2008	-	1
<i>Ophioglossum vulgatum</i>	Adder's-tongue	fern	04/07/1991	28/09/1994	2
<i>Ophioglossum vulgatum</i>	Adder's Tongue	fern	07/06/1988	04/07/1991	2
<i>Pilularia globulifera</i>	Pillwort	fern	30/09/1877	31/12/1901	3
<i>Polypodium interjectum</i>	Intermediate Polypody	fern	31/08/2006	-	1
<i>Polystichum setiferum</i>	Soft Shield-fern	fern	31/07/2006	26/04/2009	2
<i>Dryopteris filix-mas</i>	Male-fern	fern	27/05/2005	17/09/2008	5
<i>Dryopteris dilatata</i>	Broad Buckler-fern	fern	30/05/2005	17/09/2008	4
<i>Dryopteris carthusiana</i>	Narrow Buckler-fern	fern	26/04/2009	-	1
<i>Asplenium ruta-muraria</i>	Wall-rue	fern	22/04/2006	26/04/2009	2
<i>Polypodium vulgare</i>	Polypody	fern	31/08/2006	-	1
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	fern	30/05/2005	-	1
<i>Phyllitis scolopendrium</i>	Hart's-tongue	fern	30/05/2005	21/08/2011	5
<i>Athyrium filix-femina</i>	Lady-fern	fern	12/08/2006	-	1
<i>Blechnum spicant</i>	Hard-fern	fern	29/04/2011	-	1
<i>Pteridium aquilinum</i>	Bracken	fern	03/09/1976	19/02/2009	9
<i>Dryopteris filix-mas</i> agg.	Male Fern	fern	28/06/1989	-	1
<i>Dryopteris affinis</i>	Scaly Male-fern	fern	22/04/2006	-	1
<i>Picea abies</i>	Norway Spruce	conifer	31/12/1998	-	1
<i>Chamaecyparis lawsoniana</i>	Lawson's Cypress	conifer	30/07/2008	31/07/2008	2
<i>Larix decidua</i> x <i>kaempferi</i> = <i>L. x marschlinsii</i>	Hybrid Larch	conifer	31/12/1997	-	1
<i>Taxus baccata</i>	Yew	conifer	31/03/1980	21/08/2011	20
<i>Pseudotsuga menziesii</i>	Douglas Fir	conifer	31/12/1998	-	1
<i>Pinus sylvestris</i>	Scots Pine	conifer	12/08/2006	27/07/2011	5
<i>Hyacinthoides non-scripta</i>	Bluebell	flowering plant	03/09/1976	17/09/2008	8
<i>Narcissus</i>	daffodils	flowering plant	22/04/2006	-	1
<i>Allium ursinum</i>	Ramsons	flowering plant	27/05/2005	17/05/2010	3
<i>Leucojum aestivum</i> subsp. <i>aestivum</i>	Summer Snowflake	flowering plant	02/03/2003	-	1
<i>Allium vineale</i>	Wild Onion	flowering plant	22/04/2006	21/08/2011	3
<i>Hyacinthoides non-scripta</i> x <i>hispanica</i> = <i>H. x</i>	Hybrid bluebell	flowering plant	26/04/2009	-	2
<i>Gymnadenia conopsea</i>	Fragrant Orchid	flowering plant	27/08/1991	-	1
<i>Galanthus nivalis</i>	Snowdrop	flowering plant	25/02/2009	22/03/2009	3
<i>Muscari armeniacum</i>	Garden Grape-hyacinth	flowering plant	22/04/2006	15/04/2010	2
<i>Polygonatum multiflorum</i>	Solomon's-seal	flowering plant	17/09/2008	-	1
<i>Ruscus aculeatus</i>	Butcher's-broom	flowering plant	03/09/1976	17/09/2008	6
<i>Scilla bifolia</i>	Alpine Squill	flowering plant	07/03/2009	-	1

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<i>Crocasmia pottsii</i> x <i>aurea</i> = <i>C. x crocosmiiflor</i>	Montbretia	flowering plant	12/08/2006	21/08/2011	4
<i>Iris foetidissima</i>	Stinking Iris	flowering plant	30/05/2005	22/03/2009	2
<i>Iris pseudacorus</i>	Yellow Iris	flowering plant	04/07/1991	11/11/2009	7
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid	flowering plant	07/06/1988	03/07/2009	4
<i>Dactylorhiza incarnata</i>	Early Marsh-orchid	flowering plant	27/08/1991	-	1
<i>Allium triquetrum</i>	Three-cornered Garlic	flowering plant	31/12/1995	15/04/2010	4
<i>Epipactis palustris</i>	Marsh Helleborine	flowering plant	27/08/1991	-	1
<i>Oenanthe crocata</i>	Hemlock Water-dropwort	flowering plant	04/07/1991	29/04/2011	8
<i>Neottia ovata</i>	Common Twayblade	flowering plant	31/07/2006	26/04/2009	2
<i>Ribes rubrum</i>	Red Currant	flowering plant	28/06/1989	17/05/2010	5
<i>Dactylorhiza praetermissa</i>	Southern Marsh-orchid	flowering plant	28/06/1990	06/02/2003	4
<i>Foeniculum vulgare</i>	Fennel	flowering plant	30/05/2005	-	1
<i>Ribes uva-crispa</i>	Gooseberry	flowering plant	28/06/1989	27/05/2005	2
<i>Aegopodium podagraria</i>	Ground-elder	flowering plant	30/05/2005	03/07/2009	3
<i>Aethusa cynapium</i>	Fool's Parsley	flowering plant	30/05/2005	26/04/2009	4
<i>Angelica sylvestris</i>	Wild Angelica	flowering plant	20/07/1988	29/04/2011	9
<i>Anthriscus sylvestris</i>	Cow Parsley	flowering plant	28/06/1989	22/04/2006	4
<i>Apium nodiflorum</i>	Fool's-water-cress	flowering plant	04/07/1991	04/08/2008	6
<i>Berula erecta</i>	Lesser Water-parsnip	flowering plant	27/08/1991	14/06/2009	3
<i>Chaerophyllum temulum</i>	Rough Chervil	flowering plant	30/05/2005	10/07/2005	3
<i>Conium maculatum</i>	Hemlock	flowering plant	21/08/2011	-	1
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	flowering plant	23/09/1993	21/08/2011	3
<i>Daucus carota</i> subsp. <i>carota</i>	Wild Carrot	flowering plant	22/09/1981	21/08/2011	5
<i>Ilex aquifolium</i>	Holly	flowering plant	03/09/1976	19/07/2010	11
<i>Heracleum mantegazzianum</i>	Giant Hogweed	flowering plant	31/07/2008	-	1
<i>Heracleum sphondylium</i>	Hogweed	flowering plant	20/07/1988	03/07/2009	13
<i>Orchis morio</i>	Green-winged Orchid	flowering plant	07/06/1988	22/04/2006	6
<i>Pastinaca sativa</i>	Wild Parsnip	flowering plant	10/07/2005	-	1
<i>Orchis mascula</i>	Early-purple Orchid	flowering plant	31/12/2006	10/04/2009	3
<i>Sanicula europaea</i>	Sanicle	flowering plant	27/05/2005	30/06/2011	3
<i>Silaum silaus</i>	Pepper-saxifrage	flowering plant	22/09/1981	11/11/2009	12
<i>Sison amomum</i>	Stone Parsley	flowering plant	22/09/1981	26/04/2009	5
<i>Torilis japonica</i>	Upright Hedge-parsley	flowering plant	22/07/1993	04/08/2008	2
<i>Hedera helix</i>	Ivy	flowering plant	03/09/1976	17/09/2008	12
<i>Conopodium majus</i>	Pignut	flowering plant	28/06/1989	24/06/2009	3
<i>Petasites hybridus</i>	Butterbur	flowering plant	02/03/2005	-	1
<i>Senecio jacobaea</i>	Ragwort	flowering plant	28/06/1989	30/09/2011	19
<i>Senecio erucifolius</i>	Hoary Ragwort	flowering plant	22/09/1981	04/08/2008	8
<i>Senecio aquaticus</i>	Marsh Ragwort	flowering plant	07/06/1988	28/09/1994	6
<i>Pulicaria vulgaris</i>	Small Fleabane	flowering plant	22/09/1981	-	1
<i>Pulicaria dysenterica</i>	Common Fleabane	flowering plant	07/06/1988	30/09/2011	23
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	flowering plant	22/04/2006	02/05/2009	2
<i>Leontodon saxatilis</i>	Lesser Hawkbit	flowering plant	04/07/1991	22/09/2005	6
<i>Picris echioides</i>	Bristly Oxtongue	flowering plant	30/05/2005	18/08/2010	8

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Sonchus arvensis</i>	Perennial Sow-thistle	flowering plant	20/07/1988	04/08/2008	4
<i>Petasites fragrans</i>	Winter Heliotrope	flowering plant	26/04/2009	17/05/2010	2
<i>Petasites</i>		flowering plant	27/08/1991	-	1
<i>Onopordum acanthium</i>	Cotton Thistle	flowering plant	13/07/2009	-	1
<i>Mycelis muralis</i>	Wall Lettuce	flowering plant	30/05/2005	26/04/2009	3
<i>Matricaria recutita</i>	Scented Mayweed	flowering plant	30/05/2005	31/07/2006	4
<i>Matricaria discoidea</i>	Pineappleweed	flowering plant	22/09/1981	12/08/2006	6
<i>Ophrys apifera</i>	Bee Orchid	flowering plant	30/05/2005	14/06/2009	2
<i>Picris hieracioides</i>	Hawkweed Oxtongue	flowering plant	30/06/2009	-	1
<i>Taraxacum officinale</i> agg.	Dandelion	flowering plant	07/06/1988	19/07/2010	5
<i>Dioscorea communis</i>	Black Bryony	flowering plant	27/05/2005	17/09/2008	5
<i>Bryonia dioica</i>	White Bryony	flowering plant	10/07/2005	24/06/2009	4
<i>Deutzia scabra</i>	Deutzia	flowering plant	06/07/2005	-	1
<i>Cornus sanguinea</i>	Dogwood	flowering plant	28/06/1989	31/07/2008	8
<i>Euonymus europaeus</i>	Spindle	flowering plant	28/06/1989	12/08/2006	6
<i>Campanula trachelium</i>	Nettle-leaved Bellflower	flowering plant	28/06/1989	10/07/2005	3
<i>Tussilago farfara</i>	Colt's-foot	flowering plant	22/09/1981	30/06/2011	3
<i>Senecio squalidus</i>	Oxford Ragwort	flowering plant	18/08/2010	-	1
<i>Tragopogon pratensis</i>	Goat's-beard	flowering plant	06/07/2005	30/06/2009	2
<i>Senecio vulgaris</i>	Groundsel	flowering plant	30/05/2005	12/08/2006	5
<i>Taraxacum aggregate</i>		flowering plant	30/05/2005	31/07/2006	6
<i>Taraxacum</i>	Dandelion Agg.	flowering plant	19/02/2009	-	1
<i>Tanacetum vulgare</i>	Tansy	flowering plant	31/07/2006	-	1
<i>Tanacetum parthenium</i>	Feverfew	flowering plant	31/07/2006	-	1
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	flowering plant	30/05/2005	31/07/2008	7
<i>Sonchus asper</i>	Prickly Sow-thistle	flowering plant	30/05/2005	31/07/2006	4
<i>Leontodon hispidus</i>	Rough Hawkbit	flowering plant	07/06/1988	31/07/2006	3
<i>Tripleurospermum inodorum</i>	Scentless Mayweed	flowering plant	06/07/2005	19/10/2008	4
<i>Artemisia vulgaris</i>	Mugwort	flowering plant	30/05/2005	18/08/2010	3
<i>Cirsium arvense</i>	Creeping thistle	flowering plant	22/09/1981	03/07/2009	24
<i>Cirsium</i>	Thistle	flowering plant	19/02/2009	30/09/2011	2
<i>Chamaemelum nobile</i>	Chamomile	flowering plant	08/07/1993	10/06/2003	4
<i>Centaurea scabiosa</i>	Greater Knapweed	flowering plant	30/05/2005	06/07/2005	2
<i>Centaurea nigra</i>	Common Knapweed	flowering plant	22/09/1981	03/07/2009	21
<i>Carduus nutans</i>	Musk Thistle	flowering plant	30/05/2005	-	1
<i>Leucanthemum vulgare</i>	Oxeye Daisy	flowering plant	07/06/1988	31/07/2006	5
<i>Bellis perennis</i>	Daisy	flowering plant	07/06/1988	19/07/2010	11
<i>Cirsium vulgare</i>	Spear thistle	flowering plant	07/06/1988	11/11/2009	19
<i>Artemisia absinthium</i>	Wormwood	flowering plant	31/07/2006	-	1
<i>Arctium minus</i>	Lesser Burdock	flowering plant	28/06/1989	30/07/2008	7
<i>Arctium lappa</i>	Greater Burdock	flowering plant	04/08/2008	-	1
<i>Arctium</i>	Burdock	flowering plant	03/09/1976	-	1
<i>Achillea ptarmica</i>	Sneezewort	flowering plant	20/07/1988	10/06/2003	5
<i>Achillea millefolium</i>	Yarrow	flowering plant	20/07/1988	31/07/2008	13

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<i>Spiranthes spiralis</i>	Autumn Lady's-tresses	flowering plant	31/12/1993	10/06/2003	3
<i>Calendula officinalis</i>	Pot Marigold	flowering plant	31/12/1997	27/07/2008	2
<i>Filago vulgaris</i>	Common Cudweed	flowering plant	30/06/2011	-	1
<i>Leontodon autumnalis</i>	Autumn Hawkbit	flowering plant	22/09/1981	26/04/2009	5
<i>Lapsana communis</i>	Nipplewort	flowering plant	28/06/1989	31/07/2006	6
<i>Lactuca serriola</i>	Prickly Lettuce	flowering plant	31/07/2006	18/08/2010	3
<i>Hypochaeris radicata</i>	Cat's-ear	flowering plant	22/09/1981	04/08/2008	9
<i>Hieracium umbellatum</i>	Hawkweed	flowering plant	30/07/2008	-	1
<i>Hieracium trichocaulon</i>	Hawkweed	flowering plant	30/06/2011	-	2
<i>Hieracium pilosum</i>	Fimbriate-pitted Hawkweed	flowering plant	23/09/1993	-	1
<i>Cirsium dissectum</i>	Meadow Thistle	flowering plant	27/08/1991	-	1
<i>Gnaphalium uliginosum</i>	Marsh Cudweed	flowering plant	22/09/1981	24/06/2009	5
<i>Cirsium palustre</i>	Marsh Thistle	flowering plant	07/06/1988	11/11/2009	9
<i>Eupatorium cannabinum</i>	Hemp-agrimony	flowering plant	28/06/1989	21/08/2011	7
<i>Crepis vesicaria</i>	Beaked Hawk's-beard	flowering plant	30/05/2005	26/04/2009	2
<i>Crepis capillaris</i>	Smooth Hawk's-beard	flowering plant	30/05/2005	31/07/2008	7
<i>Conyza sumatrensis</i>	Guernsey Fleabane	flowering plant	19/10/2008	-	1
<i>Conyza floribunda</i>	Bilbao Fleabane	flowering plant	18/08/2010	-	1
<i>Conyza canadensis</i>	Canadian Fleabane	flowering plant	30/07/2008	-	1
<i>Urtica urens</i>	Small Nettle	flowering plant	30/05/2005	21/08/2011	2
<i>Helianthus annuus</i>	Sunflower	flowering plant	27/07/2008	-	1
<i>Avena sativa</i>	Oat	flowering plant	06/07/2005	12/08/2006	3
<i>Alopecurus bulbosus</i>	Bulbous Foxtail	flowering plant	04/07/1991	-	1
<i>Alopecurus geniculatus</i>	Marsh Foxtail	flowering plant	07/06/1988	30/05/2005	4
<i>Alopecurus myosuroides</i>	Black-grass	flowering plant	06/07/2005	31/07/2006	2
<i>Alopecurus pratensis</i>	Meadow Foxtail	flowering plant	07/06/1988	03/07/2009	7
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	flowering plant	07/06/1988	03/07/2009	10
<i>Arrhenatherum elatius</i>	False Oat-grass	flowering plant	20/07/1988	03/07/2009	12
<i>Bromus sterilis</i>	Barren Brome	flowering plant	30/05/2005	26/04/2009	5
<i>Avena fatua</i>	Wild-oat	flowering plant	06/07/2005	10/07/2005	2
<i>Agrostis capillaris</i>	Common Bent	flowering plant	22/09/1981	18/08/2010	13
<i>Brachypodium sylvaticum</i>	False-brome	flowering plant	28/06/1989	17/09/2008	5
<i>Bromopsis erecta</i>	Upright Brome	flowering plant	30/05/2005	-	1
<i>Bromopsis ramosa</i>	Hairy-brome	flowering plant	30/05/2005	31/07/2006	4
<i>Bromus commutatus</i>	Meadow Brome	flowering plant	07/06/1988	06/07/2005	2
<i>Bromus hordeaceus</i>	Lesser Soft-Brome	flowering plant	30/07/2008	31/07/2008	2
<i>Sedum rupestre</i>	Reflexed Stonecrop	flowering plant	21/08/2011	-	1
<i>Myriophyllum alterniflorum</i>	Alternate Water-milfoil	flowering plant	27/08/1991	-	2
<i>Juncus inflexus</i>	Hard Rush	flowering plant	22/09/1981	11/11/2009	16
<i>Carex sylvatica</i>	Wood-sedge	flowering plant	31/03/1980	17/09/2008	7
<i>Eleocharis palustris</i>	Common Spike-rush	flowering plant	07/06/1988	04/07/1991	5
<i>Juncus</i>	Rush	flowering plant	30/09/2011	-	1
<i>Juncus bufonius</i> agg.	Toad Rush agg.	flowering plant	07/06/1988	12/08/2006	3
<i>Juncus acutiflorus</i>	Sharp-flowered Rush	flowering plant	27/07/2011	-	1

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<i>Juncus articulatus</i>	Jointed Rush	flowering plant	22/09/1981	19/07/2010	7
<i>Agrostis stolonifera</i>	Creeping Bent	flowering plant	07/06/1988	03/07/2009	15
<i>Juncus effusus</i>	Soft-rush	flowering plant	22/09/1981	19/07/2010	16
<i>Agrostis gigantea</i>	Black Bent	flowering plant	06/07/2005	30/06/2011	3
<i>Luzula campestris</i>	Field Wood-rush	flowering plant	07/06/1988	02/05/2009	5
<i>Luzula forsteri</i>	Southern Wood-rush	flowering plant	30/05/2005	17/05/2010	3
<i>Luzula multiflora</i>	Heath Wood-rush	flowering plant	29/04/2011	-	1
<i>Luzula pilosa</i>	Hairy Wood-rush	flowering plant	29/04/2011	30/06/2011	2
<i>Agrostis canina</i>	Velvet Bent	flowering plant	22/09/1981	-	1
<i>Agrostis canina</i>	Velvet Bent	flowering plant	04/07/1991	30/06/2011	4
<i>Catapodium rigidum</i>	Fern-grass	flowering plant	30/05/2005	-	1
<i>Juncus conglomeratus</i>	Compact Rush	flowering plant	07/06/1988	22/07/1993	4
<i>Phleum pratense</i>	Timothy	flowering plant	28/06/1989	-	1
<i>Hordeum secalinum</i>	Meadow Barley	flowering plant	20/07/1988	-	1
<i>Lolium multiflorum</i>	Italian Rye-grass	flowering plant	04/08/2008	-	1
<i>Lolium perenne</i>	Perennial Rye-grass	flowering plant	07/06/1988	03/07/2009	11
<i>Melica uniflora</i>	Wood Melick	flowering plant	28/06/1989	17/09/2008	6
<i>Milium effusum</i>	Wood Millet	flowering plant	03/09/1976	28/06/1989	2
<i>Nardus stricta</i>	Mat-grass	flowering plant	22/09/1981	-	1
<i>Bromus hordeaceus</i> subsp. <i>hordeaceus</i>	Common Soft-brome	flowering plant	30/05/2005	24/06/2009	6
<i>Phalaris arundinacea</i>	Reed Canary-grass	flowering plant	03/09/1976	11/11/2009	12
<i>Glyceria notata</i>	Plicate Sweet-grass	flowering plant	23/07/1992	-	1
<i>Phleum bertolonii</i>	Smaller Cat's-tail	flowering plant	06/07/2005	12/08/2006	3
<i>Phleum pratense</i>	Timothy	flowering plant	07/06/1988	31/07/2008	7
<i>Phragmites australis</i>	Common Reed	flowering plant	04/08/2008	-	1
<i>Poa pratensis</i>	Smooth Meadow-Grass	flowering plant	04/07/1991	-	1
<i>Poa annua</i>	Annual Meadow-grass	flowering plant	30/05/2005	03/07/2009	7
<i>Poa nemoralis</i>	Wood Meadow-grass	flowering plant	26/04/2009	-	1
<i>Panicum miliaceum</i>	Common Millet	flowering plant	21/08/2011	-	1
<i>Festuca rubra</i> agg.	Red Fescue	flowering plant	04/07/1991	24/06/2009	7
<i>Cortaderia</i>		flowering plant	03/07/2009	-	1
<i>Cynosurus cristatus</i>	Crested Dog's-tail	flowering plant	07/06/1988	30/06/2011	8
<i>Dactylis glomerata</i>	Cock's-foot	flowering plant	22/09/1981	03/07/2009	14
<i>Danthonia decumbens</i>	Heath-grass	flowering plant	28/09/1994	30/06/2011	2
<i>Deschampsia cespitosa</i>	Tufted Hair-Grass	flowering plant	20/07/1988	11/11/2009	5
<i>Deschampsia cespitosa</i> subsp. <i>cespitosa</i>	Tufted Hair-grass	flowering plant	03/09/2007	-	1
<i>Hordeum murinum</i>	Wall Barley	flowering plant	22/09/2005	24/06/2009	4
<i>Festuca ovina</i> agg.	Sheep's Fescue agg.	flowering plant	30/05/2005	21/08/2011	2
<i>Holcus lanatus</i>	Yorkshire-fog	flowering plant	22/09/1981	11/11/2009	21
<i>Festuca arundinacea</i>	Tall Fescue	flowering plant	20/07/1988	26/04/2009	6
<i>Festuca gigantea</i>	Giant Fescue	flowering plant	30/05/2005	04/08/2008	5
<i>Festuca pratensis</i>	Meadow Fescue	flowering plant	07/06/1988	23/07/1992	4
<i>Festuca rubra</i>	Red Fescue	flowering plant	07/06/1988	19/02/2009	8
<i>Glyceria fluitans</i>	Floating Sweet-grass	flowering plant	04/07/1991	29/04/2011	3

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<i>Glyceria maxima</i>	Reed Sweet-grass	flowering plant	30/05/2005	-	1
<i>Carex remota</i>	Remote Sedge	flowering plant	31/07/2006	04/08/2008	2
<i>Elytrigia repens</i>	Common Couch	flowering plant	20/07/1988	31/07/2008	7
<i>Rosa canina</i> agg.	Dog Rose	flowering plant	06/07/2005	10/07/2005	2
<i>Rubus flexuosus</i>	Bramble	flowering plant	27/07/2011	-	1
<i>Rubus dentatifolius</i>	Bramble	flowering plant	27/07/2011	-	1
<i>Rubus asperidens</i>	Bramble	flowering plant	27/07/2011	-	1
<i>Rubus armeniacus</i>	Bramble	flowering plant	15/04/2010	27/07/2011	2
<i>Rubus caesius</i>	Dewberry	flowering plant	04/08/2008	27/07/2011	2
<i>Rubus fruticosus</i> agg.	Bramble	flowering plant	03/09/1976	19/07/2010	15
<i>Carex spicata</i>	Spiked Sedge	flowering plant	28/09/1994	24/06/2009	3
<i>Rosa arvensis</i>	Field-rose	flowering plant	28/06/1989	17/09/2008	6
<i>Rubus pruinosis</i>	Bramble	flowering plant	27/07/2011	-	1
<i>Rosa</i>	Rose	flowering plant	03/09/1976	17/09/2008	3
<i>Prunus spinosa</i>	Blackthorn	flowering plant	28/06/1989	31/07/2006	5
<i>Prunus laurocerasus</i>	Cherry Laurel	flowering plant	22/04/2006	03/07/2009	4
<i>Prunus cerasifera</i>	Cherry Plum	flowering plant	30/05/2005	27/07/2011	2
<i>Prunus</i>	Planted Cherry	flowering plant	03/07/2009	-	1
<i>Carex otrubae</i>	False Fox-sedge	flowering plant	07/06/1988	19/07/2010	8
<i>Rosa canina</i>	Dog-rose	flowering plant	31/07/2006	18/08/2010	5
<i>Ulmus</i>	Elm	flowering plant	30/05/2005	03/07/2009	3
<i>Sedum spectabile</i>	Butterfly Stonecrop	flowering plant	13/07/2009	-	1
<i>Sedum album</i>	White Stonecrop	flowering plant	21/08/2011	-	1
<i>Poa pratensis</i>	Smooth Meadow-grass	flowering plant	04/07/1991	02/05/2009	7
<i>Urtica dioica</i>	Common Nettle	flowering plant	03/09/1976	30/09/2011	22
<i>Soleirolia soleirolii</i>	Mind-your-own-business	flowering plant	30/05/2005	-	1
<i>Parietaria judaica</i>	Pellitory-of-the-wall	flowering plant	30/05/2005	-	1
<i>Rubus glareosus</i>	Bramble	flowering plant	27/07/2011	-	1
<i>Ulmus glabra</i>	Wych Elm	flowering plant	31/07/2006	26/04/2009	3
<i>Rubus phaeocarpus</i>	Bramble	flowering plant	27/07/2011	-	1
<i>Spiraea salicifolia</i> x <i>douglasii</i> = <i>S. x pseudosa</i>	Confused Bridewort	flowering plant	30/06/2011	-	1
<i>Sorbus aucuparia</i>	Rowan	flowering plant	22/04/2006	-	1
<i>Sorbus aria</i>	Common Whitebeam	flowering plant	03/09/1976	26/04/2009	4
<i>Sanguisorba minor</i> subsp. <i>minor</i>	Salad Burnet	flowering plant	30/05/2005	-	1
<i>Rubus ulmifolius</i>	Bramble	flowering plant	18/08/2010	21/08/2011	3
<i>Rubus subinermoides</i>	Bramble	flowering plant	27/07/2011	-	1
<i>Potentilla sterilis</i>	Barren Strawberry	flowering plant	28/06/1989	24/06/2009	6
<i>Ulmus procera</i>	English Elm	flowering plant	03/09/1976	12/08/2006	4
<i>Poa trivialis</i>	Rough Meadow-grass	flowering plant	07/06/1988	31/07/2008	12
<i>Adoxa moschatellina</i>	Moschatel	flowering plant	26/04/2009	-	1
<i>Typha latifolia</i>	Bulrush	flowering plant	23/07/1992	29/04/2011	6
<i>Typha angustifolia</i>	Lesser Bulrush	flowering plant	27/08/1991	11/11/2009	5
<i>Sparganium erectum</i> subsp. <i>neglectum</i>	Branched Bur-Reed	flowering plant	31/08/2010	-	1
<i>Sparganium erectum</i>	Branched Bur-reed	flowering plant	04/07/1991	29/04/2011	6

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<i>Vulpia bromoides</i>	Squirreltail Fescue	flowering plant	30/05/2005	30/06/2009	2
<i>Humulus lupulus</i>	Hop	flowering plant	28/06/1989	26/04/2009	5
<i>Puccinellia fasciculata</i>	Borrer's Saltmarsh-grass	flowering plant	31/12/2002	-	1
<i>Rhamnus cathartica</i>	Buckthorn	flowering plant	03/09/1976	-	1
<i>Carex otrubae</i> x <i>remota</i> = <i>C. x pseudoaxillaris</i>	Sedge	flowering plant	31/12/1985	31/12/2001	2
<i>Carex ovalis</i>	Oval Sedge	flowering plant	07/06/1988	04/07/1991	2
<i>Carex panicea</i>	Carnation Sedge	flowering plant	23/09/1993	31/07/2008	6
<i>Carex pendula</i>	Pendulous Sedge	flowering plant	03/09/1976	19/07/2010	8
<i>Carex pilulifera</i>	Pill Sedge	flowering plant	29/04/2011	-	1
<i>Carex pulicaris</i>	Flea Sedge	flowering plant	27/08/1991	-	1
<i>Umbilicus rupestris</i>	Navelwort	flowering plant	14/06/2009	-	1
<i>Triticum aestivum</i>	Bread Wheat	flowering plant	31/07/2006	24/06/2009	2
<i>Filipendula ulmaria</i>	Meadowsweet	flowering plant	20/07/1988	29/04/2011	13
<i>Carex riparia</i>	Greater Pond-sedge	flowering plant	22/07/1993	21/08/2011	6
<i>Potentilla erecta</i>	Tormentil	flowering plant	22/09/1981	12/08/2006	3
<i>Potentilla anserina</i>	Silverweed	flowering plant	07/06/1988	19/07/2010	13
<i>Malus sylvestris</i>	Crab Apple	flowering plant	03/09/1976	19/10/2008	4
<i>Malus pumila</i>	Apple	flowering plant	04/08/2008	-	1
<i>Malus</i>	Apple	flowering plant	30/07/2008	19/07/2010	3
<i>Typha latifolia</i> x <i>angustifolia</i> = <i>T. x glauca</i>	Hybrid Reedmace	flowering plant	07/08/2001	-	1
<i>Fragaria vesca</i>	Wild Strawberry	flowering plant	30/05/2005	21/08/2011	4
<i>Potentilla reptans</i>	Creeping Cinquefoil	flowering plant	22/09/1981	11/11/2009	20
<i>Crataegus monogyna</i>	Hawthorn	flowering plant	20/07/1988	30/09/2011	17
<i>Cotoneaster horizontalis</i>	Wall Cotoneaster	flowering plant	30/06/2011	-	1
<i>Cotoneaster bullatus</i>	Hollyberry cotoneaster	flowering plant	01/07/2009	-	2
<i>Aphanes arvensis</i>	Parsley-piert	flowering plant	04/08/2008	24/06/2009	2
<i>Aphanes arvensis</i> agg.	Parsley Piert	flowering plant	30/05/2005	04/08/2008	2
<i>Agrimonia procera</i>	Fragrant Agrimony	flowering plant	13/07/2009	-	1
<i>Agrimonia eupatoria</i>	Agrimony	flowering plant	07/06/1988	21/08/2011	11
<i>Geum urbanum</i>	Wood Avens	flowering plant	28/06/1989	17/05/2010	6
<i>Illecebrum verticillatum</i>	Coral-necklace	flowering plant	22/09/1981	-	2
<i>Stellaria alsine</i>	Bog Stitchwort	flowering plant	29/04/2011	-	1
<i>Spargularia rubra</i>	Sand Spurrey	flowering plant	30/07/2008	31/07/2008	2
<i>Spargularia marina</i>	Lesser Sea-spurrey	flowering plant	04/08/2008	-	1
<i>Silene vulgaris</i> subsp. <i>vulgaris</i>	Bladder Champion	flowering plant	30/05/2005	10/07/2005	2
<i>Silene latifolia</i> x <i>dioica</i> = <i>S. x hampeana</i>	Hybrid Champion	flowering plant	30/05/2005	24/06/2009	2
<i>Silene latifolia</i>	White Champion	flowering plant	27/05/2005	18/08/2010	6
<i>Silene flos-cuculi</i>	Ragged-Robin	flowering plant	04/07/1991	06/02/2003	5
<i>Silene dioica</i>	Red Champion	flowering plant	03/09/1976	17/05/2010	6
<i>Rhododendron ponticum</i>	Rhododendron	flowering plant	22/04/2006	-	1
<i>Moehringia trinervia</i>	Three-nerved Sandwort	flowering plant	28/06/1989	17/05/2010	6
<i>Stellaria palustris</i>	Marsh Stitchwort	flowering plant	06/02/2003	-	1
<i>Cerastium tomentosum</i>	Snow-in-summer	flowering plant	09/02/2007	-	1
<i>Cerastium glomeratum</i>	Sticky Mouse-ear	flowering plant	30/05/2005	02/05/2009	4

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Cerastium fontanum</i>	Common Mouse-ear	flowering plant	07/06/1988	24/06/2009	11
<i>Arenaria serpyllifolia</i> subsp. <i>leptoclados</i>	Slender Sandwort	flowering plant	07/06/2006	-	1
<i>Chenopodium polyspermum</i>	Many-seeded Goosefoot	flowering plant	28/09/1994	04/08/2008	3
<i>Chenopodium album</i>	Fat-hen	flowering plant	28/06/1989	12/08/2006	6
<i>Chenopodium</i>	Goosefoot	flowering plant	03/09/2007	-	1
<i>Atriplex prostrata</i>	Spear-leaved Orache	flowering plant	30/05/2005	04/08/2008	3
<i>Sagina procumbens</i>	Procumbent Pearlwort	flowering plant	22/09/1981	26/04/2009	6
<i>Rumex</i>	Dock	flowering plant	30/09/2011	-	1
<i>Myosotis secunda</i>	Creeping Forget-me-not	flowering plant	06/07/2005	-	1
<i>Impatiens glandulifera</i>	Indian Balsam	flowering plant	30/05/2005	31/07/2008	2
<i>Ceratophyllum demersum</i>	Rigid Hornwort	flowering plant	22/07/1993	27/07/2011	2
<i>Rumex sanguineus</i>	Wood Dock	flowering plant	07/06/1988	31/07/2008	8
<i>Rumex obtusifolius</i>	Broad-leaved Dock	flowering plant	28/06/1990	19/07/2010	11
<i>Rumex crispus</i> x <i>obtusifolius</i> = <i>R. x pratensis</i>	Dock	flowering plant	12/08/2006	-	1
<i>Rumex crispus</i>	Curled Dock	flowering plant	07/06/1988	29/04/2011	11
<i>Rumex conglomeratus</i>	Clustered Dock	flowering plant	07/06/1988	11/11/2009	9
<i>Stellaria graminea</i>	Lesser Stitchwort	flowering plant	07/06/1988	03/07/2009	11
<i>Rumex acetosa</i>	Common Sorrel	flowering plant	07/06/1988	11/11/2009	11
<i>Stellaria media</i>	Common Chickweed	flowering plant	30/05/2005	31/07/2008	6
<i>Polygonum aviculare</i>	Knotgrass	flowering plant	31/07/2006	31/07/2008	4
<i>Polygonum arenastrum</i>	Equal-leaved Knotgrass	flowering plant	12/08/2006	04/08/2008	2
<i>Polygonum aviculare</i> agg.	Knotgrass agg.	flowering plant	06/07/2005	22/09/2005	3
<i>Persicaria maculosa</i>	Redshank	flowering plant	22/09/1981	11/11/2009	9
<i>Persicaria lapathifolia</i>	Pale Persicaria	flowering plant	04/08/2008	-	1
<i>Persicaria hydropiper</i>	Water-pepper	flowering plant	03/09/1976	11/11/2009	6
<i>Persicaria amphibia</i>	Amphibious Bistort	flowering plant	04/07/1991	04/08/2008	4
<i>Fallopia convolvulus</i>	Black-bindweed	flowering plant	04/08/2008	-	1
<i>Reseda luteola</i>	Weld	flowering plant	30/05/2005	30/07/2008	2
<i>Rumex acetosella</i>	Sheep's Sorrel	flowering plant	30/05/2005	-	1
<i>Lemna trisulca</i>	Ivy-leaved Duckweed	flowering plant	27/08/1991	14/10/2010	5
<i>Atriplex patula</i>	Common Orache	flowering plant	04/08/2008	29/04/2011	3
<i>Barbarea intermedia</i>	Medium-flowered Winter-cress	flowering plant	17/05/2010	-	1
<i>Armoracia rusticana</i>	Horse-radish	flowering plant	30/05/2005	31/07/2006	2
<i>Arabidopsis thaliana</i>	Thale Cress	flowering plant	26/04/2009	02/05/2009	2
<i>Alliaria petiolata</i>	Garlic Mustard	flowering plant	30/05/2005	03/07/2009	6
<i>Potamogeton pusillus</i>	Lesser Pondweed	flowering plant	27/08/1991	-	1
<i>Potamogeton natans</i>	Broad-leaved Pondweed	flowering plant	29/04/2011	-	1
<i>Potamogeton berchtoldii</i>	Small Pondweed	flowering plant	27/08/1991	-	1
<i>Barbarea vulgaris</i>	Winter-cress	flowering plant	30/05/2005	29/04/2011	4
<i>Triglochin palustre</i>	Marsh Arrowgrass	flowering plant	27/08/1991	-	1
<i>Brassica napus</i>	Rape	flowering plant	18/08/2010	-	1
<i>Lemna minuta</i>	Least Duckweed	flowering plant	29/04/2011	-	1
<i>Lemna minor</i>	Common Duckweed	flowering plant	04/08/2008	-	1
<i>Lemna</i>		flowering plant	30/09/2011	-	1

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<i>Arum maculatum</i>	Lords-and-Ladies	flowering plant	27/05/2005	31/07/2008	7
<i>Alisma plantago-aquatica</i>	Water-plantain	flowering plant	04/07/1991	29/04/2011	5
<i>Symphytum orientale</i>	White Comfrey	flowering plant	04/08/2008	13/07/2009	2
<i>Symphytum officinale</i> x <i>asperum</i> = <i>S. x uplan</i>	Russian Comfrey	flowering plant	30/05/2005	30/06/2011	2
<i>Pentaglottis sempervirens</i>	Green Alkanet	flowering plant	30/05/2005	29/04/2011	3
<i>Myosotis sylvatica</i>	Wood Forget-me-not	flowering plant	19/07/2010	-	1
<i>Groenlandia densa</i>	Opposite-leaved Pondweed	flowering plant	27/08/1991	-	1
<i>Lepidium didymum</i>	Lesser Swine-cress	flowering plant	30/05/2005	06/07/2005	2
<i>Anagallis arvensis</i>	Scarlet Pimpernel	flowering plant	30/05/2005	31/07/2008	7
<i>Reseda lutea</i>	Wild Mignonette	flowering plant	30/05/2005	31/07/2008	2
<i>Sisymbrium officinale</i>	Hedge Mustard	flowering plant	30/05/2005	12/08/2006	5
<i>Sinapis arvensis</i>	Charlock	flowering plant	30/05/2005	26/04/2009	6
<i>Rorippa nasturtium-aquaticum</i>	Water-cress	flowering plant	04/08/2008	-	1
<i>Rorippa amphibia</i>	Great Yellow-cress	flowering plant	30/06/2011	-	1
<i>Rorippa nasturtium-aquaticum</i> agg.	Water Cress	flowering plant	06/02/2003	16/11/2008	4
<i>Raphanus raphanistrum</i> subsp. <i>raphanistrum</i>	Wild Radish	flowering plant	31/07/2006	-	1
<i>Barbarea verna</i>	American Winter-cress	flowering plant	31/12/1997	-	1
<i>Lepidium draba</i>	Hoary Cress	flowering plant	30/05/2005	26/04/2009	2
<i>Tropaeolum majus</i>	Nasturtium	flowering plant	04/08/2008	-	1
<i>Lepidium coronopus</i>	Swine-cress	flowering plant	30/05/2005	31/07/2006	2
<i>Lepidium campestre</i>	Field Pepperwort	flowering plant	17/08/2005	-	1
<i>Erophila verna</i>	Common Whitlowgrass	flowering plant	15/04/2010	-	1
<i>Erophila verna</i>	Common Whitlowgrass	flowering plant	15/04/2010	-	1
<i>Cochlearia danica</i>	Danish Scurvygrass	flowering plant	16/05/2007	-	1
<i>Cardamine pratensis</i>	Cuckooflower	flowering plant	07/06/1988	29/04/2011	8
<i>Cardamine hirsuta</i>	Hairy Bitter-cress	flowering plant	30/05/2005	22/04/2006	2
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	flowering plant	22/04/2006	24/06/2009	3
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	flowering plant	30/05/2005	31/07/2008	7
<i>Lunaria annua</i>	Honesty	flowering plant	30/05/2005	17/05/2010	3
<i>Veronica anagallis-aquatica</i>	Blue Water-Speedwell	flowering plant	04/07/1991	30/05/2005	4
<i>Veronica persica</i>	Common Field-speedwell	flowering plant	30/05/2005	26/04/2009	5
<i>Veronica officinalis</i>	Heath Speedwell	flowering plant	22/09/1981	26/04/2009	2
<i>Veronica montana</i>	Wood Speedwell	flowering plant	22/04/2006	24/06/2009	2
<i>Veronica hederifolia</i> subsp. <i>lucorum</i>	Ivy-Leaved Speedwell	flowering plant	22/04/2006	17/05/2010	2
<i>Veronica hederifolia</i> subsp. <i>hederifolia</i>	Ivy-Leaved Speedwell	flowering plant	22/04/2006	29/04/2011	3
<i>Veronica hederifolia</i>	Ivy-leaved Speedwell	flowering plant	30/05/2005	17/05/2010	4
<i>Veronica chamaedrys</i>	Germander Speedwell	flowering plant	28/06/1989	16/11/2008	5
<i>Veronica beccabunga</i>	Brooklime	flowering plant	22/09/1981	24/06/2009	4
<i>Calluna vulgaris</i>	Heather	flowering plant	22/09/1981	-	1
<i>Veronica anagallis-aquatica</i> x <i>catenata</i> = <i>V. x</i>	Water Speedwell	flowering plant	16/06/2009	-	1
<i>Buddleja davidii</i>	Butterfly-bush	flowering plant	30/05/2005	19/02/2009	7
<i>Veronica</i>	Speedwell	flowering plant	19/02/2009	-	1
<i>Plantago media</i>	Hoary Plantain	flowering plant	23/09/1993	02/05/2009	4
<i>Plantago major</i>	Greater Plantain	flowering plant	07/06/1988	31/07/2008	9

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<i>Plantago lanceolata</i>	Ribwort Plantain	flowering plant	07/06/1988	31/07/2008	9
<i>Linaria vulgaris</i>	Common Toadflax	flowering plant	30/05/2005	18/08/2010	2
<i>Linaria purpurea</i>	Purple Toadflax	flowering plant	31/07/2006	26/04/2009	2
<i>Kickxia spuria</i>	Round-leaved Fluellen	flowering plant	04/08/2008	24/06/2009	2
<i>Kickxia elatine</i>	Sharp-leaved Fluellen	flowering plant	06/07/2005	31/07/2006	2
<i>Veronica arvensis</i>	Wall Speedwell	flowering plant	30/05/2005	02/05/2009	5
<i>Carex caryophylllea</i>	Spring-sedge	flowering plant	30/04/1994	22/04/2006	3
<i>Sambucus nigra</i>	Elder	flowering plant	03/09/1976	03/07/2009	9
<i>Prunus avium</i>	Wild Cherry	flowering plant	03/09/1976	06/07/2005	4
<i>Carex nigra</i>	Common Sedge	flowering plant	27/08/1991	22/07/1993	2
<i>Carex hirta</i>	Hairy Sedge	flowering plant	07/06/1988	11/11/2009	14
<i>Carex flava</i>	Large Yellow-sedge	flowering plant	27/08/1991	-	1
<i>Carex flacca</i>	Glaucous Sedge	flowering plant	07/06/1988	26/04/2009	6
<i>Carex echinata</i>	Star Sedge	flowering plant	27/08/1991	-	1
<i>Carex divulsa subsp. divulsa</i>	Grey Sedge	flowering plant	30/05/2005	24/06/2009	4
<i>Veronica polita</i>	Grey Field-speedwell	flowering plant	22/04/2006	-	1
<i>Carex distans</i>	Distant Sedge	flowering plant	27/08/1991	-	1
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	flowering plant	22/09/1981	17/05/2010	5
<i>Carex acutiformis</i>	Lesser Pond-sedge	flowering plant	04/07/1991	29/04/2011	9
<i>Carex acuta</i>	Slender Tufted-sedge	flowering plant	11/11/2009	-	2
<i>Carex</i>	Sedge	flowering plant	30/09/2011	-	1
<i>Verbena officinalis</i>	Vervain	flowering plant	30/05/2005	06/07/2005	2
<i>Verbascum thapsus</i>	Great Mullein	flowering plant	30/05/2005	26/04/2009	2
<i>Verbascum nigrum</i>	Dark Mullein	flowering plant	26/04/2009	13/07/2009	2
<i>Scrophularia nodosa</i>	Common Figwort	flowering plant	28/06/1989	31/07/2006	5
<i>Scrophularia auriculata</i>	Water Figwort	flowering plant	04/07/1991	29/04/2011	4
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	flowering plant	30/05/2005	16/11/2008	2
<i>Carex disticha</i>	Brown Sedge	flowering plant	09/09/2001	-	1
<i>Glechoma hederacea</i>	Ground-ivy	flowering plant	03/09/1976	19/02/2009	5
<i>Hippuris vulgaris</i>	Mare's-tail	flowering plant	27/08/1991	23/07/1992	3
<i>Mentha aquatica</i>	Water Mint	flowering plant	03/09/1976	30/09/2011	15
<i>Mentha</i>	Mint	flowering plant	07/06/1988	-	1
<i>Melissa officinalis</i>	Balm	flowering plant	26/04/2009	21/08/2011	3
<i>Lycopus europaeus</i>	Gypsywort	flowering plant	04/07/1991	11/11/2009	5
<i>Lamium purpureum</i>	Red Dead-nettle	flowering plant	30/05/2005	22/04/2006	4
<i>Lamium galeobdolon subsp. montanum</i>	Yellow Archangel	flowering plant	27/05/2005	22/04/2006	4
<i>Lamium galeobdolon subsp. argentatum</i>	Yellow Archangel	flowering plant	12/08/2006	13/07/2009	6
<i>Mentha suaveolens</i>	Round-leaved Mint	flowering plant	31/12/1957	-	1
<i>Lamium album</i>	White Dead-nettle	flowering plant	30/05/2005	31/07/2006	6
<i>Origanum vulgare</i>	Wild Marjoram	flowering plant	30/05/2005	29/04/2011	2
<i>Ballota nigra</i>	Black Horehound	flowering plant	04/08/2008	-	1
<i>Ajuga reptans</i>	Bugle	flowering plant	31/03/1980	28/06/1989	2
<i>Acanthus mollis</i>	Bear's-breech	flowering plant	21/08/2011	-	1
<i>Primula vulgaris</i>	Primrose	flowering plant	03/09/1976	21/08/2011	5

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<i>Primula veris</i>	Cowslip	flowering plant	30/05/2005	10/07/2005	2
<i>Lysimachia nummularia</i>	Creeping-Jenny	flowering plant	23/07/1992	22/04/2006	2
<i>Lysimachia nemorum</i>	Yellow Pimpernel	flowering plant	28/06/1989	11/11/2009	5
<i>Hottonia palustris</i>	Water-violet	flowering plant	31/12/1988	-	1
<i>Cyclamen hederifolium</i>	Sowbread	flowering plant	17/08/2005	-	1
<i>Lamium galeobdolon</i>	Yellow Archangel	flowering plant	28/06/1989	17/09/2008	3
<i>Ligustrum vulgare</i>	Wild Privet	flowering plant	31/03/1980	03/07/2009	6
<i>Stellaria holostea</i>	Greater Stitchwort	flowering plant	28/06/1989	22/04/2006	5
<i>Callitriche obtusangula</i>	Blunt-fruited Water-starwort	flowering plant	14/06/2009	-	1
<i>Mimulus luteus</i>	Blood-drop-emlets	flowering plant	27/08/1991	-	1
<i>Mimulus guttatus</i>	Monkeyflower	flowering plant	23/07/1992	-	1
<i>Pedicularis sylvatica</i>	Lousewort	flowering plant	31/12/1993	28/09/1994	3
<i>Orobancha minor</i>	Common Broomrape	flowering plant	30/05/2005	-	1
<i>Odontites vernus</i>	Red Bartsia	flowering plant	23/09/1993	21/08/2011	5
<i>Euphrasia nemorosa</i>	Eyebright	flowering plant	23/09/1993	13/07/2009	2
<i>Mentha arvensis</i>	Corn Mint	flowering plant	22/09/1981	24/06/2009	2
<i>Syringa vulgaris</i>	Lilac	flowering plant	30/07/2008	31/07/2008	2
<i>Digitalis purpurea</i>	Foxglove	flowering plant	03/09/1976	12/08/2006	8
<i>Ligustrum ovalifolium</i>	Garden Privet	flowering plant	30/07/2008	15/04/2010	3
<i>Fraxinus excelsior</i>	Ash	flowering plant	03/09/1976	19/07/2010	13
<i>Teucrium scorodonia</i>	Wood Sage	flowering plant	22/09/1981	19/02/2009	4
<i>Stachys sylvatica</i>	Hedge Woundwort	flowering plant	20/07/1988	11/11/2009	10
<i>Stachys palustris</i>	Marsh Woundwort	flowering plant	22/07/1993	06/07/2005	3
<i>Stachys officinalis</i>	Betony	flowering plant	20/07/1988	11/11/2009	6
<i>Stachys arvensis</i>	Field Woundwort	flowering plant	30/05/2005	-	1
<i>Scutellaria minor</i>	Lesser Skullcap	flowering plant	22/09/1981	-	1
<i>Prunella vulgaris</i>	Selfheal	flowering plant	22/09/1981	19/07/2010	20
<i>Euphrasia officinalis</i> agg.	Eyebright	flowering plant	28/09/1994	-	1
<i>Centaurium erythraea</i> var. <i>erythraea</i>		flowering plant	30/05/2005	31/07/2006	2
<i>Fagus sylvatica</i>	Beech	flowering plant	30/05/2005	21/08/2011	5
<i>Galium uliginosum</i>	Fen Bedstraw	flowering plant	04/07/1991	09/09/2001	6
<i>Galium saxatile</i>	Heath Bedstraw	flowering plant	22/09/1981	-	1
<i>Galium palustre</i> subsp. <i>palustre</i>	Common Marsh-bedstraw	flowering plant	31/07/2006	30/06/2011	2
<i>Galium palustre</i> subsp. <i>elongatum</i>	Great Marsh-bedstraw	flowering plant	06/02/2003	-	1
<i>Galium palustre</i>	Marsh-bedstraw	flowering plant	22/09/1981	28/09/1994	6
<i>Galium odoratum</i>	Woodruff	flowering plant	30/05/2005	-	1
<i>Galium mollugo</i>	Hedge Bedstraw	flowering plant	28/06/1989	12/08/2006	7
<i>Sherardia arvensis</i>	Field Madder	flowering plant	06/07/2005	12/08/2006	2
<i>Cruciata laevipes</i>	Crosswort	flowering plant	28/06/1989	17/05/2010	7
<i>Geranium columbinum</i>	Long-stalked Crane's-bill	flowering plant	13/07/2009	-	1
<i>Centaurium erythraea</i>	Common Centaury	flowering plant	22/09/1981	19/02/2009	5
<i>Blackstonia perfoliata</i>	Yellow-wort	flowering plant	13/07/2009	-	1
<i>Vinca minor</i>	Lesser Periwinkle	flowering plant	22/04/2006	17/05/2010	5
<i>Vinca major</i>	Greater Periwinkle	flowering plant	22/04/2006	26/04/2009	3

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<i>Juglans regia</i>	Walnut	flowering plant	06/07/2005	21/08/2011	2
<i>Quercus robur</i>	Pedunculate Oak	flowering plant	03/09/1976	30/09/2011	18
<i>Quercus ilex</i>	Evergreen Oak	flowering plant	30/05/2005	10/07/2005	3
<i>Quercus cerris</i>	Turkey Oak	flowering plant	28/06/1989	30/06/2011	7
<i>Linum usitatissimum</i>	Flax	flowering plant	06/07/2005	-	1
<i>Galium aparine</i>	Cleavers	flowering plant	04/07/1991	30/07/2008	8
<i>Euphorbia lathyris</i>	Caper Spurge	flowering plant	17/08/2005	-	1
<i>Linum catharticum</i>	Fairy Flax	flowering plant	30/05/2005	13/07/2009	2
<i>Hypericum tetrapterum</i>	Square-stalked St John's-wort	flowering plant	04/07/1991	26/04/2009	6
<i>Hypericum pulchrum</i>	Slender St John's-wort	flowering plant	28/06/1989	12/08/2006	2
<i>Hypericum perforatum</i>	Perforate St John's-wort	flowering plant	22/09/1981	30/06/2011	8
<i>Hypericum humifusum</i>	Trailing St John's-wort	flowering plant	22/09/1981	-	1
<i>Hypericum hirsutum</i>	Hairy St John's-wort	flowering plant	30/05/2005	10/07/2005	3
<i>Hypericum androsaemum</i>	Tutsan	flowering plant	10/07/2005	12/08/2006	2
<i>Mercurialis perennis</i>	Dog's Mercury	flowering plant	03/09/1976	17/09/2008	8
<i>Galium verum</i>	Lady's Bedstraw	flowering plant	30/05/2005	21/08/2011	3
<i>Euphorbia peplus</i>	Petty Spurge	flowering plant	31/07/2006	-	1
<i>Castanea sativa</i>	Sweet Chestnut	flowering plant	03/09/1976	04/08/2008	5
<i>Euphorbia helioscopia</i>	Sun Spurge	flowering plant	30/05/2005	24/06/2009	4
<i>Euphorbia amygdaloides</i>	Wood Spurge	flowering plant	31/03/1980	16/11/2008	5
<i>Laurus nobilis</i>	Bay	flowering plant	21/08/2011	-	1
<i>Geranium robertianum</i>	Herb-Robert	flowering plant	30/05/2005	19/07/2010	6
<i>Geranium pyrenaicum</i>	Hedgerow Crane's-bill	flowering plant	21/08/2011	-	1
<i>Geranium pusillum</i>	Small-flowered Crane's-bill	flowering plant	14/06/2009	-	1
<i>Geranium molle</i>	Dove's-foot Crane's-bill	flowering plant	30/05/2005	17/05/2010	5
<i>Geranium lucidum</i>	Shining Crane's-bill	flowering plant	31/12/1997	-	1
<i>Geranium dissectum</i>	Cut-leaved Crane's-bill	flowering plant	20/07/1988	03/07/2009	9
<i>Mercurialis annua</i>	Annual Mercury	flowering plant	30/05/2005	22/04/2006	3
<i>Succisa pratensis</i>	Devil's-bit Scabious	flowering plant	22/07/1993	28/09/1994	3
<i>Quercus</i>	Oak	flowering plant	07/06/1988	-	1
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil	flowering plant	07/06/1988	03/07/2009	15
<i>Lathyrus pratensis</i>	Meadow Vetchling	flowering plant	20/07/1988	03/07/2009	9
<i>Laburnum anagyroides</i>	Laburnum	flowering plant	30/07/2008	31/07/2008	2
<i>Genista tinctoria</i>	Dyer's Greenweed	flowering plant	04/07/1991	28/09/1994	3
<i>Cytisus scoparius</i>	Broom	flowering plant	03/09/1976	30/06/2011	4
<i>Colutea arborescens</i>	Bladder-senna	flowering plant	21/08/2011	-	1
<i>Valerianella carinata</i>	Keeled-fruited Cornsalad	flowering plant	30/05/2005	-	1
<i>Stellaria pallida</i>	Lesser Chickweed	flowering plant	30/07/2008	31/07/2008	2
<i>Symphoricarpos</i>		flowering plant	03/07/2009	-	1
<i>Medicago lupulina</i>	Black Medick	flowering plant	30/05/2005	26/04/2009	4
<i>Lonicera periclymenum</i>	Honeysuckle	flowering plant	03/09/1976	17/09/2008	9
<i>Lonicera nitida</i>	Wilson's Honeysuckle	flowering plant	22/04/2006	-	1
<i>Leycesteria formosa</i>	Himalayan Honeysuckle	flowering plant	17/08/2005	-	1
<i>Knautia arvensis</i>	Field Scabious	flowering plant	06/07/2005	10/07/2005	2

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Dipsacus fullonum</i>	Wild Teasel	flowering plant	04/08/2008	19/02/2009	2
<i>Dipsacus fullonum</i>	Wild Teasel	flowering plant	30/05/2005	31/07/2006	3
<i>Centranthus ruber</i>	Red valerian	flowering plant	10/07/2005	22/09/2005	2
<i>Viburnum opulus</i>	Guelder-rose	flowering plant	27/08/1991	17/09/2008	3
<i>Viburnum lantana</i>	Wayfaring-tree	flowering plant	30/05/2005	30/06/2009	2
<i>Symphoricarpos albus</i>	Snowberry	flowering plant	21/08/2011	-	1
<i>Vicia sativa</i>	Common Vetch	flowering plant	03/07/2009	-	1
<i>Corylus avellana</i>	Hazel	flowering plant	03/09/1976	17/09/2008	9
<i>Carpinus betulus</i>	Hornbeam	flowering plant	10/07/2005	21/08/2011	3
<i>Betula pubescens</i>	Downy Birch	flowering plant	22/04/2006	17/09/2008	3
<i>Betula pendula</i>	Silver Birch	flowering plant	28/06/1989	03/07/2009	4
<i>Alnus glutinosa</i>	Alder	flowering plant	30/05/2005	17/09/2008	5
<i>Vicia tetrasperma</i>	Smooth Tare	flowering plant	31/07/2006	03/07/2009	2
<i>Vicia sepium</i>	Bush Vetch	flowering plant	28/06/1989	24/06/2009	6
<i>Vicia sativa subsp. segetalis</i>	Common Vetch	flowering plant	30/05/2005	-	1
<i>Lotus pedunculatus</i>	Greater Bird's-foot-trefoil	flowering plant	04/07/1991	30/06/2011	8
<i>Vicia sativa subsp. nigra</i>	Narrow-leaved Vetch	flowering plant	31/07/2006	-	1
<i>Ononis repens</i>	Common Restharrow	flowering plant	10/07/2005	-	1
<i>Vicia hirsuta</i>	Hairy Tare	flowering plant	30/05/2005	30/06/2009	2
<i>Vicia cracca</i>	Tufted Vetch	flowering plant	03/07/2009	-	1
<i>Ulex europaeus</i>	Gorse	flowering plant	22/09/1981	03/07/2009	7
<i>Trifolium repens</i>	White Clover	flowering plant	07/06/1988	03/07/2009	15
<i>Trifolium pratense</i>	Red Clover	flowering plant	07/06/1988	31/07/2008	17
<i>Trifolium dubium</i>	Lesser Trefoil	flowering plant	30/05/2005	02/05/2009	4
<i>Securigera varia</i>	Crown Vetch	flowering plant	31/12/1988	07/09/2003	3
<i>Robinia pseudoacacia</i>	False-acacia	flowering plant	31/12/1997	24/06/2009	2
<i>Myosotis scorpioides</i>	Water Forget-me-not	flowering plant	04/07/1991	30/05/2005	5
<i>Vicia sativa subsp. sativa</i>	Common Vetch	flowering plant	07/06/1988	-	1
<i>Myosurus minimus</i>	Mousetail	flowering plant	31/12/1996	-	1
<i>Ranunculus flammula</i>	Lesser Spearwort	flowering plant	04/07/1991	31/12/1993	3
<i>Ranunculus ficaria subsp. ficaria</i>	Lesser Celandine	flowering plant	26/04/2009	-	1
<i>Ranunculus ficaria subsp. bulbilifer</i>	Lesser Celandine	flowering plant	26/04/2009	-	1
<i>Ranunculus ficaria</i>	Lesser Celandine	flowering plant	30/05/2005	19/07/2010	5
<i>Ranunculus circinatus</i>	Fan-leaved Water-crowfoot	flowering plant	27/08/1991	-	2
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	flowering plant	23/07/1992	02/05/2009	6
<i>Ranunculus auricomus</i>	Goldilocks Buttercup	flowering plant	15/04/2009	26/04/2009	2
<i>Ranunculus acris</i>	Meadow Buttercup	flowering plant	07/06/1988	02/05/2009	7
<i>Mahonia aquifolium</i>	Oregon-grape	flowering plant	31/12/1998	21/08/2011	2
<i>Populus alba</i>	White Poplar	flowering plant	30/07/2008	31/07/2008	2
<i>Ranunculus penicillatus subsp. pseudofluitans</i>	Stream Water-Crowfoot	flowering plant	14/06/2009	-	1
<i>Caltha palustris</i>	Marsh-marigold	flowering plant	04/07/1991	06/02/2003	3
<i>Aquilegia vulgaris</i>	Columbine	flowering plant	29/04/2011	21/08/2011	2
<i>Anemone nemorosa</i>	Wood Anemone	flowering plant	30/05/2005	06/07/2005	2
<i>Pseudofumaria lutea</i>	Yellow Corydalis	flowering plant	22/04/2006	-	1

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<i>Papaver rhoeas</i>	Common Poppy	flowering plant	06/07/2005	21/08/2011	4
<i>Fumaria officinalis</i>	Common Fumitory	flowering plant	30/05/2005	30/06/2009	5
<i>Eschscholzia californica</i>	Californian Poppy	flowering plant	24/06/2009	-	1
<i>Chelidonium majus</i>	Greater Celandine	flowering plant	30/05/2005	29/04/2011	3
<i>Ranunculus aquatilis</i>	Water Crowfoot	flowering plant	23/07/1992	02/03/2005	3
<i>Calystegia sepium</i>	Hedge Bindweed	flowering plant	20/07/1988	04/08/2008	6
<i>Medicago arabica</i>	Spotted Medick	flowering plant	30/05/2005	26/04/2009	3
<i>Myosotis arvensis</i>	Field Forget-me-not	flowering plant	30/05/2005	12/08/2006	5
<i>Myosotis</i>	Forget-Me-Not	flowering plant	03/09/2007	-	1
<i>Echium vulgare</i>	Viper's-bugloss	flowering plant	30/05/2005	-	1
<i>Solanum nigrum</i>	Black Nightshade	flowering plant	30/05/2005	-	1
<i>Solanum dulcamara</i> var. <i>marinum</i>	Bittersweet	flowering plant	06/02/2003	-	1
<i>Solanum dulcamara</i>	Bittersweet	flowering plant	28/06/1989	11/11/2009	8
<i>Petunia axillaris</i> x <i>integrifolia</i> = <i>P. x hybrida</i>	Petunia	flowering plant	31/08/2006	-	1
<i>Ranunculus peltatus</i>	Pond Water-crowfoot	flowering plant	30/05/2005	-	1
<i>Calystegia silvatica</i>	Large Bindweed	flowering plant	10/07/2005	30/06/2011	3
<i>Ranunculus penicillatus</i>	Stream Water-crowfoot	flowering plant	23/07/1992	-	1
<i>Aesculus hippocastanum</i>	Horse-chestnut	flowering plant	30/05/2005	12/08/2006	5
<i>Acer pseudoplatanus</i>	Sycamore	flowering plant	30/05/2005	19/02/2009	7
<i>Acer platanoides</i>	Norway Maple	flowering plant	28/06/1989	24/06/2009	4
<i>Acer campestre</i>	Field Maple	flowering plant	03/09/1976	30/09/2011	12
<i>Acer</i>	Maple	flowering plant	03/07/2009	-	1
<i>Rhus typhina</i>	Stag's-horn Sumach	flowering plant	21/08/2011	-	1
<i>Viscum album</i>	Mistletoe	flowering plant	10/01/2009	14/04/2010	2
<i>Ranunculus repens</i>	Creeping Buttercup	flowering plant	07/06/1988	19/07/2010	24
<i>Clematis vitalba</i>	Traveller's-joy	flowering plant	28/06/1989	22/09/2005	5
<i>Convolvulus arvensis</i>	Field Bindweed	flowering plant	07/06/1988	12/08/2006	6
<i>Salix fragilis</i>	Crack-willow	flowering plant	06/07/2005	30/06/2011	4
<i>Myosotis laxa</i>	Tufted Forget-me-not	flowering plant	22/09/1981	23/07/1992	5
<i>Helianthemum nummularium</i>	Common Rock-rose	flowering plant	30/05/2005	-	1
<i>Viola riviniana</i>	Common Dog-violet	flowering plant	30/05/2005	17/05/2010	7
<i>Viola reichenbachiana</i>	Early Dog-violet	flowering plant	22/04/2006	-	1
<i>Viola odorata</i> var. <i>odorata</i>		flowering plant	22/03/2009	-	1
<i>Viola odorata</i>	Sweet Violet	flowering plant	27/05/2005	17/05/2010	4
<i>Viola arvensis</i>	Field Pansy	flowering plant	30/05/2005	04/08/2008	3
<i>Oxalis incarnata</i>	Pale Pink-sorrel	flowering plant	31/12/1998	-	1
<i>Malva moschata</i>	Musk-mallow	flowering plant	30/05/2005	12/08/2006	4
<i>Nigella damascena</i>	Love-in-a-mist	flowering plant	27/07/2008	24/06/2009	2
<i>Viola</i>	Violet	flowering plant	28/06/1989	17/09/2008	3
<i>Salix cinerea</i> subsp. <i>oleifolia</i>	Rusty Willow	flowering plant	06/07/2005	04/08/2008	3
<i>Salix cinerea</i>	Common Sallow	flowering plant	27/08/1991	11/11/2009	4
<i>Salix caprea</i>	Goat Willow	flowering plant	30/05/2005	31/07/2008	4
<i>Salix babylonica</i>	Weeping Willow	flowering plant	19/07/2010	-	1
<i>Salix aurita</i>	Eared Willow	flowering plant	22/09/1981	-	1

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<i>Salix alba</i>	White Willow	flowering plant	30/05/2005	-	1
<i>Salix</i>	Willow	flowering plant	03/09/1976	30/09/2011	7
<i>Populus tremula</i>	Aspen	flowering plant	31/07/2006	29/04/2011	4
<i>Populus alba x tremula = P. x canescens</i>	Grey Poplar	flowering plant	06/07/2005	31/07/2006	2
<i>Salix triandra x viminalis = S. x mollissima</i>	Sharp-stipuled Willow	flowering plant	27/08/1991	-	1
<i>Epilobium hirsutum</i>	Great Willowherb	flowering plant	28/06/1990	11/11/2009	12
<i>Salix triandra</i>	Almond Willow	flowering plant	27/08/1991	-	1
<i>Oxalis corniculata</i>	Procumbent Yellow-sorrel	flowering plant	02/05/2009	-	1
<i>Myosotis discolor</i>	Changing Forget-me-not	flowering plant	30/05/2005	-	1
<i>Oxalis acetosella</i>	Wood-sorrel	flowering plant	29/04/2011	-	1
<i>Nymphaea alba</i>	White Water-lily	flowering plant	12/08/2006	-	1
<i>Epilobium tetragonum</i>	Square-stalked Willowherb	flowering plant	17/08/2005	-	1
<i>Epilobium roseum</i>	Pale Willowherb	flowering plant	31/12/2000	-	1
<i>Epilobium parviflorum</i>	Hoary Willowherb	flowering plant	20/07/1988	30/06/2009	6
<i>Epilobium obscurum</i>	Short-fruited Willowherb	flowering plant	12/08/2006	11/11/2009	6
<i>Oxalis dillenii</i>	Sussex Yellow-sorrel	flowering plant	13/07/2009	-	1
<i>Epilobium ciliatum</i>	American Willowherb	flowering plant	06/07/2005	-	1
<i>Circaea lutetiana</i>	Enchanter's-nightsshade	flowering plant	06/07/2005	17/09/2008	4
<i>Chamerion angustifolium</i>	Rosebay Willowherb	flowering plant	04/08/2008	-	1
<i>Lythrum salicaria</i>	Purple-loosestrife	flowering plant	11/11/2009	19/07/2010	3
<i>Lythrum portula</i>	Water-purslane	flowering plant	22/09/1981	-	1
<i>Daphne laureola</i>	Spurge-laurel	flowering plant	10/07/2005	-	1
<i>Tilia platyphyllos x cordata = T. x europaea</i>	Lime	flowering plant	18/08/2010	21/08/2011	2
<i>Tilia platyphyllos</i>	Large-leaved Lime	flowering plant	21/08/2011	-	1
<i>Malva sylvestris</i>	Common Mallow	flowering plant	30/05/2005	18/08/2010	6
<i>Malva neglecta</i>	Dwarf Mallow	flowering plant	21/08/2011	-	1
<i>Epilobium montanum</i>	Broad-leaved Willowherb	flowering plant	30/05/2005	19/07/2010	5
<i>Polycelis tenuis</i>		flatworm (Turbellaria)	25/08/2000	-	1
<i>Dendrocoelum lacteum</i>	flatworms	flatworm (Turbellaria)	25/08/2000	23/05/2001	3
<i>Polycelis nigra</i>		flatworm (Turbellaria)	25/08/2000	-	1
<i>Polycelis</i>		flatworm (Turbellaria)	23/05/2001	-	2
<i>Girardia tigrina</i>		flatworm (Turbellaria)	25/08/2000	-	1
<i>Anisus (Anisus) leucostoma</i>	White-lipped Ramshorn	mollusc	30/06/1984	-	1
<i>Musculium lacustre</i>	Lake Orb Mussel	mollusc	30/06/1984	-	1
<i>Pisidium</i>	Indet. Pea Mussel	mollusc	23/05/2001	-	1
<i>Radix peregra</i>	Wandering Snail	mollusc	30/06/1984	-	1
<i>Stagnicola palustris</i>		mollusc	30/06/1984	-	1
<i>Ancylus fluviatilis</i>	River limpets	mollusc	25/08/2000	23/05/2001	2
<i>Anisus (Disculifer) vortex</i>	Whirlpool Ramshorn	mollusc	30/06/1984	-	1
<i>Planorbatus corneus</i>	Great Ramshorn Snail	mollusc	30/06/1984	-	1
<i>Planorbis carinatus</i>	Keeled Ramshorn	mollusc	30/06/1984	-	1
<i>Planorbis planorbis</i>	Margined Ramshorn	mollusc	30/06/1984	25/08/2000	2
<i>Segmentina nitida</i>	The Shining Ram's-horn	mollusc	30/06/1984	-	1
<i>Bithynia tentaculata</i>	Common Bithynia	mollusc	23/05/2001	-	1

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<i>Zonitoides (Zonitoides) nitidus</i>	Shiny Glass Snail	mollusc	30/06/1984	-	1
<i>Physa fontinalis</i>	Bladder snails	mollusc	30/06/1984	-	1
<i>Helobdella stagnalis</i>		annelid	30/06/1984	25/08/2000	2
<i>Theromyzon tessulatum</i>	duck leech	annelid	25/08/2000	-	1
<i>Alboglossiphonia heteroclita</i>		annelid	30/06/1984	25/08/2000	2
<i>Lumbriculus variegatus</i>		annelid	30/06/1984	-	1
<i>Erpobdella octoculata</i>	leeches	annelid	30/06/1984	23/05/2001	4
<i>Glossiphonia complanata</i>		annelid	25/08/2000	23/05/2001	2
<i>Eiseniella tetraedra</i>	Square-Tailed Worm	annelid	30/06/1984	-	1
<i>Aceria macrochela</i>		acarine (Acari)	31/08/2011	-	1
<i>Acari</i>	Indet Mite	acarine (Acari)	30/06/1984	-	1
<i>Argiope bruennichi</i>	Wasp Spider	spider (Araneae)	09/09/2010	-	1
<i>Gammarus pulex</i>		crustacean	30/06/1984	23/05/2001	3
<i>Proasellus meridianus</i>		crustacean	30/06/1984	-	1
<i>Copepoda</i>	Cyclopoid Water-Flea	crustacean	25/08/2000	-	1
<i>Asellus (Asellus) aquaticus</i>	Water hog lice/slaters	crustacean	30/06/1984	23/05/2001	3
<i>Simocephalus vetulus</i>		crustacean	30/06/1984	-	1
<i>Ostracoda</i>	Mussel Shrimp	crustacean	30/06/1984	-	1
<i>Eurycercus (Eurycercus) lamellatus</i>		crustacean	30/06/1984	-	1
<i>Baetis rhodani</i>		insect - mayfly (Ephemeroptera)	25/08/2000	23/05/2001	3
<i>Serratella ignita</i>	Blue-winged Olive	insect - mayfly (Ephemeroptera)	30/06/1984	23/05/2001	4
<i>Centroptilum luteolum</i>		insect - mayfly (Ephemeroptera)	25/08/2000	-	1
<i>Paraleptophlebia werneri</i>		insect - mayfly (Ephemeroptera)	30/06/1984	-	1
<i>Sympetrum fonscolombii</i>	Red-veined Darter	insect - dragonfly (Odonata)	09/04/2004	-	1
<i>Libellula depressa</i>	Broad-bodied Chaser	insect - dragonfly (Odonata)	24/05/1993	30/05/2004	4
<i>Coenagrion puella</i>	Azure Damselfly	insect - dragonfly (Odonata)	28/06/1990	22/05/2005	22
<i>Orthetrum cancellatum</i>	Black-tailed Skimmer	insect - dragonfly (Odonata)	01/08/1991	25/06/1999	6
<i>Sympetrum sanguineum</i>	Ruddy Darter	insect - dragonfly (Odonata)	01/08/1991	16/08/2001	13
<i>Lestes sponsa</i>	Emerald Damselfly	insect - dragonfly (Odonata)	30/06/1984	31/12/2001	13
<i>Cordulia aenea</i>	Downy Emerald	insect - dragonfly (Odonata)	25/06/1999	07/06/2010	8
<i>Pyrrhosoma nymphula</i>	Large Red Damselfly	insect - dragonfly (Odonata)	31/12/2001	22/05/2005	9
<i>Ischnura elegans</i>	Blue-tailed Damselfly	insect - dragonfly (Odonata)	22/07/1991	22/07/1993	15
<i>Erythromma viridulum</i>	Small Red-eyed Damselfly	insect - dragonfly (Odonata)	21/08/2006	-	3
<i>Sympetrum striolatum</i>	Common Darter	insect - dragonfly (Odonata)	22/07/1991	07/08/1999	11
<i>Enallagma cyathigerum</i>	Common Blue Damselfly	insect - dragonfly (Odonata)	28/06/1990	22/07/1993	10
<i>Sympetrum</i>	Darter Dragonfly	insect - dragonfly (Odonata)	30/06/1984	-	1
<i>Brachytron pratense</i>	Hairy Dragonfly	insect - dragonfly (Odonata)	04/06/2001	30/05/2004	4
<i>Anax imperator</i>	Emperor Dragonfly	insect - dragonfly (Odonata)	22/07/1991	30/05/2004	20
<i>Aeshna mixta</i>	Migrant Hawker	insect - dragonfly (Odonata)	31/12/1991	19/06/2010	4
<i>Aeshna cyanea</i>	Southern Hawker	insect - dragonfly (Odonata)	31/12/2001	-	1
<i>Erythromma najas</i>	Red-eyed Damselfly	insect - dragonfly (Odonata)	25/06/1999	22/05/2005	12
<i>Libellula quadrimaculata</i>	Four-spotted Chaser	insect - dragonfly (Odonata)	31/12/1995	26/07/1999	2
<i>Isoperla grammica</i>		insect - stonefly (Plecoptera)	23/05/2001	-	1
<i>Conocephalus dorsalis</i>	Short-winged Cone-head	insect - orthopteran	22/07/1993	-	1

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<i>Leptophyes punctatissima</i>	Speckled Bush-cricket	insect - orthopteran	22/07/1993	-	1
<i>Pholidoptera griseoptera</i>	Dark Bush-cricket	insect - orthopteran	22/07/1993	24/06/2014	2
<i>Hesperocorixa linnaei</i>		insect - true bug (Hemiptera)	30/06/1984	-	1
<i>Microvelia (Microvelia) reticulata</i>	Water crickets	insect - true bug (Hemiptera)	30/06/1984	-	1
<i>Notonecta</i>	Water boatmen	insect - true bug (Hemiptera)	30/06/1984	-	1
<i>Sigara (Sigara) dorsalis</i>		insect - true bug (Hemiptera)	30/06/1984	-	1
<i>Sialis lutaria</i>	Alder Fly	insect - alderfly (Megaloptera)	30/06/1984	-	1
<i>Adalia bipunctata</i>	2-spot Ladybird	insect - beetle (Coleoptera)	09/07/2014	-	1
<i>Coccinella septempunctata</i>	7-spot Ladybird	insect - beetle (Coleoptera)	10/08/2013	02/11/2014	33
<i>Agabus (Gaurodytes) nebulosus</i>		insect - beetle (Coleoptera)	30/06/1984	-	1
<i>Hygrotus (Hygrotus) inaequalis</i>		insect - beetle (Coleoptera)	30/06/1984	-	1
<i>Nebriporus (Nebriporus) elegans</i>		insect - beetle (Coleoptera)	25/08/2000	-	1
<i>Elmis aenea</i>		insect - beetle (Coleoptera)	25/08/2000	23/05/2001	2
<i>Limnius volckmari</i>		insect - beetle (Coleoptera)	25/08/2000	23/05/2001	3
<i>Riolus cupreus</i>		insect - beetle (Coleoptera)	25/08/2000	-	1
<i>Haliplus (Haliplus) immaculatus</i>		insect - beetle (Coleoptera)	30/06/1984	-	1
<i>Haliplus (Haliplus) ruficollis</i>		insect - beetle (Coleoptera)	30/06/1984	25/08/2000	2
<i>Haliplus (Neohaliplus) lineatocollis</i>		insect - beetle (Coleoptera)	30/06/1984	25/08/2000	2
<i>Anacaena limbata</i> agg.		insect - beetle (Coleoptera)	30/06/1984	-	1
<i>Enochrus melanocephalus</i>		insect - beetle (Coleoptera)	30/06/1984	-	1
<i>Helophorus (Atracthelophorus) brevipalpis</i>		insect - beetle (Coleoptera)	30/06/1984	-	1
<i>Helophorus (Helophorus) minutus</i>		insect - beetle (Coleoptera)	30/06/1984	-	1
<i>Lucanus cervus</i>	Stag Beetle	insect - beetle (Coleoptera)	12/06/2014	-	1
<i>Noterus clavicornis</i>	Larger Noterus	insect - beetle (Coleoptera)	30/06/1984	-	1
<i>Harmonia axyridis</i>	Harlequin Ladybird	insect - beetle (Coleoptera)	21/07/2013	13/07/2014	9
<i>Helochares lividus</i>		insect - beetle (Coleoptera)	30/06/1984	-	1
<i>Limnephilus lunatus</i>		insect - caddis fly (Trichoptera)	23/05/2001	-	2
<i>Agapetus fuscipes</i>		insect - caddis fly (Trichoptera)	25/08/2000	23/05/2001	3
<i>Hydropsyche siltalai</i>		insect - caddis fly (Trichoptera)	23/05/2001	-	1
<i>Limnephilus affinis</i>		insect - caddis fly (Trichoptera)	30/06/1984	-	1
<i>Athripsodes cinereus</i>		insect - caddis fly (Trichoptera)	23/05/2001	-	2
<i>Holocentropus stagnalis</i>		insect - caddis fly (Trichoptera)	30/06/1984	-	1
<i>Allotrichia pallicornis</i>		insect - caddis fly (Trichoptera)	23/05/2001	-	2
<i>Hydrotilla</i>		insect - caddis fly (Trichoptera)	23/05/2001	-	1
<i>Potamophylax rotundipennis</i>		insect - caddis fly (Trichoptera)	23/05/2001	-	1
<i>Lepidostoma hirtum</i>		insect - caddis fly (Trichoptera)	23/05/2001	-	1
<i>Athripsodes</i>		insect - caddis fly (Trichoptera)	25/08/2000	23/05/2001	2
<i>Polycentropus flavomaculatus</i>		insect - caddis fly (Trichoptera)	25/08/2000	-	1
<i>Rhyacophila dorsalis</i>		insect - caddis fly (Trichoptera)	23/05/2001	-	2
<i>Sericostoma personatum</i>		insect - caddis fly (Trichoptera)	25/08/2000	23/05/2001	2
<i>Pieris brassicae</i>	Large White	insect - butterfly	28/06/1990	21/07/2013	30
<i>Limenitis camilla</i>	White Admiral	insect - butterfly	25/07/1999	28/07/2012	3
<i>Maniola jurtina</i>	Meadow Brown	insect - butterfly	28/06/1990	21/07/2013	40
<i>Melanargia galathea</i>	Marbled White	insect - butterfly	06/07/1997	30/07/2012	6

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Melanargia galathea subsp. serena</i>	Marbled White	insect - butterfly	08/07/2014	-	1
<i>Pararge aegeria</i>	Speckled Wood	insect - butterfly	16/06/1993	21/07/2013	29
<i>Polygonia c-album</i>	Comma	insect - butterfly	18/07/1996	21/07/2013	21
<i>Pyronia tithonus</i>	Hedge Brown	insect - butterfly	18/07/1996	21/07/2013	23
<i>Pyronia tithonus subsp. britanniae</i>	Hedge Brown	insect - butterfly	28/06/1990	16/08/1996	6
<i>Vanessa atalanta</i>	Red Admiral	insect - butterfly	28/06/1990	08/07/2013	21
<i>Pieris napi</i>	Green-veined White	insect - butterfly	23/07/1992	21/07/2013	26
<i>Anthocharis cardamines</i>	Orange-tip	insect - butterfly	31/05/1996	13/05/2012	18
<i>Inachis io</i>	Peacock	insect - butterfly	01/08/1991	04/08/2012	29
<i>Gonepteryx rhamni</i>	Brimstone	insect - butterfly	20/03/1997	06/09/2012	5
<i>Pieris rapae</i>	Small White	insect - butterfly	16/06/1993	21/07/2013	45
<i>Vanessa cardui</i>	Painted Lady	insect - butterfly	31/05/1996	09/06/2012	8
<i>Polyommatus icarus</i>	Common Blue	insect - butterfly	16/08/1996	06/09/2012	7
<i>Ochlodes sylvanus</i>	Large Skipper	insect - butterfly	28/06/1990	30/07/2012	14
<i>Thymelicus</i>		insect - butterfly	24/07/2012	21/07/2013	3
<i>Thymelicus lineola</i>	Essex Skipper	insect - butterfly	01/08/1991	21/07/2012	5
<i>Thymelicus sylvestris</i>	Small Skipper	insect - butterfly	01/08/1991	21/07/2013	10
<i>Aricia agestis</i>	Brown Argus	insect - butterfly	17/06/2012	30/07/2012	2
<i>Celastrina argiolus</i>	Holly Blue	insect - butterfly	06/07/1997	21/07/2013	13
<i>Pyrgus malvae</i>	Grizzled Skipper	insect - butterfly	06/04/2012	08/05/2012	2
<i>Lycaena phlaeas</i>	Small Copper	insect - butterfly	23/07/1992	21/07/2013	12
<i>Coenonympha pamphilus</i>	Small Heath	insect - butterfly	17/06/2012	06/09/2012	2
<i>Satyrrium w-album</i>	White-letter Hairstreak	insect - butterfly	01/08/1991	-	1
<i>Aglaia urticae</i>	Small Tortoiseshell	insect - butterfly	28/06/1990	21/07/2013	24
<i>Apatura iris</i>	Purple Emperor	insect - butterfly	23/07/1997	13/07/2013	8
<i>Aphantopus hyperantus</i>	Ringlet	insect - butterfly	18/07/1996	08/07/2013	8
<i>Argynnis paphia</i>	Silver-washed Fritillary	insect - butterfly	23/07/1997	28/07/2012	2
<i>Boloria euphrosyne</i>	Pearl-bordered Fritillary	insect - butterfly	20/04/1997	31/12/1997	6
<i>Favonius quercus</i>	Purple Hairstreak	insect - butterfly	16/06/1993	28/07/2012	10
<i>Colias croceus</i>	Clouded Yellow	insect - butterfly	23/07/1992	16/08/1996	3
<i>Epirrhoe alternata</i>	Common Carpet	insect - moth	19/08/1996	-	2
<i>Epirrhoe alternata subsp. alternata</i>	Common Carpet	insect - moth	03/06/2006	21/07/2006	2
<i>Eulithis mellinata</i>	Spinach	insect - moth	05/07/1989	-	1
<i>Eulithis prunata</i>	Phoenix	insect - moth	05/07/1989	21/07/2006	2
<i>Eulithis pyraliata</i>	Barred Straw	insect - moth	05/07/1989	-	1
<i>Eupithecia absinthiata</i>	Wormwood Pug	insect - moth	05/07/1989	-	1
<i>Eupithecia assimilata</i>	Currant Pug	insect - moth	31/07/2014	-	1
<i>Cameraria ohridella</i>	Horse-Chestnut Leaf-miner	insect - moth	18/10/2011	-	1
<i>Eupithecia exiguata</i>	Mottled Pug	insect - moth	03/06/2006	-	1
<i>Ennomos alniaria</i>	Canary-shouldered Thorn	insect - moth	19/08/1996	21/07/2006	2
<i>Eupithecia haworthiata</i>	Haworth's Pug	insect - moth	05/07/1989	-	2
<i>Eupithecia pulchellata</i>	Foxglove Pug	insect - moth	05/07/1989	-	1
<i>Eupithecia tantillaria</i>	Dwarf Pug	insect - moth	03/06/2006	-	1
<i>Eupithecia tenuiata</i>	Slender Pug	insect - moth	03/06/2006	-	1

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<i>Eupithecia tripunctaria</i>	White-spotted Pug	insect - moth	21/07/2006	-	1
<i>Geometra papilionaria</i>	Large Emerald	insect - moth	05/07/1989	-	2
<i>Gymnoscelis rufifasciata</i>	Double-striped Pug	insect - moth	19/08/1996	31/07/2014	2
<i>Hemistola chrysoprasaria</i>	Small Emerald	insect - moth	05/07/1989	21/07/2006	4
<i>Eupithecia centaureata</i>	Lime-speck Pug	insect - moth	19/08/1996	31/07/2014	2
<i>Crocallis elinguaris</i>	Scalloped Oak	insect - moth	19/08/1996	31/07/2014	4
<i>Biston betularia</i>	Peppered Moth	insect - moth	05/07/1989	21/07/2006	4
<i>Biston betularia form insularia</i>	Peppered Moth	insect - moth	21/07/2006	-	1
<i>Bupalus piniaria</i>	Bordered White	insect - moth	03/06/2006	-	1
<i>Cabera exanthemata</i>	Common Wave	insect - moth	05/07/1989	31/07/2014	6
<i>Cabera pusaria</i>	Common White Wave	insect - moth	05/07/1989	21/07/2006	3
<i>Campaea margaritata</i>	Light Emerald	insect - moth	05/07/1989	-	1
<i>Camptogramma bilineata subsp. bilineata</i>	Yellow Shell	insect - moth	05/07/1989	-	1
<i>Epione repandaria</i>	Bordered Beauty	insect - moth	19/08/1996	21/07/2006	3
<i>Cosmorhoe ocellata</i>	Purple Bar	insect - moth	19/08/1996	-	1
<i>Ennomos erosaria</i>	September Thorn	insect - moth	31/07/2014	-	1
<i>Cyclophora annularia</i>	Mocha	insect - moth	19/08/1996	21/07/2006	2
<i>Cyclophora linearia</i>	Clay Triple-lines	insect - moth	05/07/1989	-	2
<i>Cyclophora punctaria</i>	Maiden's Blush	insect - moth	19/08/1996	31/07/2014	6
<i>Ecliptopera silaceata</i>	Small Phoenix	insect - moth	19/08/1996	-	3
<i>Ectropis bistortata</i>	Engrailed	insect - moth	04/04/1995	21/07/2006	3
<i>Electrophaes corylata</i>	Broken-barred Carpet	insect - moth	03/06/2006	-	1
<i>Hypomecis punctinalis</i>	Pale Oak Beauty	insect - moth	03/06/2006	-	1
<i>Colostygia pectinataria</i>	Green Carpet	insect - moth	03/06/2006	07/06/2012	3
<i>Thera obeliscata</i>	Grey Pine Carpet	insect - moth	03/06/2006	-	1
<i>Hemithea aestivaria</i>	Common Emerald	insect - moth	05/07/1989	-	1
<i>Plagodis dolabraria</i>	Scorched Wing	insect - moth	03/06/2006	-	1
<i>Pseudoterpna pruinata</i>	Grass Emerald	insect - moth	21/07/2006	-	1
<i>Scopula floslactata</i>	Cream Wave	insect - moth	03/06/2006	-	1
<i>Scopula imitaria</i>	Small Blood-vein	insect - moth	21/07/2006	-	1
<i>Scopula immutata</i>	Lesser Cream Wave	insect - moth	21/07/2006	-	1
<i>Scotopteryx chenopodiata</i>	Shaded Broad-bar	insect - moth	19/08/1996	-	2
<i>Perizoma flavofasciata</i>	Sandy Carpet	insect - moth	05/07/1989	-	1
<i>Thera firmata</i>	Pine Carpet	insect - moth	21/07/2006	31/07/2014	2
<i>Perizoma alchemillata</i>	Small Rivulet	insect - moth	05/07/1989	-	2
<i>Timandra griseata</i>	Blood-Vein	insect - moth	19/08/1996	-	1
<i>Trichopteryx carpinata</i>	Early Tooth-striped	insect - moth	04/04/1995	-	2
<i>Xanthorhoe ferrugata</i>	Dark-barred Twin-spot Carpet	insect - moth	05/07/1989	31/07/2014	4
<i>Xanthorhoe montanata</i>	Silver-ground Carpet	insect - moth	05/06/2012	-	1
<i>Xanthorhoe montanata subsp. montanata</i>	Silver-ground Carpet	insect - moth	03/06/2006	-	1
<i>Xanthorhoe spadicearia</i>	Red Twin-spot Carpet	insect - moth	19/08/1996	31/07/2014	3
<i>Caloptilia semifascia</i>	Maple Slender	insect - moth	18/10/2011	-	1
<i>Caloptilia stigmatella</i>	White-triangle Slender	insect - moth	29/09/2003	-	1
<i>Selenia dentaria</i>	Early Thorn	insect - moth	05/07/1989	21/07/2006	6

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<i>Lomographa temerata</i>	Clouded Silver	insect - moth	05/07/1989	-	1
<i>Alcis repandata</i>	Mottled Beauty	insect - moth	05/07/1989	21/07/2006	2
<i>Idaea aversata</i>	Riband Wave	insect - moth	05/07/1989	31/07/2014	8
<i>Idaea biselata</i>	Small Fan-footed Wave	insect - moth	05/07/1989	31/07/2014	3
<i>Idaea dimidiata</i>	Single-dotted Wave	insect - moth	05/07/1989	31/07/2014	6
<i>Idaea seriata</i>	Small Dusty Wave	insect - moth	21/07/2006	-	1
<i>Idaea subsericeata</i>	Satin Wave	insect - moth	19/08/1996	-	1
<i>Lampropteryx suffumata</i>	Water Carpet	insect - moth	03/06/2006	-	1
<i>Petrophora chlorosata</i>	Brown Silver-line	insect - moth	03/06/2006	-	1
<i>Lomaspilis marginata</i>	Clouded Border	insect - moth	05/07/1989	31/07/2014	4
<i>Hydriomena furcata</i>	July Highflyer	insect - moth	05/07/1989	31/07/2014	4
<i>Macaria alternata</i>	Sharp-angled Peacock	insect - moth	03/06/2006	-	1
<i>Macaria notata</i>	Peacock Moth	insect - moth	19/08/1996	03/06/2006	2
<i>Melanthia procellata</i>	Pretty Chalk Carpet	insect - moth	05/07/1989	-	1
<i>Odontopera bidentata</i>	Scalloped Hazel	insect - moth	03/06/2006	-	1
<i>Opisthograptis luteolata</i>	Brimstone Moth	insect - moth	05/07/1989	31/07/2014	5
<i>Ourapteryx sambucaria</i>	Swallow-tailed Moth	insect - moth	05/07/1989	-	2
<i>Parectropis similaria</i>	Brindled White-spot	insect - moth	05/07/1989	-	1
<i>Peribatodes rhomboidaria</i>	Willow Beauty	insect - moth	05/07/1989	31/07/2014	5
<i>Ligdia adustata</i>	Scorched Carpet	insect - moth	19/08/1996	31/07/2014	4
<i>Metriotes lutarea</i>	Stitchwort Case-bearer	insect - moth	18/05/1989	-	1
<i>Bucculatrix ulmella</i>	Oak Bent-wing	insect - moth	19/10/2000	-	1
<i>Diurnea fagella</i>	March Tubic	insect - moth	29/09/2003	-	1
<i>Coleophora</i>		insect - moth	19/08/1996	-	1
<i>Coleophora binderella</i>	Grey Alder Case-bearer	insect - moth	19/10/2000	-	1
<i>Coleophora frischella</i>	White-clover Case-bearer	insect - moth	19/08/1996	-	2
<i>Coleophora gryphipennella</i>	Rose Case-bearer	insect - moth	29/09/2003	18/10/2011	2
<i>Coleophora limosipennella</i>	Dark Elm Case-bearer	insect - moth	29/09/2003	-	1
<i>Anticlea badiata</i>	Shoulder Stripe	insect - moth	04/04/1995	-	3
<i>Coleophora serratella</i>	Common Case-bearer	insect - moth	21/09/2001	29/09/2003	2
<i>Thumatha senex</i>	Round-winged Muslin	insect - moth	19/08/1996	-	1
<i>Limnaecia phragmitella</i>	Bulrush Cosmet	insect - moth	19/08/1996	-	2
<i>Zeuzera pyrina</i>	Leopard Moth	insect - moth	19/08/1996	21/07/2006	2
<i>Acentria ephemerella</i>	Water Veneer	insect - moth	19/08/1996	-	3
<i>Agriphila straminella</i>	Straw Grass-veneer	insect - moth	19/08/1996	-	3
<i>Agriphila tristella</i>	Common Grass-veneer	insect - moth	05/07/1989	19/08/1996	5
<i>Cataclysta lemnata</i>	Small China-mark	insect - moth	19/08/1996	-	3
<i>Catoptria pinella</i>	Pearl Grass-veneer	insect - moth	05/07/1989	-	1
<i>Coleophora saxicolella</i>	Orache Case-bearer	insect - moth	19/08/1996	-	3
<i>Eilema depressa</i>	Buff Footman	insect - moth	19/08/1996	21/07/2006	2
<i>Zygaena trifolii</i>	Five-spot Burnet	insect - moth	28/06/1990	-	1
<i>Syndemis musculana</i>	Dark-barred Twist	insect - moth	03/06/2006	-	1
<i>Spilonota ocellana</i>	Bud Moth	insect - moth	19/08/1996	-	3
<i>Phtheochroa inopiana</i>	Plain Conch	insect - moth	19/08/1996	-	2

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<i>Pandemis heparana</i>	Dark Fruit-tree Tortrix	insect - moth	05/07/1989	-	1
<i>Pandemis corylana</i>	Chequered Fruit-tree Tortrix	insect - moth	19/08/1996	-	2
<i>Hedya nubiferana</i>	Marbled Orchard Tortrix	insect - moth	03/06/2006	-	1
<i>Bucculatrix albedinella</i>	Elm Bent-wing	insect - moth	29/09/2003	-	1
<i>Eilema complana</i>	Scarce Footman	insect - moth	05/07/1989	31/07/2014	4
<i>Blastobasis adustella</i>	Dingy Dowd	insect - moth	19/08/1996	31/07/2014	5
<i>Eilema griseola</i>	Dingy Footman	insect - moth	19/08/1996	31/07/2014	2
<i>Eilema lurideola</i>	Common Footman	insect - moth	05/07/1989	31/07/2014	4
<i>Eilema sororcula</i>	Orange Footman	insect - moth	03/06/2006	03/06/2008	2
<i>Mitochrista miniata</i>	Rosy Footman	insect - moth	21/07/2006	31/07/2014	2
<i>Phragmatobia fuliginosa</i>	Ruby Tiger	insect - moth	05/07/1989	31/07/2014	4
<i>Spilosoma lubricipeda</i>	White Ermine	insect - moth	03/06/2006	07/06/2012	4
<i>Spilosoma luteum</i>	Buff Ermine	insect - moth	03/06/2006	31/07/2014	4
<i>Eudonia lacustrata</i>	Little Grey	insect - moth	19/08/1996	-	3
<i>Adela reaumurella</i>	Green Long-horn	insect - moth	18/05/1989	-	1
<i>Psyche casta</i>	Common Sweep	insect - moth	18/05/1989	29/09/2003	2
<i>Chrysoteuchia culmella</i>	Garden Grass-veneer	insect - moth	05/07/1989	21/07/2006	5
<i>Agonopterix arenella</i>	Brindled Flat-body	insect - moth	19/08/1996	-	3
<i>Agonopterix heracliata</i>	Common Flat-body	insect - moth	19/08/1996	-	2
<i>Depressaria daucella</i>	Dingy Flat-body	insect - moth	05/06/2012	-	1
<i>Elachista maculicerusella</i>	Triple-spot Dwarf	insect - moth	19/08/1996	-	4
<i>Epermenia falciformis</i>	Large Lance-wing	insect - moth	19/08/1996	-	2
<i>Calliteara pudibunda</i>	Pale Tussock	insect - moth	03/06/2006	03/06/2008	2
<i>Watsonalla binaria</i>	Oak Hook-tip	insect - moth	19/08/1996	31/07/2014	5
<i>Herminia grisealis</i>	Small Fan-foot	insect - moth	03/06/2006	03/06/2008	2
<i>Thyatira batis</i>	Peach Blossom	insect - moth	03/06/2006	21/07/2006	2
<i>Laspeyria flexula</i>	Beautiful Hook-tip	insect - moth	05/07/1989	-	1
<i>Lymantria monacha</i>	Black Arches	insect - moth	19/08/1996	31/07/2014	4
<i>Rivula sericealis</i>	Straw Dot	insect - moth	04/07/1989	31/07/2014	6
<i>Zanclognatha tarsipennalis</i>	Fan-foot	insect - moth	05/07/1989	-	1
<i>Eriocrania subpurpurella</i>	Common Oak Purple	insect - moth	18/05/1989	-	1
<i>Anacampsis populella</i>	Poplar Sober	insect - moth	19/08/1996	-	3
<i>Caryocolum fraternella</i>	Mouse-ear Groundling	insect - moth	19/08/1996	-	3
<i>Hypena proboscidalis</i>	Snout	insect - moth	04/07/1989	07/06/2012	7
<i>Catocala nupta</i>	Red Underwing	insect - moth	19/08/1996	-	1
<i>Udea olivalis</i>	Olive Pearl	insect - moth	05/07/1989	21/07/2006	3
<i>Alsophila aescularia</i>	March Moth	insect - moth	04/04/1995	-	2
<i>Eudonia mercurella</i>	Small Grey	insect - moth	05/07/1989	19/08/1996	5
<i>Eurrhyncha hortulata</i>	Small Magpie	insect - moth	05/07/1989	-	2
<i>Nomophila noctuella</i>	Rush Veneer	insect - moth	19/08/1996	-	3
<i>Parapoynx stratiotata</i>	Ringed China-mark	insect - moth	19/08/1996	-	3
<i>Pleuroptya ruralis</i>	Mother of Pearl	insect - moth	05/07/1989	18/10/2011	5
<i>Scoparia pyralella</i>	Meadow Grey	insect - moth	03/06/2006	-	1
<i>Watsonalla cultraria</i>	Barred Hook-tip	insect - moth	19/08/1996	-	1

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<i>Udea ferrugalis</i>	Rusty Dot	insect - moth	19/08/1996	-	2
<i>Crambus perlella</i>	Satin Grass-veneer	insect - moth	05/07/1989	-	1
<i>Udea prunalis</i>	Dusky Pearl	insect - moth	05/07/1989	-	1
<i>Cilix glaucata</i>	Chinese Character	insect - moth	19/08/1996	-	1
<i>Drepana falcatoria</i>	Pebble Hook-tip	insect - moth	03/06/2006	21/07/2006	2
<i>Falcaria lacertinaria</i>	Scalloped Hook-tip	insect - moth	19/08/1996	21/07/2006	2
<i>Habrosyne pyritoides</i>	Buff Arches	insect - moth	05/07/1989	21/07/2006	3
<i>Ochropacha duplaris</i>	Common Lutestring	insect - moth	05/07/1989	-	2
<i>Polyploca ridens</i>	Frosted Green	insect - moth	04/04/1995	-	2
<i>Tethea ocularis</i>	Figure of Eighty	insect - moth	03/06/2006	-	1
<i>Scoparia subfusca</i>	Large Grey	insect - moth	05/07/1989	-	2
<i>Paradrina clavipalpis</i>	Pale Mottled Willow	insect - moth	04/07/1989	-	1
<i>Nonagria typhae</i>	Bulrush Wainscot	insect - moth	19/08/1996	-	2
<i>Ochropleura plecta</i>	Flame Shoulder	insect - moth	05/07/1989	31/07/2014	12
<i>Oligia</i>		insect - moth	07/06/2012	-	1
<i>Oligia strigilis</i>	Marbled Minor	insect - moth	21/07/2006	-	1
<i>Orthosia cerasi</i>	Common Quaker	insect - moth	04/04/1995	-	3
<i>Orthosia cruda</i>	Small Quaker	insect - moth	04/04/1995	-	3
<i>Orthosia gothica</i>	Hebrew Character	insect - moth	04/04/1995	-	3
<i>Hoplodrina blanda</i>	Rustic	insect - moth	19/08/1996	31/07/2014	3
<i>Orthosia incerta</i>	Clouded Drab	insect - moth	04/04/1995	-	3
<i>Noctua interjecta subsp. caliginosa</i>	Least Yellow Underwing	insect - moth	19/08/1996	-	1
<i>Phlogophora meticulosa</i>	Angle Shades	insect - moth	05/07/1989	03/06/2008	6
<i>Protodeltote pygarga</i>	Marbled White Spot	insect - moth	05/07/1989	03/06/2008	3
<i>Xestia sexstrigata</i>	Six-striped Rustic	insect - moth	19/08/1996	-	1
<i>Xestia triangulum</i>	Double-square Spot	insect - moth	05/07/1989	21/07/2006	2
<i>Xestia xanthographa</i>	Square-spot Rustic	insect - moth	19/08/1996	-	1
<i>Xylocampa areola</i>	Early Grey	insect - moth	04/04/1995	-	2
<i>Bena bicolorana</i>	Scarce Silver-lines	insect - moth	21/07/2006	-	1
<i>Orthosia gracilis</i>	Powdered Quaker	insect - moth	04/04/1995	-	2
<i>Mesapamea secalis</i>	Common Rustic	insect - moth	21/07/2006	-	1
<i>Ipimorpha retusa</i>	Double Kidney	insect - moth	19/08/1996	-	2
<i>Lacanobia oleracea</i>	Bright-Line Brown-Eye	insect - moth	04/07/1989	21/07/2006	3
<i>Lacanobia w-latinum</i>	Light Brocade	insect - moth	03/06/2006	03/06/2008	2
<i>Lithophane ornitopus subsp. lactipennis</i>	Grey Shoulder-knot	insect - moth	04/04/1995	-	2
<i>Luperina testacea</i>	Flounced Rustic	insect - moth	19/08/1996	-	2
<i>Lycophotia porphyrea</i>	True Lover's Knot	insect - moth	31/07/2014	-	1
<i>Melanchra persicariae</i>	Dot Moth	insect - moth	05/07/1989	-	1
<i>Noctua pronuba</i>	Large Yellow Underwing	insect - moth	05/07/1989	31/07/2014	10
<i>Mesapamea secalis agg.</i>	Common Rustic	insect - moth	04/07/1989	19/08/1996	3
<i>Noctua janthe</i>	Lesser Broad-bordered Yellow Underwi	insect - moth	05/07/1989	31/07/2014	7
<i>Mythimna ferrago</i>	Clay	insect - moth	05/07/1989	-	1
<i>Mythimna impura</i>	Smoky Wainscot	insect - moth	04/07/1989	21/07/2006	4
<i>Mythimna pallens</i>	Common Wainscot	insect - moth	04/07/1989	21/07/2006	5

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<i>Mythimna straminea</i>	Southern Wainscot	insect - moth	19/08/1996	-	1
<i>Noctua comes</i>	Lesser Yellow Underwing	insect - moth	05/07/1989	21/07/2006	5
<i>Noctua fimbriata</i>	Broad-bordered Yellow Underwing	insect - moth	19/08/1996	31/07/2014	2
<i>Noctua interjecta</i>	Least Yellow Underwing	insect - moth	31/07/2014	-	1
<i>Drymonia dodonaea</i>	Marbled Brown	insect - moth	03/06/2006	03/06/2008	2
<i>Mesapamea</i>		insect - moth	31/07/2014	-	1
<i>Plutella xylostella</i>	Diamond-back Moth	insect - moth	19/08/1996	31/07/2014	4
<i>Nola cucullatella</i>	Short-cloaked Moth	insect - moth	05/07/1989	-	1
<i>Monopis weaverella</i>	Carrion Moth	insect - moth	31/07/2014	-	1
<i>Sphinx ligustri</i>	Privet Hawk-moth	insect - moth	21/07/2006	-	1
<i>Mimas tiliae</i>	Lime Hawk-moth	insect - moth	03/06/2006	-	1
<i>Hyloicus pinastri</i>	Pine Hawk-moth	insect - moth	19/08/1996	21/07/2006	2
<i>Deilephila elpenor</i>	Elephant Hawk-moth	insect - moth	05/07/1989	21/07/2006	2
<i>Phycita roborella</i>	Dotted Oak Knot-horn	insect - moth	05/07/1989	19/08/1996	4
<i>Emmetia marginea</i>	Bordered Carl	insect - moth	29/09/2003	18/10/2011	2
<i>Carcina quercana</i>	Long-horned Flat-body	insect - moth	19/08/1996	21/07/2006	4
<i>Acleris laterana</i>	Dark-triangle Button	insect - moth	19/08/1996	-	3
<i>Pterophorus pentadactyla</i>	White Plume Moth	insect - moth	05/07/1989	-	1
<i>Endotricha flammealis</i>	Rosy Tabby	insect - moth	21/07/2006	-	1
<i>Euzophora pinguis</i>	Ash-bark Knot-horn	insect - moth	19/08/1996	-	2
<i>Hypsopygia costalis</i>	Gold Triangle	insect - moth	05/07/1989	-	1
<i>Myelois circumvoluta</i>	Thistle Ermine	insect - moth	05/07/1989	-	2
<i>Pempelia palumbella</i>	Heather Knot-horn	insect - moth	21/07/2006	-	1
<i>Gracillaria syringella</i>	Common Slender	insect - moth	29/09/2003	18/10/2011	2
<i>Euproctis similis</i>	Yellow-tail	insect - moth	05/07/1989	31/07/2014	5
<i>Alabonia geoffrella</i>	Common Tubic	insect - moth	05/06/2012	-	1
<i>Stauropus fagi</i>	Lobster Moth	insect - moth	05/07/1989	21/07/2006	3
<i>Photedes minima</i>	Small Dotted Buff	insect - moth	05/07/1989	-	1
<i>Drymonia ruficornis</i>	Lunar Marbled Brown	insect - moth	04/04/1995	-	2
<i>Furcula furcula</i>	Sallow Kitten	insect - moth	19/08/1996	21/07/2006	2
<i>Notodonta dromedarius</i>	Iron Prominent	insect - moth	05/07/1989	31/07/2014	5
<i>Peridea anceps</i>	Great Prominent	insect - moth	03/06/2006	03/06/2008	2
<i>Phalera bucephala</i>	Buff-tip	insect - moth	19/08/1996	31/07/2014	3
<i>Pheosia gnoma</i>	Lesser Swallow Prominent	insect - moth	19/08/1996	-	1
<i>Tinea semifulvella</i>	Fulvous Clothes	insect - moth	18/05/1989	-	1
<i>Ptilodon capucina</i>	Coxcomb Prominent	insect - moth	19/08/1996	-	1
<i>Cerura vinula</i>	Puss Moth	insect - moth	18/05/2013	-	1
<i>Cochylis molliculana</i>	Ox-tongue Conch	insect - moth	19/08/1996	-	3
<i>Cochylis atricapitana</i>	Black-headed Conch	insect - moth	31/07/2014	-	1
<i>Cochylidia implicitana</i>	Chamomile Conch	insect - moth	19/08/1996	-	3
<i>Celypha lacunana</i>	Common Marble	insect - moth	05/07/1989	05/06/2012	5
<i>Apotomis betuletana</i>	Birch Marble	insect - moth	19/08/1996	-	3
<i>Ancylis mitterbacheriana</i>	Red Roller	insect - moth	29/09/2003	-	1
<i>Agapeta hamana</i>	Common Yellow Conch	insect - moth	05/07/1989	21/07/2006	4

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<i>Acleris variegana</i>	Garden Rose Tortrix	insect - moth	19/08/1996	-	3
<i>Pterostoma palpina</i>	Pale Prominent	insect - moth	19/08/1996	-	1
<i>Epiblema cynosbatella</i>	Yellow-faced Bell	insect - moth	05/06/2012	-	1
<i>Phyllonorycter nicellii</i>	Red Hazel Midget	insect - moth	29/09/2003	18/10/2011	2
<i>Epinotia nisella</i>	Grey Poplar Bell	insect - moth	19/08/1996	-	2
<i>Incurvaria pectinea</i>	Pale Feathered Bright	insect - moth	29/09/2003	-	1
<i>Euthrix potatoria</i>	Drinker	insect - moth	05/07/1989	19/08/1996	5
<i>Gastropacha quercifolia</i>	Lappet	insect - moth	05/07/1989	-	1
<i>Lasiocampa quercus</i>	Oak Eggar	insect - moth	19/08/1996	31/07/2014	3
<i>Apoda limacodes</i>	Festoon	insect - moth	21/07/2006	-	1
<i>Eucosma cana</i>	Hoary Belle	insect - moth	19/08/1996	-	2
<i>Epiblema roborana</i>	Summer Rose Bell	insect - moth	19/08/1996	-	2
<i>Eucosma hohenwartiana</i>	Bright Bell	insect - moth	19/08/1996	-	3
<i>Ditula angustiorana</i>	Red-barred Tortrix	insect - moth	19/08/1996	31/07/2014	4
<i>Cydia splendana</i>	Marbled Piercer	insect - moth	19/08/1996	-	3
<i>Cydia pomonella</i>	Codling Moth	insect - moth	31/07/2014	-	1
<i>Ectoedemia atricollis</i>	Pinch-barred Pigmy	insect - moth	29/09/2003	18/10/2011	2
<i>Stigmella anomalella</i>	Rose Leaf Miner	insect - moth	18/10/2011	-	1
<i>Stigmella aurella</i>	Golden Pigmy	insect - moth	29/09/2003	18/10/2011	2
<i>Stigmella crataegella</i>	Common Thorn Pigmy	insect - moth	18/10/2011	-	1
<i>Stigmella floslactella</i>	Coarse Hazel Pigmy	insect - moth	18/10/2011	-	1
<i>Epiblema uddmanniana</i>	Bramble Shoot Moth	insect - moth	21/07/2006	31/07/2014	2
<i>Phyllonorycter quinnata</i>	Dark Hornbeam Midget	insect - moth	21/09/2001	18/10/2011	3
<i>Phyllonorycter messaniella</i>	Garden Midget	insect - moth	21/09/2001	29/09/2003	2
<i>Phyllonorycter leucographella</i>	Firethorn Leaf Miner	insect - moth	18/10/2011	-	1
<i>Phyllonorycter corylifoliella</i>	Hawthorn Midget	insect - moth	29/09/2003	-	1
<i>Phyllonorycter coryli</i>	Nut Leaf Blister Moth	insect - moth	29/09/2003	18/10/2011	2
<i>Xestia c-nigrum</i>	Setaceous Hebrew Character	insect - moth	05/07/1989	03/06/2008	5
<i>Phyllonorycter acerifoliella</i>	Maple Midget	insect - moth	18/10/2011	-	1
<i>Hoplodrina ambigua</i>	Vine's Rustic	insect - moth	07/06/2012	-	1
<i>Epiphyas postvittana</i>	Light Brown Apple Moth	insect - moth	03/06/2006	05/06/2012	2
<i>Phyllonorycter oxyacanthae</i>	Common Thorn Midget	insect - moth	29/09/2003	18/10/2011	2
<i>Stigmella microtheriella</i>	Nut-tree Pigmy	insect - moth	21/09/2001	18/10/2011	3
<i>Phyllonorycter schreberella</i>	Small Elm Midget	insect - moth	29/09/2003	-	1
<i>Phyllonorycter spinicolella</i>	Sloe Midget	insect - moth	29/09/2003	-	1
<i>Phyllonorycter tenerella</i>	Hornbeam Midget	insect - moth	29/09/2003	-	1
<i>Phyllonorycter trifasciella</i>	Honeysuckle Midget	insect - moth	29/09/2003	-	1
<i>Hepialus humuli</i>	Ghost Moth	insect - moth	05/07/1989	-	1
<i>Hepialus lupulinus</i>	Common Swift	insect - moth	03/06/2006	05/06/2012	2
<i>Hepialus sylvina</i>	Orange Swift	insect - moth	31/07/2014	-	1
<i>Gypsonoma dealbana</i>	Common Cloaked Shoot	insect - moth	29/09/2003	18/10/2011	2
<i>Parornix devoniella</i>	Hazel Slender	insect - moth	29/09/2003	18/10/2011	2
<i>Craniophora ligustri</i>	Coronet	insect - moth	05/07/1989	31/07/2014	3
<i>Axylia putris</i>	Flame	insect - moth	05/07/1989	-	2

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<i>Brachylochia viminalis</i>	Minor Shoulder-knot	insect - moth	04/07/1989	-	1
<i>Caradrina morpheus</i>	Mottled Rustic	insect - moth	05/07/1989	31/07/2014	4
<i>Cerastis rubricosa</i>	Red Chestnut	insect - moth	04/04/1995	-	3
<i>Charanyca trigrammica</i>	Treble Lines	insect - moth	03/06/2006	07/06/2012	4
<i>Chortodes pygmina</i>	Small Wainscot	insect - moth	19/08/1996	-	1
<i>Coenobia rufa</i>	Small Rufous	insect - moth	19/08/1996	-	2
<i>Stigmella hybnerella</i>	Greenish Thorn Pigmy	insect - moth	29/09/2003	-	1
<i>Cosmia trapezina</i>	Dun-bar	insect - moth	19/08/1996	31/07/2014	3
<i>Apamea remissa</i>	Dusky Brocade	insect - moth	04/07/1989	-	1
<i>Diachrysia chrysis</i>	Burnished Brass	insect - moth	21/07/2006	31/07/2014	2
<i>Diarsia brunnea</i>	Purple Clay	insect - moth	05/07/1989	-	1
<i>Diarsia mendica</i>	Ingrailed Clay	insect - moth	05/06/2012	-	1
<i>Diarsia rubi</i>	Small Square-spot	insect - moth	19/08/1996	-	1
<i>Discestra trifolii</i>	Nutmeg	insect - moth	05/07/1989	-	1
<i>Eremobia ochroleuca</i>	Dusky Sallow	insect - moth	21/07/2006	-	1
<i>Euplexia lucipara</i>	Small Angle Shades	insect - moth	05/07/1989	03/06/2008	3
<i>Hoplodrina alsines</i>	Uncertain	insect - moth	05/07/1989	31/07/2014	3
<i>Colocasia coryli</i>	Nut-tree Tussock	insect - moth	03/06/2006	03/06/2008	2
<i>Agrotis ipsilon</i>	Dark Sword-grass	insect - moth	19/08/1996	-	2
<i>Stigmella plagiocolella</i>	Scrubland Pigmy	insect - moth	29/09/2003	18/10/2011	2
<i>Stigmella splendissimella</i>	Glossy Bramble Pigmy	insect - moth	29/09/2003	-	1
<i>Stigmella viscerella</i>	Plain Elm Pigmy	insect - moth	29/09/2003	-	1
<i>Parornix carpinella</i>	Hornbeam Slender	insect - moth	19/10/2000	18/10/2011	4
<i>Abrostola tripartita</i>	Spectacle	insect - moth	05/07/1989	03/06/2008	3
<i>Parornix anglicella</i>	Hawthorn Slender	insect - moth	29/09/2003	18/10/2011	2
<i>Acronicta leporina</i>	Miller	insect - moth	03/06/2006	03/06/2008	2
<i>Autographa pulchrina</i>	Beautiful Golden Y	insect - moth	04/07/1989	05/07/1989	2
<i>Agrotis exclamationis</i>	Heart & Dart	insect - moth	05/07/1989	07/06/2012	6
<i>Autographa gamma</i>	Silver Y	insect - moth	19/08/1996	31/07/2014	7
<i>Agrotis segetum</i>	Turnip Moth	insect - moth	07/06/2012	-	1
<i>Amphipyra berbera</i>	Svensson's Copper Underwing	insect - moth	19/08/1996	-	1
<i>Amphipyra berbera subsp. berbera</i>	Svensson's Copper Underwing	insect - moth	19/08/1996	-	2
<i>Amphipyra pyramidea</i>	Copper Underwing	insect - moth	19/08/1996	-	4
<i>Amphipyra tragopoginis</i>	Mouse Moth	insect - moth	19/08/1996	-	1
<i>Apamea monoglypha</i>	Dark Arches	insect - moth	04/07/1989	31/07/2014	5
<i>Apamea ophiogramma</i>	Double Lobed	insect - moth	21/07/2006	-	1
<i>Stigmella lemniscella</i>	Red Elm Pigmy	insect - moth	29/09/2003	-	1
<i>Acronicta rumicis</i>	Knot Grass	insect - moth	04/07/1989	31/07/2014	4
<i>Chironomidae</i>	Non-biting midge	insect - true fly (Diptera)	30/06/1984	-	1
<i>Simulium trifasciatum</i>		insect - true fly (Diptera)	31/12/2002	-	1
<i>Simulium angustitarse</i>		insect - true fly (Diptera)	25/08/2000	-	1
<i>Simulium angustipes</i>		insect - true fly (Diptera)	31/12/2002	-	1
<i>Simulium vernum complex</i>		insect - true fly (Diptera)	31/12/2002	-	2
<i>Simulium ornatum complex</i>		insect - true fly (Diptera)	23/05/2001	31/12/2002	2

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<i>Anopheles claviger</i>		insect - true fly (Diptera)	30/06/1984	-	1
<i>Ceratopogonidae</i>	Mosquitos or gnats	insect - true fly (Diptera)	30/06/1984	-	1
<i>Metacnephia amphora</i>		insect - true fly (Diptera)	31/12/2002	-	1
<i>Lasioglossum (Evylaeus) albipes</i>		insect - hymenopteran	25/05/1985	05/10/1985	12
<i>Lasioglossum (Dialictus) morio</i>	Brassy Mining Bee	insect - hymenopteran	17/07/1985	06/07/2004	7
<i>Lasioglossum (Dialictus) leucopus</i>		insect - hymenopteran	26/07/1985	28/05/1990	6
<i>Hylaeus (Prosopis) confusus</i>		insect - hymenopteran	23/06/1985	25/08/1985	4
<i>Hylaeus (Prosopis) brevicornis</i>	Short Horned Yellow-Face Bee	insect - hymenopteran	30/06/1985	-	1
<i>Hylaeus (Lamdopsis) dilatatus</i>		insect - hymenopteran	04/07/1985	16/08/1985	2
<i>Hylaeus (Hylaeus) communis</i>	Common Yellow Face Bee	insect - hymenopteran	01/01/1910	28/05/1990	8
<i>Hoplitis (Alcidamea) claviventris</i>		insect - hymenopteran	23/06/1985	17/07/1985	4
<i>Lasioglossum (Evylaeus) calceatum</i>	Slender Mining Bee	insect - hymenopteran	06/05/1985	05/10/1985	16
<i>Colletes (Colletes) similis</i>		insect - hymenopteran	10/07/1985	-	1
<i>Lasioglossum (Evylaeus) punctatissimum</i>		insect - hymenopteran	25/05/1985	15/08/1986	8
<i>Chelostoma campanularum</i>	Harebell Carpenter Bee	insect - hymenopteran	25/08/1985	06/07/2004	3
<i>Halictus (Seladonia) tumulorum</i>		insect - hymenopteran	23/06/1985	24/05/1987	8
<i>Lasioglossum (Lasioglossum) lativentre</i>		insect - hymenopteran	07/08/1985	20/09/1985	4
<i>Nomada flavoguttata</i>		insect - hymenopteran	06/05/1985	24/08/1985	2
<i>Nomada flava</i>		insect - hymenopteran	07/05/1985	28/05/1990	4
<i>Nomada fabriciana</i>	Fabricius' Nomad Bee	insect - hymenopteran	28/04/1985	06/07/2004	3
<i>Melitta tricineta</i>		insect - hymenopteran	15/08/1985	-	1
<i>Megachile (Megachile) versicolor</i>		insect - hymenopteran	23/06/1985	06/07/2004	8
<i>Lasioglossum (Evylaeus) parvulum</i>		insect - hymenopteran	06/05/1985	12/09/1986	12
<i>Lasioglossum (Lasioglossum) leucozonium</i>		insect - hymenopteran	04/07/1985	24/05/1987	4
<i>Lasioglossum (Evylaeus) minutissimum</i>	Least Mining Bee	insect - hymenopteran	26/07/1985	24/05/1987	3
<i>Lasioglossum (Evylaeus) villosulum</i>	Shaggy Mining Bee	insect - hymenopteran	23/06/1985	05/09/1985	4
<i>Lasioglossum (Evylaeus) semilucens</i>		insect - hymenopteran	12/09/1985	-	1
<i>Bombus (Psithyrus) campestris</i>	Field Cuckoo Bee	insect - hymenopteran	30/06/1985	-	1
<i>Lasioglossum (Evylaeus) pauxillum</i>		insect - hymenopteran	06/07/2004	-	1
<i>Ceratina (Eucratina) cyanea</i>	Blue Carpenter Bee	insect - hymenopteran	30/06/1985	24/05/1987	8
<i>Lasioglossum (Evylaeus) nitidiusculum</i>	Neat Mining Bee	insect - hymenopteran	30/06/1985	-	1
<i>Lasioglossum (Lasioglossum) zonulum</i>		insect - hymenopteran	05/09/1985	24/05/1987	2
<i>Andrena (Taeniandrena) ovatula</i>		insect - hymenopteran	07/08/1985	-	2
<i>Nomada marshamella</i>	Marsham's Nomad Bee	insect - hymenopteran	30/05/1985	28/05/1990	3
<i>Andrena (Andrena) fulva</i>	Tawny Mining Bee	insect - hymenopteran	28/04/1985	-	2
<i>Priocnemis (Priocnemis) exaltata</i>		insect - hymenopteran	17/07/1985	12/09/1985	6
<i>Andrena (Andrena) helvola</i>		insect - hymenopteran	28/04/1985	28/05/1990	10
<i>Andrena (Cnemidandrena) denticulata</i>		insect - hymenopteran	25/07/1985	24/08/1985	10
<i>Andrena (Euandrena) bicolor</i>	Gwynne's Mining Bee	insect - hymenopteran	30/06/1985	06/07/2004	11
<i>Andrena (Hoplandrena) scotica</i>		insect - hymenopteran	28/04/1985	24/05/1987	8
<i>Andrena (Melandrena) nigroaenea</i>		insect - hymenopteran	24/05/1987	-	2
<i>Andrena (Melandrena) nitida</i>		insect - hymenopteran	28/04/1985	07/05/1985	4
<i>Andrena (Micrandrena) minutula</i>		insect - hymenopteran	28/04/1985	05/09/1985	10
<i>Andrena (Micrandrena) semilaevis</i>		insect - hymenopteran	26/07/1985	06/07/2004	9

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<i>Andrena (Micrandrena) subopaca</i>		insect - hymenopteran	01/01/1910	28/05/1990	15
<i>Bombus (Psithyrus) vestalis</i>	Vestal Cuckoo Bee	insect - hymenopteran	24/05/1987	-	1
<i>Andrena (Simandrena) congruens</i>		insect - hymenopteran	07/08/1985	-	2
<i>Bombus (Thoracobombus) ruderarius</i>	Red-shanked Carder-bee	insect - hymenopteran	17/07/1985	-	1
<i>Andrena (Taeniandrena) wilkella</i>		insect - hymenopteran	07/08/1985	-	2
<i>Andrena (Trachandrena) haemorrhoa</i>	Early Mining Bee	insect - hymenopteran	28/04/1985	-	2
<i>Andrena (Zonandrena) flavipes</i>	Yellow Legged Mining Bee	insect - hymenopteran	06/07/2004	-	1
<i>Anthidium (Anthidium) manicatum</i>	Wool-Carder Bee	insect - hymenopteran	07/08/1985	-	1
<i>Anthophora (Clisodon) furcata</i>	Fork Tailed Flower Bee	insect - hymenopteran	17/07/1985	16/08/1985	3
<i>Apis mellifera</i>	Honey Bee	insect - hymenopteran	06/07/2004	-	1
<i>Bombus (Bombus) terrestris</i>	Buff-Tailed Bumble Bee	insect - hymenopteran	29/04/1985	-	1
<i>Bombus (Megabombus) hortorum</i>	Small Garden Bumble Bee	insect - hymenopteran	10/07/1985	28/05/1990	4
<i>Bombus (Melanobombus) lapidarius</i>	Large Red Tailed Bumble Bee	insect - hymenopteran	05/08/1985	06/07/2004	4
<i>Bombus (Psithyrus) bohemicus</i>	Gipsy Cuckoo Bee	insect - hymenopteran	17/07/1985	-	1
<i>Bombus (Psithyrus) sylvestris</i>	Four Coloured Cuckoo Bee	insect - hymenopteran	28/05/1990	-	1
<i>Bombus (Pyrobombus) pratorum</i>	Early Bumble Bee	insect - hymenopteran	10/07/1985	06/07/2004	3
<i>Bombus (Thoracobombus) pascuorum</i>	Common Carder Bee	insect - hymenopteran	05/09/1985	24/05/1987	2
<i>Andrena (Notandrena) chrysosceles</i>		insect - hymenopteran	06/05/1985	31/12/1991	7
<i>Psenulus pallipes</i>	Pale Footed Black Wasp	insect - hymenopteran	04/07/1985	12/09/1985	6
<i>Anoplius (Anoplius) nigerrimus</i>		insect - hymenopteran	04/07/1985	20/09/1985	8
<i>Nomada panzeri</i>		insect - hymenopteran	06/05/1985	16/06/1985	3
<i>Trypoxylon medium</i>		insect - hymenopteran	04/07/1985	28/05/1990	7
<i>Trypoxylon clavicerum</i>	Club Horned Wood Borer Wasp	insect - hymenopteran	30/06/1985	12/09/1985	6
<i>Trypoxylon attenuatum</i>	Slender Wood Borer Wasp	insect - hymenopteran	23/06/1985	28/05/1990	11
<i>Trypoxylon figulus</i>	Black Wood Borer Wasp	insect - hymenopteran	05/09/1985	-	1
<i>Nysson dimidiatus</i>	Small Spurred Digger Wasp	insect - hymenopteran	17/07/1985	26/07/1985	2
<i>Spilomena troglodytes</i>		insect - hymenopteran	10/07/1985	05/09/1985	3
<i>Priocnemis (Priocnemis) cordivalvata</i>		insect - hymenopteran	15/08/1985	-	1
<i>Psenulus concolor</i>		insect - hymenopteran	04/07/1985	28/05/1990	4
<i>Pemphredon (Cemonus) lethifera</i>	Little Black Wasp	insect - hymenopteran	16/06/1985	-	1
<i>Pemphredon (Cemonus) inornata</i>	Shuckard's Wasp	insect - hymenopteran	24/05/1987	28/05/1990	2
<i>Passaloecus singularis</i>		insect - hymenopteran	30/06/1985	28/05/1990	4
<i>Passaloecus insignis</i>		insect - hymenopteran	20/09/1985	-	1
<i>Passaloecus corniger</i>	Horned Black Wasp	insect - hymenopteran	30/06/1985	26/07/1985	5
<i>Nysson spinosus</i>	Large Spurred Digger Wasp	insect - hymenopteran	16/06/1985	-	1
<i>Stigmus solskyi</i>		insect - hymenopteran	17/07/1985	28/05/1990	5
<i>Ancistrocerus gazella</i>		insect - hymenopteran	30/06/1985	07/08/1985	2
<i>Vespula (Vespula) rufa</i>	Red Wasp	insect - hymenopteran	28/04/1985	-	1
<i>Vespula (Paravespula) vulgaris</i>	Common Wasp	insect - hymenopteran	03/01/1996	-	1
<i>Vespula (Paravespula) germanica</i>	German Wasp	insect - hymenopteran	06/07/2004	-	1
<i>Symmorphus gracilis</i>		insect - hymenopteran	23/06/1985	28/05/1990	7
<i>Symmorphus bifasciatus</i>		insect - hymenopteran	30/08/1985	-	1
<i>Odynerus (Odynerus) melanocephalus</i>	Black-headed Mason Wasp	insect - hymenopteran	24/05/1985	-	1
<i>Microdynerus exilis</i>		insect - hymenopteran	26/07/1985	25/08/1985	2

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Evagetus crassicornis</i>		insect - hymenopteran	30/06/1985	05/09/1985	5
<i>Ancistrocerus trifasciatus</i>		insect - hymenopteran	30/06/1985	24/08/1985	4
<i>Caliadurgus fasciatellus</i>		insect - hymenopteran	23/06/1985	12/09/1985	7
<i>Tiphia minuta</i>	Small Tiphia	insect - hymenopteran	23/06/1985	28/05/1990	6
<i>Heterarthrus nemoratus</i>		insect - hymenopteran	05/07/1989	-	1
<i>Priocnemis (Umbripennis) perturbator</i>		insect - hymenopteran	06/05/1985	06/07/1985	3
<i>Priocnemis (Priocnemis) pusilla</i>		insect - hymenopteran	26/07/1985	15/08/1985	2
<i>Priocnemis (Priocnemis) hyalinata</i>		insect - hymenopteran	30/06/1985	25/08/1985	3
<i>Priocnemis (Priocnemis) fennica</i>		insect - hymenopteran	30/06/1985	05/10/1985	9
<i>Myrmosa atra</i>	Black Headed Velvet Ant	insect - hymenopteran	04/07/1985	25/08/1985	6
<i>Gymnomerus laevipes</i>		insect - hymenopteran	10/07/1985	-	1
<i>Chrysis angustula</i>		insect - hymenopteran	10/07/1985	20/09/1985	5
<i>Cerceris arenaria</i>	Sand Tailed Digger Wasp	insect - hymenopteran	30/08/1985	-	1
<i>Astata boops</i>		insect - hymenopteran	07/08/1985	-	1
<i>Argogorytes mystaceus</i>	Field Digger Wasp	insect - hymenopteran	25/05/1985	10/07/1985	5
<i>Trichrysis cyanea</i>		insect - hymenopteran	30/06/1985	28/05/1990	10
<i>Pseudomalus auratus</i>		insect - hymenopteran	04/07/1985	07/08/1985	2
<i>Omalus aeneus</i>		insect - hymenopteran	04/07/1985	17/07/1985	3
<i>Chrysis schencki</i>		insect - hymenopteran	04/07/1985	28/05/1990	2
<i>Crossocerus (Ablepharipus) podagricus</i>		insect - hymenopteran	30/06/1985	06/07/2004	8
<i>Chrysis impressa</i>		insect - hymenopteran	30/06/1985	28/05/1990	4
<i>Osmia (Chalcosmia) caerulea</i>	Blue Mason Bee	insect - hymenopteran	28/05/1990	-	1
<i>Sphecodes monilicornis</i>		insect - hymenopteran	24/08/1985	05/09/1985	2
<i>Sphecodes geoffrellus</i>		insect - hymenopteran	25/08/1985	24/05/1987	6
<i>Sphecodes ephippius</i>		insect - hymenopteran	06/05/1985	28/05/1990	4
<i>Osmia (Melanosmia) pilicornis</i>	Fringe Horned Mason Bee	insect - hymenopteran	25/05/1985	-	1
<i>Mimumesa dahlbomi</i>		insect - hymenopteran	16/06/1985	15/08/1985	7
<i>Nomada rufipes</i>	Golden-Rod Nomad Bee	insect - hymenopteran	26/07/1985	05/09/1985	3
<i>Arachnospila (Ammosphex) anceps</i>		insect - hymenopteran	23/06/1985	24/05/1987	6
<i>Chrysis mediata</i>		insect - hymenopteran	23/06/1985	28/05/1990	2
<i>Nomada ruficornis</i>	Red-Horned Nomad Bee	insect - hymenopteran	30/05/1985	-	1
<i>Crossocerus (Blepharipus) annulipes</i>		insect - hymenopteran	16/06/1985	05/10/1985	8
<i>Harpactus tumidus</i>		insect - hymenopteran	04/07/1985	05/09/1985	4
<i>Ectemnius (Metacrabro) lituratus</i>		insect - hymenopteran	30/06/1985	30/08/1985	8
<i>Ectemnius (Metacrabro) cephalotes</i>		insect - hymenopteran	30/06/1985	25/08/1985	5
<i>Ectemnius (Hypocrabro) rubicola</i>		insect - hymenopteran	26/07/1985	28/05/1990	2
<i>Ectemnius (Hypocrabro) continuus</i>		insect - hymenopteran	16/06/1985	30/08/1985	6
<i>Diodontus luperus</i>		insect - hymenopteran	05/09/1985	-	1
<i>Crossocerus (Hoplocrabro) quadrimaculatus</i>	4-Spotted Digger Wasp	insect - hymenopteran	26/07/1985	-	1
<i>Lindenius albilabris</i>		insect - hymenopteran	30/06/1985	06/07/2004	5
<i>Crossocerus (Cuphopterus) binotatus</i>		insect - hymenopteran	10/07/1985	-	1
<i>Crossocerus (Crossocerus) pusillus</i>		insect - hymenopteran	23/06/1985	05/10/1985	13
<i>Crossocerus (Crossocerus) ovalis</i>		insect - hymenopteran	23/06/1985	12/09/1985	9
<i>Crossocerus (Crossocerus) elongatulus</i>	Slender Digger Wasp	insect - hymenopteran	15/08/1985	25/08/1985	2

Latin Name	Common Name	Taxon Group	First Date	Last Date	No. of Rec's
<i>Crossocerus (Blepharipus) nigratus</i>		insect - hymenopteran	28/05/1990	-	1
<i>Crossocerus (Blepharipus) megacephalus</i>		insect - hymenopteran	30/06/1985	28/05/1990	3
<i>Crossocerus (Blepharipus) cetratus</i>		insect - hymenopteran	26/05/1985	28/05/1990	9
<i>Crossocerus (Blepharipus) capitosus</i>		insect - hymenopteran	28/05/1990	-	1
<i>Didineis lunicornis</i>		insect - hymenopteran	05/09/1985	-	1
<i>Cyprinus</i>		bony fish (Actinopterygii)	30/09/2011	-	1
<i>Triturus cristatus</i>	Great Crested Newt	amphibian	31/12/1990	29/10/2009	28
<i>Rana temporaria</i>	Common Frog	amphibian	28/06/1990	31/12/2002	14
<i>Bufo bufo</i>	Common Toad	amphibian	31/12/1992	31/12/2002	9
<i>Lissotriton vulgaris</i>	Smooth Newt	amphibian	30/06/1984	02/05/2006	12
<i>Lissotriton helveticus</i>	Palmate Newt	amphibian	31/12/1992	11/05/2006	8
<i>Zootoca vivipara</i>	Common Lizard	reptile	22/07/1993	03/07/2013	4
<i>Natrix natrix</i>	Grass Snake	reptile	29/09/1993	31/12/2002	4
<i>Anguis fragilis</i>	Slow-worm	reptile	01/01/1991	12/06/2014	28
<i>Sciurus vulgaris</i>	Eurasian Red Squirrel	terrestrial mammal	31/12/1945	-	1
<i>Plecotus auritus</i>	Brown Long-eared Bat	terrestrial mammal	17/09/1986	23/09/2012	7
<i>Sorex minutus</i>	Eurasian Pygmy Shrew	terrestrial mammal	31/12/1974	-	1
<i>Talpa europaea</i>	European Mole	terrestrial mammal	31/12/1970	07/08/2001	2
<i>Lepus europaeus</i>	Brown Hare	terrestrial mammal	31/12/1974	-	1
<i>Oryctolagus cuniculus</i>	European Rabbit	terrestrial mammal	31/12/1974	19/02/2009	3
<i>Arvicola amphibius</i>	European Water Vole	terrestrial mammal	05/06/2001	08/07/2014	5
<i>Sciurus carolinensis</i>	Eastern Grey Squirrel	terrestrial mammal	31/12/1974	-	2
<i>Vulpes vulpes</i>	Red Fox	terrestrial mammal	23/02/2001	-	1
<i>Plecotus</i>	Long-eared sp.	terrestrial mammal	13/10/2006	17/07/2012	11
<i>Micromys minutus</i>	Harvest Mouse	terrestrial mammal	01/12/1999	28/02/2001	2
<i>Pipistrellus pygmaeus</i>	Soprano Pipstrelle (55 kHz)	terrestrial mammal	14/08/2009	01/08/2014	57
<i>Pipistrellus pipistrellus</i>	Common Pipistrelle (45 kHz)	terrestrial mammal	14/08/2009	01/08/2014	52
<i>Pipistrellus</i>	Pipstrelle sp.	terrestrial mammal	21/09/1999	20/06/2013	10
<i>Nyctalus noctula</i>	Noctule Bat	terrestrial mammal	14/08/2009	23/09/2012	7
<i>Myotis nattereri</i>	Natterer's Bat	terrestrial mammal	14/08/2011	-	1
<i>Myotis mystacinus</i>	Whiskered Bat	terrestrial mammal	07/05/2009	19/07/2009	3
<i>Myotis daubentonii</i>	Daubenton's Bat	terrestrial mammal	29/07/1997	29/08/2012	8
<i>Myotis bechsteinii</i>	Bechstein's Bat	terrestrial mammal	17/04/2009	19/07/2009	13
<i>Myotis mystacinus/brandtii</i>	Whiskered/Brandt's	terrestrial mammal	14/08/2009	-	2
<i>Myotis</i>	Unidentified Bat	terrestrial mammal	14/04/2009	06/08/2012	17
<i>Eptesicus serotinus</i>	Serotine	terrestrial mammal	14/08/2009	29/08/2012	7
<i>Mustela furo x putorius</i>	Polecat-Ferret	terrestrial mammal	31/03/2006	-	1
<i>Capreolus capreolus</i>	Roe Deer	terrestrial mammal	09/12/2001	-	1
<i>Chiroptera</i>	Bat sp.	terrestrial mammal	02/05/1988	05/05/2014	20

Sussex Environmental Survey Directory

Report on behalf of Patricia Goodhew (Westbourne Parish Council) regarding land at Westbourne Parish.

Our Ref: ESD/15/391

Date: 02-Jun-15

The Sussex Environmental Survey Directory (ESD) was initiated in 1990 as a tool to report on biological surveys that had taken place in Sussex. The directory now contains information on over 2,000 surveys covering over 22,000 sites. This report details what surveys have been carried out on specific sites and directs the enquirer to where this information is held. The Record Centre does not hold copies of all the reports that it refers enquirers to, but simply directs the enquirer to organisations or individuals who do.

The directory is updated on a weekly basis and also contains summary data on the county's ornithological data, (courtesy of the Sussex Ornithological Society) and on the county's geological sites (courtesy of the Booth Museum).

Survey Name	Conservation Management for Pond Farm, Newells Lane - (3672)		
Survey Author	DOLPHIN ECOLOGICAL SURVEYS		
Survey Comment	This report cover the area of land at central grid reference SU 797064 which lies to the south of the main A27 road and to the west of Newells Lane near the village of Hambrook, in West Sussex.		
Date	August 2000		
Site Name	Pond Farm, Newells Lane	SU797064	
Site Comment	The site comprises part of the Newells Ponds SNCI and is located to the south of the A27 between Havant and Chichester, to the west of Newells Lane.		
Copies Available	SxBRC Digital		

Survey Name	Ecological Management Plan Woodlands, Drift Lane, Bosham - (3673)		
Survey Author	LINDSAY CARRINGTON ECOLOGICAL SERVICES		
Survey Comment	The site at woodlands, Bosham is located in West Sussex.This report was comissioned on behalf og Tim Doran to prepare this detailed Ecological Management Plan for Woodlands, Drift lane, Bosham. This is to form part of the mitigation package in support of their planning application.		
Date	December 2009		
Site Name	'Woodlands', Drift Lane, Bosham	SU794063	
Site Comment	A residential property set in grounds of two fields. The site is in an agricultural area with the main A27 running to the the north east one field away.		
Copies Available	SxBRC Digital		

Survey Name	Chamomile - Current Distribution Survey - (6)		
Survey Author	WINSHIP, Heather		
Survey Comment	A paper detailing all known sites for Chamomile in Britain along with details of its ecology, cause for decline, conservation requirements and opportunities.		
Date	1993		
Site Name	Chichester Pub Field, Silverlock Place, Westbourne	SU758083	
Site Comment	Chamomile recorded here in 1993		
Copies Available	WSCC		

Survey Name	Marlpit Bird Survey - (119)		
Survey Author	FELLOWS, Brian. J.		
Survey Comment	This gives brief details of breeding birds found on the site. The site was visited twice weekly between April and June. Numbers of pairs of breeding birds are not recorded.		
Date	4.92 - 7.92		
Site Name	Marlpit Tip (Jubilee Wood & Hambrook Gravel Pits)	SU784080	
Site Comment	The northern part of the site is an old gravel pit now used as an infill tip. The southern part is rough grassland with some woodland.		
Copies Available	WSCC		

Survey Name	Aldsworth Pond Area - BTO Site Survey - (149)		
Survey Author	HILL, L. A., BRAY, S.		
Survey Comment	A BTO register of ornithological sites survey. It is a detailed survey of the breeding birds with passage migrants and wintering birds dealt with in less detail. (The recorders will continue taking detailed notes of the birds in the study area).		
Date	4.76-8.76		
Site Name	Aldsworth Pond Area, Westbourne	SU760087	
Site Comment	Woodland, grassland and open water. This site is among the best ares for breeding birds in West Sussex. Site contains SNCI C2, C22, C85, C86 and part of C24.		
Copies Available	WSCC		

Survey Name	Sindles Farm Botanical Survey - (174)		
Survey Author	SUTTON, Julian		
Survey Comment	A detailed survey of Sindle's Farm with descriptions of it and species lists for all of the micro-habitats and photographs of them. This is part two of the whole Sindle's Farm Study and it has two appendices as separate documents. (Phase II)		
Date	7.85		
Site Name	Sindle's Farm	SU772096	
Site Comment	A farm with mostly arable fields and some woodland, wetland, streams, ponds, wasteground areas, hedgerows and pastureland. There are a number of rare plants associated with the ponds and wetland areas. Site contains SNCI C19		
Copies Available	WSCC		

Survey Name	Hams Copse Survey - (179)		
Survey Author	GRIFFITHS, Ann		
Survey Comment	A completed detailed record card for vegetation.		
Date	3.9.76		
Site Name	Hams Copse - SNCI C19	SU770096	
Site Comment	An ancient woodland with rich flora and insect fauna, actively managed as coppice. Dense hazel coppice with much Bramble between the coppice stools.		
Copies Available	WSCC		

Survey Name		Long Term Monitoring in West Sussex Woods 2 - (219)
Survey Author	DOLPHIN ECOLOGICAL SURVEYS	
Survey Comment	The second survey, in this long term monitoring of woods, to assess how the woods respond to natural disturbance. (See survey No. 570 for the initial survey). (Phase III)	
Date	6.93	
Site Name	Hams Copse - SNCI C19	SU770096
Site Comment	An ancient woodland with rich flora and insect fauna, actively managed as coppice. Dense hazel coppice with much Bramble between the coppice stools.	
Copies Available	WSCC, As contact	

Survey Name		Storm Damage Clearance in West Sussex - (221)
Survey Author	ROBERTS, Graham	
Survey Comment	Surveys of several woods noting the general species composition of the woods and the effects of storm damage. It is a bound report and gives management suggestions.	
Date	4.89, 10.89	
Site Name	Devils Copse	SU780072
Site Comment	Area - 3 ha. A small ancient wood. It is a derelict Hazel coppice with mainly Oak standards. Many of the Oaks have been taken out during storm damage clearance. It has a rich ground flora.	
Copies Available	WSCC	

Survey Name		Storm Damage Clearance in West Sussex - (221)
Survey Author	ROBERTS, Graham	
Survey Comment	Surveys of several woods noting the general species composition of the woods and the effects of storm damage. It is a bound report and gives management suggestions.	
Date	4.89, 10.89	
Site Name	Ractonpark Wood	SU780085
Site Comment	An area of ancient woodland that was damaged in the 1987 storm and consequently much of it has been clear felled.	
Copies Available	WSCC	

Survey Name		Sindles Farm Hedges Survey - (222)
Survey Author	GRIFFITHS, Ann	
Survey Comment	Two hedgerow record sheets. (Phase II)	
Date	9.76	
Site Name	Sindle's Farm Hedgerow 2.	SU767098
Site Comment	A hedgerow.	
Copies Available	WSCC	

Survey Name		Sindles Farm Hedges Survey - (222)
Survey Author	GRIFFITHS, Ann	
Survey Comment	Two hedgerow record sheets. (Phase II)	
Date	9.76	
Site Name	Sindle's Farm Hedgerow 1.	SU766099
Site Comment	A hedgerow.	
Copies Available	WSCC	

Survey Name		Sindles Farm Wood - (223)
Survey Author	GRIFFITHS, Ann	
Survey Comment	A woodland survey recording card only. (Phase II)	
Date	3.9.76	
Site Name	Sindle's Farm Copse	SU768091
Site Comment	Woodland and scrub.	
Copies Available	WSCC	

Survey Name		Biological Survey of Common Land in West Sussex - (325)
Survey Author	FINCH, Marion, FRANCIS, Ian	
Survey Comment	A detailed survey that included management prescriptions and also historical interest of sites. Some casual observations of other groups included. This is part of the NCC survey of Common Land in England and Wales. The report is in two parts: one is a summary of the findings and the other is a copy of all of the record cards. [SxBRC copy held in box H4b].	
Date	1989-1991	
Site Name	Three Corner Piece - CL182	SU759090
Site Comment	A small area of sweet chestnut and hazel coppice bordered by roads 1.5km north of Westbourne.	
Copies Available	EN, SxBRC Boxes, WSCC	

Survey Name	Breeding Birds of Aldsworth Pond Survey - (378)		
Survey Author	BRAY, S.		
Survey Comment	A survey of breeding birds of Aldsworth Pond containing a detailed report including BTO 'Register of Ornithological Sites' and details of landscape, water features and annotated list of breeding birds.		
Date	4.74-8.76		
Site Name	Aldsworth Pond & Watercress Beds	SU763090	
Site Comment	One of the best site for breeding birds in West Sussex. Includes main part of SNCI C2. Woodland, scrub and open water.		
Copies Available	WSCC		

Survey Name	Invertebrate Site Register - (480)		
Survey Author	WILLING, Martin J, PARSONS, M.		
Survey Comment	The Invertebrate Site Register is a document listing sites which are important for invertebrates. It is regularly updated and revised. Information for each site usually includes a site description, the main invertebrate interest and some general comments. This is a collation of information from a variety of sources. (Phase II)		
Date	-		
Site Name	Southleigh Forest (Woodberry Lane Area) ISR Site	SU750090	
Site Comment	Primary oak woodland ISR - April '86		
Copies Available	EN		

Survey Name	Designated SNCIs (in West Sussex) - (500)		
Survey Author	WSCC		
Survey Comment	All SNCIs in West Sussex are covered here. All sites have management prescriptions. Each site was surveyed botanically, but additional information on other groups is included where known. (A hand-book 'West Sussex Sites of Nature Conservation Importance' has been produced). (Phase II). In 1998 a further 26 new sites were added. In 2001 a further 23 new sites were added and 1 deleted. [NB: a number of additional sites are also included which are not designated, but which were presumably considered for designation at some stage, or which were at some time designated but which have since be deselected].		
Date	1990-		
Site Name	Aldsworth Pond & Meadows - SNCI C2	SU763088	
Site Comment	A large pond and surrounding meadows. The pond is of considerable importance for it's breeding waterfowl and large numbers of dragonfly.		
Copies Available	EN, SWT, WSCC		

Survey Name		Designated SNCIs (in West Sussex) - (500)
Survey Author	WSCC	
Survey Comment	All SNCIs in West Sussex are covered here. All sites have management prescriptions. Each site was surveyed botanically, but additional information on other groups is included where known. (A hand-book 'West Sussex Sites of Nature Conservation Importance' has been produced). (Phase II). In 1998 a further 26 new sites were added. In 2001 a further 23 new sites were added and 1 deleted. [NB: a number of additional sites are also included which are not designated, but which were presumably considered for designation at some stage, or which were at some time designated but which have since be deselected].	
Date	1990-	
Site Name	Newells Lane Pond & Meadows - SNCI C8	SU797064
Site Comment	This area including several grazed meadows, a large pond and scrub.	
Copies Available	EN, SWT, WSCC	

Survey Name		Designated SNCIs (in West Sussex) - (500)
Survey Author	WSCC	
Survey Comment	All SNCIs in West Sussex are covered here. All sites have management prescriptions. Each site was surveyed botanically, but additional information on other groups is included where known. (A hand-book 'West Sussex Sites of Nature Conservation Importance' has been produced). (Phase II). In 1998 a further 26 new sites were added. In 2001 a further 23 new sites were added and 1 deleted. [NB: a number of additional sites are also included which are not designated, but which were presumably considered for designation at some stage, or which were at some time designated but which have since be deselected].	
Date	1990-	
Site Name	Hams Copse - SNCI C19	SU770096
Site Comment	An ancient woodland with rich flora and insect fauna, actively managed as coppice. Dense hazel coppice with much Bramble between the coppice stools.	
Copies Available	EN, SWT, WSCC	

Survey Name		Designated SNCIs (in West Sussex) - (500)
Survey Author	WSCC	
Survey Comment	All SNCIs in West Sussex are covered here. All sites have management prescriptions. Each site was surveyed botanically, but additional information on other groups is included where known. (A hand-book 'West Sussex Sites of Nature Conservation Importance' has been produced). (Phase II). In 1998 a further 26 new sites were added. In 2001 a further 23 new sites were added and 1 deleted. [NB: a number of additional sites are also included which are not designated, but which were presumably considered for designation at some stage, or which were at some time designated but which have since be deselected].	
Date	1990-	
Site Name	River Ems & Meadows - SNCI C22	SU764079
Site Comment	This site includes a section of the river Ems which is an unpolluted, clear, gently-flowing chalk stream and the adjacent meadows, which are semi-improved.	
Copies Available	EN, SWT, WSCC	

Survey Name		Designated SNCIs (in West Sussex) - (500)
Survey Author	WSCC	
Survey Comment	All SNCIs in West Sussex are covered here. All sites have management prescriptions. Each site was surveyed botanically, but additional information on other groups is included where known. (A hand-book 'West Sussex Sites of Nature Conservation Importance' has been produced). (Phase II). In 1998 a further 26 new sites were added. In 2001 a further 23 new sites were added and 1 deleted. [NB: a number of additional sites are also included which are not designated, but which were presumably considered for designation at some stage, or which were at some time designated but which have since be deselected].	
Date	1990-	
Site Name	Cricket Ground & Meadows, Westbourne - SNCI C85	SU757084
Site Comment	A horse-grazed pasture; a cricket ground and the edge of a football pitch. They contain a community of plants scarce in Sussex including a nationally rare one.	
Copies Available	EN, SWT, WSCC	

Survey Name		Designated SNCIs (in West Sussex) - (500)
Survey Author	WSCC	
Survey Comment	All SNCIs in West Sussex are covered here. All sites have management prescriptions. Each site was surveyed botanically, but additional information on other groups is included where known. (A hand-book 'West Sussex Sites of Nature Conservation Importance' has been produced). (Phase II). In 1998 a further 26 new sites were added. In 2001 a further 23 new sites were added and 1 deleted. [NB: a number of additional sites are also included which are not designated, but which were presumably considered for designation at some stage, or which were at some time designated but which have since be deselected].	
Date	1990-	
Site Name	Brickkiln Ponds & Meadow, Stansted - SNCI C86	SU757093
Site Comment	Two large ponds; a rough unimproved meadow; scrub and woodland. The ponds hold very large numbers of breeding amphibians.	
Copies Available	EN, SWT, WSCC	

Survey Name		Wintering Waterfowl Count Scheme - (506)
Survey Author	Various	
Survey Comment	WWT covers inland sites and some coastal areas and sites are counted for waterfowl, rails, herons and Kingfishers every month over the winter. A summary of the results combined with BTO's Estuary counts are published in "Wildfowl and Wetland Counts" each year. Information on sites can be obtained via the above contact.	
Date	various	
Site Name	Aldsworth Pond & Meadows - SNCI C2	SU763088
Site Comment	A large pond and surrounding meadows. The pond is of considerable importance for it's breeding waterfowl and large numbers of dragonfly.	
Copies Available	As contact	

Survey Name	Long Term Monitoring in West Sussex Woods - (570)		
Survey Author	ROBERTS, Graham		
Survey Comment	A study to assess how woodlands respond to natural disturbances such as the 1987 storm and how the woodland structure changed due to the storm. Permanent sampling points were set up to monitor any changes in the woods over time and details of the vegetation were taken. The survey is ongoing. (At SxWT it is held in the 1987 Storm Archive box no. 1). (Phase III)		
Date	4.89-		
Site Name	Hams Copse - SNCI C19	SU770096	
Site Comment	An ancient woodland with rich flora and insect fauna, actively managed as coppice. Dense hazel coppice with much Bramble between the coppice stools.		
Copies Available	EN, WSCC		
Survey Name	Survey of Unimproved Grassland in West Sussex (Vol 2) - (618)		
Survey Author	ALLWRIGHT, R.		
Survey Comment	These sites were surveyed, classified and a grassland recording card filled out. These original results on each site are not included in the final published report. Details of four sites in E Sussex that were also surveyed are also in the same box in a separate envelope. (At EN they are in the W Sussex Grassland Survey box in the library). (Phase II). [SxBRC copy held in H7a box].		
Date	6.88-8.88		
Site Name	Pond Cottage Grassland, Brick Kiln Meadows	SU757093	
Site Comment	A small damp area of neglected grassland with some sedge swamps.Very species-rich in parts.		
Copies Available	EN, SxBRC Boxes, WSCC		
Survey Name	Survey of Unimproved Grassland in West Sussex (Vol 2) - (618)		
Survey Author	ALLWRIGHT, R.		
Survey Comment	These sites were surveyed, classified and a grassland recording card filled out. These original results on each site are not included in the final published report. Details of four sites in E Sussex that were also surveyed are also in the same box in a separate envelope. (At EN they are in the W Sussex Grassland Survey box in the library). (Phase II). [SxBRC copy held in H7a box].		
Date	6.88-8.88		
Site Name	Sindle's Farm Pastures, Aldsworth Meadows	SU764088	
Site Comment	A small area of semi-improved pasture and rush pasture adjacent to old cress beds.It is of no particular conservation significance.		
Copies Available	EN, SxBRC Boxes, WSCC		

Survey Name		Survey of Unimproved Grassland in West Sussex (Vol 2) - (618)
Survey Author	ALLWRIGHT, R.	
Survey Comment	These sites were surveyed, classified and a grassland recording card filled out. These original results on each site are not included in the final published report. Details of four sites in E Sussex that were also surveyed are also in the same box in a separate envelope. (At EN they are in the W Sussex Grassland Survey box in the library). (Phase II). [SxBRC copy held in H7a box].	
Date	6.88-8.88	
Site Name	Pasture N of Foxbury Lane, Westbourne	SU767081
Site Comment	A small area of semi-improved pasture;badly poached by cattle and of no significant interest.	
Copies Available	EN, SxBRC Boxes, WSCC	

Survey Name		Survey of Unimproved Grassland in West Sussex (Vol 2) - (618)
Survey Author	ALLWRIGHT, R.	
Survey Comment	These sites were surveyed, classified and a grassland recording card filled out. These original results on each site are not included in the final published report. Details of four sites in E Sussex that were also surveyed are also in the same box in a separate envelope. (At EN they are in the W Sussex Grassland Survey box in the library). (Phase II). [SxBRC copy held in H7a box].	
Date	6.88-8.88	
Site Name	Meadows W of Newells Lane, Hambrook	SU796065
Site Comment	An interesting area of grassland which frequently floods in part each winter.Some is very old;lightly grazed pasture.	
Copies Available	EN, SxBRC Boxes, WSCC	

Survey Name		WSCC Areas of Nature Conservation Value - (700)
Survey Author	GRIFFITHS, Ann	
Survey Comment	Brief descriptions of areas of conservation value. Records habitats present and selected species lists - mostly botanical with casual records of other groups. (Phase I)	
Date	1970-1980	
Site Name	Sindle's Farm	SU772096
Site Comment	A farm with mostly arable fields and some woodland, wetland, streams, ponds, wasteground areas, hedgerows and pastureland. There are a number of rare plants associated with the ponds and wetland areas. Site contains SNCI C19	
Copies Available	WSCC	

Survey Name		Lepidoptera of Sindles Farm - (793)
Survey Author	BIOSCAN	
Survey Comment	Species lists are given and notes on the rarer moths. The moths and butterflies were recorded on six site visits, three during the day and the night. (Phase II)	
Date	8.85-7.86	
Site Name	Sindle's Farm	SU772096
Site Comment	A farm with mostly arable fields and some woodland, wetland, streams, ponds, wasteground areas, hedgerows and pastureland. There are a number of rare plants associated with the ponds and wetland areas. Site contains SNCI C19	
Copies Available	WSCC	

Survey Name		Toad Crossings in Sussex - (913)
Survey Author	Various	
Survey Comment	Survey of all the major sites where toads cross roads on their way to spawning grounds in spring. Each site has its own contact person and they are listed with their phone number on the sheet at WSCC which is taken from a SARG newsletter.	
Date	-	
Site Name	Newells Lane A27 Toad Crossing, E of Hambrook	SU798064
Site Comment	A toad crossing.	
Copies Available	WSCC, EN/SSSI/SCI	

Survey Name		Toad Crossings in Sussex - (913)
Survey Author	Various	
Survey Comment	Survey of all the major sites where toads cross roads on their way to spawning grounds in spring. Each site has its own contact person and they are listed with their phone number on the sheet at WSCC which is taken from a SARG newsletter.	
Date	-	
Site Name	Toad Crossing: Brickkiln Ponds, Stansted/Three Corner Piece	SU757092
Site Comment	A toad crossing.	
Copies Available	WSCC, EN/SSSI/SCI	

Survey Name	Sussex Churchyard Survey - (916)		
Survey Author	DONOVAN, Pat		
Survey Comment	Botanical survey of most of the churchyards in Sussex. The majority will have just a species list, but the ones with ecological significance have more detail. (Phase II). NB: Results held at SxBRC for some of sites covered (with details for each site filed according to grid squares), including ESD site nos. 841[TQ33], 1370 [TQ32], 4470 [TQ32], 4341 [SU90]., 4382 [TQ01]. [SxBRC also holds documents in BRC box H2b].		
Date	1980-		
Site Name	St John's the Baptist Churchyard, Westbourne	SU756073	
Site Comment	50 Species recorded.		
Copies Available	As contact, SxBRC File Cabs, SxBRC Boxes		

Survey Name	Chalk Grassland on Western South Downs - (926)		
Survey Author	MARR, Mr		
Survey Comment	A survey of all areas of chalk grassland on the South Downs between the river Arun and easting 700 in Hampshire. No detailed site maps are available so the sites are simply circles around central grid references. For each site physical aspects, presence and type of grazing, land use, plant and butterfly species of interest and general comments are given. No complete species lists are given. (Phase II)		
Date	1981-1982		
Site Name	Racton Monument Covered Reservoir, nr Lordington Park	SU776095	
Site Comment	Built in 1970. This covered reservoir had no chalk grassland indicator species in 1982.		
Copies Available	WSCC		

Survey Name	Herpetological Site Atlas for Sussex - (957)		
Survey Author	DEY, Dennis et al		
Survey Comment	An atlas showing distribution, in East and West Sussex, of reptiles and amphibians. Information on each species is displayed on 1km square grid maps for each county. Distribution of assemblages of species are also shown in the same format. Specific sites are prioritised as significant for amphibians and sites supporting Great Crested Newts are listed for both counties. (Phase II). [SxBRC copy held in box E6].		
Date	1993		
Site Name	Newells Lane Herpetological Site (Pre- A27), Funtington	SU798064	
Site Comment	Great Crested Newt site. Identified as priority site for amphibians. Now destroyed through local road building.		
Copies Available	SxBRC Boxes		

Survey Name	Survey of the Land Between Lumley Rd & Orchard Lane, Emsworth - Preliminary Survey - (1131)		
Survey Author	CHRIS BLANDFORD ASSOC.		
Survey Comment	A preliminary desk top survey and detailed phase one. Detailed surveys for badger and dormouse were undertaken. The survey was done for Seaward Homes Ltd. (Phase I)		
Date	3.99		
Site Name	Land between Lumley Rd & Orchard Lane, Hermitage Area, Emsworth	SU753060	
Site Comment	A small area of grassland and scrub surrounded by trees. Signs of badgers but none recent. Area proposed for development April 1999. (see also site 1958 - Peter Pond and Slipper Pond)		
Copies Available	WSCC		
Survey Name	Survey of a Woodland Fragment at Woodmancote, Westbourne - (1160)		
Survey Author	GRIFFITHS, Ann		
Survey Comment	A survey of a woodland fragment at Woodmancote (which is not a true ancient woodland). Noted were the Hazel coppice and ground flora. It was determined that this site merits further investigation.(Phase II)		
Date	1.5.98		
Site Name	Woodland Fragment & Gravel Pits, Woodmancote	SU780079	
Site Comment	Hazel coppice - attractive ground flora of bluebells.		
Copies Available	WSCC		
Survey Name	Survey of Sites for Natterjack Toad & Common Frog - (1177)		
Survey Author	HITCHINGS, S. P.		
Survey Comment	A survey of 5 sites in Sussex, recording the abundance & genetic diversity of Natterjack Toads (Bufo bufo) & Common Frog (Rana temporaria). D. Phil thesis of Susan Hitchings. NB: no maps provided for exact locations surveyed, so survey often linked to most appropriate/likely existing sites, or sites of generalised area thought to have been surveyed. (Offham Marshes site constituted "a small complex of ditches in NW corner of SSSI" but no grid refs or map provided, so survey linked to whole of SSSI. Pevensey Levels survey area known to cover at least parts of SSSI, NNR & SWT reserve, so survey linked to main SSSI. Broadstone Farm contains many ponds, but again no exact survey details available, so site created for area encompassing many ponds).		
Date	1993-94		
Site Name	Brickkiln Ponds, Stansted Park	SU757092	
Site Comment	A very private site on a large estate. No casual visiting. Perhaps the best site in Sussex for Common Frog (Rana temporaria), and also a major site for Natterjack Toad (Bufo bufo).		
Copies Available	As contact, SxBRC Digital		

Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Lumley Croft, Section 5		SU755071
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		
Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Brook Cottages, Section 6		SU754066
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		
Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Hampshire Farm, Section 7		SU755075
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		

Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Westbourne, Section 8		SU758079
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		
Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Commonside, Section 9		SU759082
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		
Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Westbourne School, Section 10		SU764079
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		

Survey Name	Chichester Rifes Catchment RCS Survey - (2113)		
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Racton Park Dell, Section 11	SU768081	
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		

Survey Name	Chichester Rifes Catchment RCS Survey - (2113)		
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Riverside Cottages, Section 12	SU770085	
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		

Survey Name	Chichester Rifes Catchment RCS Survey - (2113)		
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Broadwash Bridge, Section 13	SU774086	
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		

Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Ell Bridge, Section 14		SU778089
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		
Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Queen Street, Section 1		SU750061
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		
Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Seagull Lane, Section 2		SU752064
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		

Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, A27, Section 3		SU753068
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		
Survey Name		Chichester Rifes Catchment RCS Survey - (2113)	
Survey Author	LEE DONALD ASSOCIATES		
Survey Comment	A River Corridor Survey of the Chichester Rifes Catchment. The catchment is split into 500m sections, each section is treated as a discrete site. Only macrophyte (large aquatic plants)communities are described in detail. DAFOR scale is used to describe abundance. Detailed OS and handrawn maps. Bank profiles and vegetation structure are visually presented.		
Date	Feb 1996		
Site Name	River Ems, Hampshire Farm, Section 4		SU754073
Site Comment	500m stretch of the main river was surveyed listing macrophytes and noting profiles. Management recomendations also given.		
Copies Available	EA, SxBRC Archive		
Survey Name		Biodiversity Audit of West Sussex Mineral Sites - (1516)	
Survey Author	RYLAND, Kate		
Survey Comment	Data collation exercise to assess biodiversity and earth science interest of 58 mineral sites. Gives current status of each site and suggests future programme of site visits and surveys.		
Date	-		
Site Name	Hambrook Gravel Pit TPA - CH42		SU785080
Site Comment	Landfill site restored to mixed woodland 1999. Low current ecological interest.		
Copies Available	WSCC		

Survey Name		Biodiversity Audit of West Sussex Mineral Sites - (1516)
Survey Author	RYLAND, Kate	
Survey Comment	Data collation exercise to assess biodiversity and earth science interest of 58 mineral sites. Gives current status of each site and suggests future programme of site visits and surveys.	
Date	-	
Site Name	Hambrook West Gravel Pit TPA - CH43	SU781080
Site Comment	Dormant in 2000 - almost worked out. Restoration to agriculture unsuccessful. Of low current ecological interest.	
Copies Available	WSCC	

Survey Name		Biodiversity Audit of West Sussex Mineral Sites - (1516)
Survey Author	RYLAND, Kate	
Survey Comment	Data collation exercise to assess biodiversity and earth science interest of 58 mineral sites. Gives current status of each site and suggests future programme of site visits and surveys.	
Date	-	
Site Name	Little Hambrook Farm Gravel Pit TPA, Westbourne - CH44	SU777082
Site Comment	Dormant in 2000 - almost worked out. Restoration to agriculture unsuccessful. Of low current ecological interest.	
Copies Available	WSCC	

Survey Name		Biodiversity Audit of West Sussex Mineral Sites - (1516)
Survey Author	RYLAND, Kate	
Survey Comment	Data collation exercise to assess biodiversity and earth science interest of 58 mineral sites. Gives current status of each site and suggests future programme of site visits and surveys.	
Date	-	
Site Name	Hambrook Grange Gravel Pit TPA, Funtington - CH45	SU788079
Site Comment	Restored to woodland. Of low current ecological interest.	
Copies Available	WSCC	

Survey Name		Biodiversity Audit of West Sussex Mineral Sites - (1516)
Survey Author	RYLAND, Kate	
Survey Comment	Data collation exercise to assess biodiversity and earth science interest of 58 mineral sites. Gives current status of each site and suggests future programme of site visits and surveys.	
Date	-	
Site Name	Jubilee Wood Gravel Pit TPA - CH50	SU784076
Site Comment	Part landfilled and poorly restored. Remainder dormant. Restoration not agreed.	
Copies Available	WSCC	

Survey Name		EA National Fisheries Monitoring Programme: Fisheries Reports - (2786)
Survey Author	ENVIRONMENT AGENCY	
Survey Comment	The National Fisheries Monitoring Programme (NFMP) was designed by the Agency to identify spatial and temporal trends and patterns in fish populations at a local and national level. The Sussex Area Ecological Appraisal Team have undertaken a programme of riverine fish population surveys to establish baseline data for each major watercourse in the Sussex area in line with the National Programme. 100m or 150m sections of river were sampled by either a single-catch or a 3-catch depletion using standard electric fishing techniques. Fisheries Reports (drawing upon data from as far back as approximately 1984) for each river provide info on species composition, population dynamics, biomass for each species, total fish biomass, length-weight relationship for each species, and length-age relationship for species of angling importance. 2005 Reports cover the rivers Arun, Adur, Cuckmere, Ouse, Rother, and Pevensey Levels.	
Date	various	
Site Name	Cut Mill Stream (Newells Lane EA Sample Site)	SU799063
Site Comment	Section of stream electrofished by the Environment Agency.	
Copies Available	EA, SxBRC Archive	

Survey Name		EA National Fisheries Monitoring Programme: Fisheries Reports - (2786)
Survey Author	ENVIRONMENT AGENCY	
Survey Comment	The National Fisheries Monitoring Programme (NFMP) was designed by the Agency to identify spatial and temporal trends and patterns in fish populations at a local and national level. The Sussex Area Ecological Appraisal Team have undertaken a programme of riverine fish population surveys to establish baseline data for each major watercourse in the Sussex area in line with the National Programme. 100m or 150m sections of river were sampled by either a single-catch or a 3-catch depletion using standard electric fishing techniques. Fisheries Reports (drawing upon data from as far back as approximately 1984) for each river provide info on species composition, population dynamics, biomass for each species, total fish biomass, length-weight relationship for each species, and length-age relationship for species of angling importance. 2005 Reports cover the rivers Arun, Adur, Cuckmere, Ouse, Rother, and Pevensey Levels.	
Date	various	
Site Name	River Ems (Westbourne EA Sample Site)	SU758079
Site Comment	Section of river or stream electrofished by EA.	
Copies Available	EA, SxBRC Archive	

Glossary of Abbreviations

Organisations:

BBCS	British Butterfly Conservation Society (now Butterfly Conservation)	www.sussex-butterflies.org.uk
BMONH	Booth Museum of Natural History	Tel: 03000 290900
BSBI	Botanical Society of the British Isles	www.bsbi.org.uk
BTO	British Trust for Ornithology	Tel: 01842 750050
EA	Environment Agency	Tel: 08708 506506 (Southern Regional Office)
EN	English Nature (now Natural England)	Tel: 03000 600 300 (Sussex Team)
ESCC	East Sussex County Council	Tel: 01273 481621 (County Ecologist)
FC	Forestry Commission	Tel: 01420 23337 (SE England)
FWAG	Farming and Wildlife Advisory Group	Tel: 01273 891190 (Sussex Area)
NCC	Nature Conservancy Council (now NE)	Contact NE
NE	Natural England	Tel: 03000 600 300 (Sussex Team)
NRA	National Rivers Authority (now EA)	Contact EA
NT	National Trust	Tel: 01372 453401 (South East Office)
RSPB	Royal Society for the Protection of Birds	Tel: 01273 775333 (SE Regional Office)
SBRS	Sussex Botanical Recording Society	www.sussexflora.org.uk
SOS	Sussex Ornithological Society	www.sos.org.uk
SxBRC	Sussex Biodiversity Record Centre	Tel: 01273 497521
SxWT/SWT	Sussex Wildlife Trust	Tel: 01273 492630
WSCC	West Sussex County Council	Tel: 01243 756691 (County Ecologist)

Designations

AONB	Area of Outstanding Natural Beauty
COGS	County Geological/Geomorphological Site
LNR	Local Nature Reserve
NNR	National Nature Reserve
NP	National Park
RAMSAR	RAMSAR (internationally important wetlands)
RIGS	Regionally Important Geological/Geomorphological Site
SAC	Special Area of Conservation
SNCI	Site of Nature Conservation Importance
SPA	Special Protection Area
SSSI	Site of Special Scientific Interest

Surveys:

Phase I	A broad habitat survey with a dominant species list and land use information.
Phase II	Mapping of vegetation communities with species lists and abundance/distribution.
Phase III	A detailed survey including ecological processes and long term monitoring information.
NVC	National Vegetation Classification.

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 SINC (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:	Aldsworth Pond & Meadows		
Site Ref:	C02	Owner:	Private
District:	Chichester	Size ha:	6.6
Parish:	Westbourne	Date:	Identified May 1992
National Grid Ref:	SU763088	Author:	Graham Roberts
Habitat:	Pond, neutral grassland and river		

Summary

Aldsworth Pond is of considerable ornithological importance, particularly for breeding waterfowl. It also supports large numbers of dragonflies and at least two species of amphibian. The English Elms near the pond support a colony of the very localised White-letter Hairstreak butterfly. The two meadows are of moderate botanical interest.

Site description

Aldsworth Pond is a large, shallow, spring-fed pond which unfortunately has dried-up in recent droughts. By late summer much of the water is usually covered by emergent vegetation, particularly Water Mint *Mentha aquatica*. Little Grebe, Tufted Duck, Moorhen, Coot, Mallard, Canada Goose and Mute Swan breed most years. Notably Gadwall and Shelduck have also bred successfully. Breeding dragonflies include Emperor Dragonfly, Common Darter, Ruddy Darter and Emerald, Azure, Common Blue and Blue-tailed Damselflies. The Emerald Damselfly has a localised distribution in the County, the population at this site being particularly large. Common Frog and Common Toad both breed.

The two horse and cattle-grazed meadows have Southern Marsh-orchid *Dactylorhiza praetermissa*, Ragged Robin *Lychnis flos-cuculi*, Marsh Ragwort *Senecio aquaticus*, Meadowsweet *Filipendula ulmaria*, Common Spike-rush *Eleocharis palustris*, Common Fleabane *Pulicaria dysenterica* and Yellow Flag *Iris pseudacorus*. Many species of butterfly have been observed nectaring in these meadows, including Essex Skipper, Large Skipper, White-letter Hairstreak, Small Copper, Gatekeeper, Wall Brown, Meadow Brown, Peacock and Red Admiral. Moth trapping in the meadow east of the pond has produced large numbers of species, Lappet and Dusky Brocade being of note.

Management recommendations

The meadows should continue to be managed by grazing and without fertiliser application. Special regard should be to the young Elm trees since they are the larval foodplant of the rare White-letter Hairstreak.

SITE OF NATURE CONSERVATION IMPORTANCE (SNCI)

West Sussex

Site Name:	Hams Copse		
Site Ref:	C19	Owner:	Private
District:	Chichester	Size ha:	4.3
Parish:	Stoughton	Date:	Identified May 1992
National Grid Ref:	SU770096	Author:	Graham Roberts
Habitat:	Semi-natural woodland		

Summary

Although small, this ancient semi-natural woodland has a rich flora and insect fauna. It is actively managed as coppice-with-standards, a traditional management technique which is seldom practiced today. The notable insect life is probably a result of this management, combined with the warm, sheltered location and the diverse flora.

Site description

Hams Copse lies on the Upper Chalk, which in places is capped by a thin layer of clay-with-flints. Consequently the flora is diverse and consists of species typical of both calcareous and mildly acidic soils.

Pedunculate Oak and Ash form the dominant standards with occasional Cherry and Field Maple. The understorey consists mainly of Hazel. Birch regeneration is abundant in areas of young coppice.

The rich ground flora includes species typical of ancient woodlands such as Bluebell *Hyacinthoides non-scripta*, Yellow Archangel *Lamium galeobdolon*, Butcher's-broom *Ruscus aculeatus* and Wood Spurge *Euphorbia amygdaloides*.

This site has received much attention from ecologists. Permanent plots have been established to monitor the long-term ecological effects of the 1987 storm. Breeding birds have been recorded using the Common Bird Census technique.

Further studies have also been made of the insects, including the use of mercury vapour moth traps at night. Many species have been recorded, including the localised Pretty Chalk Carpet, Small Angle Shades, Small Rivulet and Lobster Moth. Two other groups of insects have been fairly intensively recorded, the bees and wasps *Hymenoptera aculeata* and hoverflies *Diptera*. Over a fifth of the British species of aculeates have been recorded, with a large proportion of dead wood nesting species. Those found include two rare Red Data Book 3 and eight notable species. Within the hoverflies about a quarter of the British species have been recorded, including four scarce species.

Management recommendations

The coppice-with-standards structure should be maintained, with the woodland managed on a compartment basis. The Hazel should continue to be coppiced on rotation with selective thinning of standards. Following coppicing, Birch regeneration may need to be controlled to prevent shading of the young Hazel. It is important to retain some old, dead and dying trees for dead wood invertebrates.

SITE OF NATURE CONSERVATION IMPORTANCE (SNCI)

West Sussex

Site Name:	River Ems & Meadows		
Site Ref:	C22	Owner:	Private
District:	Chichester	Size ha:	26.1
Parish:	Westbourne	Date:	Identified May 1992. Revised Dec 2003.
National Grid Ref:	SU768082	Author:	Graham Roberts
Habitat:	Neutral grassland, river and wet woodland		

Summary

This site consists of a section of the River Ems and the adjacent meadows. Although semi-improved the meadows still retain some botanical interest. The river is in good biological condition. There are some areas of wet woodland.

Historical records from Arnold's Sussex Flora of 1907 suggest that this site was once of outstanding botanical importance.

Site description

The River Ems is a clear gently-flowing chalk stream. Common Water-crowfoot *Ranunculus aquatilis* forms dense rafts. In places there is a well developed marginal vegetation with Branched Bur-reed *Sparganium erectum*, Common Reedmace *Typha latifolia*, Reed Canary-grass *Phalaris arundinacea*, Water Mint *Mentha aquatica*, Water-cress *Rorippa nasturtium-aquaticum*, Blue Water-speedwell *Veronica anagallis-aquatica*, Water Forget-me-not *Myosotis scorpioides* and Brooklime *Veronica beccabunga*.

Three-spined Stickleback and Miller's Thumb, or Bullhead, are found. Dragonflies recorded include Emperor Dragonfly, Ruddy Darter and Black-tailed Skimmer. Common and Green Sandpiper and Grey Wagtail occasionally frequent the river.

The horse and cattle-grazed grassland, although probably partially improved, is also of great interest. The meadows, on both sides of the river, have patches of marshy ground with notable plants such as Marsh Ragwort *Senecio aquaticus*, Fen Bedstraw *Galium uliginosum*, Ragged Robin *Lychnis flos-cuculi*, Meadowsweet *Filipendula ulmaria* and Yellow Iris *Iris pseudacorus*. Parts of the river adjoin fields that were once water-cress beds but are now quite species rich grassland bordered by a secondary, scrub lined streams parallel to the river. These dryer grasslands support Bulbous Buttercup *Ranunculus bulbosus*, Meadow Buttercup *Ranunculus acris*, Yarrow *Achillea millefolium*, Primrose *Primula vulgaris*, Common Knapweed *Centaurea nigra* and Common Bird's-foot-trefoil *Lotus corniculatus*. Soft and Hard Rush *Juncus effusus* and *Juncus inflexus* are locally abundant.

There is an established pond with a small island that previously contained Great Crested Newts. The pond supports various wetland plant species including Water-starwort *Callitriche agg.*, Great Willowherb *Epilobium hirsutum*, Reed Canary-grass, Fool's water-cress, Water-cress, Common Reedmace and Willows. Two more recently created ponds are present on the secondary stream.

Part of the site has an area of impenetrable wet woodland of Hazel, Elder and White Willow *Salix alba* with Nettle *Urtica dioica* and Butterbur *Petasites hybridus* in the ground flora.

Management recommendations

The meadows should continue to be grazed. If fertilisers are not used the botanical interest will gradually increase. The pond in the middle of the site would benefit from enhancement including re-profiling to create more shallow margins and partial dredging.

SITE OF NATURE CONSERVATION IMPORTANCE (SNCI)

West Sussex

Site Name:	Cricket Ground & Meadows		
Site Ref:	C85	Owner:	Private
District:	Chichester	Size (ha):	4.6
Parish:	Westbourne	Date:	Identified May 1994
National Grid Ref:	SU757084	Author:	Graham Roberts
Habitat:	Neutral grassland		

Summary

This site consists of horse-grazed pasture, a cricket ground and the edge of a football pitch. They are all unimproved and support moderately species-rich plant communities, including several notable species. The presence of a large population of Chamomile *Chamaemelum nobile*, a rare plant in West Sussex and declining nationally, is of great interest.

Site description

The short, regularly mown sward of Westbourne Cricket Ground is extremely interesting botanically. There is much Chamomile and Devil's-bit Scabious *Succisa pratensis*, plus Eyebright *Euphrasia officinalis*, Autumn Lady's-tresses *Spiranthes spiralis*, Burnet-saxifrage *Pimpinella saxifrage* and Glaucous Sedge *Carex flacca*.

The flora of the horse-grazed fields includes Chamomile, Sneezewort *Achillea ptarmica*, Pepper-saxifrage *Silene silaus*, Common Fleabane *Pulicaria dysenterica* and Common Knapweed *Centaurea nigra*. Lousewort *Pedicularis sylvatica* and Carnation Sedge *Carex panicea*, both rare plants in West Sussex, were recorded in 1993.

The northern field is damper and supports Lesser Spearwort *Ranunculus flammula* and Celery-leaved Buttercup *Ranunculus sceleratus*.

Some of the grassland surrounding and on the sports pitch is also of botanical interest, supporting Chamomile and Pepper-saxifrage.

Large numbers of Long-winged Cone-heads, a member of the grasshopper family, have been recorded amongst patches of long grass in these fields.

Management recommendations

The current management appears to maintain a rich flora and in particular a good population of Chamomile. The combination of horse-grazed pasture and regularly mown cricket pitch provides diversity. Fertilisers and herbicides should be avoided.

SITE OF NATURE CONSERVATION IMPORTANCE (SNCI)

West Sussex

Site Name:	Brick Kiln Ponds & Meadow		
Site Ref:	C86	Owner:	Private
District:	Chichester	Size (ha):	9.8
Parish:	Westbourne & Stoughton	Date:	Identified May 1994
National Grid Ref:	SU757093	Author:	Graham Roberts
Habitat:	Pond, neutral grassland, scrub and woodland		

Summary

This site consists of two large ponds, a rough unimproved meadow, scrub and woodland. The ponds are important breeding sites for amphibians, birds and dragonflies. The meadow is of botanical and entomological interest.

Site description

The vegetation of the Brick Kiln Ponds consists largely of emergent species, particularly Common Reedmace *Typha latifolia*. This plant is locally dominant, covering perhaps one third of the western pond. Other aquatic plants include Water-plantain *Alisma plantago-aquatica*, Great Willowherb *Epilobium hirsutum*, Water Forget-me-not *Myosotis scorpioides*, Water Mint *Mentha aquatica*, Yellow Iris *Iris pseudacorus* and Amphibious Bistort *Polygonum amphibium*. It is interesting to note that these ponds are referred to several times in Arnold's Flora of Sussex published in 1907.

These two large ponds support good breeding populations of Common Frog and Common Toad, with perhaps one thousand breeding pairs of both species. This is believed to be the largest frog colony in West Sussex.

The ponds and their marginal vegetation also support a good diversity of breeding birds including Reed Warbler, Reed Bunting, Little Grebe, Moorhen, Coot, Mallard and Mute Swan. In winter they attract wildfowl. A number of species of damselfly and dragonfly breed in the two ponds. Two fairly localised species, the Emerald Damselfly and Ruddy Darter, have been recorded in large numbers.

The rough meadow, north of the ponds, supports a number of plants characteristic of unimproved grassland, such as Sneezewort *Achillea ptarmica*, Pepper-saxifrage *Silaum silaus*, Devil's-bit Scabious *Succisa pratensis* and Betony *Stachys officinalis*. Amongst the butterflies recorded in the meadow and woodland edge are Essex Skipper, Purple Hairstreak, Gatekeeper, Green-veined White, Meadow Brown and Peacock. The Dark Bush-cricket occurs in abundance. Short winged Cone-head and Speckled Bush-cricket have also been recorded.

Management recommendations

A few years ago the western pond was very overgrown with scrub and emergent vegetation. Recent management has been most successful in enhancing its wildlife value. Further management is recommended, though careful consideration should be given to its importance for amphibians. The meadow would benefit from management, preferably grazing.

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)

Previously known as Regionally Important Geological/Geomorphological Sites (RIGGS), LGS are non-statutory designations that have been identified by local geodiversity groups as being of importance. There are over 120 LGS in Sussex which have been assessed by the Sussex Geodiversity Partnership. The features identified as being important become a material consideration in any future development, and should be taken into account by the relevant local authority.

A selection of LGS with public access in Sussex can be viewed on the [Sussex Geodiversity Partnership's website](#).

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.

Environmental Stewardship

Environmental Stewardship is an agri-environment scheme managed by Natural England that provides funding to farmers and other land managers to deliver effective environmental management.

There are four elements to Environmental Stewardship, three of which are relevant in Sussex:

Entry Level Stewardship (ELS) goes beyond the Single Payment Scheme requirement to maintain land in good agricultural and environmental condition.

Organic Entry Level Stewardship (OELS) is the organic strand of ELS. It is geared to organic and organic/conventional mixed farming systems and is open to all farmers not receiving Organic Farming Scheme aid.

Higher Level Stewardship (HLS) involves more complex types of management where agreements are tailored to local circumstances.

Further information can be found on the [Natural England website](#).

Further information on many of the designations listed above can be found on the [Natural England website](#).

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.

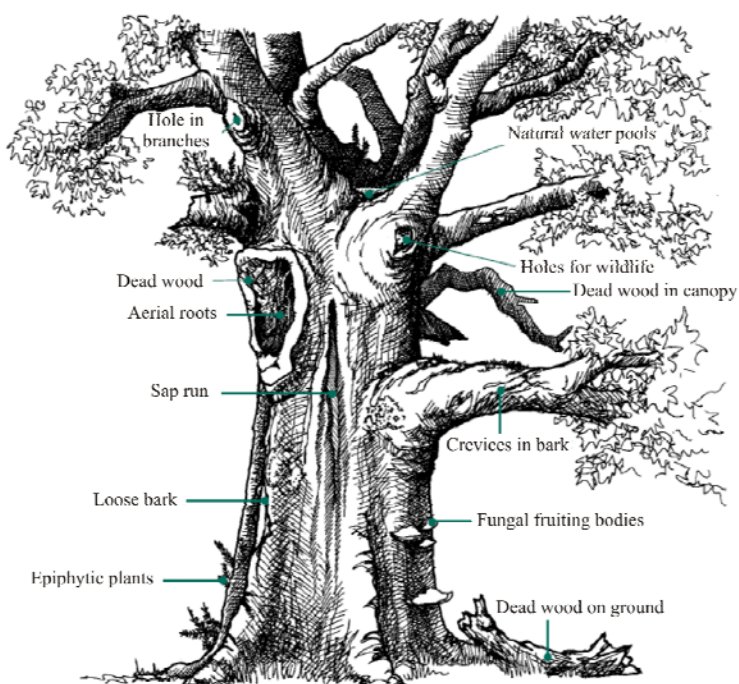
Notable trees. Locally important or of significance to the community; Specimen trees or considered to be the potential next generation of veteran trees.

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.



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

Characteristic features of a veteran tree

Source: *Veteran Trees: A guide to good management*. Natural England, 2000.

ANCIENT WOODLAND

Ancient woodland is defined by Natural England as an area that has had a continuous woodland cover since at least 1600 AD.

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.



Bluebell

The habitat can be split into two broad categories:-

Ancient semi-natural woodland - is composed predominantly of trees and shrubs native to the site that do not obviously originate from planting. However, woodlands with small planting of trees native to the site would still be included in this category. The stands may have been managed by coppicing or pollarding in the past or the tree and shrub layer may have grown up by natural regeneration.

Plantations on ancient woodland sites - are areas of ancient woodland where the former native tree cover has been felled and replaced by planted trees, predominantly of species not native to the site. These will include conifers such as Norway spruce or Corsican pine, and also non-native broadleaves such as sweet chestnut. These sites often retain some ancient woodland features such as soils, ground flora, fungi, and woodland archaeology and as such they can respond well to restoration management.

The importance of ancient woodland

Ancient woodland is of prime ecological and landscape importance, providing a vital part of a rich and diverse countryside. In particular, ancient woodland:

- is exceptionally rich in wildlife, and supports many rare and threatened species
- may contain surviving descendants and features from the original natural forests
- acts as reservoirs from which wildlife can spread into new woodlands
- has valuable soils due to their undisturbed nature
- is an integral part of England's historic landscapes and the biological and visual functioning of a landscape
- contains a wealth of features of historical and archaeological importance little altered by modern cultivation or disturbance

Ancient Woodland Inventory

The Ancient Woodland Inventory was set up in 1981 by the Nature Conservancy Council (now Natural England). It originally only included sites over two hectares in size. Advances in digital mapping techniques mean it is now possible to map woodlands under two hectares with greater 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.

Further information about the Ancient Woodland Inventory can be found on the [Natural England website](#).

(Illustration courtesy of Natural England.)

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.

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.



Lapwing

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
- Sussex Wetland Landscapes Project: www.sussexotters.org

(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 a 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

Orchard Network: www.orchardnetwork.org.uk

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The Sussex Biodiversity Record Centre is managed by the Sussex Wildlife Trust as a partnership project.
A list of our current funding partners can be found on our website: www.sxbrc.org.uk/about/partners

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