



Sussex's Flora & Fauna

Recording it today, keeping it for tomorrow

Clare Blencowe

Manager of Sussex Biodiversity Record Centre

Carthusian Snail at Southerham

GRAEME LYONS / Sussex Wildlife Trust



**Sussex
Biodiversity
Record Centre**

@SxBRC



What I'm going to be talking about

- What is Sussex Biodiversity Record Centre?
- Making information on Sussex's flora & fauna accessible
 - Biological recording
 - Habitat mapping
- How biodiversity information is used
- The Sussex Local Wildlife Site Initiative
- How you can get involved





I joined Sussex Biodiversity Record Centre three years ago







currently very interested in fungi!

What is the
Sussex Biodiversity
Record Centre?





A repository for local
biodiversity information



~~A repository for local
biodiversity information~~



A local biodiversity
information service



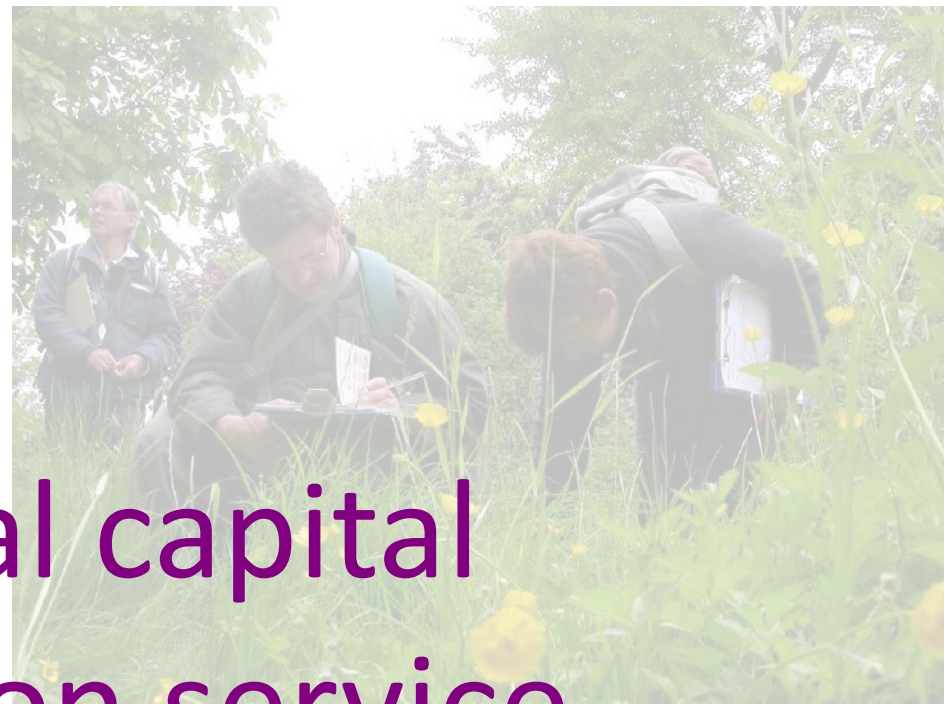
~~A repository for local
biodiversity information~~



A local biodiversity
information service

and geodiversity





A natural capital information service for Sussex

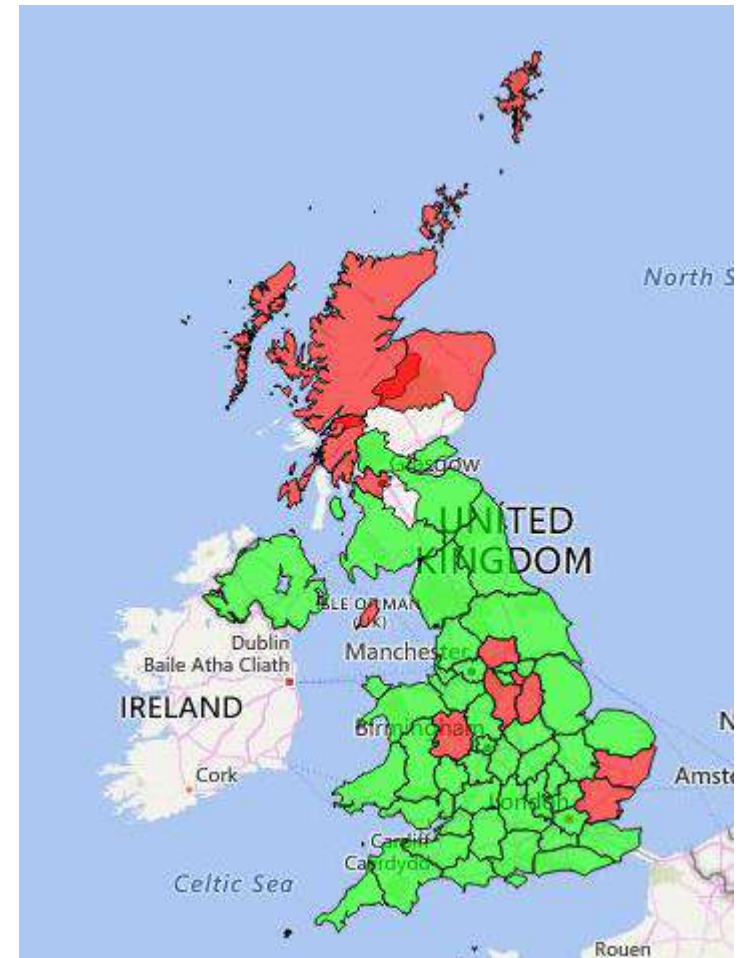


Sussex Biodiversity Record Centre

- We are an impartial provider of environmental information services encompassing biodiversity, geodiversity and other aspects of Sussex's natural capital
- We work in partnership with data users and data providers, for public benefit
- We are not for profit and hosted by Sussex Wildlife Trust
- We are one of many local environmental record centres situated around the UK

Association of Local Environmental Record Centres

- A community interest company formed in 2009 – providing a central voice for LERCs
- Raises awareness of the services that LERCs provide
- Runs an LERC accreditation system
- Supports LERCs in developing and improving their services
- An active member of the National Biodiversity Network



What types of information
do we collect on Sussex's
flora and fauna?



Wildlife sightings, or 'biological records'



SFG

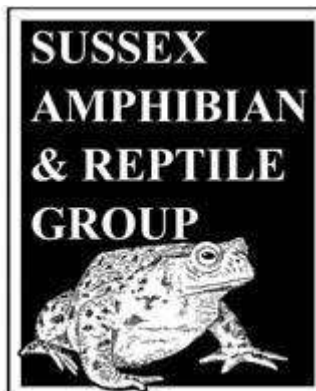
Sussex Fungus Group

WWFRG

West Weald Fungus
Recording Group



Sussex
Biodiversity
Record Centre



SBRS

Sussex Botanical Recording Society



THE BIRDS OF SUSSEX

Sussex Ornithological Society

in association with the British Trust for Ornithology



SFG
Sussex Fungus Group





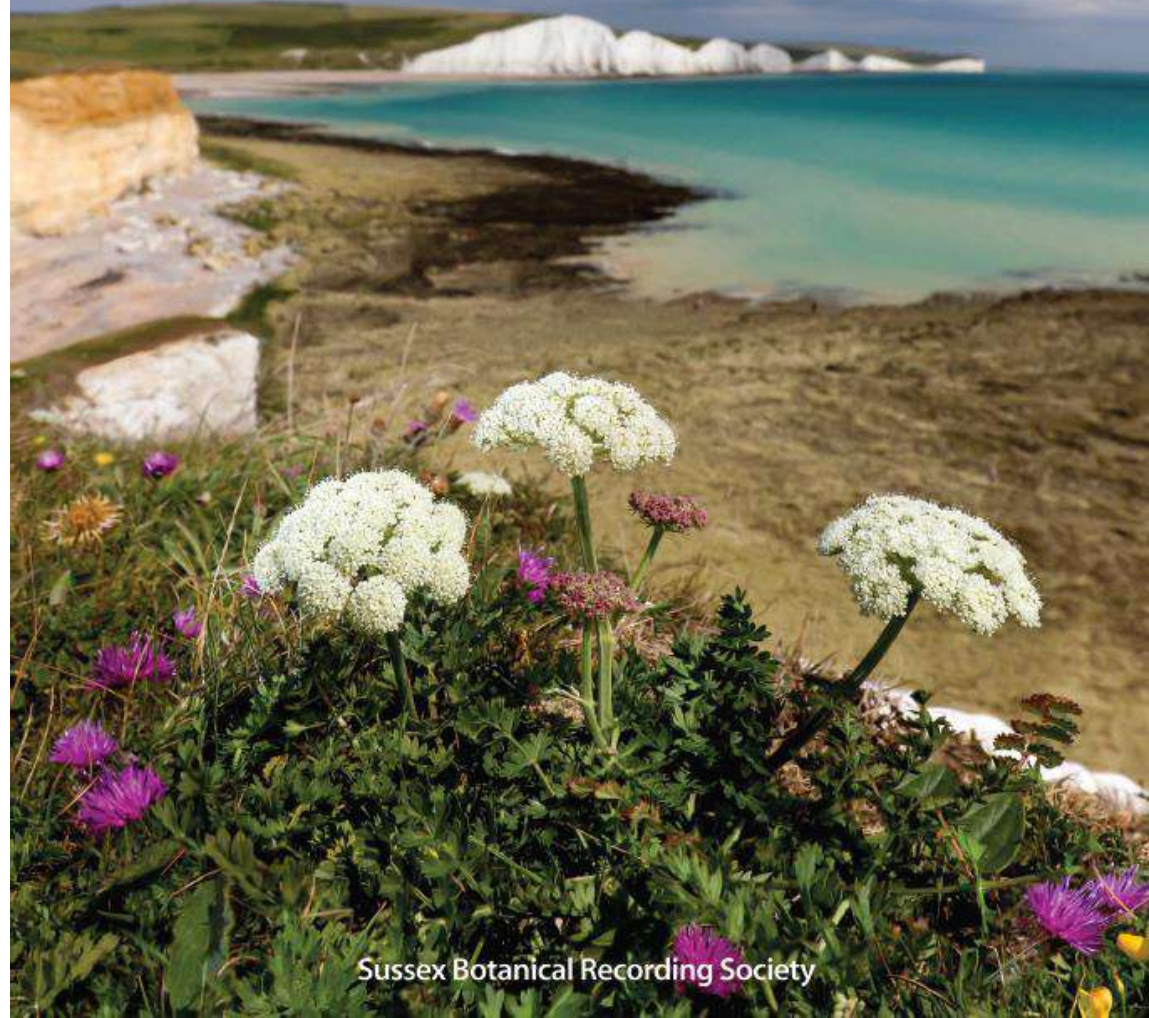
SBRS

Sussex Botanical Recording Society



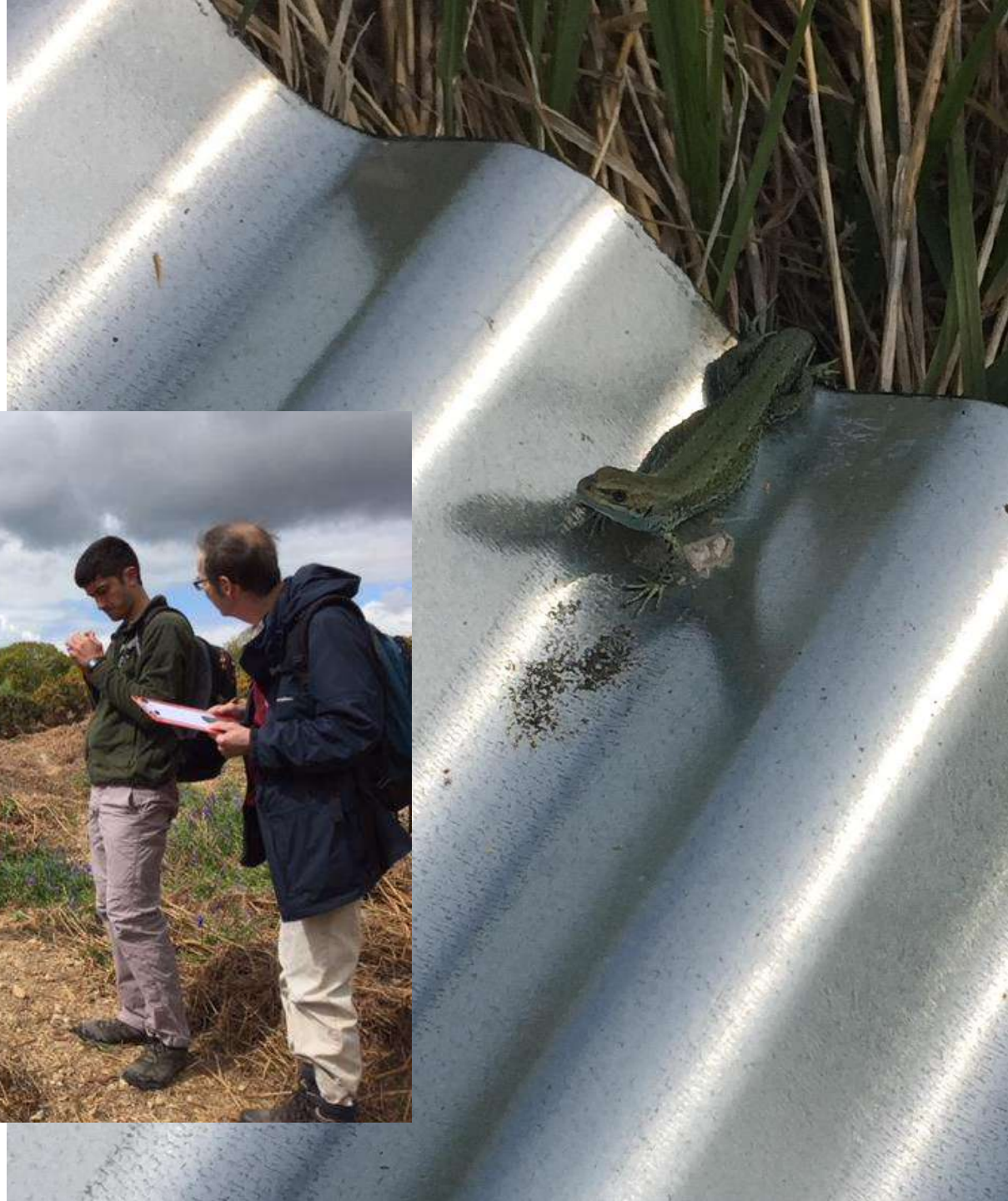
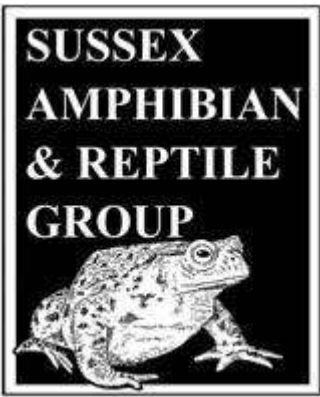
IMAGE © Wendy Tagg

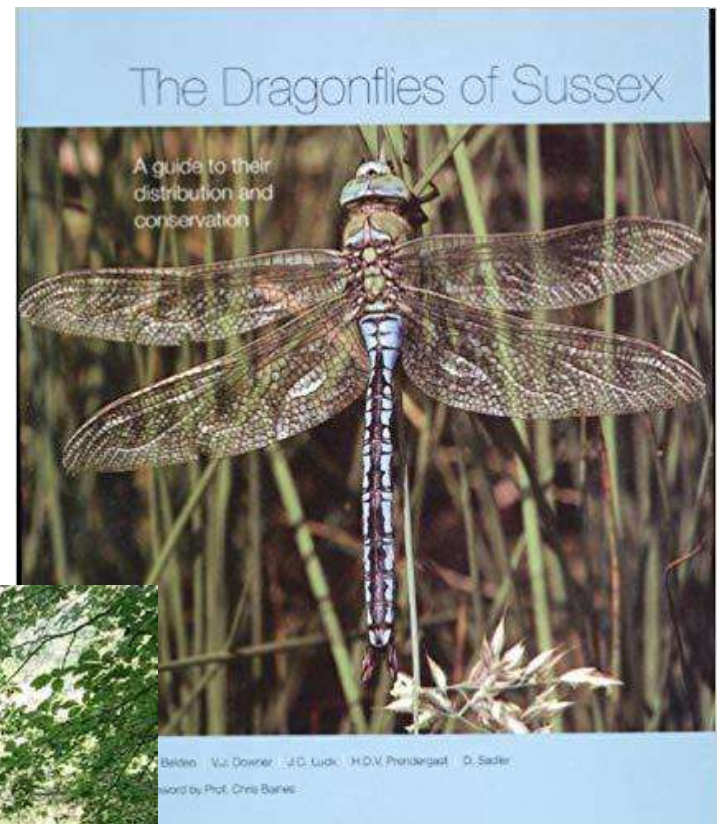
THE FLORA OF SUSSEX



Sussex Botanical Recording Society









Sussex Moth Group

[Home](#)[Sussex Moths](#)[Checklists](#)[Sign In](#)[Upload Images](#)[General Info](#)[Contact Us](#)[Links](#)[Sign In >>](#)**Species search:**

Welcome to the Sussex Moth Group website

Tweets by @SussexMothGroup

 Sussex Moth Group Retweeted



Tamara Jewell
@TamaraJewell3

Replying to @SussexEmerald and 4 others

Snap! A Youth Ranger @GGPWildlife noticed one of these yesterday #Tilgate. I was just about to try and identify it!



Jun 7, 2018

The main intention of this site is to provide as accurate and up to date a picture as is possible of the status, distribution and phenology of all the species of moth that have been recorded in Sussex.

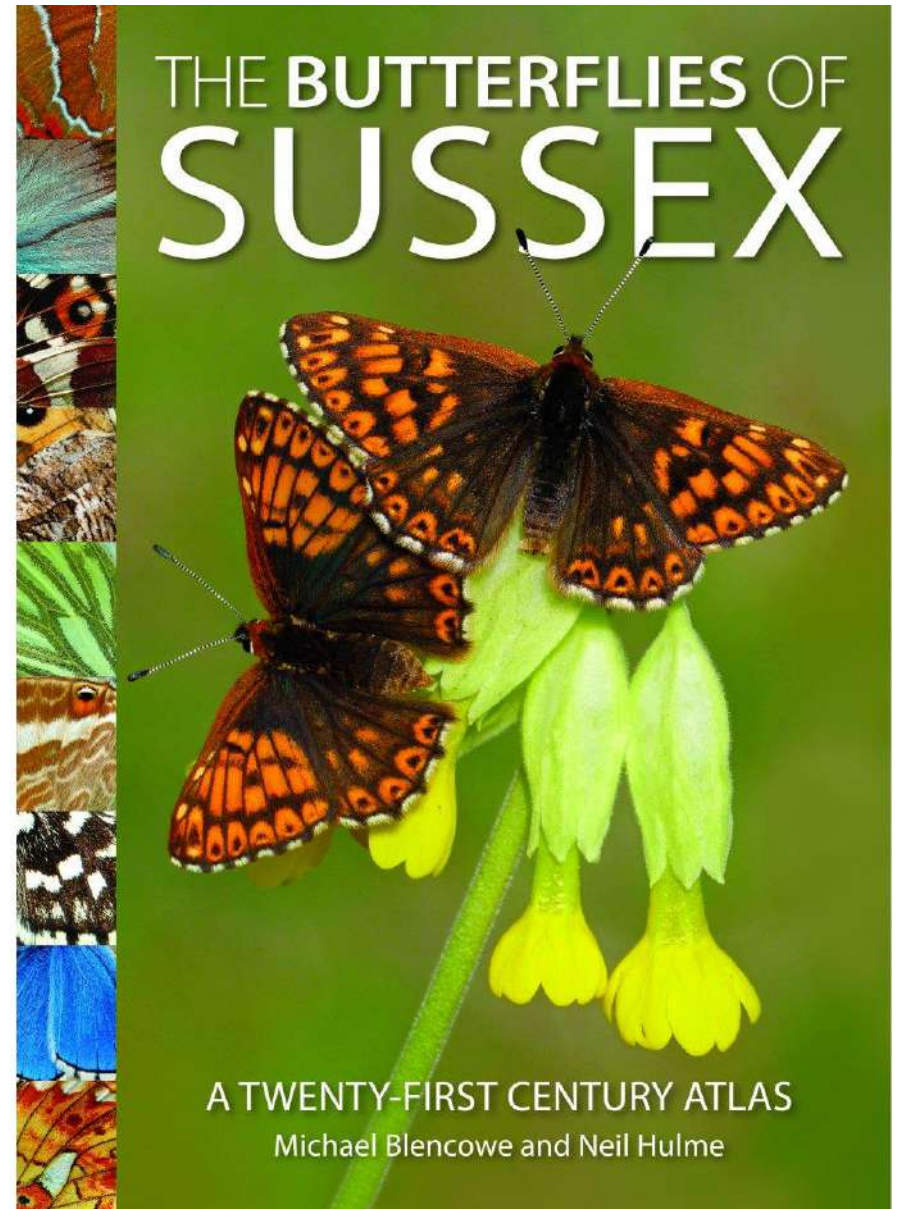
The site aims to provide, not only up to date information and news on moths and **mothing events** in Sussex but also, on our **sightings page**, an insight into the more interesting moth species that are being recorded by our members. For more information on both butterfly and moth sightings go to the **Sightings Page** on the Sussex Branch of Butterfly Conservation's website.

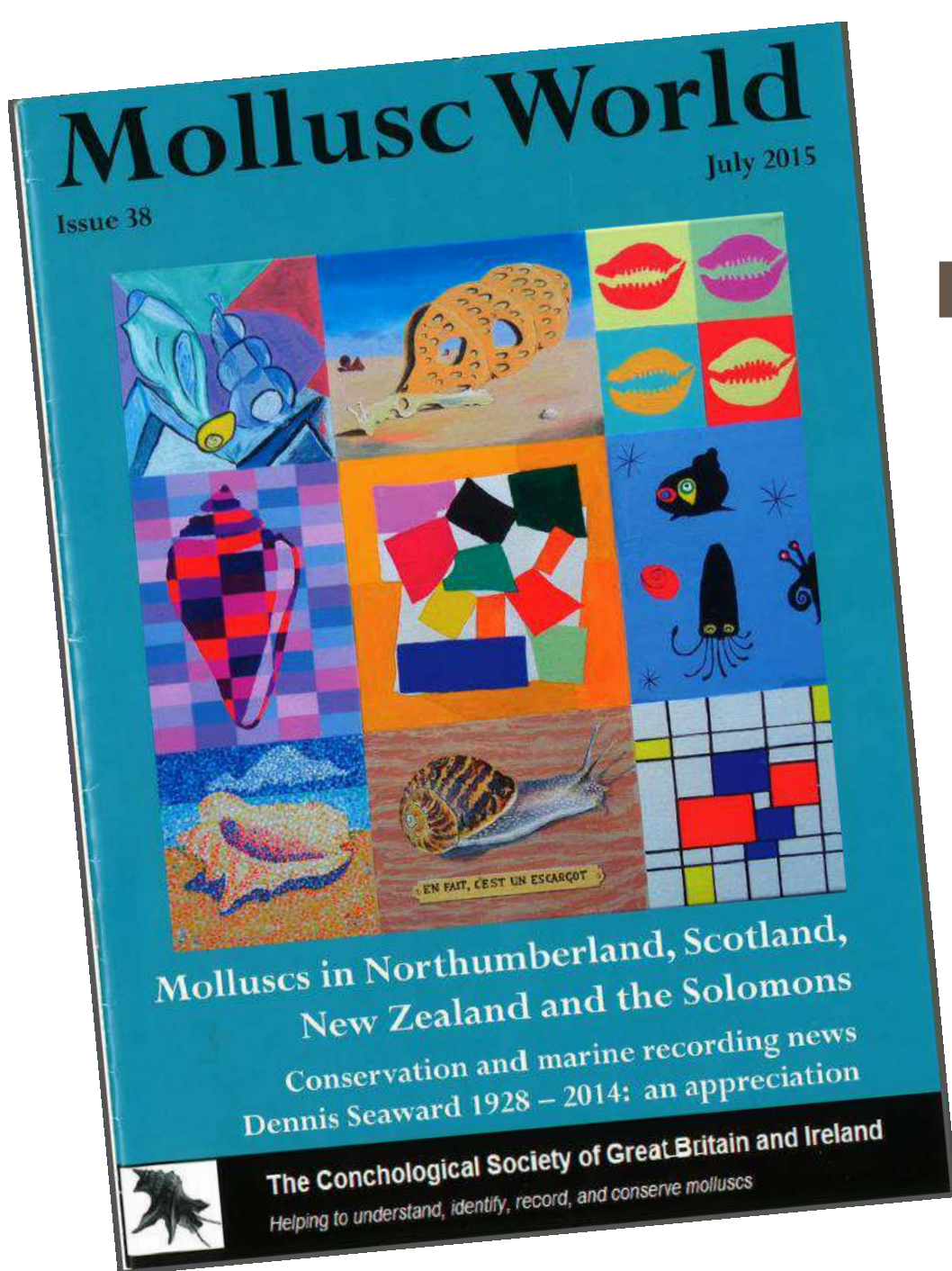
NEW For the **January 2014** edition of Butterfly Conservation's "E-moth newsletter" **go to the Downloads page**.



IMAGE © Steve Wheatley | Butterfly Conservation







... plus all the National Recording Schemes

Biological Record Centre

@__BRC__



National Biodiversity Network

@NBNTTrust

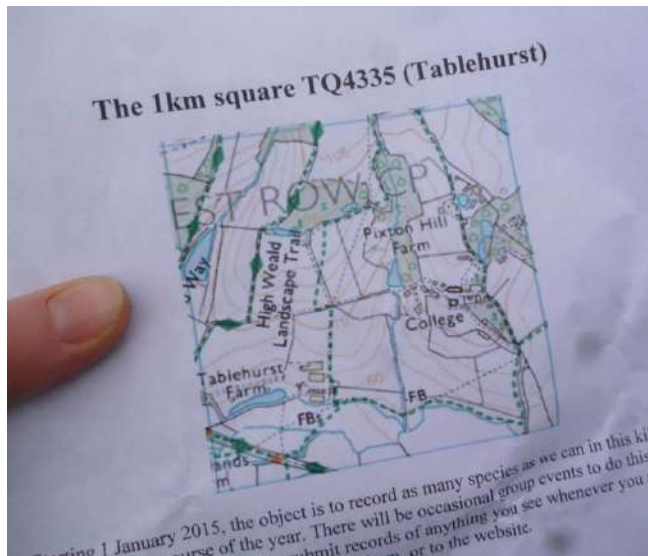




NATURE'S BOOK

[HOME](#)[EVENTS](#)[PROJECTS](#)[ABOUT](#)[EMAIL LIST AND CONTACT US](#)

Forest Row natural history group, and related observations



Graeme Lyons – SWT Ecologist – 6,968 species recorded in the UK

Many species new to Sussex, mostly on SWT Reserves

Data helps make management decisions


www.analternativenaturalhistoryofsussex.blogspot.co.uk

A screenshot of a blog post titled "The Hunchback of Wolstonbury Hill" by Graeme Lyons, dated Monday 4 June 2012 20:44. The post features a large image of a robberfly (Leptarthrus brevis) on a green leaf. The text describes a walk up Wolstonbury Hill to see Man Orchids in flower. A sidebar shows "TOTAL PAGEVIEWS" as 154197 and "BEST SHOTS" with a small image of a dragonfly. Below the main text is a photo of a pink flower and a bio for Graeme Lyons, who is an ecologist for Sussex Wildlife Trust and runs identification courses.


Home Listing TV Films Courses Podcast

The Hunchback of Wolstonbury Hill


Posted by Graeme Lyons, Monday 4 June 2012 20:44



I went a walk up Wolstonbury Hill this afternoon to see if there were any Man Orchids in flower. I didn't see any but did manage to take a shot of this robberfly *Leptarthrus brevis*. We were shown this species by Steven Falk at Southerham a few weeks ago and since then I have seen it on several other chalk-grassland sites. Always nice to see Sainfoin too.



ABOUT ME

 Graeme Lyons
Brighton, Sussex,
United Kingdom

I have been studying natural history for some twenty years, ten in a professional capacity. I currently work in Sussex as the Ecologist for Sussex Wildlife Trust. I have recently taken on the role of chairman for Sussex Moth Group. I run a number of identification courses and I also do a small amount of freelance ecological consultancy.

A banner with a dark red background. On the left, the text "Pan-species Listing" is written in a white, handwritten-style font. On the right, the text "Recording all species" is written in a white, sans-serif font, with "all" underlined.

Pan-species Listing

Recording all species

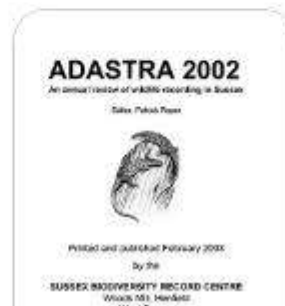
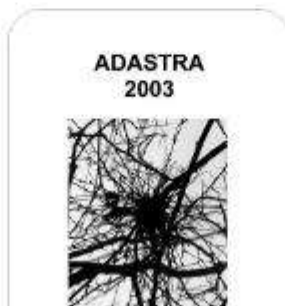
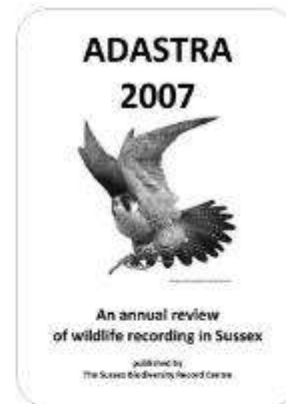
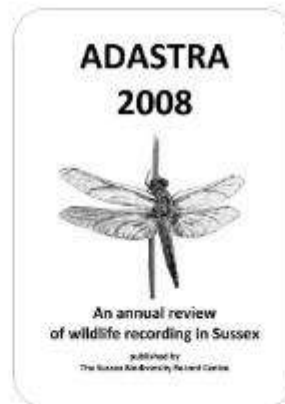
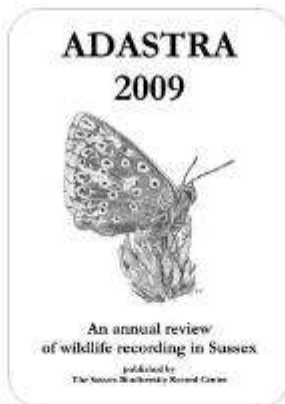
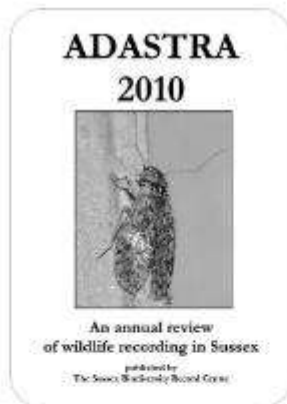
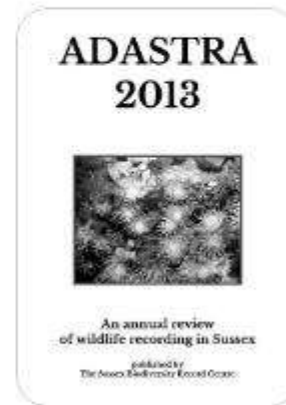
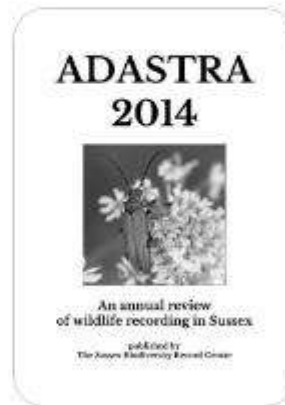
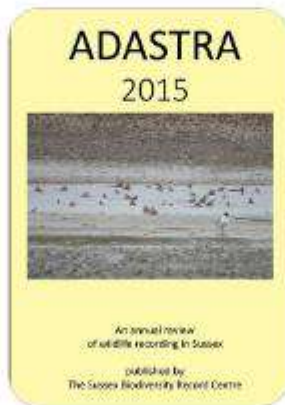
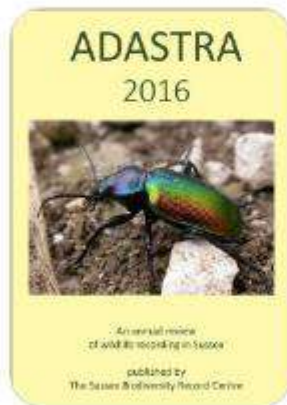
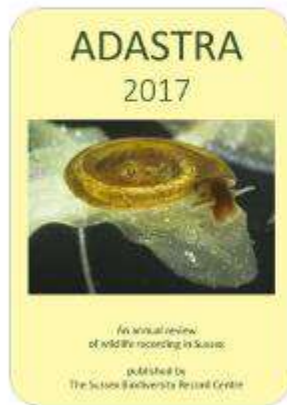
www.brc.ac.uk/psl/


@graemelyons



The Sussex biological recorders' seminar





A black-outlined speech bubble with a tail pointing towards the bottom right. Inside the bubble, the text "How do we capture all of these records?" is written in a black, sans-serif font, centered and arranged in three lines.

How do we
capture all of
these records?

Peter Hodge's Notebooks: The Stats

14 notebooks 42 years of

8-4-89

Broadwater Forest
TQ 554374

At root of heather &
in loose dry grass

Dromius linearis
Agonum obscurum
Pterostichus diligens
Bradycellus ruficollis
Lochmoea suturalis
Strophosomus sus
Stenus flavipes
~~*clavicornis rogeri*~~
Cryptophagus setulosus
Symnus redtenbacheri
Sepidophilus lusitanicus
Othius myrmecophilus
Barypeithes aronieformis
Pselaphus heisei

'one' ♂ under discarded playboy
magazine

Most r

Grid Square

TQ4209

TQ4009

TQ7610



14
4
1
4
2

gg

Microsoft Excel - Species_Recorder.xls

File Edit View Insert Format Tools Data Window DigDB Help Adobe PDF

Species_Recorder 2.0.a

Sussex Biodiversity Record Centre
www.sxbrc.org.uk

Help

Enable all lookups ☒

Species Name (Taxon) * Operophtera fagata ☒

Sex/Stage/State Adult ☒ Abundance (Quantity) 1

Location (Site) * West Grinstead Station ☒

County * West Sussex ☒ Grid Reference * TQ183207

Provenance (Status) ☒ Start Date * 18/02/2005 End Date

Observer (Recorder) * Simon Curson ☒ Determiner

Record Type (Method) Field observation ☒

Reference

Comment

Change Record Change Record and New

Save

6 of 6

Version 2.0.a

Species_Name	Location	Grid_Reference	Date	Observer	Determiner	Comment	Altitude	Vice-co
Vulpes vulpes		TQ214134	38257	Penny Green		on road		Sussex
Vulpes vulpes		TQ215064	38370	Penny Green				
Roman snail	Duncton to Bidmore escarpment SSSI	SU96681314	38148	Paul Fitt				
Milvus milvus	North Marden	SU813160	38112	Graham Berry		just south of North Marden along B2141		
Operophtera brumata	West Grinstead Station	TQ183207	38337	Simon Curson				
Operophtera fagata	West Grinstead Station	TQ183207	38337	Simon Curson				



[Home](#) [Record](#) [Explore](#) [Summarise](#) [Verify](#) [Download](#) [Forum](#)

[Search](#)

Enter a casual record

Date: Select the date of the record.

Recorder Name: Enter the recorder's name, if different.

Species: Enter the species name using * as a wildcard

Certainty: How certain of this identification are you?

Sex: Please indicate the sex of the organism, if recorded.

Identified By: If anyone helped with the identification please enter their name here

Quantity:

Stage:

Photos

[Add photo](#)

Sensitivity

Is the record sensitive?: ☐

Blur record to:

This is the precision that the record will be shown at for public viewing

Location:

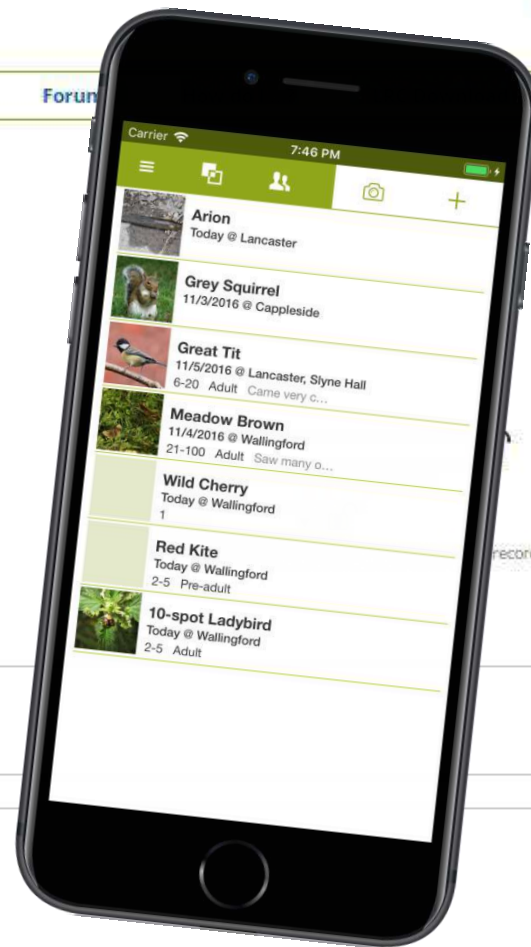
☐ Remember site

Provide the name of the site, ideally using one that is recognisable from an OS map. Do not enter a postal address as the information you provide will be visible to others.

Enter a spatial reference:

Or search for a place on the map:

[Search](#)





Habitat information

Habitat surveys: Ancient Woodland

A revision of the Ancient Woodland Inventory for West Sussex

Report and Inventory Maps
January 2010



Project carried out by the
Weald and Downs Ancient Woodland Survey

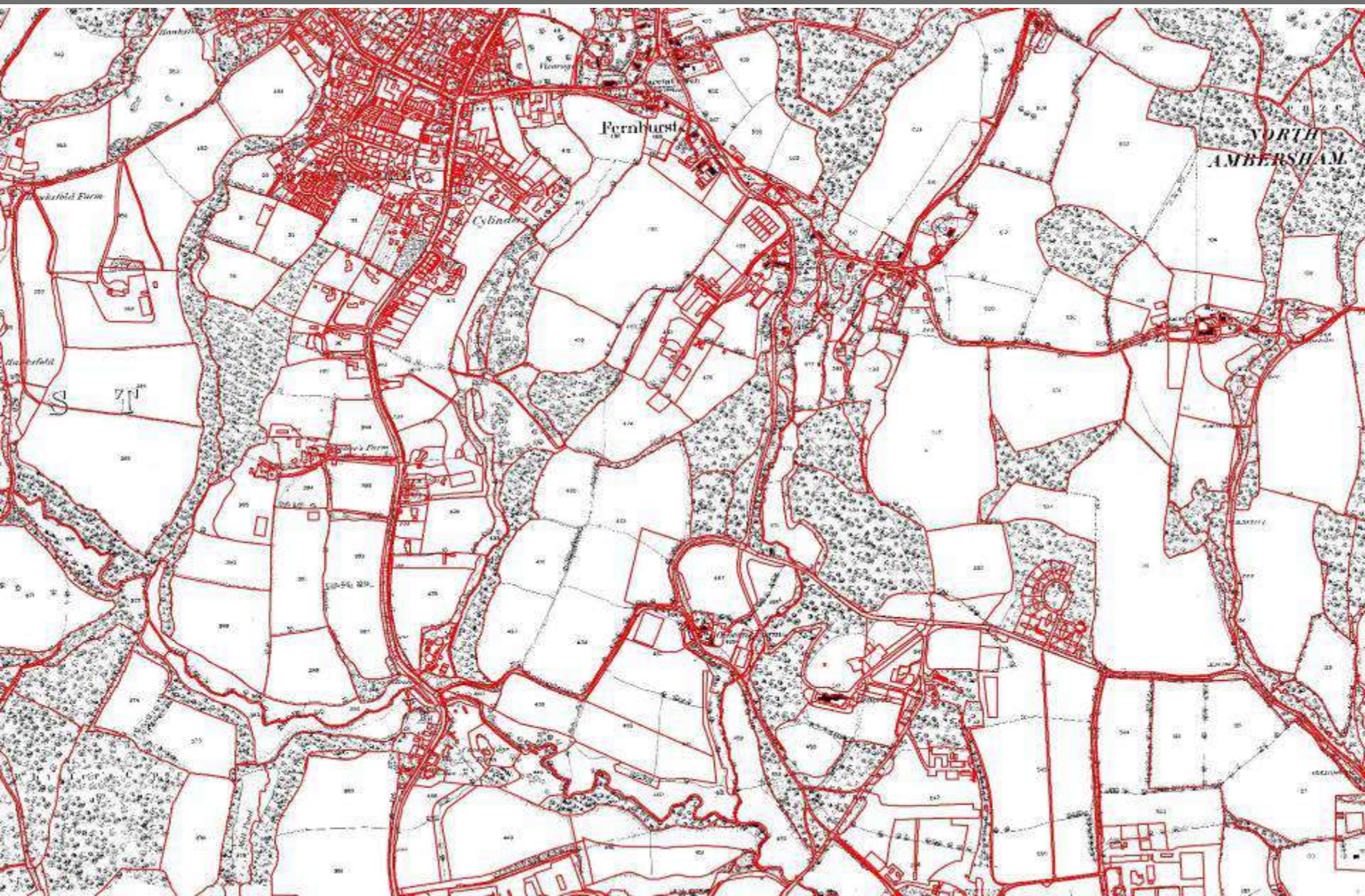
- Original survey in 1980s/1990s
- Revised to include sites under 2 hectares
- Provides a robust evidence base for planning decisions affecting ancient woodland
- Allows us to identify threats, improve areas of connectivity and highlight opportunities for strategic management of key woodlands

Ordnance Survey – First Edition, 25 inch to 1 mile (Epoch 1) 1869-75



Any newly designated ancient woodland would be on both the Epoch 1 map and the modern aerial photographs.

Epoch 1 compared to Master Map layer




West Sussex 2007 Aerial Photographs






A SURVEYING PARTY IN THE FIELD

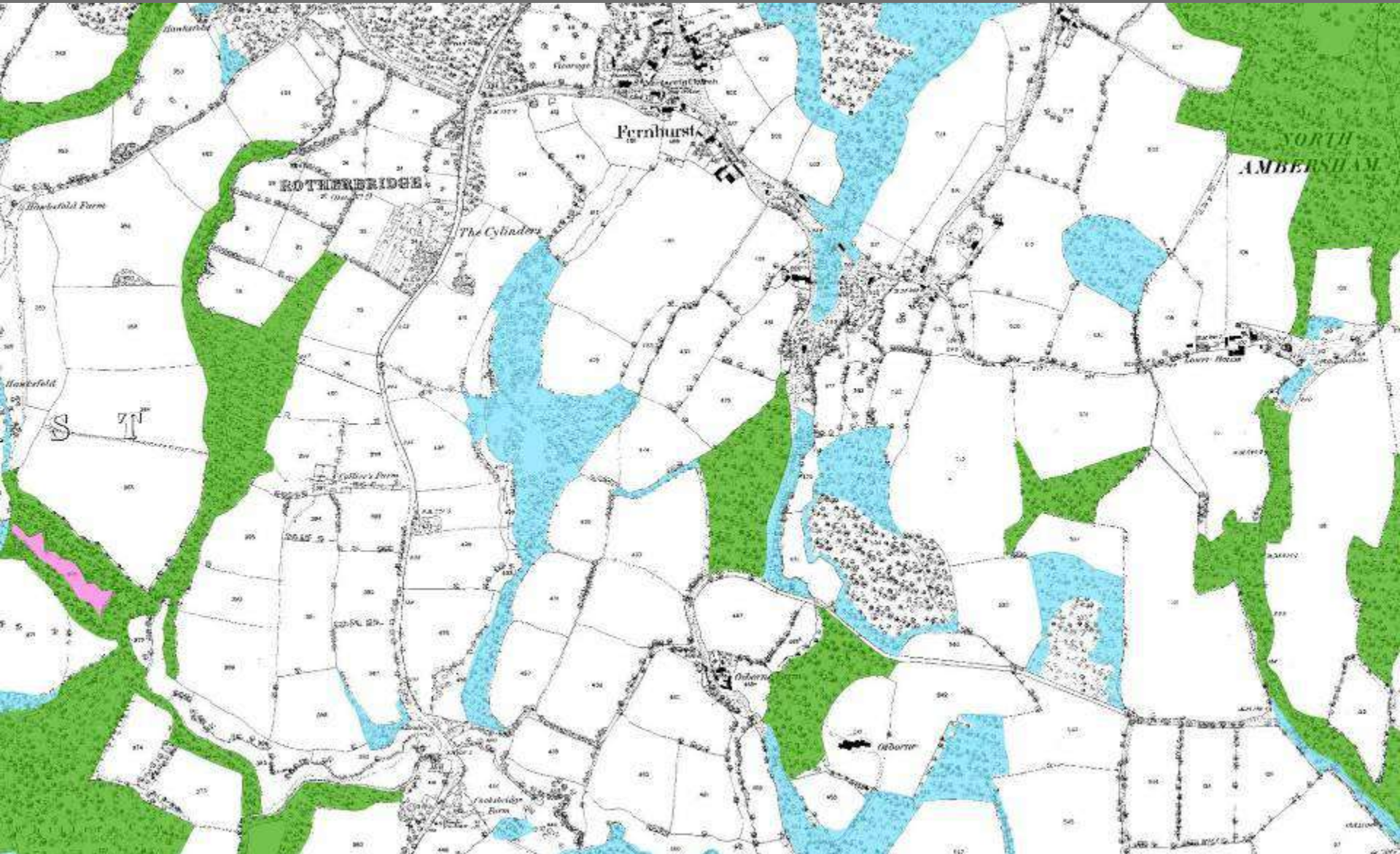
Legend

 Revised Ancient Woodland Inventory

 Original Ancient Woodland Inventory

Revised Ancient Woodland Inventory

Original Ancient Woodland Inventory



The background of the slide is a photograph of two white flowers with yellow centers, likely Anemone nemorosa, growing in a woodland setting. The flowers are in focus, with their petals clearly visible. The leaves are green and deeply lobed. The ground is covered with brown, dry leaves and twigs, creating a textured background. The text is overlaid on the left side of the image, with the first line in yellow and the others in white.

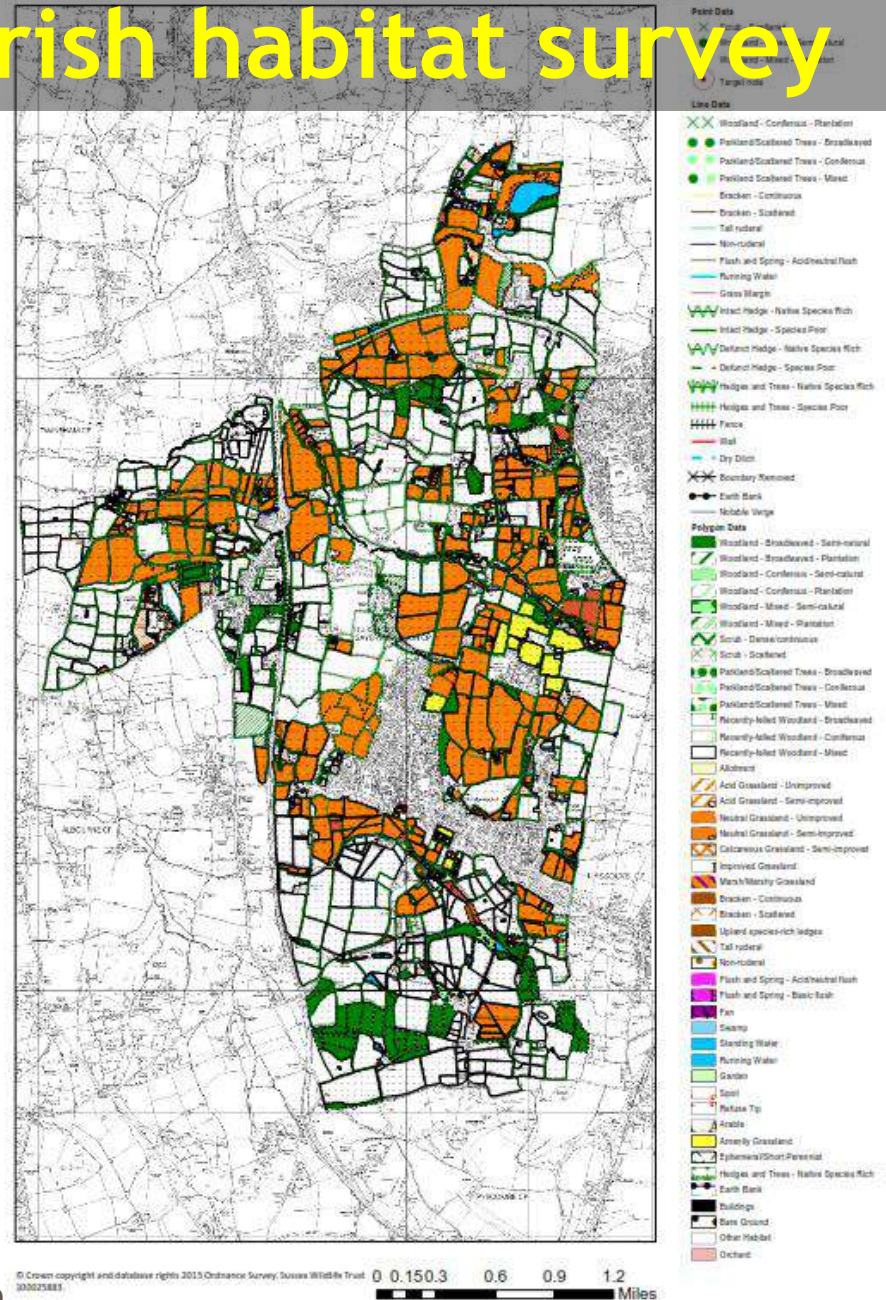
4,500 additional hectares

1,600 new sites

1,800ha of woodland surveyed

12,000 new records

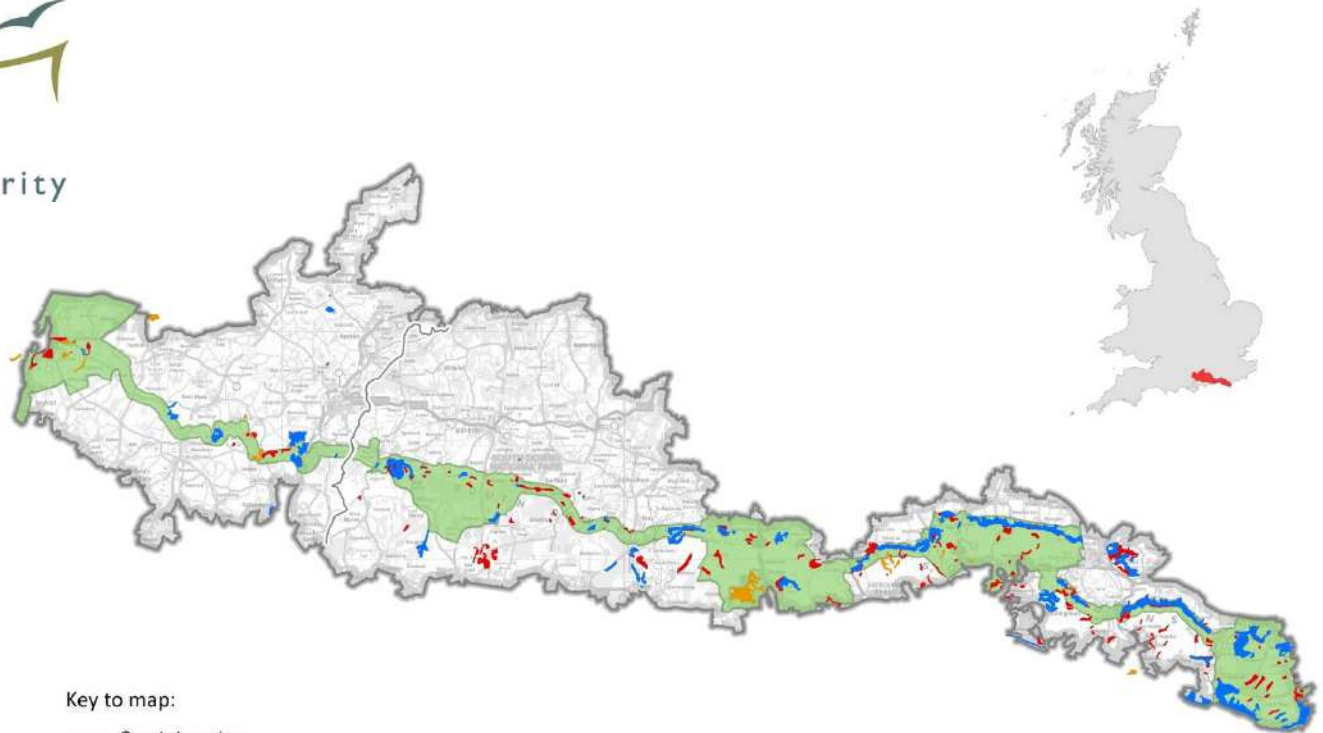
Hurstpierpoint parish habitat survey



State of lowland calcareous grassland



South Downs
National Park Authority




Key to map:

- County boundary
- National Park boundary
- Nature Improvement Area (NIA)

Surveyed Chalk Grassland Sites

- Local Wildlife Site
- SSSI
- Undesignated site

- 99% of SSSIs were in favourable or 'recovering' condition
- 31% of LWS were in favourable or 'recovering' condition.

A large, hand-drawn style speech bubble with a thick black outline. It has a rounded, oval-like body and a small, pointed tail extending from the bottom right. The text is centered within the bubble.

How do we
manage all of this
data?

Geographic Information Systems and the Habitat & Land Use Tool

The image displays two software interfaces side-by-side. The left window is the 'HLU GIS Tool - Rural - Broad Habitat [READONLY]' and the right window is 'SxHF.mxd - ArcMap'.

HLU GIS Tool - Rural - Broad Habitat [READONLY]

INCID

INCID	0200-0450066	Area [ha]	0.6719	Length [km]	0.545
Created	07/07/2007	By		GDI	
Modified	07/07/2007	By		GDI	

Habitats Details Sources History

IHS Habitat

Habitat Class: Integrated Habitat System Categories

Habitat Type: WB : Broadleaved, mixed, and yew woodland

IHS Habitat: WB3 : Broadleaved woodland

IHS Matrix

Matrix 1: [dropdown]

Matrix 2: [dropdown]

Matrix 3: [dropdown]

IHS Formation

Formation 1: WF1 : Semi-natural

Formation 2: [dropdown]

IHS Management

Management 1: WM0 : Undetermined woodland management

Management 2: [dropdown]

IHS Complex

Complex 1: [dropdown]

Complex 2: [dropdown]

IHS Summary WB3.WF1.WM0

Legacy Habitat: A111

INCID: 1 of 1 (filtered) [1:1 of 2:2]

SxHF.mxd - ArcMap

File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

Scale: 1:12,500

Table Of Contents

Layers

- ☒ Rural - Broad Habitat
 - AR - Rivers and Streams
 - AS - Standing Open Water
 - AZ - Open Water
 - BR - Bracken
 - CR - Arable and Horticulture
 - EM - Fen, Marsh and Swamp
 - GA - Acid Grassland
 - GC - Calcareous Grassland
 - GI - Improved Grassland
 - GN - Neutral Grassland
 - GP - Grassland, Probably Improved (API)
 - GU - Grassland, Possibly Unimproved (API)
 - HE - Heathland
 - IS - Inshore Sediment
 - LF - Boundary and Linear Features
 - LR - Littoral Rock
 - LS - Littoral Sediment
 - ☒ OV - Unknown Terrestrial Vegetation (API etc)
 - RE - Inland Rock
 - SR - Supralittoral Rock
 - SS - Supralittoral Sediment
 - UH - Unknown/Untranslatable (TR)
 - WB - Broadleaved Woodland
 - WC - Coniferous Woodland
- ☒ Urban - Land Use
 - UR0 - Built-up Areas and Gardens
 - UR0.BG1 - Bare Ground
 - UR0.CL1 - Agriculture
 - UR0.GL1 - Amenity Grassland
 - UR0.LT4 - Road Side
 - UR0.LT5 - Path and Track Side
 - UR0.OT3 - Tall Ruderal
 - UR0.SC11Z - Other dense/continuous scrub: native shrubs
 - UR0.SC12 - Dense/continuous scrub: introduced shrubs
 - UR0.SC21 - Open/scattered scrub: introduced shrubs
 - UR0.SC21Z - Other open/scattered scrub: native shrubs
 - UR0.SC22 - Open/scattered scrub: introduced shrubs
 - UR0.TS0 - Scattered trees
 - UR0.TS0.GL1 - Scattered trees, amenity grassland
 - UR0.UA1 - Agricultural Built Features
 - UR0.UA2 - Industrial/Commercial

Map View

The map shows a landscape with various land use and habitat types. A blue line indicates a river or stream. The map is overlaid with a grid. The status bar at the bottom shows the coordinates 512133.189 108657.515 Meters.

Number of features selected: 1

14:51 04/07/2018

Who uses all this
information?

County Councils & Other Authorities

Brighton and Hove
City Council

West Sussex
County Council

South Downs
National Park

East Sussex
County Council

Environmental NGOs

National Trust

Woodland Trust

Landscape Scale Projects

Sussex Wildlife
Trust

Gov't Bodies

Forestry Commission

Environment Agency

Sussex IFCA



Sussex Biodiversity Record Centre

Others

Portsmouth Water

Southern Water

Mid Sussex District
Council

Horsham District
Council

Crawley Borough
Council

Rother District
Council

Chichester District
Council

Wealden District
Council

Lewes & Eastbourne
Councils

Arun District
Council

Adur & Worthing
Councils

Districts & Boroughs

Our partners need this information to fulfil their functions

“Every public authority must, in exercising its functions, have regard, so far as is consistent with the proper exercise of those functions, to the purpose of conserving biodiversity.”

The Natural Environment and Rural Communities Act 2006

“The planning system should contribute to and enhance the natural and local environment...”

National Planning Policy Framework

Services to partners

- Species with statutory designation, under international and national legislation
- Species with non-statutory designation including the Sussex Rare Species Inventory
- Bats
- Notable Birds
- Invasive Non Native Species

Data request service



The Sussex Biodiversity Record Centre (SxBRC) runs a data request service, available to ecological consultants and members of the public alike. We hold data from a variety of sources, from large organisations to local recorders.

Before submitting a data request, it is important that you read and understand the following guidance notes:

- [Data request options](#)
- [Charges](#)
- [Response times](#)
- [Terms and conditions](#)

Submit a data request

Please use one of the following links to make an online data request:

[DATA REQUEST FORM](#)

[PARTNER DATA REQUEST FORM](#)

Not sure?

Call 01273 497558 or 497554 or email info@sxbrc.org.uk and we'd be happy to help.

Our charges

An administrative fee is applied if a data request is made for the following reasons:

- Supporting evidence for a planning application / ecological appraisal for proposed development
- Utilities or infrastructure works

A reduced fee is applied if a data request is made for the following reasons:

- Conservation / land management
- Neighbourhood Plan

No fee is charged if a data request is made for the following reasons:

- Comment on a submitted or upcoming planning application
- Academic project or research
- Investigate wildlife crime
- Personal interest



Ecological data search for land at Buxted

On behalf of Bob Foreman (SxBRC)

Report reference SxBRC/16/031

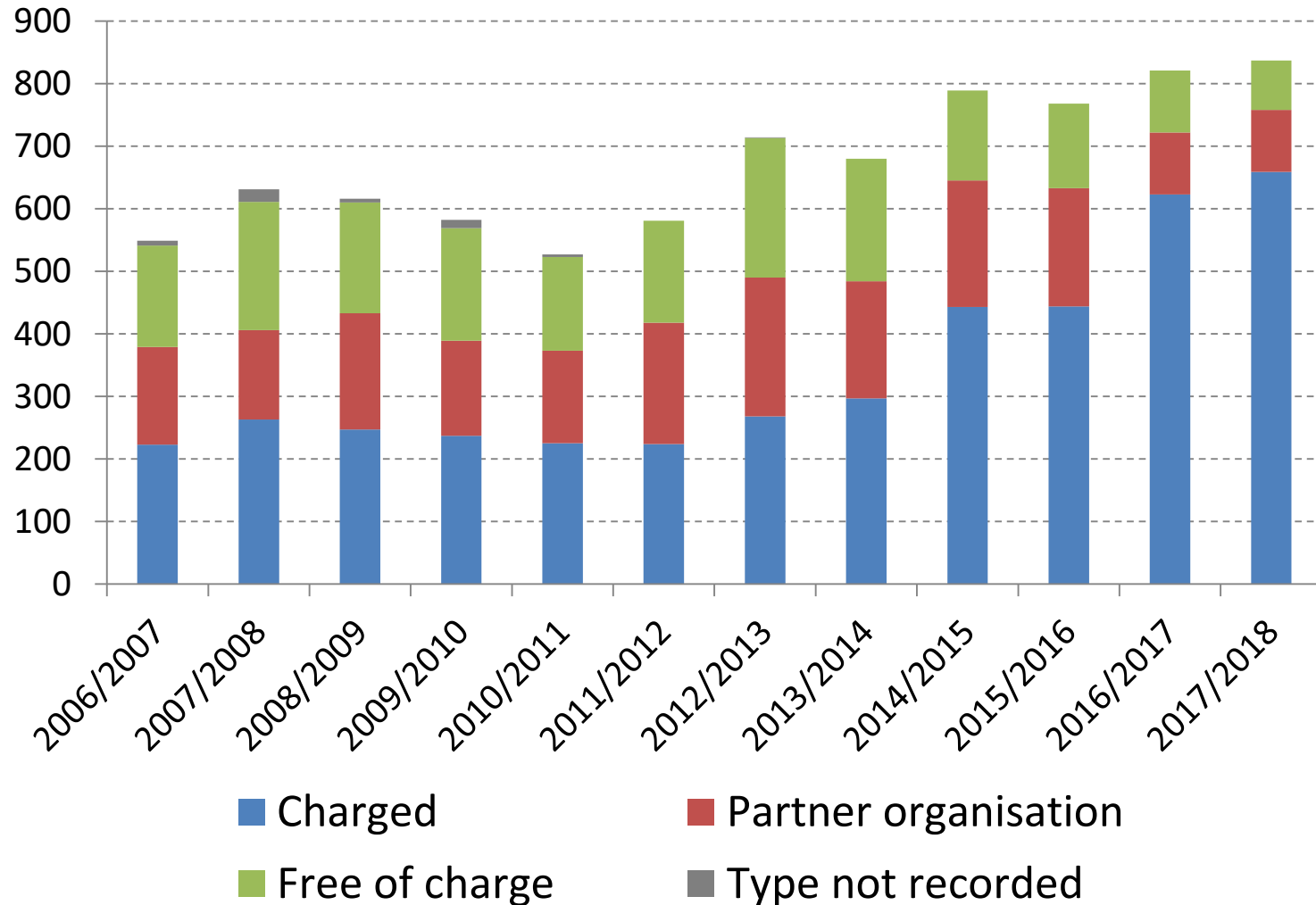
Prepared on 30/01/2017



Sussex Biodiversity Record Centre, c/o Sussex Wildlife Trust, Woods Mill, Henfield, West Sussex BN5 9SD
Tel: 01273 497521 Email: info@sxbrc.org.uk Website: www.sxbrc.org.uk

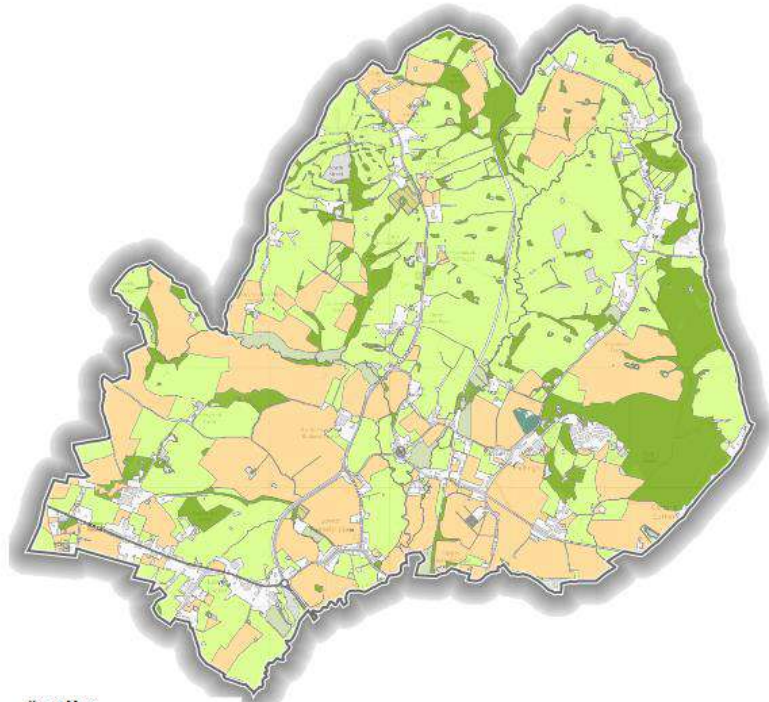
Data request service

Number of data requests we receive each year is going up



Bespoke services

Evidence for Neighbourhood Development Plans



Key to Map:

Parish boundary

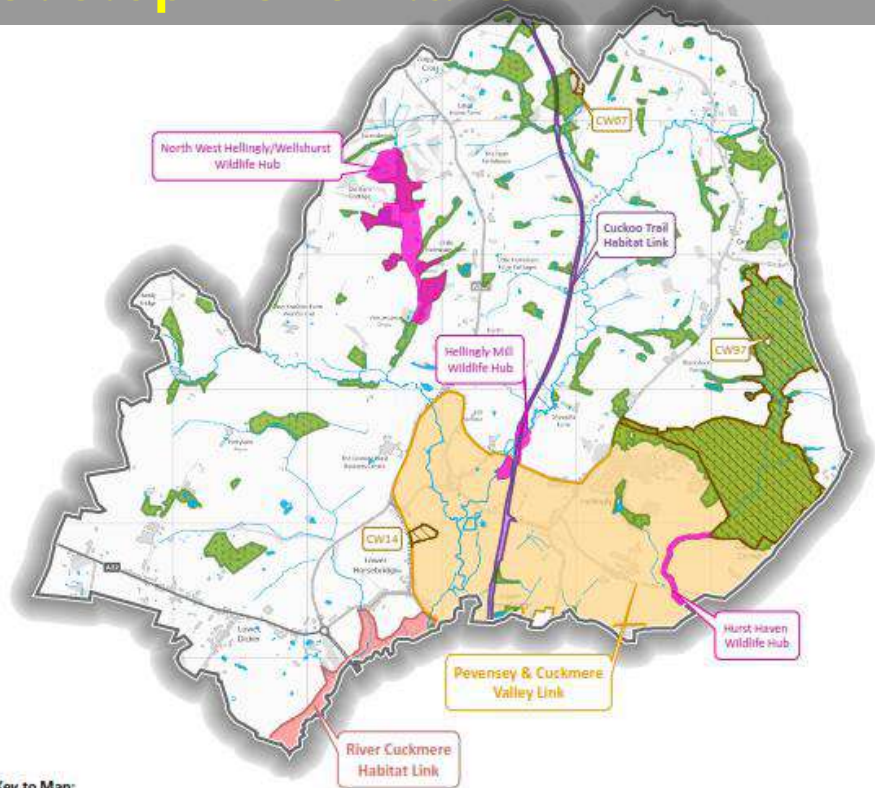
Broad Habitats

- CR - Arable and Horticulture
- EM - Fen, Marsh and Swamp
- GI - Improved Grassland
- GN - Neutral Grassland
- GP - Grassland, probably improved
- GU - Grassland, possibly unimproved
- WB - Broadleaved Woodland
- WC - Coniferous Woodland

Broad Habitat data derived from Sussex Habitat Framework, maintained by SxHRC. Contains Ordnance Survey mapping © Crown copyright and database rights 2017, Ordnance Survey 0100031673.

Habitat data held by Sussex Biodiversity Record Centre (SxHRC) are created in-house or obtained from a variety of dataset providers. SxHRC 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.

This map contains Ordnance Survey Open Data © Crown copyright and database rights 2017 Ordnance



Key to Map:

- Parish boundary
- Wildlife Hub
- Local Wildlife Site
- Open Water
- Ancient woodland
- BOA 71 - Cuckoo Trail Habitat Link
- BOA 73 - Pevensey & Cuckmere Valley Link
- BOA 74 - River Cuckmere Habitat Link

0 0.75 1.5 Km

N

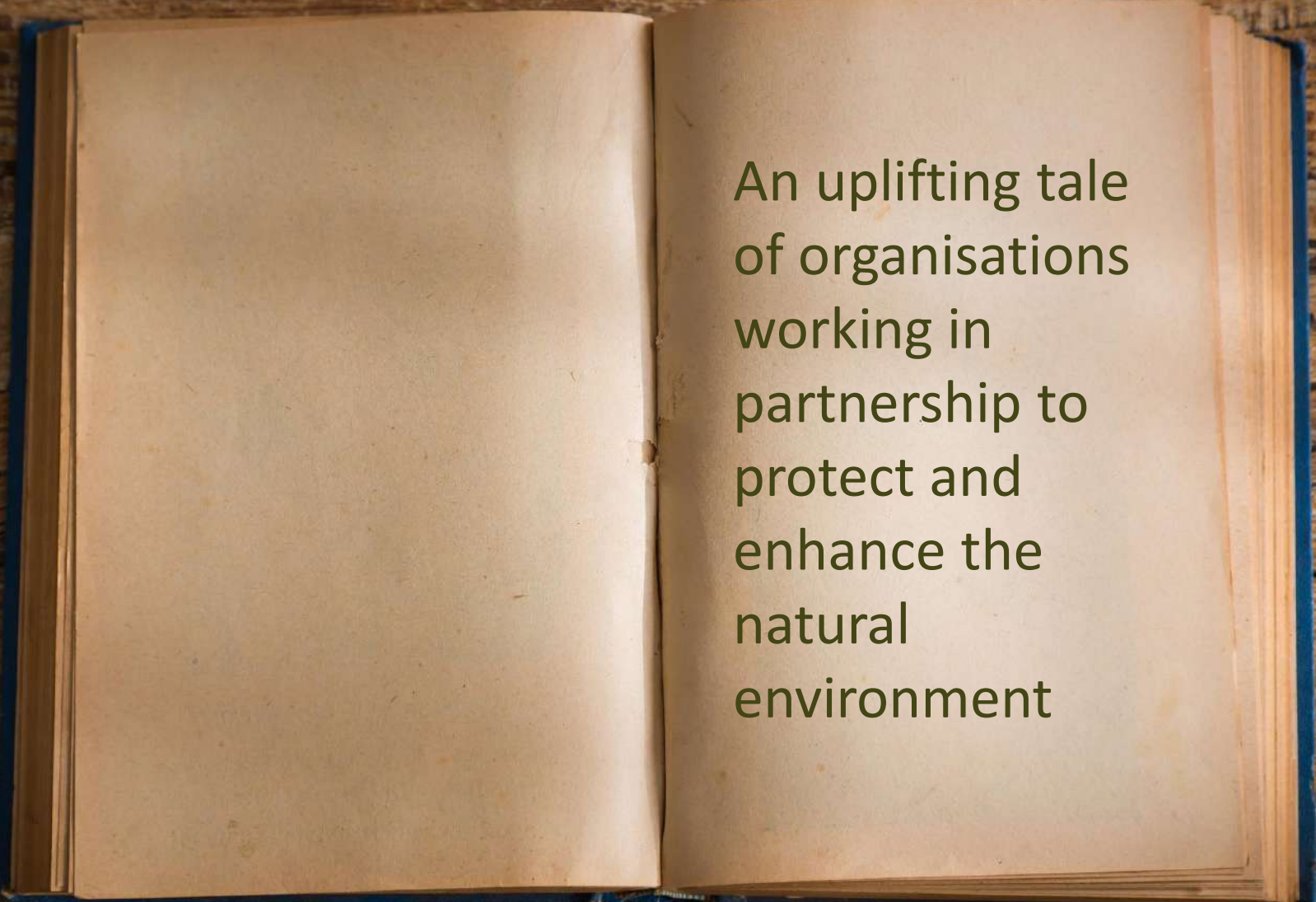
Local Wildlife Site (LWS) data provided by Wealden District Council. © Crown Copyright. All rights reserved 2017.

Biodiversity Opportunity Areas (BOAs) © South East England Biodiversity Forum 2009. Reproduction of the BOA Map is subject to conditions.

Ancient woodland data reproduced with permission of Natural England.

This map contains Ordnance Survey Open Data © Crown copyright and database rights 2017

That's a lot of information
about recording wildlife...
what about *keeping it for*
tomorrow?



An uplifting tale
of organisations
working in
partnership to
protect and
enhance the
natural
environment



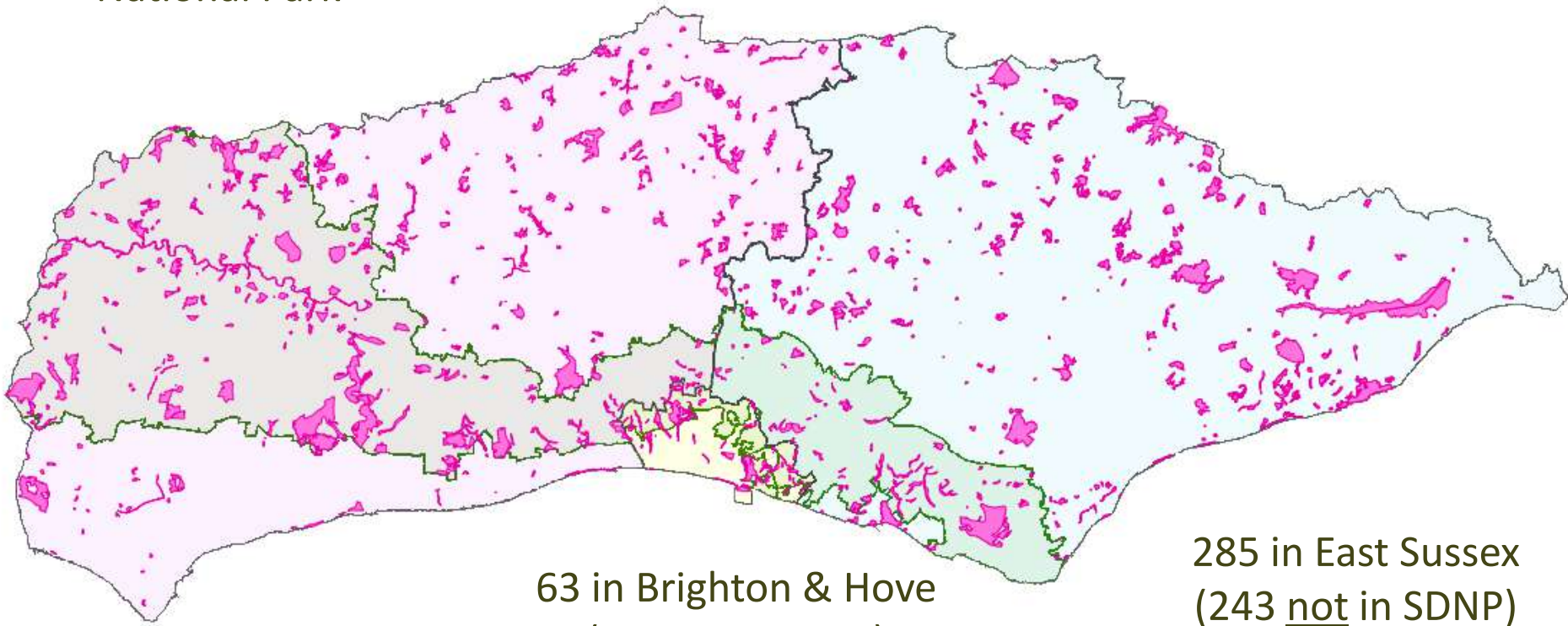
Local Wildlife Sites (LWSs) are **non-statutory** sites that contain features of **substantive nature conservation value**. Formerly known in Sussex as Sites of Nature Conservation Importance (SNCIs).

Local Wildlife Sites form a **vital component of ecological networks** in Sussex.

Local Wildlife Sites in Sussex

637 sites in Sussex

240 in the South Downs
National Park



63 in Brighton & Hove
(40 not in SDNP)

285 in East Sussex
(243 not in SDNP)

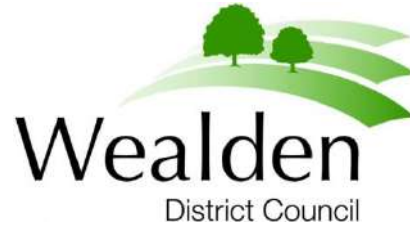
290 in West Sussex (172
not in SDNP)

Sussex Local Wildlife Sites Initiative

AIM

To have a functioning LWS system which ensures LWSs can be accurately represented in **local plans**, given due consideration in the **planning & development process** and receive targeted management advice, with the ultimate aim of **conserving biodiversity**

Sussex Local Wildlife Sites Initiative



Sussex Local Wildlife Sites Initiative

Introducing
Daniel Watkins –
our new Local
Wildlife Sites
Officer for Sussex

*Keep an eye on the
SxBRC e-newsletter for
more info*



Get involved

- Sign up for our e-newsletter via the sxbrc.org.uk homepage
- Set yourself up with an iRecord account at brc.ac.uk/irecord
- Come along to the Sussex Biological Recorders' Seminar on 16 February 2018
- Join a local wildlife recording group
- Talk to your parish council or neighbourhood planning group about how they're accessing biodiversity information – and tell them about SxBRC!

