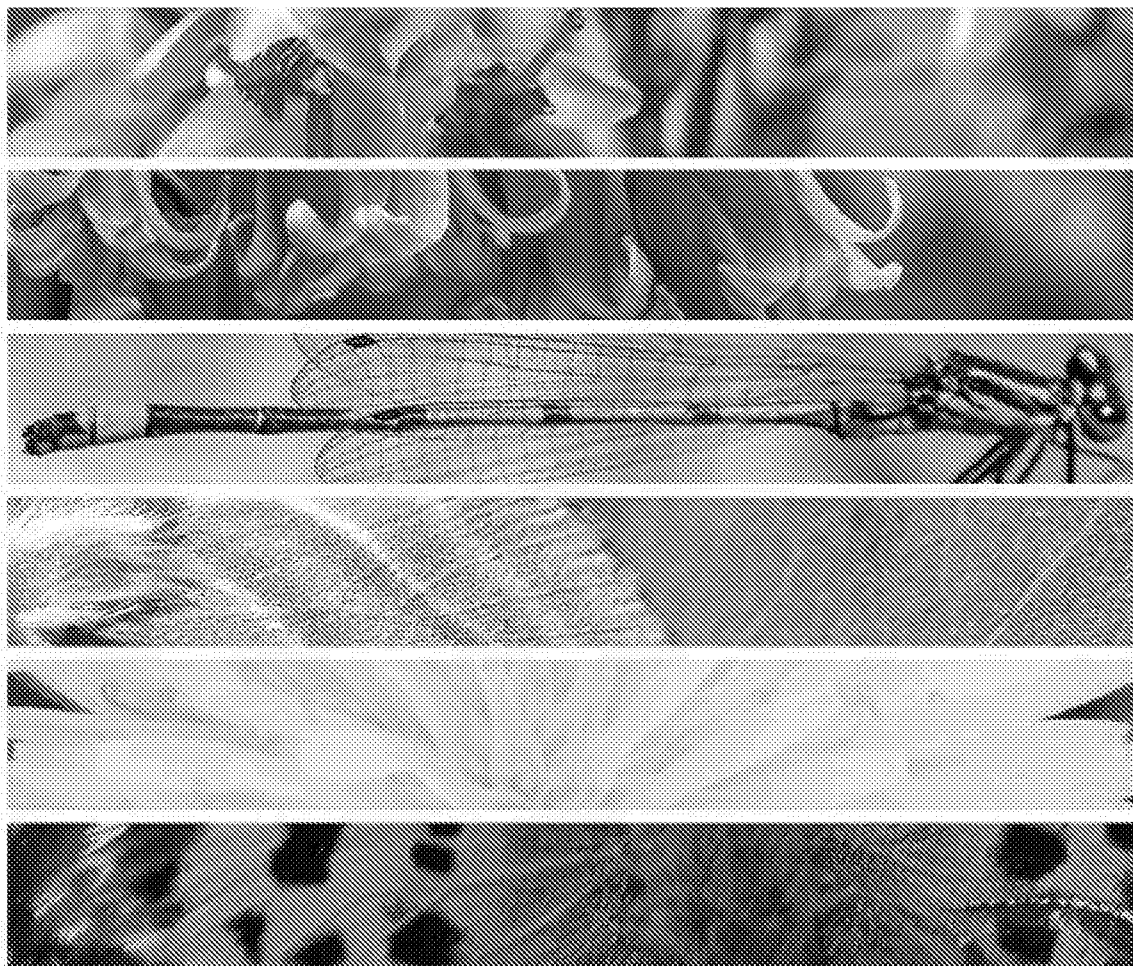




Ecological data search for land at Ecclesden Farm, Angmering

On behalf of Ray Drabble (West Sussex County Council)

Report reference SxBRC/21/366

Prepared on 23/07/2021



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Introduction & Summary of Results

An ecological data search was carried out for land at Ecclesden Farm, Angmering on behalf of Ray Drabble (West Sussex County Council) on 23/07/2021.

The following datasets were consulted for this report:

	Requested	Radius/buffer size
Designated sites, habitats & ownership maps	Yes	0.5km
Protected, designated and invasive species	Yes	0.5km

Summary of results

Sites and habitats

Statutory sites	1 National Park
Non-statutory sites	None present
Section 41 habitats	2 habitats
Ancient and/or ghyll woodland	Present

Protected and designated species

International designations	19 species	83 records
National designations	60 species	328 records
Other designations	91 species	688 records
Total	102 species	722 records

Invasive non-natives species	14 species	38 records
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Important Information

PERMISSION

This report is valid until 23/07/2022

This report is for the internal use of Ray Drabble of West Sussex County Council (which includes the client where applicable) to inform understanding of the site of interest. This report must not be distributed or published for an external or public audience, for example within the appendix of a report. However, data from within this report may be referenced as long as the Sussex Biodiversity Record Centre is acknowledged.

The separate summary sheet may be published.

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

The species data held by the Sussex Biodiversity Record Centre (SxBRC) are 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 data search from SxBRC will give the user a clear indication of what biological recording has taken place. 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.

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 data search reports.

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.

Maps

Based on data currently held at the Sussex Biodiversity Record Centre, the following appear within the search radius:

Statutory site designations	
National Park	South Downs
Non-statutory site designations	
None present	
Ownership/management	
Environmental Stewardship Agreement	
Section 41 habitats & other	
Traditional orchard Deciduous woodland Ancient woodland	

Any citation sheets currently available can be found towards the back of this report.

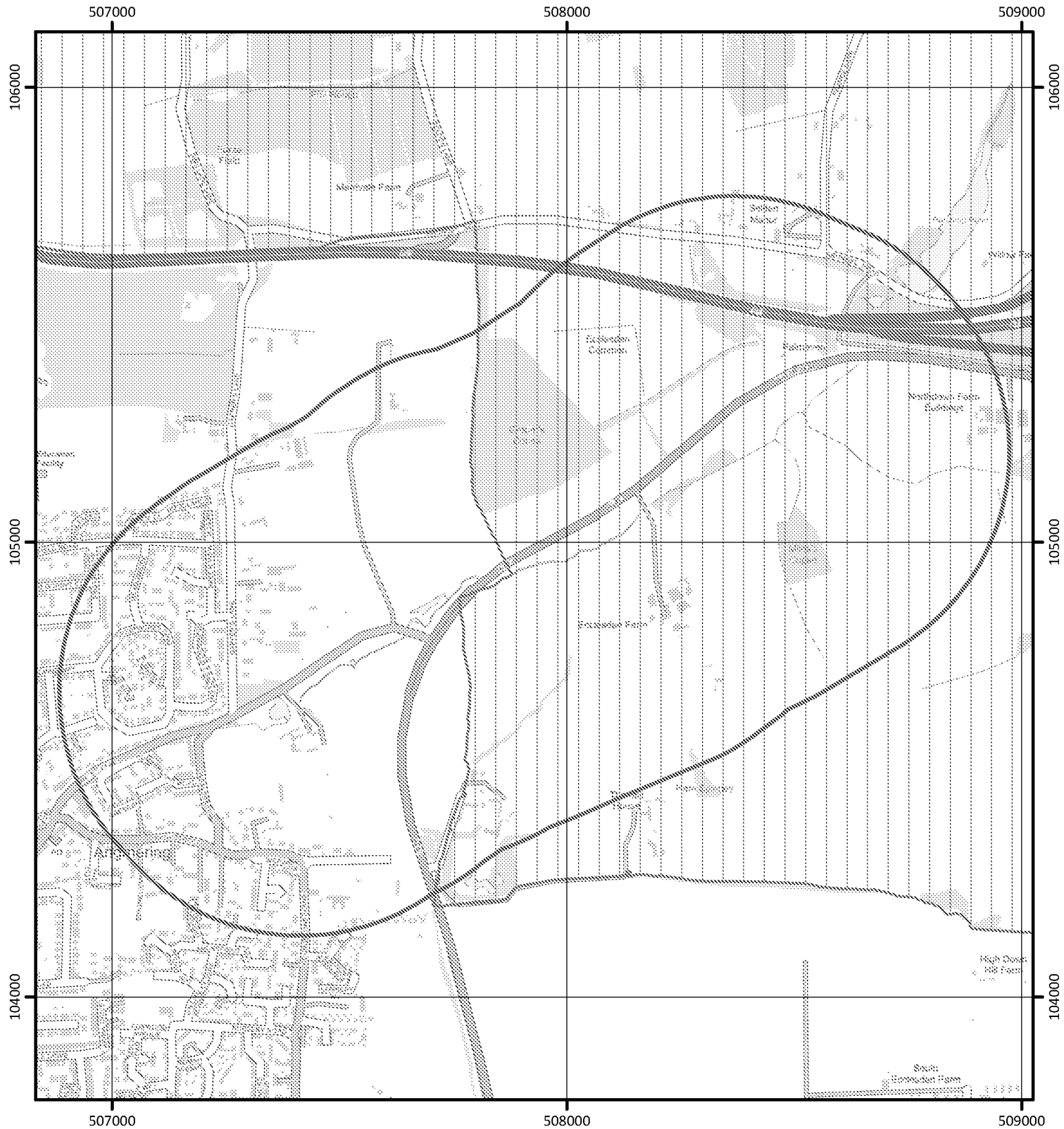
PLEASE NOTE: Proposed/potential statutory site designations are not currently shown on our maps. Please consult Defra's MAGIC website to see if a proposed site is within the search area:



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.

Map 1: Statutory site designations

Land at Ecclesden Farm, Angmering + 0.5km radius
SxBRC/21/366 - 23/07/2021

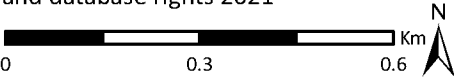


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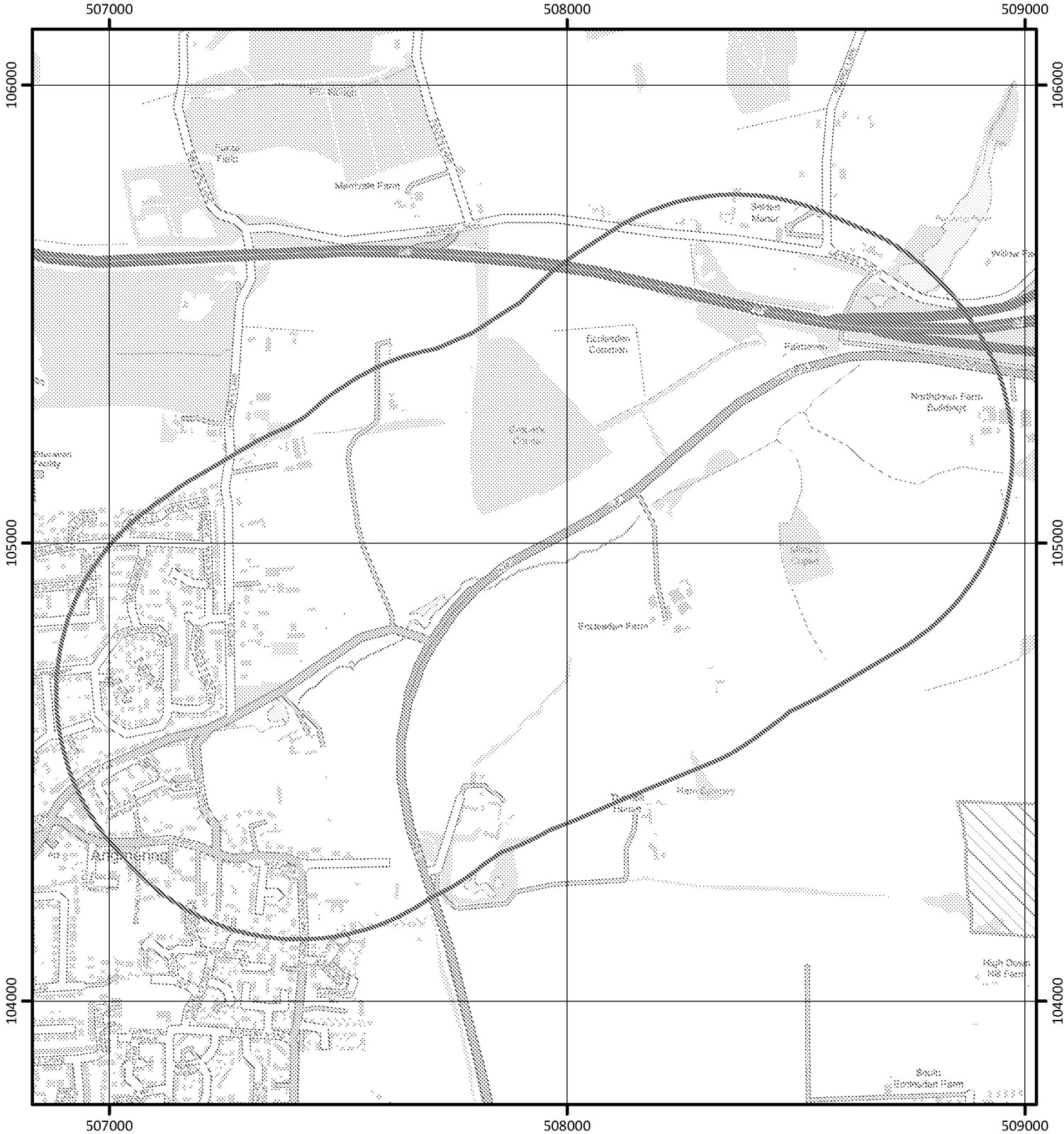
- Search area
- National Park

Statutory designated site boundaries supplied by Natural England. Contains public sector information licensed under the Open Government Licence v3.0.

Contains Ordnance Survey data © Crown copyright and database rights 2021



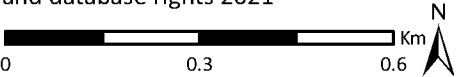
Map 2: Non-statutory site designations
Land at Ecclesden Farm, Angmering + 0.5km radius
SxBRC/21/366 - 23/07/2021



- Key to Map:
- Search area
 - Local Wildlife Site

Local Wildlife Site boundaries maintained by Sussex Biodiversity Record Centre (SxBRC) on behalf of Sussex Local Wildlife Site Initiative. Notable Road Verge data provided by local authorities. Local Geological Site data created by SxBRC in partnership with Sussex Geodiversity Group.

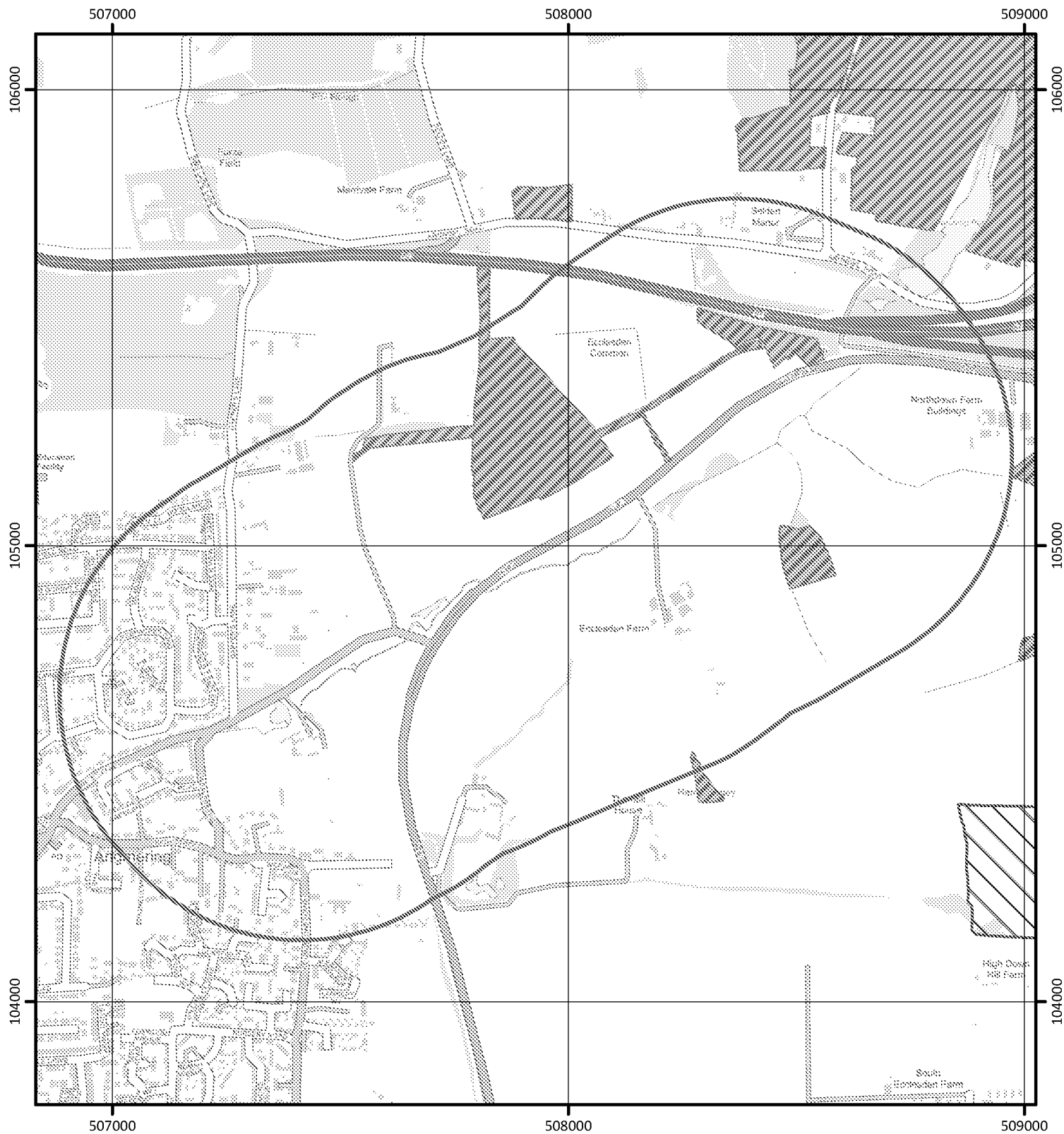
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Map 3: Ownership & management

Land at Ecclesden Farm, Angmering + 0.5km radius

SxBRC/21/366 - 23/07/2021



Key to Map:

-  Search area
-  National Trust property

Environmental Stewardship Agreements:

-  ELS plus HLS

Stewardship data supplied by Natural England. Ownership data supplied by the Woodland Trust, Forestry Commission, National Trust, Sussex Wildlife Trust and Royal Society for the Protection of Birds.

Contains Ordnance Survey data © Crown copyright and database rights 2021



Map 4: Section 41 habitats and other

Land at Ecclesden Farm, Angmering + 0.5km radius

SxBRC/21/366 - 23/07/2021



Key to Map:

-  Search area
-  Ancient/veteran tree
-  Open Water
-  Traditional orchard
-  Lowland calcareous grassland
-  Ancient woodland
-  Deciduous woodland

Ancient woodland, and section 41 habitat data supplied by Natural England. Contains public sector information licenced under the Open Government Licence v.3.0. Additional contributors of habitat data include Sussex Wildlife Trust, South Downs Conservation Board, Environment Agency, Sussex Wetlands Landscapes Project, WSCC, RSPB, High Weald AONB Unit, Ancient Tree Hunt, and Tree Register of the British Isles.

Contains Ordnance Survey data © Crown copyright and database rights 2021



Species Data

Data presented on the following pages are from 1980 onwards and only include species which have a form of protection or designation.

The following designations have been used:

Abbreviation	Designation
Birds Dir A1	Birds Directive Annex 1
Hab Dir A2 P	Habitats Directive Annex 2 Priority Species
Hab Dir A2 NP	Habitats Directive Annex 2 Non-Priority Species
Hab Dir A4	Habitats Directive Annex 4
Hab Reg Sch2	Conservation of Habitats & Species Regulations 2010 Schedule 2
Hab Reg Sch5	Conservation of Habitats & Species Regulations 2010 Schedule 5
WCA	Wildlife & Countryside Act 1981
NERC S41	Natural Environment & Rural Communities Act 2006 Section 41
UK BAP	UK Biodiversity Action Plan Priority Species
Red List	IUCN Red list
Rare/Scarce	Nationally rare or scarce (formerly Nationally Notable)
Sussex Rare	Sussex Rare Species Inventory
BoCC Red	Birds of Conservation Concern 4: Red list
BoCC Amber	Birds of Conservation Concern 4: Amber list
Notable Bird	Sussex Notable Bird List

Details of each designation can be found in the annex of supporting information at the end of this report.

Invasive non-native species records, which are also relevant to the planning process, appear in a separate table to the above.

Confidential records

Badger and otter records are not included in our reports.

Badgers

Local badger groups have requested that badger records remain confidential. If you need further information about badgers in your enquiry area please visit the Badger Trust website:

www.badger.org.uk

Please be aware that there are several local groups covering different geographic areas within Sussex.

Otters

Otters became extinct in Sussex and many other parts of the UK in the late 1960s. This was a result of deteriorating water quality due to industrial and agricultural pollution, along with hunting and habitat degradation. Recent improvements to the state of watercourses and a reduction in persecution have led to the slow return of the otter to the South East. Sussex has over 4,500km of rivers and tributaries. There are no recent breeding otter records and very few resident otters in Sussex. Over the last 20 years however, signs of otter activity have been found in most of the Sussex river catchments.

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

Sensitive records

Wood White and Duke of Burgundy

These two rare butterfly species have a very restricted range in Sussex and so records are reported at a 1km resolution on advice from Butterfly Conservation Sussex Branch.

The Sussex Biodiversity Record Centre must be acknowledged whenever data is cited from this report.

Table 1: Summary protected and designated species records (excluding bats and birds)

This table summarises records from 1980 onwards. See table 2 for detailed records.

See tables 3 & 4 for bat records, tables 5 & 6 for bird records and tables 7 & 8 for invasive non-native species.

Maximum abundance = highest total number of species recorded at one time.

N.B. Where 'Present' appears in abundance column, no single numerical figure for abundance was provided with the record.

Taxon name	Common name	International Designation	National Designation	Other Designation	Date of earliest record	Date of latest record	No. of records	Max. abundance
Amphibians								
<i>Rana temporaria</i>	Common Frog		WCA Sch5 s9.5a		02/03/1987	03/03/1997	2	6
Higher Plants - Flowering Plants								
<i>Briza media</i>	Quaking-grass			RedList ENG post2001 NT	22/06/2005	22/06/2005	1	1
<i>Campanula rotundifolia</i>	Harebell			RedList ENG post2001 NT	2006	2006	1	1
<i>Carlina vulgaris</i>	Carline Thistle			RedList ENG post2001 NT	2006	2006	1	1
<i>Cruciata laevipes</i>	Crosswort			RedList ENG post2001 NT	30/04/2016	30/04/2016	1	1
<i>Cynoglossum officinale</i>	Hound's-tongue			RedList GB post2001 NT, RedList ENG post2001 NT	2006	2006	1	1
<i>Fragaria vesca</i>	Wild Strawberry			RedList ENG post2001 NT	01/07/2014	01/07/2014	1	1
<i>Glebionis segetum</i>	Corn Marigold			RedList GB post2001 VU, RedList ENG post2001 VU	13/07/2011	13/07/2011	1	1
<i>Hyacinthoides non-scripta</i>	Bluebell		WCA Sch8		08/08/2005	01/04/2018	3	1
<i>Isatis tinctoria</i>	Woad			Nat Scarce, Sussex Rare	1987	1987	1	1
<i>Knautia arvensis</i>	Field Scabious			RedList ENG post2001 NT	22/08/2013	22/08/2013	1	1
<i>Lithospermum arvense</i>	Field Gromwell			RedList GB post2001 EN, RedList ENG post2001 EN, Sussex Rare	1996	1996	1	1
<i>Mentha arvensis</i>	Corn Mint			RedList ENG post2001 NT	08/08/2005	08/08/2005	1	1

The Sussex Biodiversity Record Centre must be acknowledged whenever data is cited from this report.

Taxon name	Common name	International Designation	National Designation	Other Designation	Date of earliest record	Date of latest record	No. of records	Max. abundance
<i>Nymphoides peltata</i>	Fringed Water-lily			Nat Scarce	1990	1990	1	1
<i>Oenanthe fistulosa</i>	Tubular Water-dropwort		NERC S41	UK BAP Priority, RedList GB post2001 VU, RedList ENG post2001 VU	05/07/1988	05/07/1988	1	Present
<i>Poa infirma</i>	Early Meadow-grass			Nat Scarce, Sussex Rare	30/04/2016	30/04/2016	1	1
<i>Sanicula europaea</i>	Sanicle			RedList ENG post2001 NT	2006	2006	1	1
Invertebrates - Beetles								
<i>Lucanus cervus</i>	Stag Beetle	Hab Dir A2 NP	WCA Sch5 s9.5a, NERC S41	UK BAP Priority, Nat Scarce, Notable B, Sussex Rare	20/07/2002	12/06/2016	9	1
Invertebrates - Butterflies								
<i>Coenonympha pamphilus</i>	Small Heath		NERC S41	UK BAP Priority, RedList GB post2001 NT	09/08/2003	09/08/2003	1	Present
Invertebrates - Earwigs								
<i>Forficula lesnei</i>	Lesne's Earwig			Nat Scarce, Sussex Rare	01/08/2002 - 31/08/2002	01/08/2002 - 31/08/2002	1	2
Invertebrates - Moths								
<i>Brachylochia viminalis</i>	Minor Shoulder-knot		NERC S41	UK BAP Priority	22/06/2005	23/06/2005	2	6
<i>Caradrina morpheus</i>	Mottled Rustic		NERC S41	UK BAP Priority	22/06/2005	23/06/2005	2	2
<i>Diarsia rubi</i>	Small Square-spot		NERC S41	UK BAP Priority	22/06/2005	22/06/2005	1	1
<i>Eulithis mellinata</i>	Spinach		NERC S41	UK BAP Priority	23/06/2005	23/06/2005	1	1
<i>Leucania comma</i>	Shoulder-striped Wainscot		NERC S41	UK BAP Priority	23/06/2005	23/06/2005	1	1
<i>Spilosoma lubricipeda</i>	White Ermine		NERC S41	UK BAP Priority	22/06/2005	22/06/2005	1	2
<i>Spilosoma lutea</i>	Buff Ermine		NERC S41	UK BAP Priority	23/06/2005	23/06/2005	1	3
<i>Thera cypressata</i>	Cypress Carpet			Sussex Rare	23/06/2005	23/06/2005	1	1
Mammals - Terrestrial (excl. bats)								
<i>Arvicola amphibius</i>	European Water Vole		WCA Sch5 s9.4a/s9.4b/s9.4c, NERC S41	UK BAP Priority, RedList GB post2001 EN, Sussex Rare	01/08/2013	01/08/2013	2	1
<i>Erinaceus europaeus</i>	West European Hedgehog		NERC S41	UK BAP Priority, RedList GB post2001 VU	2005	01/11/2017	12	3
<i>Muscardinus avellanarius</i>	Hazel Dormouse	Hab Dir A4	Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41	UK BAP Priority, RedList GB post2001 VU	27/10/2015	02/11/2015	2	2

The Sussex Biodiversity Record Centre must be acknowledged whenever data is cited from this report.

Taxon name	Common name	International Designation	National Designation	Other Designation	Date of earliest record	Date of latest record	No. of records	Max. abundance
Reptiles								
<i>Natrix helvetica</i>	Grass Snake		WCA Sch5 s9.1/s9.1 kill/s9.5a, NERC S41	UK BAP Priority	19/08/1994	19/08/1994	1	3

Table 2: Protected and designated species records (excluding bats and birds)

Records in the table are from 1980 onwards.

See tables 3 & 4 for bat records, tables 5 & 6 for bird records and tables 7 & 8 for invasive non-native species.

N.B. Where 'Present' appears in abundance column, no single numerical figure for abundance was provided with the record.

Taxon name	Common name	Date	Grid reference	Location name	Abundance	Sampling method
Amphibians						
Rana temporaria	Common Frog	03/03/1997	TQ0804	2, The Drills, High Street, Angmering	6 Present	Field Observation
		02/03/1987	TQ0704	Pigeon House, High Street, Angemring	Present	Field Observation
Higher Plants - Flowering Plants						
Briza media	Quaking-grass	22/06/2005	TQ00X	Highdown area	Present	Field Observation
Campanula rotundifolia	Harebell	2006	TQ00X	S of Patching	Present	Field Observation
Carlina vulgaris	Carlina Thistle	2006	TQ00X	S of Patching	Present	Field Observation
Cruciata laevipes	Crosswort	30/04/2016	TQ00X	Patching and Clapham	Present	Field Observation
Cynoglossum officinale	Hound's-tongue	2006	TQ00X	S of Patching	Present	Field Observation
Fragaria vesca	Wild Strawberry	01/07/2014	TQ00S	Angmering	Present	Field Observation
Glebionis segetum	Corn Marigold	13/07/2011	TQ00S	Angmering CP, Angmering	Present	Field Observation
Hyacinthoides non-scripta	Bluebell	01/04/2018	TQ00S	Angmering: St Margaret's churchyard	Present	Field Observation
		30/04/2016	TQ00X	Patching and Clapham	Present	Field Observation
		08/08/2005	TQ00X	Highdown area	Present	Field Observation
Isatis tinctoria	Woad	1987	TQ00X	Highdown	Present	Field Observation
Knautia arvensis	Field Scabious	22/08/2013	TQ00X	Goring-by-Sea	Present	Field Observation
Lithospermum arvense	Field Gromwell	1996	TQ0804	Highdown Hill	Present	Field Observation
Mentha arvensis	Corn Mint	08/08/2005	TQ00X	Highdown area	Present	Field Observation
Nymphoides peltata	Fringed Water-lily	1990	TQ00X		Present	Field Observation
Oenanthe fistulosa	Tubular Water-dropwort	05/07/1988	TQ086055	Arundel,	Frequent DAFOR	Field Observation
Poa infirma	Early Meadow-grass	30/04/2016	TQ0869905583	Patching and Clapham	Present	Field Observation
Sanicula europaea	Sanicle	2006	TQ00X	S of Patching	Present	Field Observation
Invertebrates - Beetles						
Lucanus cervus	Stag Beetle	12/06/2016	TQ07410426	Roundstone Lane	1 Adult Male	Field Observation
		24/06/2015	TQ071045	Unspecified location in the parish of Angmering	present	Field Observation
		14/06/2015	TQ071051	Unspecified location in the parish of Angmering	present	Field Observation
		14/06/2015	TQ075043	Unspecified location in the parish of Angmering	present	Field Observation
		05/06/2015	TQ078044	Unspecified location in the parish of Angmering	present	Field Observation

The Sussex Biodiversity Record Centre must be acknowledged whenever data is cited from this report.

Taxon name	Common name	Date	Grid reference	Location name	Abundance	Sampling method
		30/05/2015	TQ069045	Unspecified location in the parish of Angmering	present	Field Observation
		18/06/2014	TQ06980479	Garden of 15 Greenacres Ring, Angmering	1 Adult Male	Field Observation
		18/06/2014	TQ06980479	Garden of 15 Greenacres Ring, Angmering	1 Adult Male	Photograph
		20/07/2002	TQ071043	Unspecified location in the parish of Angmering	present	Field Observation
Invertebrates - Butterflies						
Coenonympha pamphilus	Small Heath	09/08/2003	TQ076043	Highdown Hill NT, West side, Worthing	2-9 Adult	Field Observation
Invertebrates - Earwigs						
Forficula lesnei	Lesne's Earwig	01/08/2002 - 31/08/2002	TQ0804	Angmering CP, High Down, W 1km square	2 Adult	Voucher specimen
Invertebrates - Moths						
Brachyolomia viminalis	Minor Shoulder-knot	23/06/2005	TQ072048	Angmering CP,	6 Adult	Moth Trap
		22/06/2005	TQ072048	Angmering CP,	1 Adult	Moth Trap
Caradrina morpheus	Mottled Rustic	23/06/2005	TQ072048	Angmering CP,	2 Adult	Moth Trap
		22/06/2005	TQ072048	Angmering CP,	1 Adult	Moth Trap
Diarsia rubi	Small Square-spot	22/06/2005	TQ072048	Angmering CP,	1 Adult	Moth Trap
Eulithis mellinata	Spinach	23/06/2005	TQ072048	Angmering CP,	1 Adult	Moth Trap
Leucania comma	Shoulder-striped Wainscot	23/06/2005	TQ072048	Angmering CP,	1 Adult	Moth Trap
Spilosoma lubricipeda	White Ermine	22/06/2005	TQ072048	Angmering CP,	2 Adult	Moth Trap
Spilosoma lutea	Buff Ermine	23/06/2005	TQ072048	Angmering CP,	3 Adult	Moth Trap
Thera cupressata	Cypress Carpet	23/06/2005	TQ072048	Angmering CP,	1 Adult	Moth Trap
Mammals - Terrestrial (excl. bats)						
Arvicola amphibius	European Water Vole	01/08/2013	TQ0765304821	Black Ditch, Angmering	Present	Unknown
		01/08/2013	TQ0864405391	Black Ditch, A27	Present	Unknown
Erinaceus europaeus	West European Hedgehog	Nov-17	TQ070044	Angmering	2 Present	Field Observation
		18/11/2017	TQ071045	Angmering	1 Present	Field Observation
		24/10/2017	TQ073049	Angmering	1 Present	Field Observation
		Sep-17	TQ071049	Angmering	1 Present	Field Observation
		2013	TQ071044	Unspecified Location Within Angmering CP	1 Present	Field Observation
		14/11/2013	TQ0722004205	Garden of 10 Highdown Close, Angmering	3 Individual	Field Observation
		25/05/2013	TQ070049	Garden of 37 Meadowside, Angmering	1 Individual	Field Observation
		2006	TQ0604	Unspecified Location Within Angmering CP	2 Adult	Field Observation
		2006	TQ0604	Unspecified Location Within Angmering CP	3 Adult	Field Observation
		2006	TQ0704	Unspecified Location Within Angmering CP	1 Adult; 1 Juvenile	Field Observation
		2005	TQ0604	Unspecified Location Within Angmering CP	present	Field Observation

Taxon name	Common name	Date	Grid reference	Location name	Abundance	Sampling method
		2005	TQ0704	Unspecified Location Within Angmering CP	present	Field Observation
<i>Muscardinus avellanarius</i>	Hazel Dormouse	02/11/2015	TQ078053	Angmering	2 Present	Field Observation
		27/10/2015	TQ077052	Unspecified location within the parish of Angmering	present	Field Observation
Reptiles						
<i>Natrix helvetica</i>	Grass Snake	19/08/1994	TQ0704	Pigeon House, High Street, Angmering	1 Adult; 1 Egg/ovum, emerged; 1 Present	Field Observation

Table 3: Summary bat records

This table summarises records from 1980 onwards. See table 4 for detailed bat records.

Maximum abundance = highest total number of bats recorded at one time.

N.B. Where 'Present' appears in abundance column, no single numerical figure for abundance was provided with the record.

Taxon name	Common name	International Designation	National Designation	Other Designation	Date of earliest record	Date of latest record	No. of records	Max. abundance
<i>Chiroptera</i>	Bats	Hab Dir A2 NP, Hab Dir A4	Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41	UK BAP Priority, RedList GB post2001 CR, RedList GB post2001 EN, RedList GB post2001 VU, RedList GB post2001 NT, RedList GB post2001 DD	01/09/1992	01/09/1992	1	Present
<i>Eptesicus serotinus</i>	Serotine	Hab Dir A4	Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a	RedList GB post2001 VU	27/05/2020	27/05/2020	1	1
<i>Myotis nattereri</i>	Natterer's Bat	Hab Dir A4	Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a		10/09/2003	10/09/2003	1	1
<i>Nyctalus noctula</i>	Noctule Bat	Hab Dir A4	Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41	UK BAP Priority	28/05/2020	21/09/2020	3	1
<i>Pipistrellus</i>	Pipistrelle	Hab Dir A4	Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41	UK BAP Priority, RedList GB post2001 NT	15/07/2005	11/08/2020	4	1
<i>Pipistrellus pipistrellus</i>	Common Pipistrelle	Hab Dir A4	Hab Reg Sch2, NERC S41, WCA Sch5 s9.4b/s9.4c/s9.5a	UK BAP Priority	21/07/1993	21/09/2020	9	157
<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	Hab Dir A4	Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41	UK BAP Priority	10/09/2003	19/10/2020	7	1
<i>Plecotus auritus</i>	Brown Long-eared Bat	Hab Dir A4	Hab Reg Sch2, WCA Sch5 s9.4b/s9.4c/s9.5a, NERC S41	UK BAP Priority	04/02/2006	16/09/2014	2	8

Table 4: Bat records

Records in this table are from 1980 onwards.

N.B. Where 'Present' appears in abundance column, no single numerical figure for abundance was provided with the record.

Taxon name	Common name	Date	Grid reference	Location name	Abundance	Sampling method	Roost type	Roost location	Comments
<i>Chiroptera</i>	Bats	01/09/1992	TQ071045	24 Cumberland Road, Angmering		Building Inspection	Unspecified Roost		
<i>Eptesicus serotinus</i>	Serotine	27/05/2020	TQ0748004510	Angmering	Present	Field Observation			
<i>Myotis nattereri</i>	Natterer's Bat	10/09/2003	TQ077042	Highdown Hill	present Breeding probable	Unspecified			
<i>Nyctalus noctula</i>	Noctule Bat	21/09/2020	TQ0748004510	Angmering	Present	Field Observation			
		20/08/2020	TQ0748004510	Angmering	Present	Field Observation			
		28/05/2020	TQ0748004510	Angmering	Present	Field Observation			
<i>Pipistrellus</i>	Pipistrelle	11/08/2020	TQ07150492	Angmering	1 Present	Field Observation			
		08/08/2020	TQ07130492	Angmering	Present	Field Observation			
		01/08/2014	TQ07020494	Meadowside, Angemring	Present	Visual	Feeding Roost	Garage	Live bat identified in the hand
		15/07/2005	TQ071047	37 Merryfield Crescent, Angmering, BN16 4DA		Building Inspection	Maternity Roost		Pips flying into living room through window. Advised net curtains.
<i>Pipistrellus pipistrellus</i>	Common Pipistrelle	21/09/2020	TQ0748004510	Angmering	Present	Field Observation			
		20/08/2020	TQ0748004510	Angmering	Present	Field Observation			
		29/06/2020	TQ0748004510	Angmering	Present	Field Observation			
		28/05/2020	TQ0748004510	Angmering	Present	Field Observation			
		27/05/2020	TQ0748004510	Angmering	Present	Field Observation			

Taxon name	Common name	Date	Grid reference	Location name	Abundance	Sampling method	Roost type	Roost location	Comments
		10/09/2003	TQ077042	Highdown Hill	present Breeding probable	Unspecified			
		14/06/1999	TQ072048	Angmering	95 Bat(s)	Roost Exit Count	Unspecified Roost		
		24/07/1996	TQ072048	22 Merryfields Crescent, Angmering	148 Emergent	Roost Exit Count	Unspecified Roost		148 counted flying out, with more heard inside
		21/07/1993	TQ071046	63 Greenacre Ring, Angmering	157 Present	Building Inspection	Unspecified Roost; Droppings		Droppings found, half metre deep.
<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	19/10/2020	TQ0748004510	Angmering	Present	Field Observation			
		21/09/2020	TQ0748004510	Angmering	Present	Field Observation			
		20/08/2020	TQ0748004510	Angmering	Present	Field Observation			
		29/06/2020	TQ0748004510	Angmering	Present	Field Observation			
		28/05/2020	TQ0748004510	Angmering	Present	Field Observation			
		27/05/2020	TQ0748004510	Angmering	Present	Field Observation			
		10/09/2003	TQ077042	Highdown Hill	present Breeding probable	Unspecified			
<i>Plecotus auritus</i>	Brown Long-eared Bat	16/09/2014	TQ073050	Crete Nurseries, Angmering	8 Present	Visual	Feeding Roost	Garage	Close visual identification
		04/02/2006	TQ071043	Chaplins, High Street, Angmering, BN16 4AG		Building Inspection	Unspecified Roost; Droppings		Only 2 droppings found. Occasional roost only. Owner disappointed it wasn't used by more bats!

Table 5: Summary bird records

Confidential records

Records of birds classed as confidential by the Sussex Ornithological Society (SOS) are not included in our reports. These records relate to a range of different species. No such records been flagged up in this search area. The SOS should be contacted directly if potentially damaging operations are to occur.

Email: conservation@sos.org.uk

Wetland Bird Survey (WeBS)

WeBS records are not included in our reports and must be requested directly from BTO: <https://www.bto.org/volunteer-surveys/webs/data>. The data search area intersects with the following WeBS count areas: Patching Pond.

Records in the following table are from 1980 onwards.

This table provides a summary of all bird records. Table 6 provides records of Sussex Notable Birds (where applicable).

Maximum abundance = highest total number of birds recorded at one time.

N.B. Where 'Present' appears in abundance column, no single numerical figure for abundance was provided with the record.

Taxon name	Common name	International Designation	National Designation	Other Designation	Date of earliest record	Date of latest record	No. of records	Max. abundance
<i>Aix galericulata</i>	Mandarin Duck				17/02/2010	24/03/2018	2	1
<i>Anas crecca</i>	Teal			Bird Amber, Notable Bird	12/01/1994	24/01/2015	3	6
<i>Anas platyrhynchos</i>	Mallard			Bird Amber, Notable Bird	12/10/1982	30/06/2020	105	50
<i>Anser anser</i>	Greylag Goose			Bird Amber	17/04/2010	29/03/2018	10	6
<i>Aythya ferina</i>	Pochard			Bird Red, Notable Bird	12/12/1986	15/04/2016	13	4
<i>Aythya fuligula</i>	Tufted Duck			Notable Bird	12/02/1983	14/02/2019	63	29
<i>Branta canadensis</i>	Canada Goose				01/05/1982	07/04/2020	17	7
<i>Cygnus olor</i>	Mute Swan			Bird Amber, Notable Bird	12/10/1982	11/04/2009	79	8
<i>Spatula clypeata</i>	Shoveler			Bird Amber, Notable Bird	10/04/2013	10/04/2013	1	2
<i>Spatula querquedula</i>	Garganey		WCA Sch1 Pt1	Bird Amber, Notable Bird	15/04/1980	15/04/1980	1	1
<i>Apus apus</i>	Swift			Bird Amber, Notable Bird	04/06/2006 - 25/06/2006	30/06/2020	6	5
<i>Burhinus oedicephalus</i>	Eurasian Stone-curlew	Birds Dir A1	WCA Sch1 Pt1, NERC S41	UK BAP Priority, Bird Amber, Notable Bird	14/04/2009	25/05/2010	2	1

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Taxon name	Common name	International Designation	National Designation	Other Designation	Date of earliest record	Date of latest record	No. of records	Max. abundance
<i>Vanellus vanellus</i>	Lapwing		NERC S41	UK BAP Priority, Bird Red, Notable Bird	24/04/1990	07/04/2020	10	8
<i>Chroicocephalus ridibundus</i>	Black-headed Gull			Bird Amber, Notable Bird	11/03/1996	19/09/2019	16	272
<i>Hydrocoloeus minutus</i>	Little Gull	Birds Dir A1	WCA Sch1 Pt1		19/01/2013	03/03/2014	2	1
<i>Ichthyaetus melanocephalus</i>	Mediterranean Gull	Birds Dir A1	WCA Sch1 Pt1	Bird Amber, Notable Bird	23/04/2011	23/04/2011	1	2
<i>Larus argentatus</i>	European Herring Gull		NERC S41	UK BAP Priority, Bird Red, Notable Bird	01/05/1982	30/06/2020	29	16
<i>Larus canus</i>	Common Gull			Bird Amber, Notable Bird	14/01/2009	20/08/2019	3	7
<i>Larus fuscus</i>	Lesser Black-backed Gull			Bird Amber, Notable Bird	14/05/2007	30/06/2020	4	1
<i>Larus marinus</i>	Great Black-backed Gull			Bird Amber, Notable Bird	24/04/2009	24/04/2009	1	2
<i>Actitis hypoleucos</i>	Common Sandpiper			Bird Amber, Notable Bird	16/05/1991	24/04/2017	5	11
<i>Gallinago gallinago</i>	Snipe			Bird Amber, Notable Bird	27/01/2010	07/04/2020	2	4
<i>Numenius phaeopus</i>	Eurasian Whimbrel		WCA Sch1 Pt1	Bird Red	24/04/2018	24/04/2018	1	3
<i>Scolopax rusticola</i>	Woodcock			Bird Red, Notable Bird	21/02/2009	21/02/2009	1	1
<i>Ardea cinerea</i>	Grey Heron				12/02/1995	22/05/2020	11	1
<i>Egretta garzetta</i>	Little Egret	Birds Dir A1		Notable Bird	22/01/2006	30/06/2020	7	1
<i>Columba livia</i>	Feral Pigeon				16/01/2008	30/06/2020	11	6
<i>Columba oenas</i>	Stock Dove			Bird Amber, Notable Bird	01/11/2007	30/06/2020	9	3
<i>Columba palumbus</i>	Woodpigeon				01/05/1982	30/06/2020	27	237
<i>Streptopelia decaocto</i>	Collared Dove				13/05/2007	30/06/2020	12	10
<i>Streptopelia turtur</i>	Turtle Dove		NERC S41	UK BAP Priority, Bird Red, Notable Bird	09/05/2014	09/05/2014	1	3
<i>Alcedo atthis</i>	Kingfisher	Birds Dir A1	WCA Sch1 Pt1	Bird Amber, Notable Bird	18/11/1990	12/03/2007	5	1
<i>Accipiter nisus</i>	Sparrowhawk				28/06/2006	10/09/2019	19	3
<i>Buteo buteo</i>	Buzzard				11/04/1998	12/07/2020	42	12
<i>Circus cyaneus</i>	Hen Harrier	Birds Dir A1	WCA Sch1 Pt1, NERC S41	Bird Red, Notable Bird	09/04/2014	09/04/2014	1	1

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Taxon name	Common name	International Designation	National Designation	Other Designation	Date of earliest record	Date of latest record	No. of records	Max. abundance
<i>Milvus milvus</i>	Red Kite	Birds Dir A1	WCA Sch1 Pt1	RedList Global post2001 NT, Notable Bird	09/04/2007	30/06/2020	23	3
<i>Falco peregrinus</i>	Peregrine	Birds Dir A1	WCA Sch1 Pt1	Notable Bird	03/10/2010	10/04/2015	3	1
<i>Falco subbuteo</i>	Hobby		WCA Sch1 Pt1	Notable Bird	25/05/1989	06/08/2017	7	2
<i>Falco tinnunculus</i>	Kestrel			Bird Amber, Notable Bird	01/03/1989	30/06/2020	42	2
<i>Alectoris rufa</i>	Red-legged Partridge				14/01/2009	10/09/2019	2	1
<i>Phasianus colchicus</i>	Pheasant				26/02/2006	07/04/2020	35	22
<i>Fulica atra</i>	Eurasian Coot				12/11/1982	01/03/2019	107	14
<i>Gallinula chloropus</i>	Moorhen				12/09/1991	22/05/2020	67	8
<i>Rallus aquaticus</i>	Water Rail				15/06/1989 - 15/06/1989	15/06/1989 - 15/06/1989	1	1
<i>Acrocephalus scirpaceus</i>	Reed Warbler				20/05/2008	30/06/2020	6	2
<i>Aegithalos caudatus</i>	Long-tailed Tit				30/12/2007	10/11/2019	11	8
<i>Alauda arvensis</i>	Eurasian Skylark		NERC S41	UK BAP Priority, Bird Red, Notable Bird	31/01/2007	30/06/2020	23	14
<i>Bombycilla garrulus</i>	Waxwing				31/10/2010	29/04/2013	11	33
<i>Certhia familiaris</i>	Treecreeper				16/01/2008	23/07/2009	3	4
<i>Coloeus monedula</i>	Jackdaw				01/11/2007	22/05/2020	20	36
<i>Corvus corax</i>	Northern Raven				02/05/2015	24/03/2016	2	2
<i>Corvus corone</i>	Carrion Crow				01/05/1982	30/06/2020	27	60
<i>Corvus frugilegus</i>	Rook				24/04/1990	30/06/2020	30	343
<i>Garrulus glandarius</i>	Jay				01/11/2007	19/09/2019	14	3
<i>Pica pica</i>	Eurasian Magpie				13/05/2007	30/06/2020	23	13
<i>Emberiza citrinella</i>	Yellowhammer		NERC S41	UK BAP Priority, Bird Red, Notable Bird	08/07/2008	23/05/2019	7	8
<i>Emberiza schoeniclus</i>	Common Reed Bunting		NERC S41	UK BAP Priority, Bird Amber, Notable Bird	20/11/2008	19/09/2019	4	2
<i>Carduelis carduelis</i>	Goldfinch				05/03/2007	30/06/2020	25	25
<i>Chloris chloris</i>	Greenfinch				13/05/2007	30/06/2020	22	14
<i>Fringilla coelebs</i>	Common Chaffinch				13/05/2007	30/06/2020	20	23
<i>Linaria cannabina</i>	Linnet		NERC S41	UK BAP Priority, Bird Red, Notable Bird	01/11/2007	30/06/2020	13	30
<i>Loxia curvirostra</i>	Red Crossbill		WCA Sch1 Pt1	Notable Bird	12/10/2011 - 21/10/2011	26/11/2011	2	21

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Taxon name	Common name	International Designation	National Designation	Other Designation	Date of earliest record	Date of latest record	No. of records	Max. abundance
<i>Pyrrhula pyrrhula</i>	Eurasian Bullfinch		NERC S41	UK BAP Priority, Bird Amber, Notable Bird	14/05/2007	19/09/2019	7	5
<i>Delichon urbicum</i>	Common House Martin			Bird Amber, Notable Bird	01/06/2001	19/09/2019	20	20
<i>Hirundo rustica</i>	Swallow			Notable Bird	02/04/2006	07/04/2020	37	30
<i>Riparia riparia</i>	Sand Martin			Notable Bird	18/08/2019	19/09/2019	4	3
<i>Anthus pratensis</i>	Meadow Pipit			Bird Amber, Notable Bird	14/01/2009	19/09/2019	6	62
<i>Anthus trivialis</i>	Tree Pipit		NERC S41	UK BAP Priority, Bird Red, Notable Bird	20/08/2019	25/08/2019	2	33
<i>Motacilla alba</i>	Pied Wagtail				16/01/2008	12/10/2016	6	10
<i>Motacilla alba yarrellii</i>	Pied Wagtail				05/01/2019	19/09/2019	3	12
<i>Motacilla cinerea</i>	Grey Wagtail			Bird Red, Notable Bird	17/09/2007 - 24/09/2007	25/08/2019	4	3
<i>Motacilla flava</i>	Western Yellow Wagtail		NERC S41	UK BAP Priority, Bird Red, Notable Bird	23/04/2013	19/09/2019	4	4
<i>Erithacus rubecula</i>	Robin				01/05/1982	30/06/2020	24	44
<i>Luscinia megarhynchos</i>	Nightingale			Bird Red, Notable Bird	12/05/1989 - 12/05/1989	01/05/2019	6	3
<i>Muscicapa striata</i>	Spotted Flycatcher		NERC S41	UK BAP Priority, Bird Red, Notable Bird	20/08/2019	10/09/2019	3	3
<i>Oenanthe oenanthe</i>	Wheatear			Notable Bird	12/10/2016	07/10/2018	3	2
<i>Phoenicurus ochruros</i>	Black Redstart		WCA Sch1 Pt1	Bird Red, Notable Bird	01/11/2011	09/04/2013	4	2
<i>Phoenicurus phoenicurus</i>	Redstart			Bird Amber, Notable Bird	25/08/2019	10/09/2019	2	3
<i>Saxicola rubetra</i>	Whinchat			Bird Red, Notable Bird	18/08/2019	25/08/2019	3	1
<i>Saxicola rubicola</i>	Stonechat				19/01/1992	19/09/2019	3	10
<i>Cyanistes caeruleus</i>	Eurasian Blue Tit				13/05/2007	30/06/2020	23	27
<i>Parus major</i>	Great Tit				09/04/2002	30/06/2020	21	19
<i>Pariparus ater</i>	Coal Tit				01/01/2007 - 29/01/2007	30/06/2020	14	2
<i>Poecile palustris</i>	Marsh Tit		NERC S41	UK BAP Priority, Bird Red, Notable Bird	16/01/2008	25/11/2008	2	1
<i>Passer domesticus</i>	House Sparrow		NERC S41	UK BAP Priority, Bird Red, Notable Bird	13/05/2007	30/06/2020	13	50
<i>Phylloscopus collybita</i>	Chiffchaff				09/04/2006	30/04/2020	34	13

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Taxon name	Common name	International Designation	National Designation	Other Designation	Date of earliest record	Date of latest record	No. of records	Max. abundance
<i>Phylloscopus inornatus</i>	Yellow-browed Warbler				12/10/2016	12/10/2016	2	1
<i>Phylloscopus trochilus</i>	Willow Warbler			Bird Amber, Notable Bird	02/04/2006	25/08/2019	10	6
<i>Prunella modularis</i>	Dunnock		NERC S41	UK BAP Priority, Bird Amber, Notable Bird	13/05/2007	30/06/2020	24	10
<i>Regulus ignicapilla</i>	Common Firecrest		WCA Sch1 Pt1	Notable Bird	19/10/2012 - 20/10/2012	19/09/2014	3	3
<i>Regulus regulus</i>	Goldcrest				15/10/2007	30/06/2020	15	7
<i>Sitta europaea</i>	Eurasian Nuthatch				17/03/1999	10/11/2019	8	2
<i>Sturnus vulgaris</i>	Starling		NERC S41	UK BAP Priority, Bird Red, Notable Bird	13/05/2007	30/06/2020	16	60
<i>Curruca communis</i>	Whitethroat			Notable Bird	02/04/2006	30/06/2020	21	15
<i>Curruca curruca</i>	Lesser Whitethroat				01/05/2008	30/06/2020	7	3
<i>Sylvia atricapilla</i>	Eurasian Blackcap				20/08/2006	30/06/2020	31	20
<i>Troglodytes troglodytes</i>	Eurasian Wren				13/05/2007	30/06/2020	20	19
<i>Turdus iliacus</i>	Redwing		WCA Sch1 Pt1	Bird Red	17/12/2007	10/04/2013	6	8
<i>Turdus merula</i>	Blackbird				01/05/1982	30/06/2020	30	64
<i>Turdus philomelos</i>	Song Thrush		NERC S41	UK BAP Priority, Bird Red, Notable Bird	15/01/2007 - 29/01/2007	30/06/2020	30	9
<i>Turdus pilaris</i>	Fieldfare		WCA Sch1 Pt1	Bird Red	12/03/2013	12/03/2013	1	1
<i>Turdus torquatus</i>	Ring Ouzel		NERC S41	UK BAP Priority, Bird Red	12/10/2013	12/10/2013	1	1
<i>Turdus viscivorus</i>	Mistle Thrush			Bird Red, Notable Bird	16/01/2008	10/11/2019	10	4
<i>Phalacrocorax carbo</i>	Cormorant				12/10/1987	20/08/2019	7	5
<i>Dendrocopos major</i>	Great Spotted Woodpecker				01/06/1986	22/05/2020	23	4
<i>Dryobates minor</i>	Lesser Spotted Woodpecker		NERC S41	UK BAP Priority, Bird Red, Notable Bird	15/06/1989 - 15/06/1989	15/06/1989 - 15/06/1989	1	1
<i>Picus viridis</i>	European Green Woodpecker			Notable Bird	01/06/1986	30/06/2020	52	4
<i>Podiceps cristatus</i>	Great Crested Grebe				12/02/1984	14/02/2019	52	6
<i>Tachybaptus ruficollis</i>	Little Grebe			Notable Bird	14/12/2009	29/03/2014	3	1
<i>Athene noctua</i>	Little Owl				03/06/2002	09/01/2014	2	1
<i>Strix aluco</i>	Tawny Owl			Bird Amber, Notable Bird	11/06/2006	30/06/2020	10	1
<i>Tyto alba</i>	Western Barn Owl		WCA Sch1 Pt1	Notable Bird	19/04/1989	04/10/2011	4	1

Table 6: Sussex notable bird records

Records in this table are from 1980 onwards.

The list of notable birds can be found in the appendix together with an explanation of the basis of selection.

N.B. Where 'Present' appears in abundance column, no single numerical figure for abundance was provided with the record.

Taxon name	Common name	Date	Grid reference	Location name	Abundance	Basis of selection
<i>Anas platyrhynchos</i>	Mallard	30/06/2020	TQ0748004510	Angmering	Present	Date
		22/05/2020	TQ0748004510	Angmering	Present	Date
		28/05/2018	TQ0705	Patching Hammerpot	Present	Date
		27/04/2016	TQ0805	Patching Pond	6 Present	Positive Breeding
		12/07/2013	TQ0805	Patching Pond	9 Present	Positive Breeding
		29/06/2009	TQ0805	Patching Pond	13 Present	Date, Positive Breeding
		17/06/2009	TQ00S	Angmering	Present	Date, Positive Breeding
		24/04/2009	TQ00S	Angmering	4 Present	Positive Breeding
		11/04/2009	TQ00X	Patching Pond	1 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	8 Present	Date, Positive Breeding
		17/06/2008	TQ0805	Patching Pond	6 Present	Date
		01/05/2008	TQ00X	Highdown nr Worthing	7 Present	Positive Breeding
		09/07/2007 - 16/07/2007	TQ0604	Angmering CP, Angmering	2 Present	Date
		04/06/2007	TQ0604	Angmering CP, Angmering	4 Present	Date
		07/05/2007 - 28/05/2007	TQ0604	Angmering CP, Angmering	2 Present	Date
		02/07/2006 - 23/07/2006	TQ0604	Angmering CP, Angmering	2 Present	Date
		04/06/2006 - 25/06/2006	TQ0604	Angmering CP, Angmering	2 Present	Date
		07/05/2006 - 28/05/2006	TQ0604	Angmering CP, Angmering	2 Present	Date
<i>Aythya fuligula</i>	Tufted Duck	17/04/2014	TQ0805	Patching Pond	2 Present	Positive Breeding
		29/05/2010	TQ0805	Patching Pond	1 Present	Date, Positive Breeding
		11/04/2009	TQ00X	Patching Pond	2 Present	Positive Breeding
		09/05/2008	TQ0805	Patching Pond	2 Present	Positive Breeding
<i>Cygnus olor</i>	Mute Swan	11/04/2009	TQ00X	Patching Pond	1 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	1 Present	Date, Positive Breeding
		02/06/2008	TQ087056	Patching Pond	1 Present	Date

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Taxon name	Common name	Date	Grid reference	Location name	Abundance	Basis of selection
		01/05/2008	TQ00X	Highdown nr Worthing	1 Present	Positive Breeding
		01/06/1989	TQ0805	Patching Pond	1 Present	Date, Positive Breeding
<i>Upupa epops</i>	Eurasian Hoopoe	25/05/2010	TQ0604	Angmering CP, Angmering	1 Present	Date
<i>Vanellus vanellus</i>	Lapwing	07/04/2020	TQ0748004510	Angmering	Present	Date
		20/05/2008	TQ076048	Angmering CP, Angmering	2 Present	Date
		01/05/2002	TQ0804	Highdown nr Worthing	1 Present	Date
		01/06/2001	TQ0804	Highdown nr Worthing	1 Present	Date, Positive Breeding
		11/04/1999	TQ084051	Angmering CP, Angmering	2 Present	Date, Positive Breeding
		20/05/1997	TQ082055	Patching Pond	1 Present	Date, Positive Breeding
		01/06/1993	TQ087049	Highdown nr Worthing	1 Present	Date, Positive Breeding
		24/04/1990	TQ0805	Patching Pond	1 Present	Date, Positive Breeding
<i>Larus canus</i>	Common Gull	20/08/2019	TQ00X	Highdown nr Worthing	1 Present	All Records
		30/01/2011	TQ069045	Angmering CP, Water Lane	7 Present	All Records
		14/01/2009	TQ00S	Angmering	Present	All Records
<i>Gallinago gallinago</i>	Snipe	07/04/2020	TQ0748004510	Angmering	Present	Date
<i>Columba oenas</i>	Stock Dove	30/06/2020	TQ0748004510	Angmering	Present	Date
		22/05/2020	TQ0748004510	Angmering	Present	Date
		23/05/2019	TQ00X	Highdown nr Worthing	1 Present	Date
		24/04/2009	TQ00S	Angmering	2 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	3 Present	Date, Positive Breeding
<i>Streptopelia turtur</i>	Turtle Dove	09/05/2014	TQ0604	Angmering	3 Present	Date
<i>Alcedo atthis</i>	Kingfisher	12/03/2007	TQ0604	Angmering CP, Angmering	1 Present	Date
		06/03/2007	TQ0805	Patching Pond,	1 Present	Date
		02/07/2006	TQ0604	Angmering CP, Angmering	1 Present	Date
<i>Milvus milvus</i>	Red Kite	30/06/2020	TQ0748004510	Angmering	Present	Date
		27/06/2019	TQ083052	Angmering	1 Present	Date
		23/05/2019	TQ00X	Highdown nr Worthing	2 Present	Date
		01/03/2019	TQ0805	Patching Pond	1 Present	Date
		15/06/2018	TQ084055	Patching	1 Present	Date
		26/03/2017	TQ0805	Patching Pond	1 Present	Date
		04/03/2017	TQ00X	Highdown nr Worthing	3 Present	Date
		04/06/2016	TQ0805	Patching	1 Present	Date
		29/05/2016	TQ00S	Angmering CP, Angmering	3 Present	Date
		20/03/2016	TQ080056	Patching	1 Adult	Date
		01/04/2014	TQ0805	Patching Pond	1 Present	Date

The Sussex Biodiversity Record Centre must be acknowledged whenever data is cited from this report.

Taxon name	Common name	Date	Grid reference	Location name	Abundance	Basis of selection
		01/03/2014	TQ0604	Angmering	1 Present	Date
		12/03/2013	TQ0805	Patching Pond	1 Present	Date
		29/03/2012	TQ0604	Angmering CP, Angmering	1 Present	Date
		15/07/2011	TQ00X	Burpham Perry Hill	3 Present	Date
		27/05/2011	TQ0604	Angmering CP, Angmering	2 Present	Date
		23/04/2011	TQ0604	Angmering CP, Angmering	1 Present	Date
		09/04/2007	TQ0805	Patching Pond	1 Present	Date
<i>Falco subbuteo</i>	Hobby	06/08/2017	TQ00S	Angmering CP, Angmering	1 Present	Date
		13/05/2016	TQ068047	Angmering CP, Angmering	2 Present	Date
		15/07/2011	TQ00X	Burpham Perry Hill	1 Present	Date
		08/07/2008	TQ00X	Highdown nr Worthing	1 Present	Date, Positive Breeding
		25/05/1989	TQ0705	Patching Hammerpot	1 Present	Date, Positive Breeding
<i>Falco tinnunculus</i>	Kestrel	30/06/2020	TQ0748004510	Angmering	Present	Date
		23/05/2019	TQ00X	Highdown nr Worthing	1 Present	Date
		11/11/2015	TQ0805	Patching Pond	1 Present	Positive Breeding
		14/10/2015	TQ0805	Patching Pond	1 Present	Positive Breeding
		29/05/2015	TQ0805	Patching	1 Present	Date, Positive Breeding
		20/04/2010	TQ00X	Highdown nr Worthing	2 Present	Positive Breeding
		01/06/2009	TQ088055	Patching Pond	1 Present	Date, Positive Breeding
		07/04/2009	TQ00X	Highdown nr Worthing	2 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	1 Present	Date, Positive Breeding
		01/05/2008	TQ00X	Highdown nr Worthing	2 Present	Date
		01/06/2007	TQ0804	Angmering CP, Angmering	1 Present	Date
		02/07/2006 - 23/07/2006	TQ0604	Angmering CP, Angmering	1 Present	Date
		18/06/2006	TQ0604	Angmering CP, Angmering	1 Present	Date
		20/05/2005	TQ0705	Castle Goring	2 Present	Date
		28/05/1999	TQ087056	Patching Pond	2 Present	Date
		09/06/1989	TQ0805	Angmering Avenals Farm	2 Present	Date, Positive Breeding
		01/03/1989	TQ0805	Patching Pond	1 Present	Positive Breeding
<i>Alauda arvensis</i>	Eurasian Skylark	30/06/2020	TQ0748004510	Angmering	Present	Date
		22/05/2020	TQ0748004510	Angmering	Present	Date
		23/05/2019	TQ00X	Highdown nr Worthing	2 Present	Date
		10/06/2017	TQ00S	Angmering CP, Angmering	1 Present	Date, Positive Breeding
		22/04/2017	TQ00X	Highdown nr Worthing	2 Present	Date

The Sussex Biodiversity Record Centre must be acknowledged whenever data is cited from this report.

Taxon name	Common name	Date	Grid reference	Location name	Abundance	Basis of selection
		19/06/2009	TQ00X	Highdown nr Worthing	1 Present	Date
		17/06/2009	TQ00S	Angmering	2 Present	Date, Positive Breeding
		24/04/2009	TQ00S	Angmering	1 Present	Date, Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	4 Present	Date, Positive Breeding
		01/05/2008	TQ00X	Highdown nr Worthing	11 Present	Date, Positive Breeding
		01/06/2007	TQ0804	Angmering CP, Angmering	2 Present	Date
<i>Emberiza citrinella</i>	Yellowhammer	20/04/2010	TQ00X	Highdown nr Worthing	4 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	2 Present	Positive Breeding
<i>Linaria cannabina</i>	Linnet	24/04/2009	TQ00S	Angmering	2 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	6 Present	Positive Breeding
		01/05/2008	TQ00X	Highdown nr Worthing	8 Present	Positive Breeding
<i>Pyrrhula pyrrhula</i>	Eurasian Bullfinch	02/04/2010	TQ00X	Highdown nr Worthing		Positive Breeding
<i>Delichon urbicum</i>	Common House Martin	17/06/2009	TQ00S	Angmering	7 Present	Positive Breeding
		01/06/2001	TQ0604	Angmering CP, Angmering	4 Present	Positive Breeding
<i>Hirundo rustica</i>	Swallow	17/06/2009	TQ00S	Angmering	4 Present	Positive Breeding
		07/04/2009	TQ00X	Highdown nr Worthing	2 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	8 Present	Positive Breeding
		01/05/2008	TQ00X	Highdown nr Worthing	7 Present	Positive Breeding
<i>Luscinia megarhynchos</i>	Nightingale	15/05/2013	TQ087056	Patching Pond	1 Present	Positive Breeding
		12/05/2013	TQ0805	Patching Pond	1 Present	Positive Breeding
		15/06/1989	TQ0805	Patching Pond	1 Present	Positive Breeding
		12/05/1989 - 12/05/1989	TQ0705	Angmering Park Estate	3 Present	Positive Breeding
<i>Passer domesticus</i>	House Sparrow	17/06/2009	TQ00S	Angmering	50 Present	Positive Breeding
		24/04/2009	TQ00S	Angmering	35 Present	Positive Breeding
<i>Phylloscopus trochilus</i>	Willow Warbler	16/04/2014	TQ0804	Angmering	1 Present	Positive Breeding
<i>Prunella modularis</i>	Dunnock	17/06/2009	TQ00S	Angmering	5 Present	Positive Breeding
		24/04/2009	TQ00S	Angmering	9 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	1 Present	Positive Breeding
		01/05/2008	TQ00X	Highdown nr Worthing	7 Present	Positive Breeding
<i>Regulus ignicapilla</i>	Common Firecrest	19/09/2014	TQ0604	Angmering	1 Present	Positive Breeding
<i>Sturnus vulgaris</i>	Starling	17/06/2009	TQ00S	Angmering	52 Present	Positive Breeding
		24/04/2009	TQ00S	Angmering	60 Present	Positive Breeding
<i>Turdus philomelos</i>	Song Thrush	17/06/2009	TQ00S	Angmering	4 Present	Positive Breeding
		24/04/2009	TQ00S	Angmering	5 Present	Positive Breeding

The Sussex Biodiversity Record Centre must be acknowledged whenever data is cited from this report.

Taxon name	Common name	Date	Grid reference	Location name	Abundance	Basis of selection
		07/04/2009	TQ00X	Highdown nr Worthing	1 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	1 Present	Positive Breeding
		01/05/2008	TQ00X	Highdown nr Worthing	2 Present	Positive Breeding
<i>Turdus torquatus</i>	Ring Ouzel	12/10/2013	TQ0604	Angmering	1 Present	All Records
<i>Turdus viscivorus</i>	Mistle Thrush	20/04/2015	TQ0704	Angmering	1 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	2 Present	Positive Breeding
		01/05/2008	TQ00X	Highdown nr Worthing	2 Present	Positive Breeding
<i>Picus viridis</i>	European Green Woodpecker	17/06/2009	TQ00S	Angmering	2 Present	Positive Breeding
		24/04/2009	TQ00S	Angmering	1 Present	Positive Breeding
		08/07/2008	TQ00X	Highdown nr Worthing	4 Present	Positive Breeding
		01/05/2008	TQ00X	Highdown nr Worthing	2 Present	Positive Breeding
		01/06/1986	TQ0805	Patching Pond	2 Present	Positive Breeding
<i>Tachybaptus ruficollis</i>	Little Grebe	29/03/2014	TQ0804	Angmering	1 Present	Positive Breeding
<i>Strix aluco</i>	Tawny Owl	30/06/2020	TQ0748004510	Angmering	Present	Date
		11/06/2006	TQ0604	Angmering CP, Angmering	1 Present	Date
<i>Tyto alba</i>	Western Barn Owl	04/10/2011	TQ07990507	Angmering CP	1 Adult	All Records
		06/01/2011	TQ0704	Angmering CP, Angmering	1 Present	All Records
		27/07/2007	TQ072052	Angmering CP, Angmering	Present	All Records
		19/04/1989	TQ0805	Patching Pond	1 Present	All Records

Table 7: Summary invasive non-native species records

This table summarises records from 1980 onwards. See table 8 for detailed records.

Maximum abundance = highest total number of species recorded at one time.

N.B. Where 'Present' appears in abundance column, no single numerical figure for abundance was provided with the record.

Taxon name	Common name	Invasive Non-Native Designation	Date of earliest record	Date of latest record	No. of records	Max. abundance
Birds						
<i>Aix galericulata</i>	Mandarin Duck	WCA Sch 9 INNS		24/03/2018	2	1
<i>Branta canadensis</i>	Canada Goose	WCA Sch 9 INNS	01/05/1982	07/04/2020	17	7
Higher Plants - Flowering Plants						
<i>Allium triquetrum</i>	Three-cornered Garlic	WCA Sch 9 INNS	20/05/2018	20/05/2018	1	1
<i>Centranthus ruber</i>	Red Valerian	Sussex INNS	01/05/2005	22/08/2013	2	1
<i>Cotoneaster horizontalis</i>	Wall Cotoneaster	WCA Sch 9 INNS	29/09/2010	29/09/2010	1	1
<i>Crocasmia pottsii x aurea = C. x crocosmiiflora</i>	Montbretia	WCA Sch 9 INNS	30/04/2016	30/04/2016	1	1
<i>Elodea canadensis</i>	Canadian Waterweed	WCA Sch 9 INNS	30/04/2016	30/04/2016	1	1
<i>Fallopia japonica</i>	Japanese Knotweed	WCA Sch 9 INNS	01/05/2005	24/08/2014	2	1
<i>Hyacinthoides non-scripta x hispanica = H. x massartiana</i>	Bluebell	Sussex INNS	30/04/2016	20/05/2018	2	1
<i>Lemna minuta</i>	Least Duckweed	Sussex INNS	22/08/2013	22/08/2013	1	1
<i>Nymphoides peltata</i>	Fringed Water-lily	Sussex INNS	1990	1990	1	1
<i>Petasites fragrans</i>	Winter Heliotrope	Sussex INNS	24/08/2014	24/08/2014	1	1
<i>Quercus ilex</i>	Evergreen Oak	Sussex INNS	01/05/2005	16/05/2016	4	1
<i>Rhododendron ponticum</i>	A Flowering Plant	WCA Sch 9 INNS	29/07/2005	22/10/2009	2	1

Table 8: Invasive non-native species records

Records in this table are from 1980 onwards.

N.B. Where 'Present' appears in abundance column, no single numerical figure for abundance was provided with the record.

Taxon name	Common name	Date	Grid reference	Location name	Abundance
Birds					
Aix galericulata	Mandarin Duck	24/03/2018	TQ0805	Patching Pond	1 Present
		17/02/2010	TQ00X	Highdown nr Worthing	1 Present
Branta canadensis	Canada Goose	07/04/2020	TQ0748004510	Angmering	Present
		14/02/2019	TQ0805	Patching Pond	1 Present
		12/03/2018	TQ0805	Patching Pond	2 Present
		11/02/2018	TQ0805	Patching Pond	2 Present
		15/02/2016	TQ0805	Patching Pond	7 Present
		27/02/2015	TQ0805	Patching Pond	2 Present
		02/04/2014	TQ0805	Patching Pond	2 Present
		01/04/2014	TQ0805	Patching Pond	1 Present
		27/04/2010	TQ0805	Patching Pond	
		20/04/2010	TQ00X	Highdown nr Worthing	2 Present
		17/04/2010	TQ0805	Patching Pond	2 Present
		08/03/2000	TQ087056	Patching Pond	4 Present
		12/03/1997	TQ0805	Patching Pond	2 Present
		12/02/1992	TQ0805	Patching Pond	2 Present
		12/02/1988	TQ0805	Patching Pond	5 Present
		12/02/1987	TQ0805	Patching Pond	2 Present
		01/05/1982	TQ0805	Patching Pond	1 Present
Higher Plants - Flowering Plants					
Allium triquetrum	Three-cornered Garlic	20/05/2018	TQ00S	Angmering: St Margaret's churchyard	Present
Centranthus ruber	Red Valerian	22/08/2013	TQ00X	Goring-by-Sea	Present
		01/05/2005	TQ00S	Angmering CP, Angmering	Present
Cotoneaster horizontalis	Wall Cotoneaster	29/09/2010	TQ00S	Angmering CP, Angmering	Present
Crocsmia pottsii x aurea = C. x crocosmiiflora	Montbretia	30/04/2016	TQ00X	Patching and Clapham	Present
Elodea canadensis	Canadian Waterweed	30/04/2016	TQ00X	Patching and Clapham	Present
Fallopia japonica	Japanese Knotweed	24/08/2014	TQ00X	Selden and Clapham	Present
		01/05/2005	TQ00S	Angmering CP, Angmering	Present

The Sussex Biodiversity Record Centre must be acknowledged whenever data is cited from this report.

Taxon name	Common name	Date	Grid reference	Location name	Abundance
<i>Hyacinthoides non-scripta</i> x <i>hispanica</i> = <i>H. x massartiana</i>	Bluebell	20/05/2018	TQ00S	Angmering: St Margaret's churchyard	Present
		30/04/2016	TQ00X	Patching and Clapham	Present
<i>Lemna minuta</i>	Least Duckweed	22/08/2013	TQ00X	Goring-by-Sea	Present
<i>Nymphoides peltata</i>	Fringed Water-lily	1990	TQ00X		Present
<i>Petasites fragrans</i>	Winter Heliotrope	24/08/2014	TQ00X	Selden and Clapham	Present
<i>Quercus ilex</i>	Evergreen Oak	16/05/2016	TQ00X	Highdown Hill and Gardens	Present
		30/04/2016	TQ00X	Patching and Clapham	Present
		08/08/2005	TQ00X	Highdown area	Present
		01/05/2005	TQ00S	Angmering CP, Angmering	Present
<i>Rhododendron ponticum</i>	A Flowering Plant	22/10/2009	TQ00S	North Angmering	Present
		29/07/2005	TQ00X	Patching Pond area	Present

Map Citation Sheets

Any citations currently available for designated sites within the search area can be seen on the following pages.

Useful Contacts

Please use the following contacts for further advice or interpretation of the data in this report.

Local Wildlife Sites

Organisation	Sussex Biodiversity Record Centre
Email	
Telephone	

Habitat data

Organisation	Sussex Biodiversity Record Centre
Email	
Telephone	

Geological Designations

Organisation	
Website	

Statutory site advice

Organisation	Natural England – Sussex and Kent Area Team
Email	
Telephone	
Website	

General conservation advice

Organisation	Sussex Wildlife Trust
Email	
Telephone	
Website	

County Species Recorders

Visit <http://www.sussexwildlifetrust.org.uk> for contact details of local experts covering most taxonomic groups.

Supplying records

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 but recommend the use of [iRecord](#).

Please contact the Record Centre for further information: [\[redacted\]](#)

The Sussex Biodiversity Record Centre must be acknowledged whenever data is cited from this report.

Annex – Supporting Information

Statutory site designations

Non-statutory site designations

Species designations

Sussex invasive non-native report

Statutory site designations

Site of Special Scientific Interest (SSSI)

Sites of Special Scientific Interest are areas notified under the Wildlife and Countryside Act 1981, as being of special interest for nature conservation. They represent the finest sites for wildlife and natural features supporting many characteristic, rare and endangered species, habitats and natural features. Notification as a SSSI is primarily a legal mechanism organised by Natural England and selected according to specific scientific criteria. *The Guidelines for the Selection of Biological SSSIs*, published in 1989 by the Joint Nature Conservation Council, set down the selection criteria for both biological and geological SSSIs.

There are over 4,000 SSSIs in England of which just under 150 are in Sussex. Natural England is responsible for identifying and protecting these sites. This is achieved, primarily, in partnership with SSSI owners and managers.

Under the Countryside and Rights of Way Act 2000 (CROW) anyone who intentionally or recklessly destroys or damages any of the flora, fauna or geological or physiological features of an SSSI is guilty of an offence. They are liable, on summary conviction, of a fine of up to £20,000.

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 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.

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 it came into being on 1st April 2010.

The Sussex Biodiversity Record Centre must be acknowledged whenever data is cited from this report.

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 the High Weald. Each has an associated body concerned with the area's conservation.

Marine Conservation Zone (MCZ)

Marine Conservation Zones can be established to protect nationally important marine wildlife, habitats, geology and geomorphology and can be designated anywhere in English and Welsh inshore and UK offshore waters. They are established under the Marine and Coastal Access Act (2009). MCZs will be one of six designations contributing to an ecologically coherent network of marine protected areas.

Local Nature Reserve (LNR)

Local Nature Reserves may be declared by local authorities under the National Parks and Access to the Countryside Act 1949. LNRs are declared and managed for nature conservation, and provide opportunities for research and education, or simply enjoying and having contact with nature. Some LNRs are also SSSIs. There are 36 LNRs in Sussex.

Country Park

Country Parks are statutorily declared and managed by local authorities in England and Wales under the Countryside Act 1968. They are primarily intended for recreation and leisure opportunities close to population centres and do not necessarily have any nature conservation importance. However, many are in areas of semi-natural habitat and so form a valuable network of locations at which informal recreation and the natural environment coexist. There are 11 Country Parks in Sussex, the details of which can be obtained from the local authorities.

Non-statutory site designations

Local Wildlife Site (LWS)

Formerly known as Sites of Nature Conservation Importance (SNCI), Local Wildlife Sites 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.

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 Local Wildlife Sites. The aim of this project 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** should recognise the importance of safeguarding important urban wildlife sites, to link all significant greenspaces and to ensure that people in towns have easy access to wildlife areas.

After extensive survey work, the selection of LWS was made 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 LWS 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 LWS selection is steered by the SxBRC, whereas in East Sussex it is steered by East Sussex County Council in partnership with the district and borough councils. Currently there are over 600 LWS in Sussex.

Although LWS 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.

LWS citations 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.

Local Geological Site (LGS)

Previously known as Regionally Important Geological/Geomorphological Sites (RIGGS), Local Geological Sites 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](#).

Designated Road Verge (DRV)

Designated Road Verges (DRVs) are areas of roadside verge that have been designated for their special wildlife interest. They can hold spectacular displays of wild flowers, including rare orchids and other plant species indicative of old meadows, and can be of great importance to invertebrates and fungi. There is no statutory protection for road verges, but they can be found within both non-statutory and statutory designations.

As linear features, road verges naturally traverse a wide range of habitat types, soils and geology. The species composition of DRVs can therefore be varied. Swathes of cow parsley, cuckoo flower, primroses and orchids can be found. Downland herbs, meadow flowers and heathers support a range of insects, as do the areas of bare ground which are used by nesting bees and wasps. Reptiles, amphibians and mammals can find shelter along these verges and use them as valuable green corridors.

As the Highway Authorities, the County Councils are responsible for the cutting and management of roadside verges, and they also have a responsibility to conserve biodiversity. Where health and safety measures allow, this is achieved by restricting cutting to certain times of the year (usually when wild flowers have set seed in late summer) and using different techniques to standard verge cutting.

The initiatives for designating and managing DRVs differ between East and West Sussex. DRVs in West Sussex are identified by short oak posts with red discs. In East Sussex they are marked by posts with yellow metal flowers.

In West Sussex, the following guidelines are used to help identify DRVs:

- 1) Site supports locally rare, notable or protected species of flora or fauna** e.g. the plant coralroot. This type of bittercress is only found in two localised areas of the UK; the Sussex Weald and the Chilterns.
- 2) Site is a good example of an uncommon, remnant or declining habitat** e.g. species of sandy grassland along Rock Road in the Parish of Washington.
- 3) Site has good overall species diversity** e.g. Mallions Lane near Cuckfield.
- 4) The assemblage of wild flowers has high aesthetic value** e.g. Franklyn Road outside Haywards Heath hospital with a wonderful display of common spotted orchids in early summer.
- 5) Site has wildlife value that is regarded as important by the local community** e.g. Barnham Road at Eastergate.

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. 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.

Species designations

International legislation

Birds Directive

The European Union meets its obligations for bird species under the Bern Convention and Bonn Convention and more generally by means of Directive 2009/147/EC (Birds Directive) on the conservation of wild birds. The Directive provides a framework for the conservation and management of, and human interactions with, wild birds in Europe.

Annex 1

Birds which are in danger of extinction; vulnerable to specific changes in their habitat; considered rare because of small populations or restricted local distribution; requiring particular attention for reasons of the specific nature of habitat. Their most suitable territories are protected by the designation of Special Protection Areas (SPA).

Habitats Directive

Council Directive 92/43/EEC on the Conservation of natural habitats and of wild fauna and flora, known as the Habitats Directive, was adopted in 1992. The Directive is the means by which the European Union meets its obligations under the Bern Convention. The Directive is transposed into UK law through the The Conservation of Habitats and Species Regulations 2010 (see below).

Annex 2

Species considered to be most in need of conservation at a European level (excluding birds). Special Areas of Conservation (SACs) are strictly protected sites designated under the Habitats Directive and provide a network of important high-quality conservation sites that will make a significant contribution to conserving Annex 2 species.

Priority species - Species which are endangered, the conservation of which the European Community has a particular responsibility in view of the proportion of their natural range which falls within the territory of the Community.

Non-priority species - Species of Community interest (i.e. endangered, vulnerable, rare or endemic in the European Community) whose conservation requires the designation of special areas of conservation.

Annex 4

Animal and plant species of Community interest (i.e. endangered, vulnerable, rare or endemic in the European Community) in need of strict protection. They are protected from killing, disturbance or the destruction of them or their habitat.

National legislation

The Conservation of Habitats and Species Regulations 2010

This is a transposition of the Habitats Directive into UK legislation. The Regulations provide for the designation and protection of 'European sites', the protection of 'European protected species', and the adaptation of planning and other controls for the protection of European Sites. Under the Regulations, government departments and public bodies have a general duty, in the exercise of any of their functions, to have regard to the Habitats Directive.

Schedule 2 lists European protected species of animals

Schedule 5 lists European protected species of plants

Wildlife & Countryside Act 1981

The Wildlife and Countryside Act 1981 (WCA) remains one of the most important pieces of wildlife legislation in Great Britain. This legislation is the means by which the Convention on the Conservation of European Wildlife and Natural Habitats (the 'Bern Convention') and the European Union Directives on the Conservation of Wild Birds (79/409/EEC) and Natural Habitats and Wild Fauna and Flora (92/43/EEC) are implemented. The Act is divided into four parts; Part I is concerned with the protection of wildlife and is split into 27 Sections. Schedules of species relevant to the planning process are detailed as follows:

Schedule 1 Part 1	Birds protected by special penalties at all times.
Schedule 5 Section 9.1 (killing/injuring)	Animals which are protected from intentional killing or injuring.
Schedule 5 Section 9.1 (taking)	Animals which are protected from taking.
Schedule 5 Section 9.4a	Animals which are protected from intentional damage or destruction to any structure or place used for shelter or protection.
Schedule 5 Section 9.4b	Animals which are protected from intentional disturbance while occupying a structure or place used for shelter or protection.
Schedule 8	Plants which are protected from intentional picking, uprooting or destruction (Section 13 Part 1a); selling, offering for sale, possessing or transporting for the purpose of sale, any plant (live or dead, part or derivative) (Section 13 Part 2a); advertising (any of these) for buying or selling (Section 13 Part 2b).
Natural Environment & Rural Communities (NERC) Act Section 41 Species Also known as 'Species of Principle Importance in England' and the 'England Biodiversity List', this list was developed to meet the requirements of Section 40 of the NERC Act (2006). The list is derived from the 2007 revised list of UK BAP Priority Species. It is used to guide decision-makers, such as public bodies, in implementing their duty under Section 40 of the Act 'to have regard' to the conservation of biodiversity in England, when carrying out their normal functions.	
Section 41	Lists species " <i>of principal importance for the purpose of conserving biodiversity</i> ".

Other species designations

IUCN Red List of Threatened Species

The IUCN Red List categories are intended to be an easily and widely understood system for classifying species at high risk of global extinction. The list is divided into nine categories, of which the following are used in this report:

Extinct	A taxon is Extinct when there is no reasonable doubt that the last individual has died. A taxon is presumed Extinct when exhaustive surveys in known and/or expected habitat, at appropriate times (diurnal, seasonal, annual), throughout its historic range have failed to record an individual. Surveys should be over a time frame appropriate to the taxon's life cycle and life form.
Extinct in the wild	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. A taxon is presumed Extinct in the Wild when exhaustive surveys in known and/or expected habitat, at appropriate times (diurnal, seasonal, annual), throughout its historic range have failed to record an individual. Surveys should be over a time frame appropriate to the taxon's life cycle and life form.
Critically endangered	A taxon is Critically Endangered when the best available evidence indicates that it meets any of the criteria A to E for Critically Endangered, and it is therefore considered to be facing an extremely high risk of extinction in the wild.
Endangered	A taxon is Endangered when the best available evidence indicates that it meets any of the criteria A to E for Endangered, and it is therefore considered to be facing a very high risk of extinction in the wild.
Vulnerable	A taxon is Vulnerable when the best available evidence indicates that it meets any of

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	the criteria A to E for Vulnerable, and it is therefore considered to be facing a high risk of extinction in the wild.
Near threatened	A taxon is Near Threatened when it has been evaluated against the criteria but does not qualify for Critically Endangered, Endangered or Vulnerable now, but is close to qualifying for or is likely to qualify for a threatened category in the near future.
Least concern	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. Widespread and abundant taxa are included in this category.
Data deficient	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. A taxon in this category may be well studied, and its biology well known, but appropriate data on abundance and/or distribution are lacking. Data Deficient is therefore not a category of threat. Listing of taxa in this category indicates that more information is required and acknowledges the possibility that future research will show that threatened classification is appropriate. It is important to make positive use of whatever data are available. In many cases great care should be exercised in choosing between DD and a threatened status. If the range of a taxon is suspected to be relatively circumscribed, and a considerable period of time has elapsed since the last record of the taxon, threatened status may well be justified.
Nationally rare/scarse species	
Nationally rare	Occurring in 15 or fewer hectads in Great Britain. Excludes rare species qualifying under the main IUCN criteria.
Nationally rare marine	Occurring in eight or fewer 10km x 10km grid squares containing sea (or water of marine saline influence) within the three mile territorial limit.
Nationally scarce	Occurring in 16-100 hectads in Great Britain. Excludes rare species qualifying under the main IUCN criteria. This category replaces Notable, Notable A and Notable B.
Nationally scarce marine	Occurring in nine to 55 10km x 10km grid squares containing sea (or water of marine saline influence) within the three mile territorial limit.
Nationally Notable A	Taxa which do not fall within Red Data Book categories but which are none-the-less uncommon in Great Britain and thought to occur in 30 or fewer 10km squares of the National Grid or, for less-well recorded groups, within seven or fewer vice-counties. Superseded by Nationally Scarce, and therefore no longer in use.
Nationally Notable B	Taxa which do not fall within Red Data Book categories but which are none-the-less uncommon in Great Britain and thought to occur in between 31 and 100 10km squares of the National Grid or, for less-well recorded groups, between eight and twenty vice-counties. Superseded by Nationally Scarce, and therefore no longer in use.
Nationally Notable	Species which are estimated to occur within the range of 16 to 100 10km squares. (subdivision into Notable A and Notable B is not always possible because there may be insufficient information available). Superseded by Nationally Scarce, and therefore no longer in use.
Birds of Conservation Concern 4: Red list	Birds 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
Birds of Conservation Concern 4: Amber list	Birds with an unfavourable conservation status in Europe; those whose population or range has declined moderately in recent years; those whose population has declined

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	historically but made a substantial recent recovery; rare breeders; and those with internationally important or localised populations.
UK Biodiversity Action Plan Priority Species	The UK List of Priority Species contains 1150 species that have been listed as priorities for conservation action under the UK Biodiversity Action Plan (UK BAP).
Local inventories	
Sussex Rare Species Inventory	The Sussex Rare Species Inventory contains over 3,400 species. These species are selected according to strict criteria of rarity associated with their occurrence in Sussex. It includes species which fall into the above categories of rarity as well as county rarities.
Sussex Notable Bird List	The Sussex Notable Bird List consists of species that are particularly scarce or vulnerable to development. See next page for full details.

Sussex Notable Bird List

The Sussex Notable Bird List consists of species that are particularly scarce or vulnerable to development. It includes species which are either on the Birds of Conservation Concern Red and Amber lists, NERC Section 41 or Schedule 1 species known to have bred in Sussex, have been recorded in summer and may breed in the future or have vulnerable overwintering populations in Sussex. Table 6 of the report will show records of these species based on selection criteria decided on by the Sussex Ornithological Society (SOS).

These records are not available to the general public due to the sensitivity of the data. The SOS has kindly shared these records with us, with the view that better planning decisions can be made with their availability.

Below is the list of species and the date ranges/criteria for their inclusion:

Species	Record type treated as notable in Sussex
Dark-bellied Brent Goose	All records
Mute Swan	Confirmed or probable breeding or late May - early July records
Bewick's Swan	All records
Whooper Swan	All records
White-fronted Goose	All records
European Greater White-fronted Goose	All records
Greenland Greater White-fronted Goose	All records
Common Shelduck	Confirmed or probable breeding or late May - early July records
Wigeon	Confirmed or probable breeding or late May - early July records
Gadwall	Confirmed or probable breeding or late May - early July records
Teal	Confirmed or probable breeding or late May - early July records
Mallard	Confirmed or probable breeding or late May - early July records
Pintail	Confirmed or probable breeding or late May - early July records
Garganey	Confirmed or probable breeding or late May - early July records
Shoveler	Confirmed or probable breeding or late May - early July records
Pochard	Confirmed or probable breeding or late May - early July records
Tufted Duck	Confirmed or probable breeding or late May - early July records
Scaup	All records
Common Scoter	All records
Little Egret	Confirmed or probable breeding records + roost
Purple Heron	All records
Bittern	All records
Little Bittern	All records
Spoonbill	All records
Black Grouse	All records
Grey Partridge	Confirmed or probable breeding or March - August records
Quail	Confirmed or probable breeding or March - August records
Red-throated Diver	All records
Black-throated Diver	All records
Great Northern Diver	All records
Little Grebe	Confirmed or probable breeding or late May - early August records
Slavonian Grebe	All records
Fulmar	Confirmed or probable breeding records
Balearic Shearwater	All records
Leach's Petrel	All records
Honey-buzzard	Information provided in summary only
Red Kite	Confirmed or probable breeding or March - August records + roost
White-tailed Eagle	All records
Marsh Harrier	Information provided in summary only
Hen Harrier	Roost
Pallid Harrier	All records
Montagu's Harrier	Information provided in summary only
Goshawk	Information provided in summary only
Golden Eagle	All records

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Osprey	Mid-May to July records
Kestrel	Confirmed or probable breeding or May - July records
Merlin	All records
Hobby	Confirmed or probable breeding or April - August records
Gyr Falcon	All records
Peregrine	Information provided in summary only
Spotted Crane	Information provided in summary only
Corncrake	All records
Oystercatcher	Confirmed or probable breeding or late May - early July records
Little Ringed Plover	Confirmed or probable breeding or April - July records
Ringed Plover	Confirmed or probable breeding or late May - early July records
Dotterel	All records
Lapwing	Confirmed or probable breeding or April - June records
Black-winged Stilt	April to August records
Avocet	Confirmed or probable breeding or March - July records
Stone-curlew	Information provided in summary only
Common Sandpiper	Confirmed or probable breeding or late May - early July records
Snipe	Confirmed or probable breeding or April - July records
Curlew	Confirmed or probable breeding or April - July records
Woodcock	Confirmed or probable breeding or March - August records
Ruff	All records
Black-tailed Godwit	All records
Redshank	Confirmed or probable breeding or April - July records
Wood Sandpiper	All records
Red-necked Phalarope	All records
Little Gull	All records
Little Tern	Confirmed or probable breeding records
Mediterranean Gull	Confirmed or probable breeding records
Common Gull	Confirmed or probable breeding records
Lesser Black-backed Gull	Confirmed or probable breeding records
Yellow-legged Gull	Confirmed or probable breeding or April - June records
Herring Gull	Confirmed or probable breeding records
Great Black-backed Gull	Confirmed or probable breeding records
Black-headed Gull	Confirmed or probable breeding records
Kittiwake	Confirmed or probable breeding records
Black Tern	All records
Sandwich Tern	Confirmed or probable breeding records
Common Tern	Confirmed or probable breeding records
Roseate Tern	All records
Stock Dove	Confirmed or probable breeding or May - July records
Turtle Dove	Confirmed or probable breeding or May - July records
Cuckoo	Confirmed or probable breeding or May - July records
Barn Owl	All records
Snowy Owl	All records
Tawny Owl	Confirmed or probable breeding or May - July records
Long-eared Owl	Confirmed or probable breeding or March - July records + roost
Short-eared Owl	Confirmed or probable breeding or May - July records
Nightjar	Confirmed or probable breeding or May - July records
Swift	Confirmed or probable breeding records
Kingfisher	Confirmed or probable breeding or March - August records
Bee-eater	Confirmed or probable breeding or May - July records
Hoopoe	Confirmed or probable breeding or May - July records
Wryneck	Confirmed or probable breeding or May - July records
Green Woodpecker	Confirmed or probable breeding records
Lesser Spotted Woodpecker	All records
Aquatic Warbler	All records
Marsh Warbler	Information provided in summary only
Cetti's Warbler	Confirmed or probable breeding or March - August records

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Grasshopper Warbler	Confirmed or probable breeding or May - July records
Savi's Warbler	Information provided in summary only
Wood Warbler	Confirmed or probable breeding or April - August records
Willow Warbler	Confirmed or probable breeding records
Woodlark	Confirmed or probable breeding or February - August records
Skylark	Confirmed or probable breeding or April - July records
Sand Martin	Confirmed or probable breeding records
Swallow	Confirmed or probable breeding records
House Martin	Confirmed or probable breeding records
Tree Pipit	Confirmed or probable breeding or May - July records
Meadow Pipit	Confirmed or probable breeding or May - July records
Yellow Wagtail	Confirmed or probable breeding or May - June records
Blue-headed Wagtail	Confirmed or probable breeding or May - June records
Grey Wagtail	Confirmed or probable breeding or May - June records
Dunnock	Confirmed or probable breeding records
Nightingale	Confirmed or probable breeding records
Bluethroat	All records
Black Redstart	May – July records
Redstart	Confirmed or probable breeding or April - July records
Whinchat	Confirmed or probable breeding or May - July records
Wheatear	Confirmed or probable breeding or May - July records
Ring Ouzel	All records
Song Thrush	Confirmed or probable breeding records
Mistle Thrush	Confirmed or probable breeding records
Spotted Flycatcher	Confirmed or probable breeding records
Pied Flycatcher	Confirmed or probable breeding or May - July records
Whitethroat	Confirmed or probable breeding records
Dartford Warbler	Confirmed or probable breeding or March - August records
Bearded Tit	Confirmed or probable breeding or March - August records
Firecrest	Confirmed or probable breeding or May - August records
Willow Tit	All records
Marsh Tit	Confirmed or probable breeding or April - July records
Red-backed Shrike	Information provided in summary only
Chough	All records
Starling	Confirmed or probable breeding records
House Sparrow	Confirmed or probable breeding records
Tree Sparrow	All records
Lesser Redpoll	Confirmed or probable breeding or May - July records
Linnet	Confirmed or probable breeding records
Twite	All records
Serin	All records
Common Crossbill	Confirmed or probable breeding or February - June records
Bullfinch	Confirmed or probable breeding records
Hawfinch	All records
Yellowhammer	Confirmed or probable breeding records
Cirl Bunting	All records
Reed Bunting	Confirmed or probable breeding records
Corn Bunting	All records

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Sussex Invasive Non-Native Species (INNS)

The Sussex invasive non-native species (INNS) report is produced in order to help minimise the threat posed by invasive species in Sussex. An invasive non-native species is defined as a species whose introduction and/or spread threatens biological diversity. The INNS table includes records of non-native species listed in Schedule 9 of the Wildlife & Countryside Act 1981 (WCA) and 26 other species not in this Schedule but which pose a particular risk in Sussex. These additional species are:

Scientific name	Common name
<i>Pseudorasbora parva</i>	Topmouth Gudgeon
<i>Leucaspis delineates</i>	Sunbleak
<i>Amsinckia micrantha</i>	Common Fiddleneck
<i>Centranthus ruber</i>	Red Valerian
<i>Gaultheria shallon</i>	Shallon
<i>Hyacinthoides hispanica</i>	Spanish Bluebell
<i>Nymphoides peltata</i>	Fringed Water-lily
<i>Petasites fragrans</i>	Winter Heliotrope
<i>Prunus laurocerasus</i>	Cherry Laurel
<i>Hyacinthoides non-scripta</i> x <i>hispanica</i> = <i>H. x massartiana</i>	Hybrid Bluebell
<i>Lemna minuta</i>	Least Duckweed
<i>Acaena novae-zelandiae</i>	Pirri-pirri-bur
<i>Lysichiton americanus</i>	American Skunk Cabbage
<i>Cortaderia selloana</i>	Pampas Grass
<i>Quercus ilex</i>	Evergreen Oak
<i>Harmonia axyridis</i>	Harlequin Ladybird
<i>Lilioceris lili</i>	Lily Beetle
<i>Cameraria ohridella</i>	Horse-Chestnut Leaf-miner
<i>Campylopus introflexus</i>	Heath Star Moss
<i>Trachemys scripta</i>	Red-eared Terrapin
<i>Lithobates catesbeianus</i>	American Bullfrog
<i>Styela clava</i>	Leathery Sea Squirt
<i>Dreissena polymorpha</i>	Zebra Mussel
<i>Dreissena rostriformis bugensis</i>	Quagga Mussel
<i>Lymantria dispar</i>	Gypsy Moth
<i>Thaumetopoea processionea</i>	Oak Processionary Moth

What's the problem

With no natural predators and a benign climate, INNS can out-compete our native plant and animal species. For example, some invasive plant 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, INNS 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.

Legislation

Section 14 of the Wildlife and Countryside Act 1981 (WCA) is the principal legislation dealing with non-native species. Schedule 9 lists plant and animal species to which Section 14 applies.

Section 14 makes it illegal to release or allow to escape into the wild any animal which is not ordinarily resident in Great Britain and is not a regular visitor to Great Britain in a wild state, or is listed in Schedule 9 to the Act. It is also illegal to plant or otherwise cause to grow in the wild any plant listed in Schedule 9 to the Act.

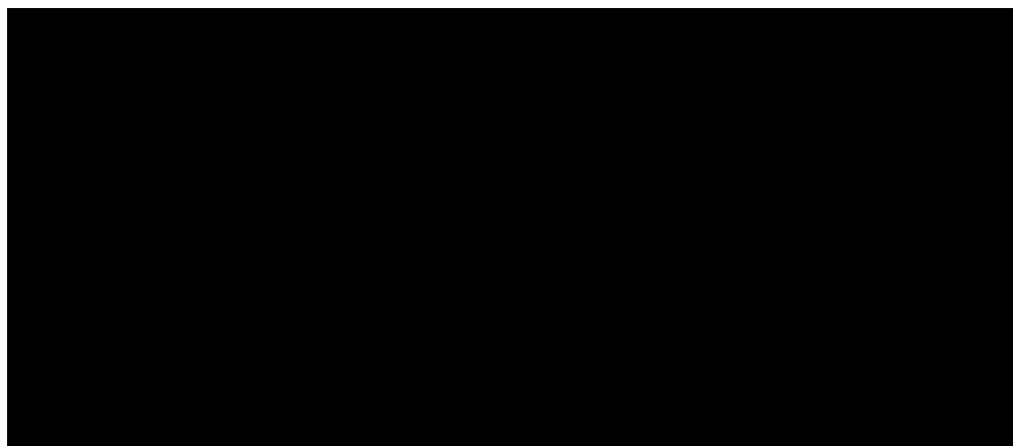
What to do if there is an invasive alien species on your site

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 is an invasive non-native species at your site that is not in this report please email us at info@sxbrc.org.uk or call 01273 497570 so that we can update our database.

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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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Sussex
Wildlife Trust