



LERC Wales: Growing an Evidence Base Fit for Wales

Adam Rowe

Local Environmental Records Centres Wales Limited (LERC Wales)
South East Wales Biodiversity Records Centre (SEWBReC)

**NATIONAL BIODIVERSITY NETWORK CONFERENCE
AMGUEDDFA CYMRU – NATIONAL MUSEUM WALES, CARDIFF**

16TH-17TH NOVEMBER 2017

LOCAL ENVIRONMENTAL RECORDS CENTRES **WALES**

CANOLFANNAU COFNODION AMGYLCHEDDOL LLEOL **CYMRU**



- A Brief History of LERC Wales
- Growing the Evidence Base
- Growing Partnerships and Recording
- Maximising Use of the Evidence Base
- Increasing Collaboration and Co-operation

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- A Brief History of LERC Wales

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This report summarises these views but also presents two recommendations to take this work forward:

Recommendation 1

The network of LRCs in Wales should be developed based on the CCW regions. Further evaluation among users should determine whether the two northern regions should be merged and a single LRC developed for North Wales.

Recommendation 2

The network of LRCs should be developed and managed locally. However the 4 or 5 LRCs will need to work closely in partnership and must use common standards and approaches. From the outset the LRCs should look to each other for support and consider sharing skills and expertise.

June 2001

National
Biodiversity
Network



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WEST WALES BIODIVERSITY
INFORMATION CENTRE



SEWBReC

SOUTH EAST WALES BIODIVERSITY RECORDS CENTRE
CANOLFAN GOFNODION BIOAMRYWIAETH DE DDWYRAIN CYMRU



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Local Records Centres Wales: The UK's first national network of Local Records Centres

- Completed and launched in 2007



www.lercwales.org.uk

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WEST WALES
BIODIVERSITY INFORMATION CENTRE
CANOLFAN WYBODAETH BIOAMRYWIAETH
GORLLEWIN CYMRU



- » Our Shared Vision / Ein Cyd-Weledigaeth
- » Products & Services / Cynnyrch a Gwasanaethau
- » LERC Wales Data Access Tool



Find Your Local Environmental Records Centre
Dod o hyd i'ch Canolfan Cofnodion Amgylcheddol Lleol



OUR SHARED VISION

The Local Records Centres of Wales aim to:

- Ensure that biodiversity information is fed into the decision-making process at an appropriate stage.
- Provide efficient, high quality information services to a range of users from public bodies to commercial consultants.
- Pro-actively encourage the recording and sharing of biological data and engage in initiatives to develop biological recording skills.
- Provide appropriate support to strengthen networks of local voluntary recorders and ensure that the efforts of voluntary recorders are consistently recognised.
- Improve data flows by implementing and promoting simple and efficient systems for record submission, validation and verification.
- Improve links with the National Biodiversity Network (NBN), including greater data sharing with the NBN Gateway.
- Share best practice and expertise, particularly in the fields of management and technology.



FILE COPY

**CERTIFICATE OF INCORPORATION
OF A
PRIVATE LIMITED COMPANY**

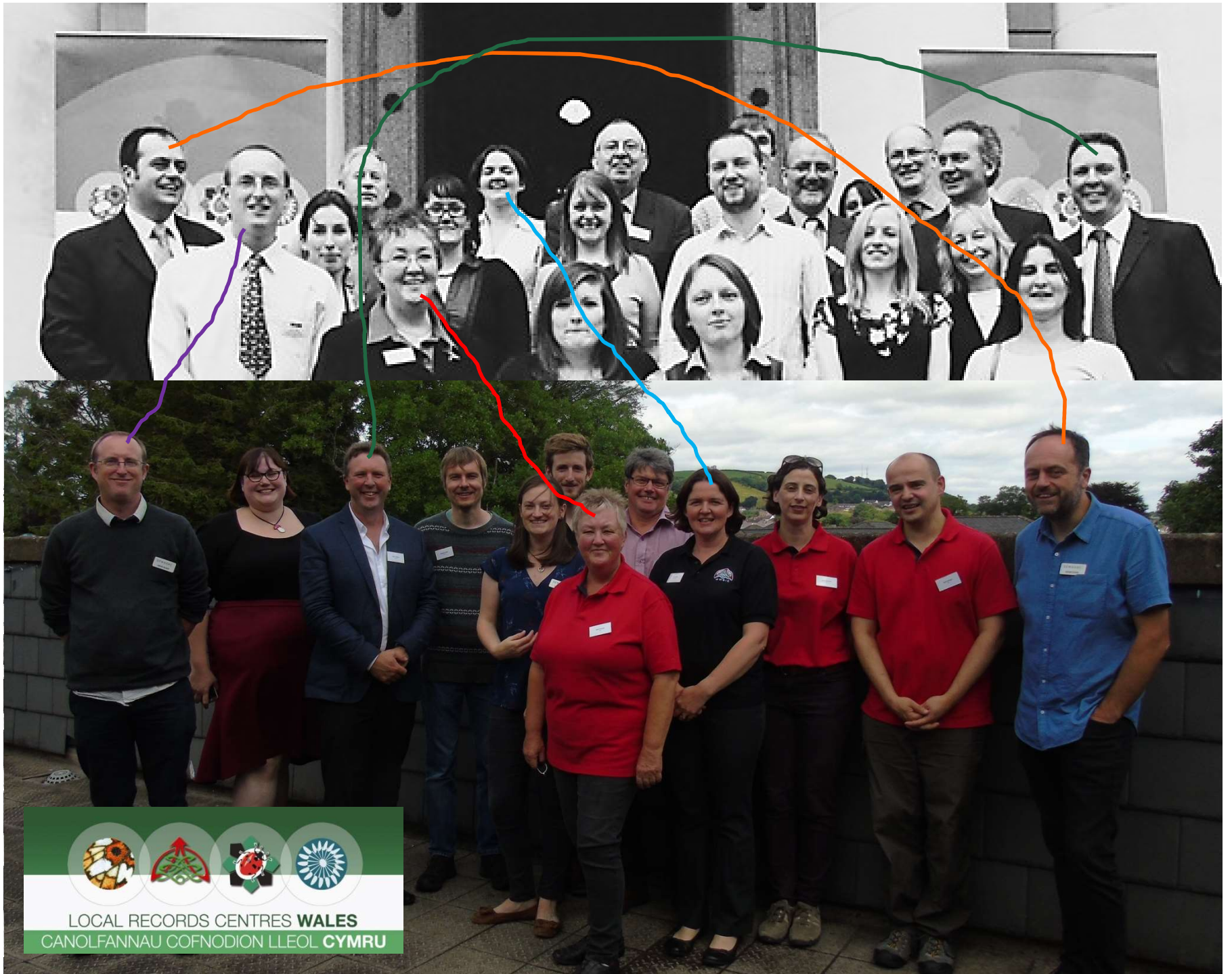
Company Number **9816508**

The Registrar of Companies for England and Wales, hereby certifies that

**LOCAL ENVIRONMENTAL RECORDS CENTRES
WALES LIMITED**

is this day incorporated under the Companies Act 2006 as a private company, that the company is limited by guarantee, and the situation of its registered office is in England and Wales

Given at Companies House on **8th October 2015**





- Growing the Evidence Base

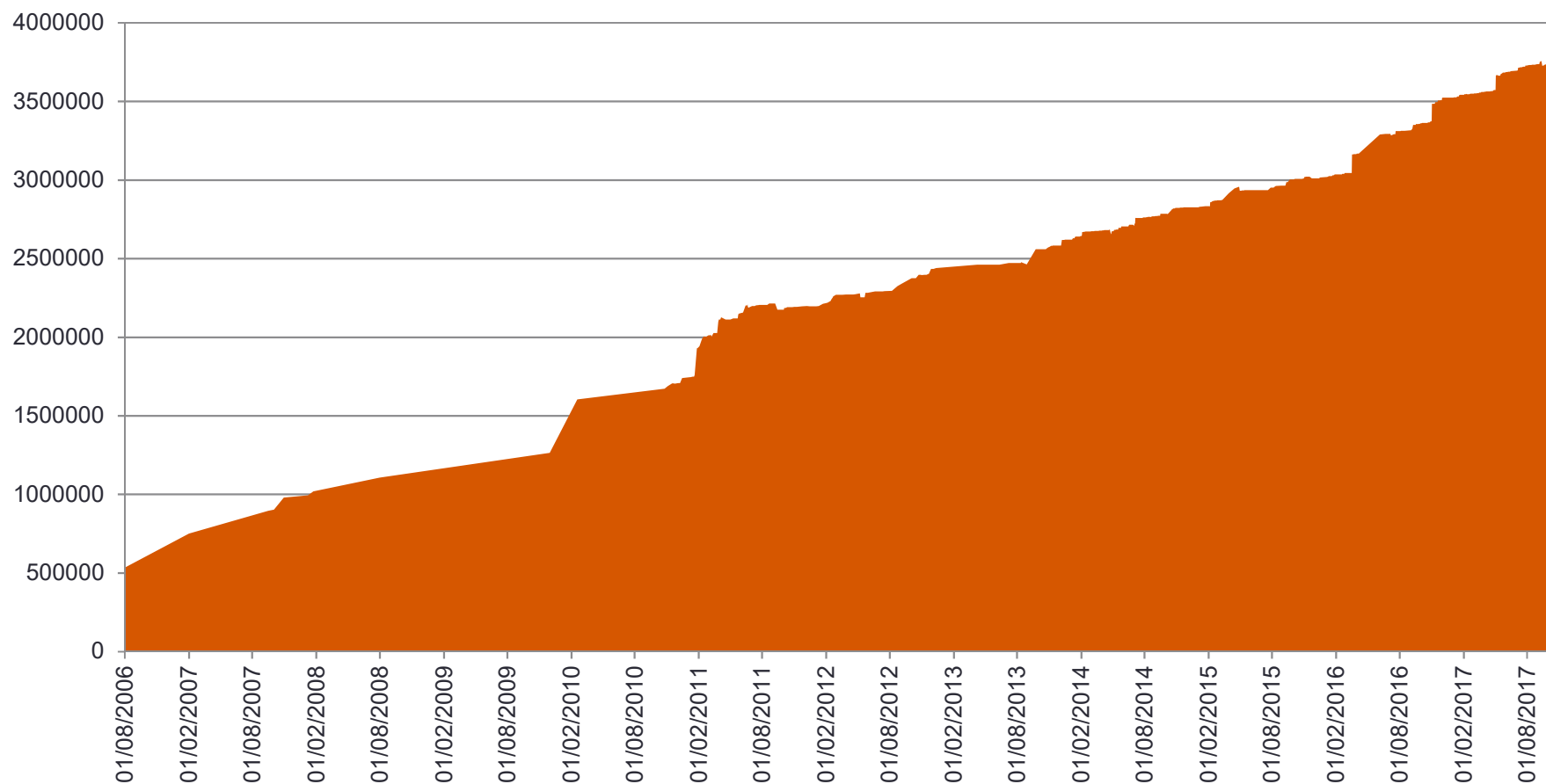
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SEWBR eC

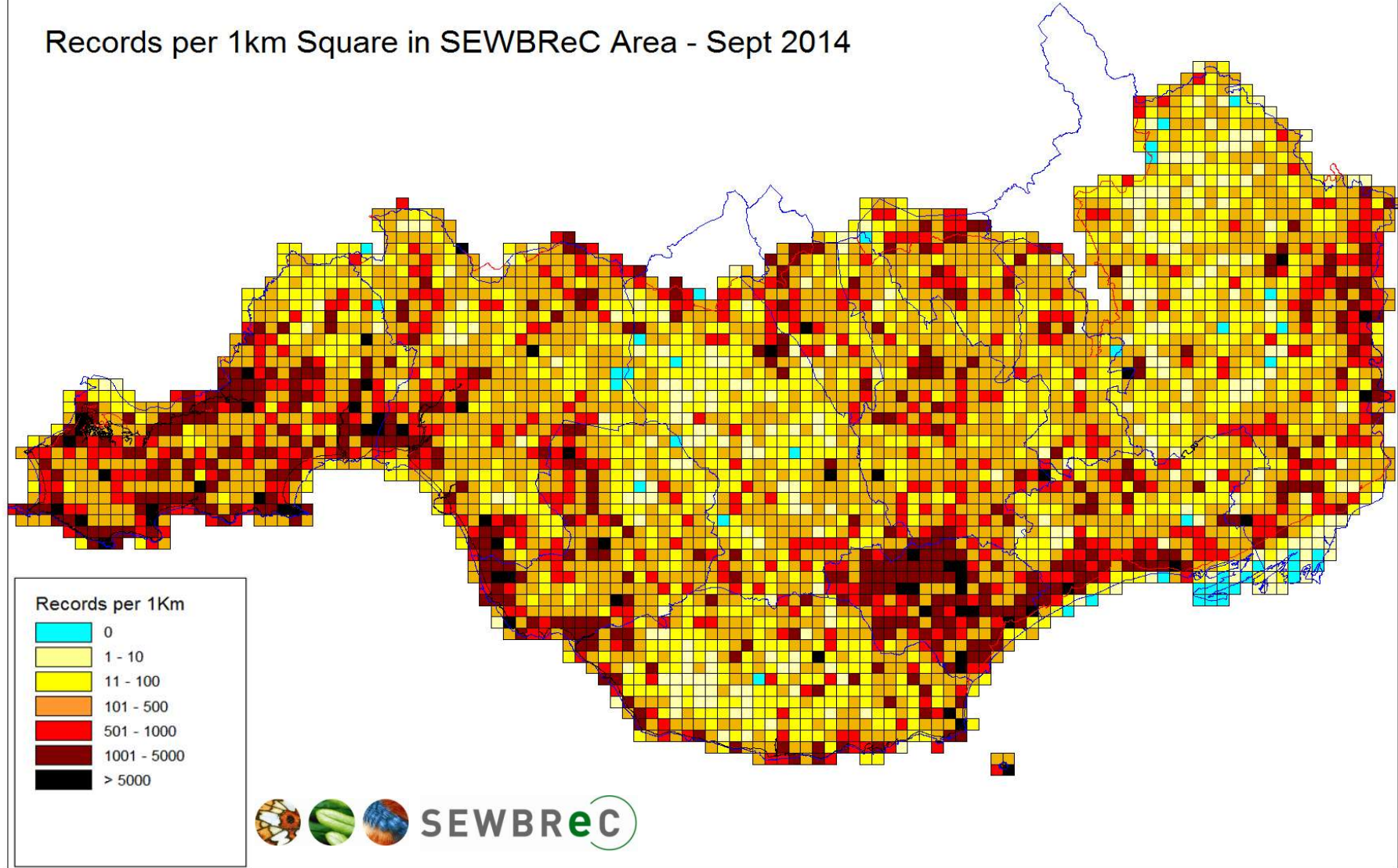
Data Holdings Growth



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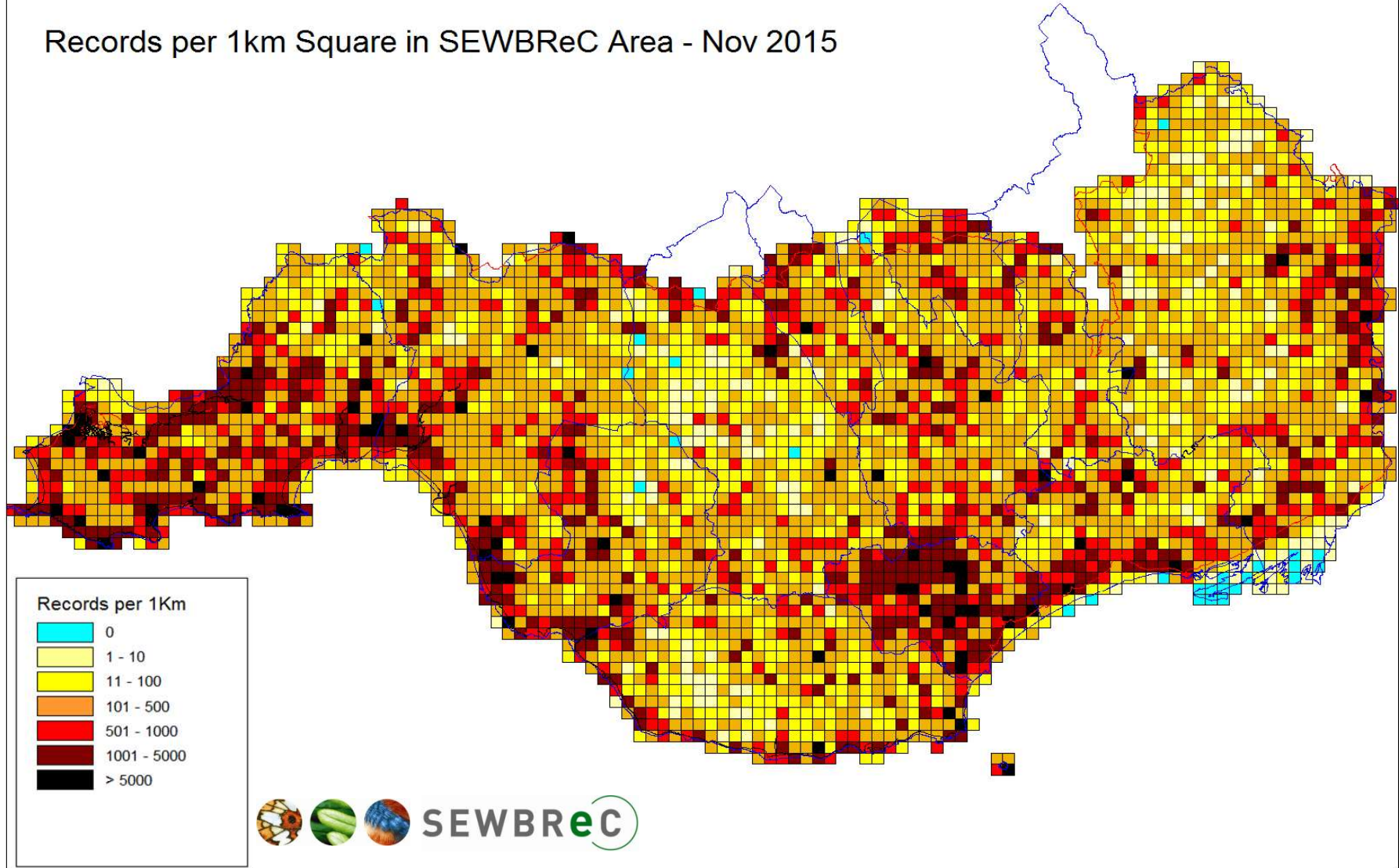
Records per 1km Square in SEWBReC Area - Sept 2014



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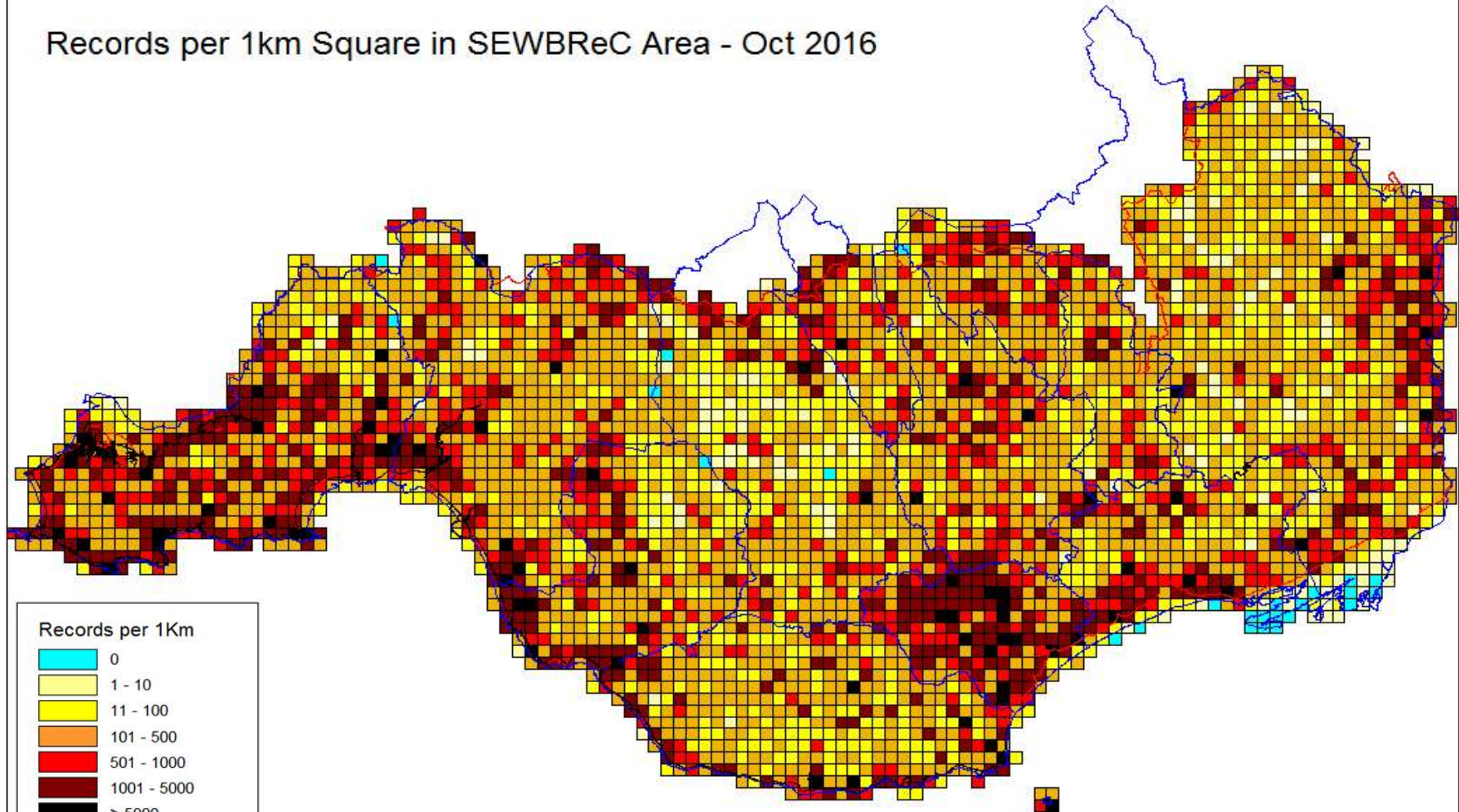
Records per 1km Square in SEWBRc Area - Nov 2015



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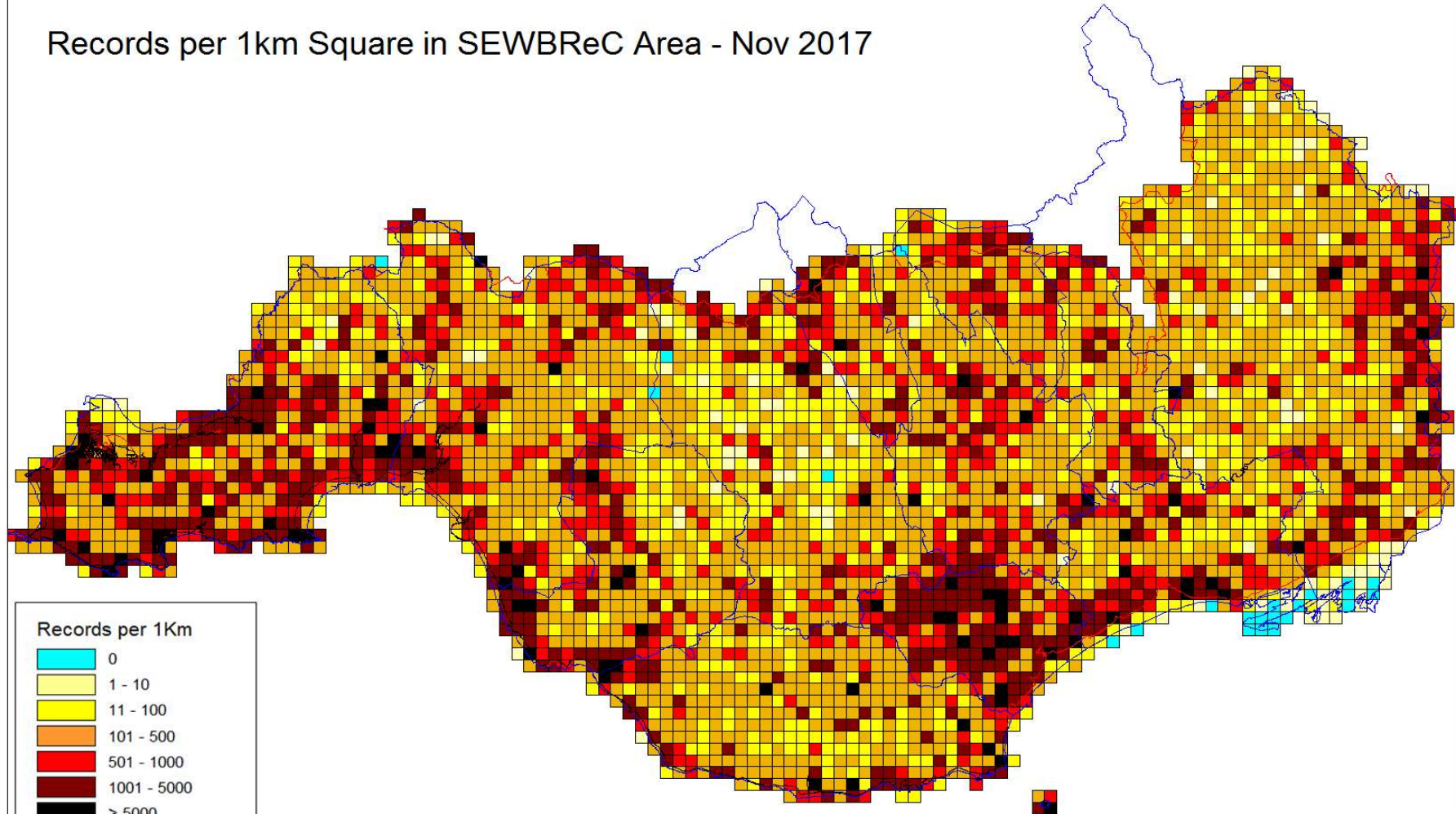
Records per 1km Square in SEWBRcC Area - Oct 2016



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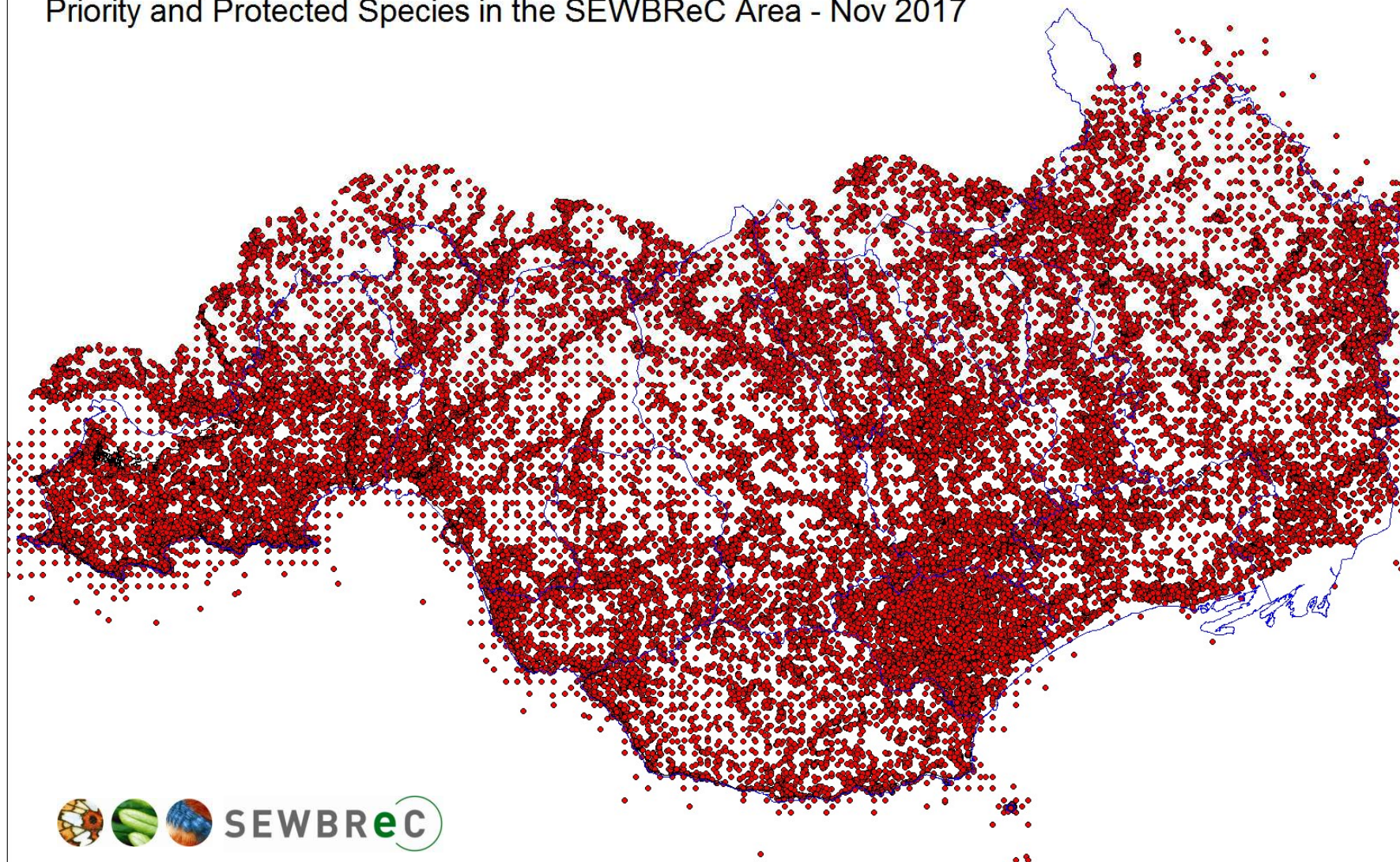
Records per 1km Square in SEWBReC Area - Nov 2017



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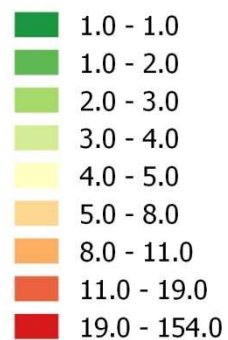
Priority and Protected Species in the SEWBRéC Area - Nov 2017



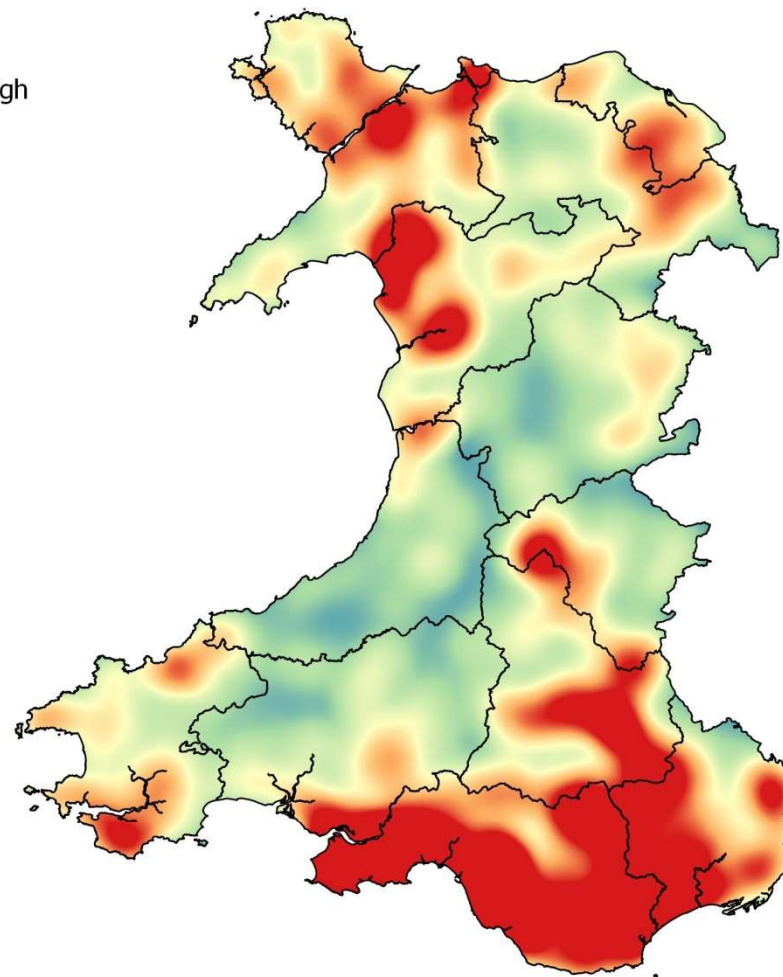
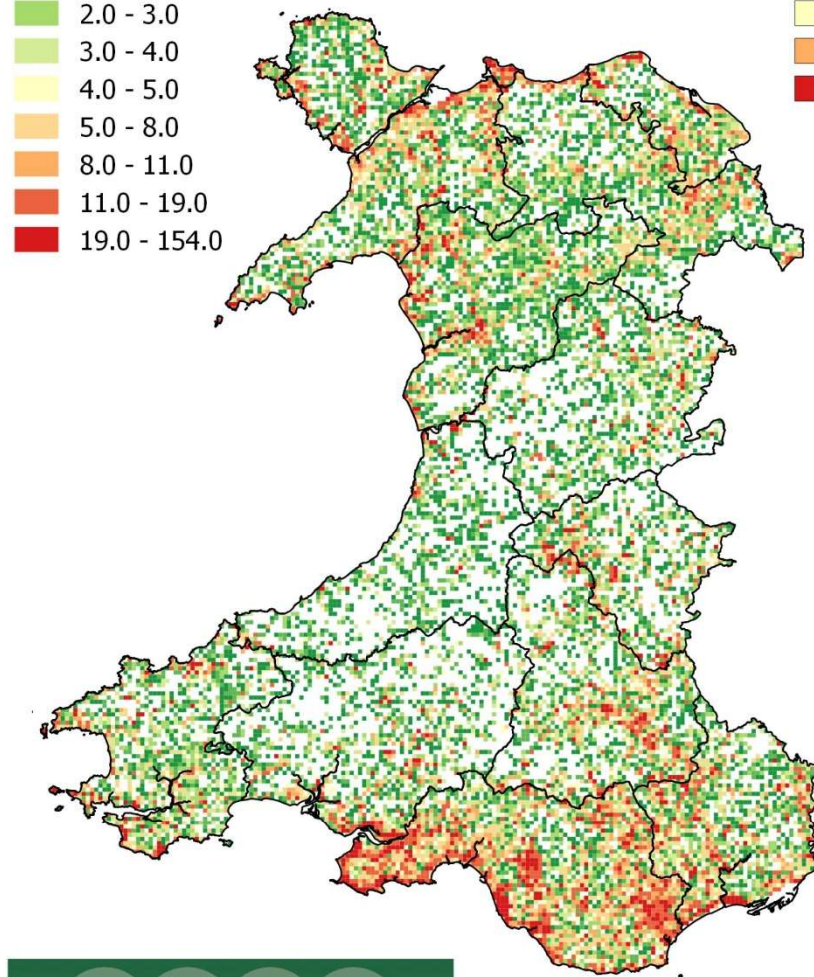
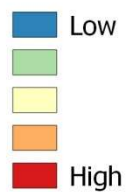
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Unique record count per 1 km square



10 km radius record density heatmap weight by count and scaled by kernel size



Records dated 2006 onwards

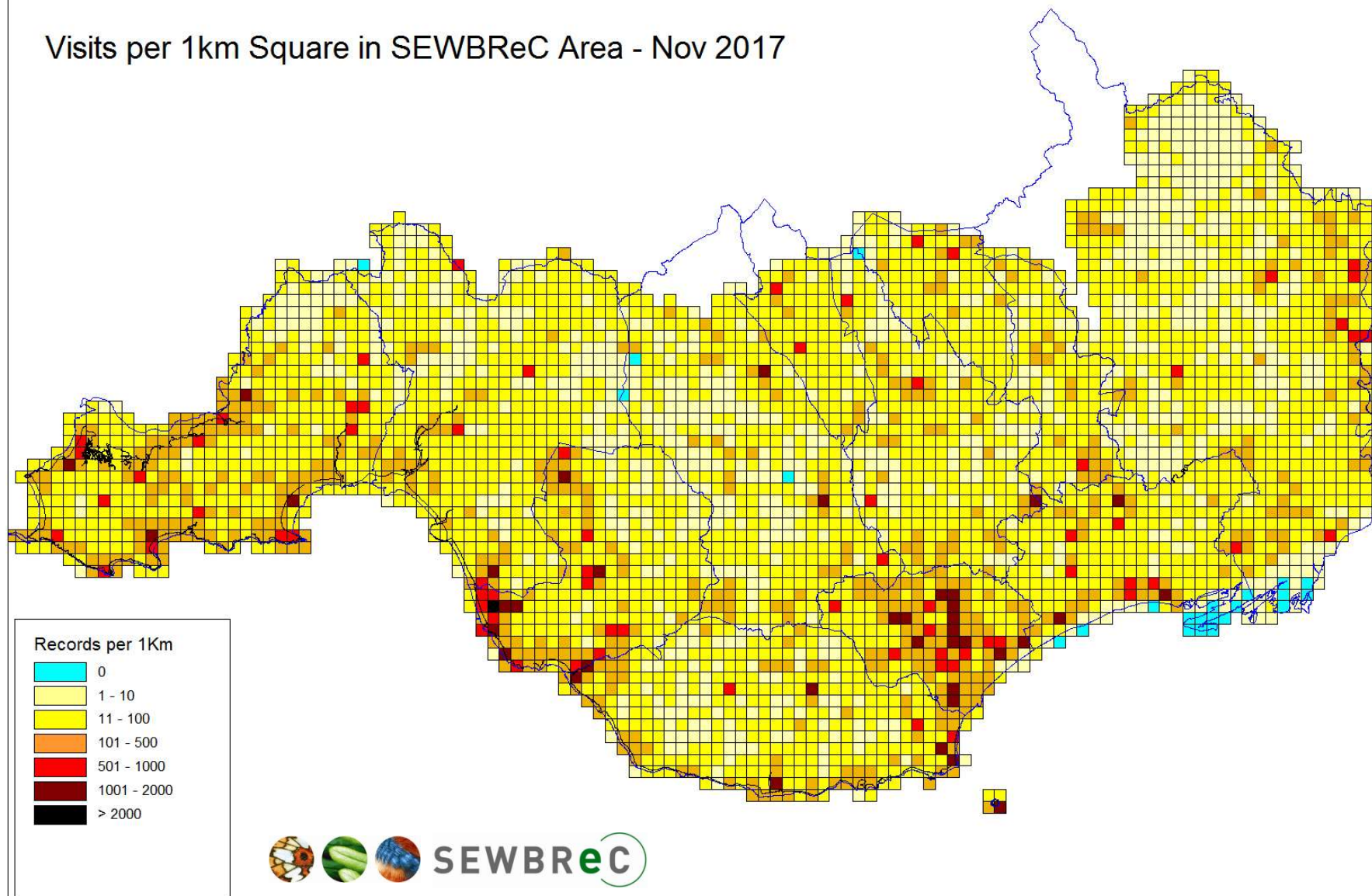
0 10 20 30 40 km



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Visits per 1km Square in SEWBRc Area - Nov 2017



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- Growing Partnerships and Recording

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Growing partnerships: volunteers

From Day 1 individual LERCs have been supporting volunteer biological recorders:

- Assisting with data management
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An island bioblitz and a new species for Britain

Amy Hicks - SEWBRcC Biodiversity Information Officer

Inspired by Dr Mary Gillham's love of Welsh islands, we decided to add a slightly more unusual recording event to SEWBRcC's 2017 calendar and visit Flat Holm Island in the Bristol Channel. Despite being a SSSI and only 5 miles from Cardiff, our knowledge of the species on Flat Holm was patchy. By the very nature of it being an island, expert recorders of many taxonomic groups had never visited. We simply had to go and have a look!

Flat Holm can only be accessed by certain types of boat, and only for a short window around each high tide, so late on a rainy Friday evening in August the first 20 of our willing wildlife recorders, Mary Gillham Archive Project volunteers and Flat Holm Society members stepped bravely into two RIBs and set off to "bioblitz" the island. We arrived half an hour later completely soaked and settled into the Flat Holm farmhouse for the night.



Thankfully by the time the remaining 10 of the team arrived at high tide the next morning (looking enviously dry) the conditions were looking much better for a full day of wildlife recording. In fact proceedings had already started at around 4am with a small group opting to drag themselves out of bed and get down to the sea shore for low tide.

Over the next 24 hours, no stone was left unturned. We botanised, netted and sucked up invertebrates, scraped lichen samples, hunted for fungi, checked reptile refugia, ringed birds, trapped moths and detected bats. We were rewarded in the evening with a glorious sunset, which for those visiting just for the day was viewed from the RIB ride back to Cardiff, followed by a beautifully clear night and a fantastic meteor shower.



Once back on the mainland, the hard work continued; identifying species, getting records verified and submitting them to SEWBRcC. The majority of the records have now been submitted and I'm pleased to report that so far an incredible 402 different species have been recorded including 143 species not previously known from the island! The majority of new species added were seashore invertebrates (it pays to get up early), plants, fungi and arachnids – with these last 2 groups including some very exciting finds!



***Kryptonesticus eremita*—a new species to Britain!** © Richard Gallon



***Paurocotylis pila*—a new species to Wales!** © Emma Williams

Richard Gallon, who travelled down from Cofnod, the Records Centre for north Wales, for a chance to look at the under-recorded spiders of Flat Holm, found a specimen of *Kryptonesticus eremita* in one of the island's tunnels— the first time this species has been found in Britain! *K. eremita* is usually found in caves and cellars and is native to mainland Europe. Could Flat Holm be the only place in Britain this species has expanded its range to, or is it going unnoticed in other places due to the under-recorded nature of underground-dwelling spiders?

Another spider recorded on the trip by Richard Gallon, *Panamomops sulcifrons*, was the first of its kind to be found in Wales. A fungus, *Paurocotylis pila*, which was found by Gareth Farr and identified by Emma Williams of Glamorgan Fungus Group is also new to Wales! Both species had previously been found as close as Somerset, but had not been known to have crossed the border before.


The list of new species to the island is expected to grow once records of the lichen and bryophyte specimens that are still being laboriously worked through have been submitted. Both of these groups were very under-recorded prior to the visit. Once complete, all the records from the trip will be shared with Cardiff City Council and the Flat Holm Society so that they can be used to inform management of the island.

I'd like to give a huge thank you to everyone who came on the trip, especially those who generously shared their knowledge with others, whether of a taxonomic group, of biological recording, or of the island. A big thank you also to the Flat Holm Warden, Marianne Bony and to the Flat Holm Society members who helped to make it happen!

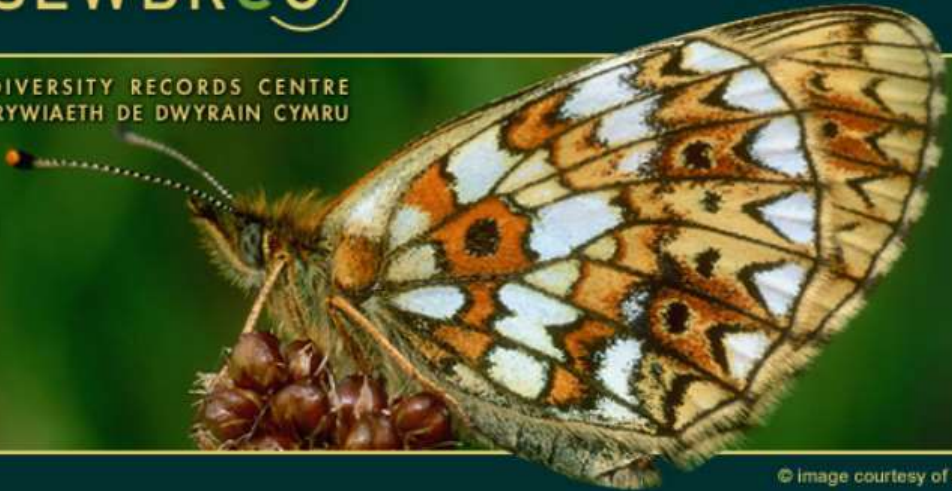
FileEditViewHistoryBookmarksToolsHelp

NBN Atlas Data DownloadGwent Square of the Month - N x

www.sewbrec.org.uk/biological-recording-folder/squares-of-the-monthsewbrec

SEWBReC

SOUTH EAST WALES BIODIVERSITY RECORDS CENTRE
CANOLFAN COFNODI FIOAMRYWIAETH DE DWYRAIN CYMRU



English© Image courtesy of Laurie Campbell

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Submit a Record
(SEWBReCORD)

Biological Recording

Submitting Records to
SEWBReC

Aderyn

SEWBReC Square of the
Month

Pick Your Own Under-
recorded Square

You are: / [Biological Recording](#) / [Squares of the Month](#) / [Gwent Square of the Month - November/December 2017](#)

Gwent Square of the Month - November/December 2017

SO4009

Located near Raglan in Monmouthshire, this square contains just 2 records (see the species list from [Aderyn here](#)).

This square consists of farmland with a right of way running through it.

[OS10 Map](#)

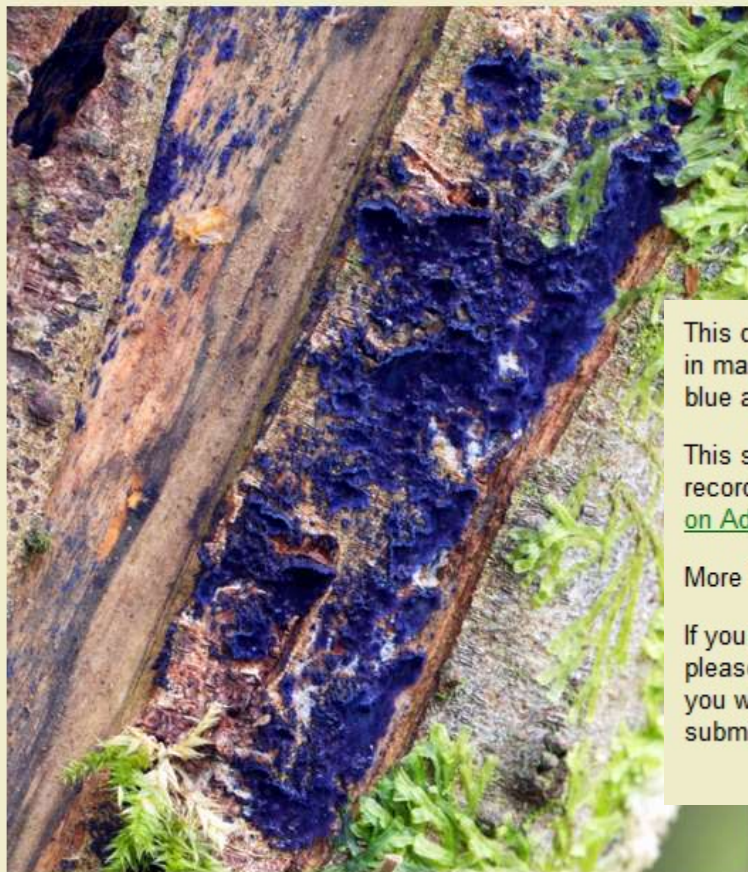
[OS50 Map](#)



Species of the Month: November/December 2017

Cobalt Crust *Terana caerulea*

© Steven Murray



This distinctive bright coloured fungus is considered uncommon in the UK, but can be found in many woodlands in south Wales. As the common name suggests, this species is bright blue and forms a covering crust on trees and deadwood.

This species is likely to be found in much of the SEWBRc area, but we only have 260 records of Cobalt Crust in our database. You can view the Welsh distribution of [Cobalt Crust on Aderyn](#).

More information about Cobalt Crust can be found on [NatureSpot](#) and [First Nature](#).

If you spot Cobalt Crust during November and December (or at any other time of year), please send us the record, ideally via our [Species of the Month form](#) on SEWBRcCORD (nb. you will need to be signed into SEWBRcCORD to use this link). Instructions on how to submit records are [available here](#).

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Growing partnerships: volunteers

From Day 1 individual LERCs have been supporting volunteer biological recorders:

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- Organising recorder's forum events, ID training and recording field days

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Species ID training: coastal plants 2015



RCT Wildlife Field Day: Dare Valley Country Park 2016





Growing partnerships: volunteers

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- Assisting with data management
- Producing newsletters, emails and square/species of the month
- Organising recorder's forum events, ID training and recording field days
- Building an online community via social media
- Seeking recognition for the vital role volunteers play

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Growing partnerships: public sector

Strong historical support for LERCs from the Welsh public sector:

- From 2000 Countryside Council for Wales committed itself to strong support for the establishment and use of Local Records Centres in Wales, as a strategic partner
- Services sold to Environment Agency Wales, Forestry Commission Wales ... since 2013, Natural Resources Wales
- From 2017 LERCs are receiving core funding direct from Welsh Government for the first time, with NRW procuring still data services
- Vast majority of Local Authorities in Wales use LERC services via Service Level Agreements

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Growing partnerships: private sector

Individual LERCs have been increasingly reliant on income from sale of data search services to private sector ecological consultancies.

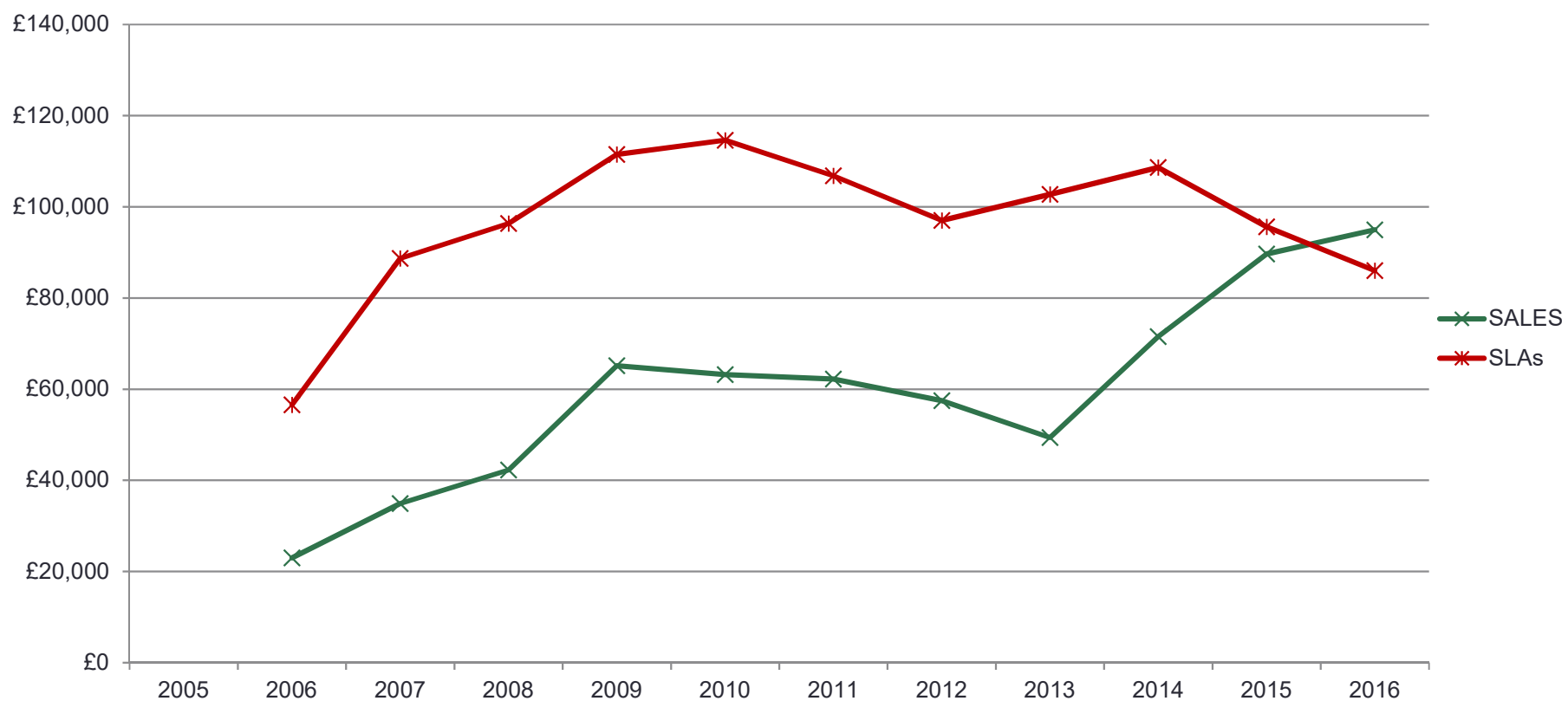
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SEWBR^eC

Public income vs. commercial sales



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Growing partnerships: private sector

Individual LERCs have been increasingly reliant on income from sale of data search services to private sector ecological consultancies.

LERCs have been responsive to the needs of this sector, e.g. by developing reduced prices searches for bats in buildings.

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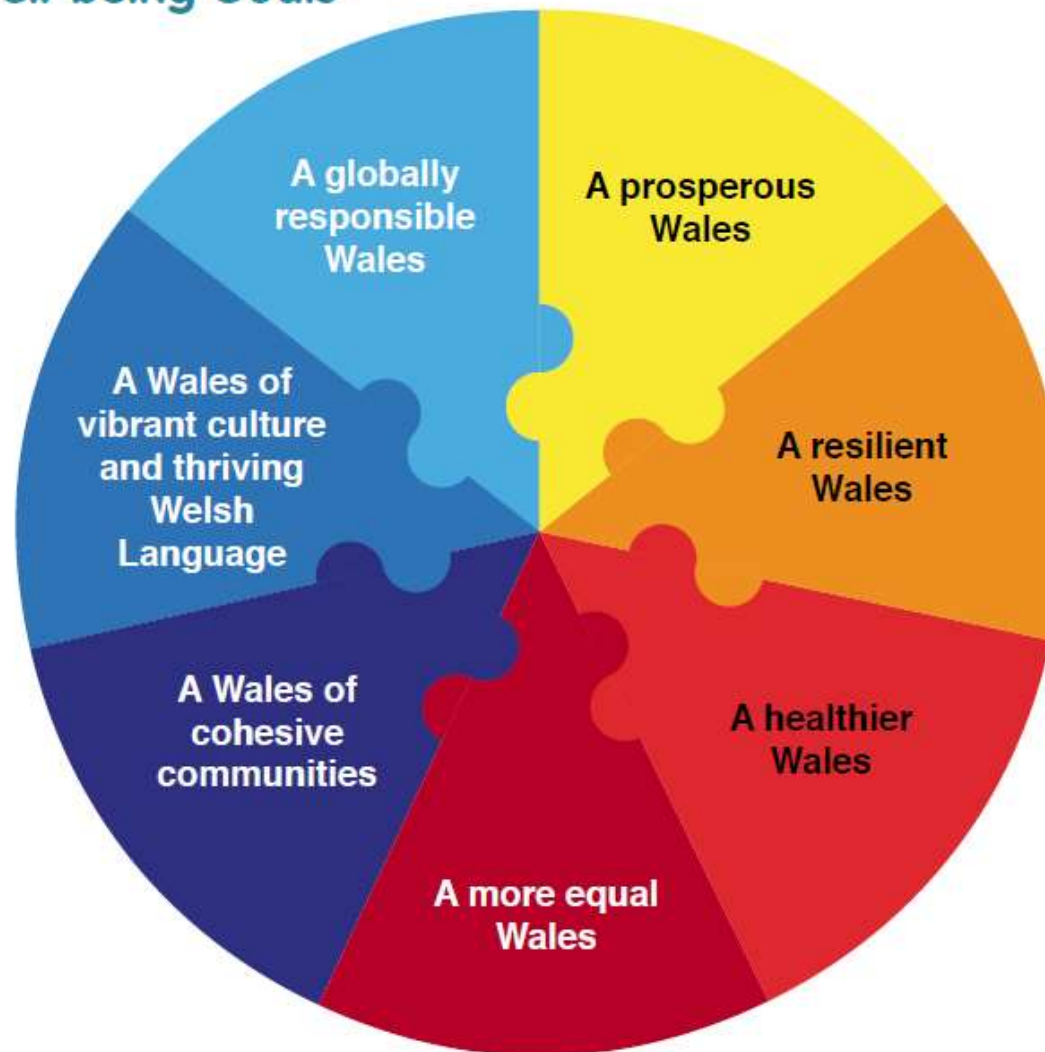
- Maximising Use of the Evidence Base
 - i) Strategic, legal and policy implementation level

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Well being of Future Generations (Wales) Act 2015

Well-being Goals



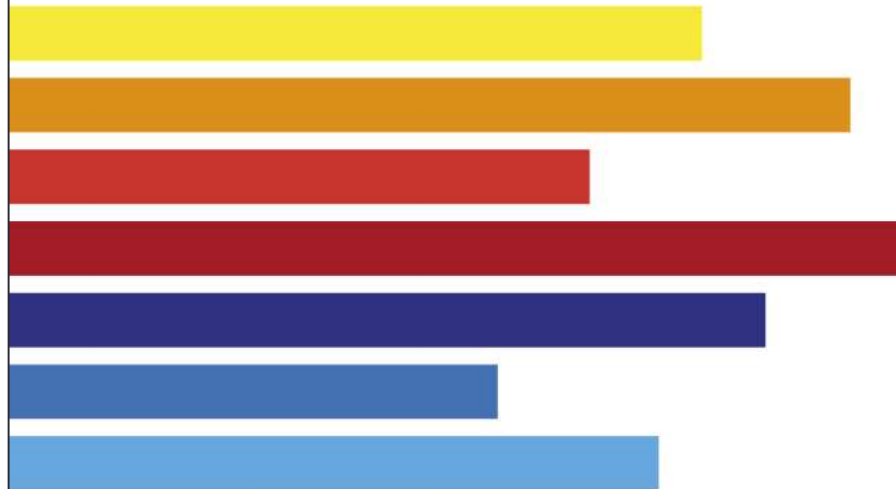


Llywodraeth Cymru
Welsh Government

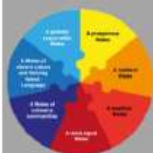
How to measure a nation's progress?

National indicators for Wales

National Indicators for Wales as required by section 10(1) of the
Well-being of Future Generations (Wales) Act 2015.



Laid before the National Assembly for Wales, 16 March 2016



How do you measure a nation's progress

Proposals for the national indicators to measure whether Wales is achieving the seven well-being goals in the Well-being of Future Generations (Wales) Act 2015



The Wales We Want

Our common purpose – the seven well-being goals for Wales

A Prosperous Wales (1)	A Resilient Wales (2)	A Healthier Wales (3)	A More Equal Wales (4)	A Wales of Cohesive Communities (5)	A Wales of Vibrant Culture and Thriving Welsh Language (6)	Globally Responsible Wales (7)
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The way in which we will measure progress

Proposed National Well-being Indicators	1	2	3	4	5	6	7
32 Healthy ecosystems							
33 A biodiverse natural environment							

Environment (Wales) Act 2016

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PART 1

SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES

Introduction

- 1 Purpose of this Part
- 2 Natural resources
- 3 Sustainable management of natural resources
- 4 Principles of sustainable management of natural resources

General duties of public authorities

- 5 General purpose of Natural Resources Body for Wales
- 6 Biodiversity and resilience of ecosystems duty
- 7 Biodiversity lists and duty to take steps to maintain and enhance biodiversity

State of natural resources report

- 8 Duty to prepare and publish state of natural resources report

National natural resources policy

- 9 Duty to prepare, publish and implement national natural resources policy

Area-based implementation of the national policy



MORE VIDEOS

Exit full screen

1:11 / 2:41

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**Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales**

A summary of the State of Natural Resources Report:

**An assessment of the sustainable
management of natural resources**

September 2016





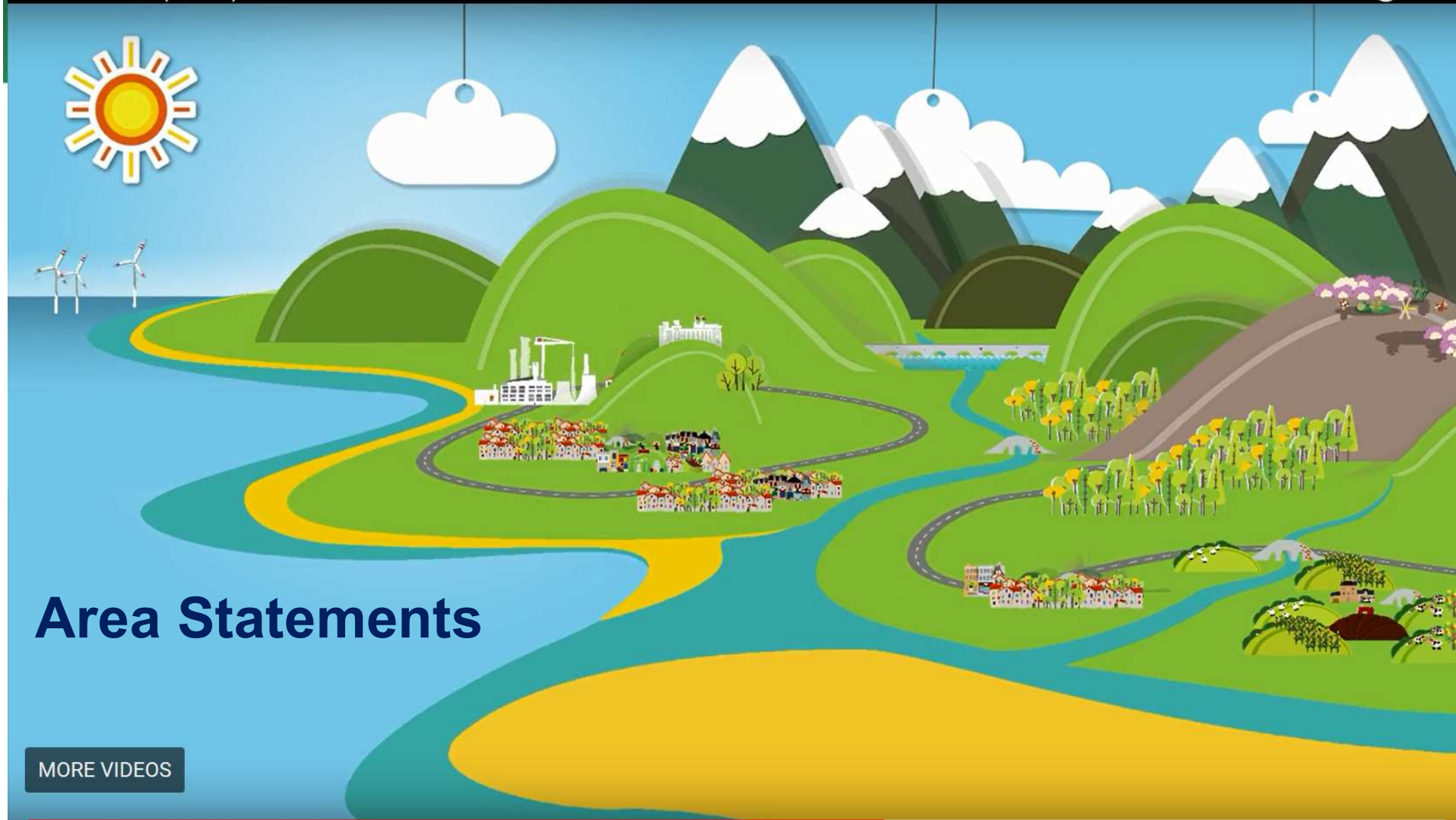
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Area Statements

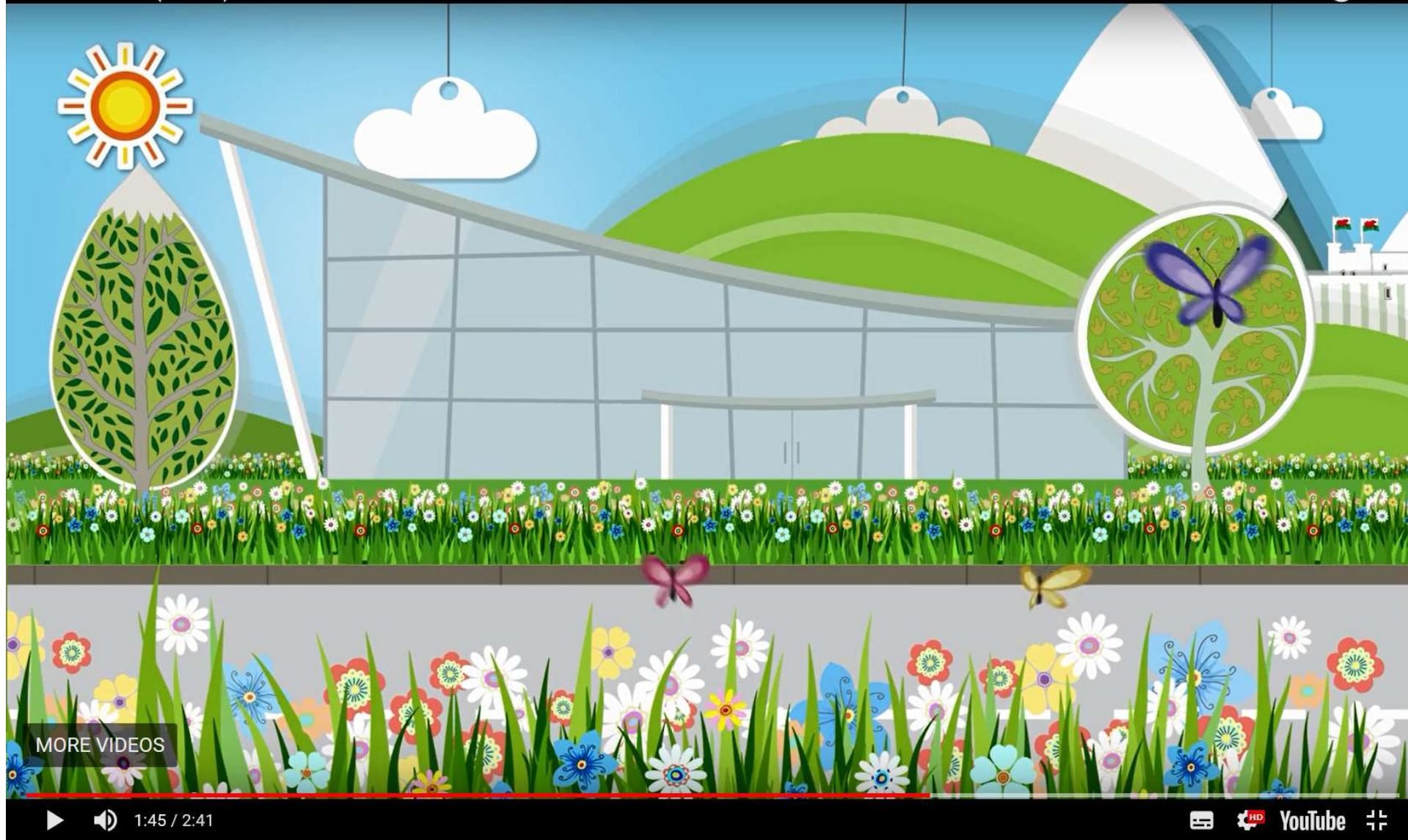
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⌵ HD YouTube 🔍

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Natural Environment and Rural Communities Act 2006 “Biodiversity Duty”

- Section 40 placed a duty on every public authority, in exercising its functions, to **“have regard to the purpose of conserving biodiversity”**

Environment (Wales) Act 2016 “Biodiversity and Resilient Ecosystems Duty”

- Section 6 places a duty on every public authority, in exercising its functions, to **“seek to maintain and enhance biodiversity”** and to **“promote the resilience of ecosystems”**

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The Nature Recovery Plan for Wales

Setting the course for 2020 and beyond

December 2015

Part 1: Our Strategy for Nature

Part 2: Our Action Plan

Part 3: The Nature Recovery Framework



- Maximising Use of the Evidence Base
 - ii) Operational and decision-making level

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Aderyn

Provides direct, online access to the LERC Wales evidence base

Developed by Biodiversity Information Service (BIS) for Powys and BBNP on behalf of the LERC Wales consortium

Public access module launched at BIS 15th anniversary event in 2016

New partner access module launched at the LERC Wales 10th Anniversary event in July 2017

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Language: English



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LERC Wales' Biodiversity Information & Reporting Database

Aderyn is a **Local Environmental Records Centres (LERC) Wales** system, developed and maintained by the **Biodiversity Information Service (BIS)**.



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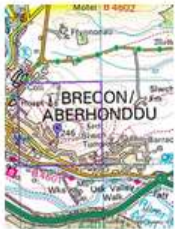
Contact us (using the details at the bottom of this page) for more information regarding who can receive elevated access to the data we hold.

Each of the LERCs in Wales

Aderyn :: Home

Welcome to Aderyn: the Biodiversity Information and Reporting Database of Local Environmental Records Centres Wales. Here you can access wildlife sightings and species records collated by the four LERCs, covering the whole of Wales. Anyone can use this site to view lists of species recorded around their home or maps showing the distribution of species according to data held by LERC Wales. Partners, recorders and planners can be licenced to access high resolution, detailed records to assist decision making and conservation.


What's in my Area?



Ever wondered what species have been seen near your house, school or workplace? This page allows you to find out! Using the map, you can navigate to the location you are interested in, select a 1km grid square, and return a summary of all species for that square (excluding **sensitive species**).

Go

Distribution Maps



This page allows you to see where LERC Wales holds records for a specific species or taxon group (eg birds) across Wales? Select a species or an entire taxon group and display a 10km distribution map, then select a 10km square and see a 1km distribution map (excluding **sensitive species**).

Go

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Aderyn :: Public :: What's in ...

aderyn.lercwales.org.uk/public/search

Search


Language: English



Aderyn

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Location

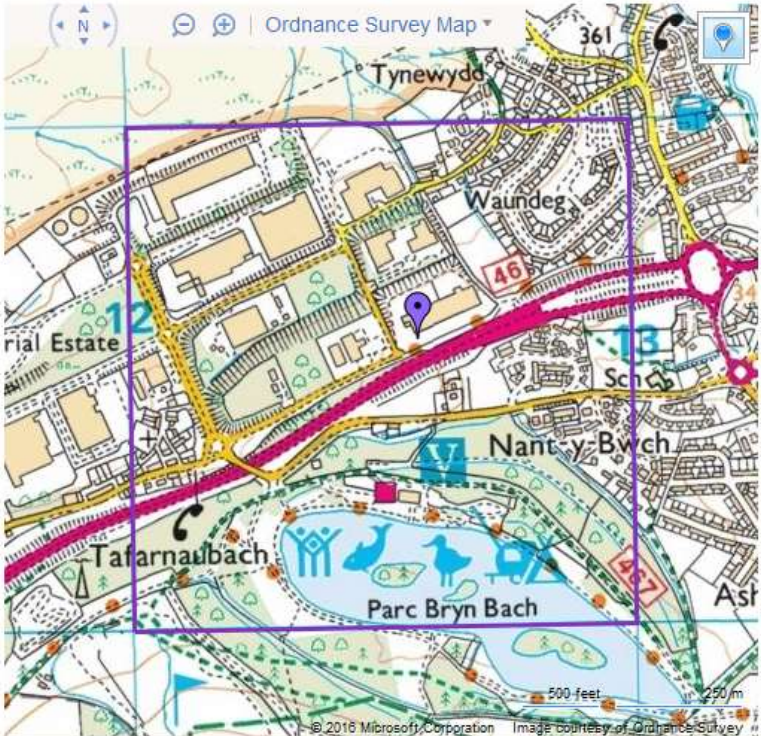
Using the map, navigate to the location you are interested in. Then select the marker tool (in the top right corner of the map) to place a marker on the map. Then click the green search button. Clicking on the marker tool again will de-select it and allow you to continue navigating around the map. If you wish, you can manually enter the 1km grid square rather than use the map. The format is the 100km grid letter code followed by the four figure reference. E.g. SN1256.

You will then be able to view a summary of species recorded in the 1km grid square (shown in purple on the map) that your location is within. **Sensitive species** are removed. If you need more detailed information including sensitive species information, please contact us using the information at the bottom of this page.

Grid Square

Enter a 1km grid square (i.e. SN5678) or use the map to select a square.

Map



FileEditViewHistoryBookmarksToolsHelp

Aderyn :: Public :: What's in ...

aderyn.lercwales.org.uk/public/search/results?latlng=51.786756%2C-3.269

Search

Aderyn

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LOCAL ENVIRONMENTAL RECORDS CENTRES WALES
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HomePublicTools

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Home / What's in my Area / Results

User Information

Log in or register if you are authorised to access restricted areas of this site such as planning applications or partner services.

Contact us (using the details at the bottom of this page) for more information regarding who can receive elevated access to the data we hold.

Aderyn :: What's in my Area? :: Search Results

Below are the results of your search for 1km grid square SO1210. Records are stored as polygons (based on their grid reference resolution). Only records stored at 1km or better resolution are returned. Species are ordered by category and then by scientific name.

The following 394 different species matched your search. Displaying records 1 to 100 of 394. Search area 1.00 km².

8 sensitive species were found in your search area and have been removed from the results. View the list of NRW sensitive species [here](#).

Species	Category	Taxon Group	Count	First Recorded	Last Recorded
Acanthis cabaret (Lesser Redpoll)	CAT1	Birds	3	14/06/2008	26/12/2008
Alauda arvensis (Skylark)	CAT1	Birds	5	01/01/1989	14/06/2008
Alcedo atthis (Kingfisher)	CAT1	Birds	2	06/01/2006	29/09/2010
Amphipyra tragopoginis (Mouse Moth)	CAT1	Invertebrates (insect)	1	04/09/2004	04/09/2004
Anthus trivialis (Tree Pipit)	CAT1	Birds	1	01/01/1989	31/12/1989
Apamea remissa (Dusky Brocade)	CAT1	Invertebrates (insect)	1	01/07/1995	01/07/1995
Aythya marila (Scaup)	CAT1	Birds	1	27/08/1997	27/08/1997
Bucephala clangula (Goldeneye)	CAT1	Birds	10	18/01/2004	18/12/2011
Bufo bufo (Common Toad)	CAT1	Reptiles and Amphib...	1	24/06/2010	24/06/2010
Ceramica pisi (Broom Moth)	CAT1	Invertebrates (insect)	1	01/07/1995	01/07/1995
Chiasmia clathrata (Latticed Heath)	CAT1	Invertebrates (insect)	1	12/06/1996	12/06/1996
Chroicocephalus ridibundus (Black-head)	CAT1	Birds	22	29/01/2004	15/09/2015



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Home Public ▼ Tools ▼

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Contact us (using the details at the bottom of this page) for more information regarding who can receive elevated access to the data we hold.

Aderyn :: Home

Welcome to Aderyn: the Biodiversity Information and Reporting Database of Local Environmental Records Centres Wales. Here you can access wildlife sightings and species records collated by the four LERCs, covering the whole of Wales. Anyone can use this site to view lists of species recorded around their home or maps showing the distribution of species according to data held by LERC Wales. Partners, recorders and planners can be licenced to access high resolution, detailed records to assist decision making and conservation.

What's in my Area?



Ever wondered what species have been seen near your house, school or workplace? This page allows you to find out! Using the map, you can navigate to the location you are interested in, select a 1km grid square, and return a summary of all species for that square (excluding **sensitive species**).

Go ▶

Distribution Maps



This page allows you to see where LERC Wales holds records for a specific species or taxon group (eg birds) across Wales? Select a species or an entire taxon group and display a 10km distribution map, then select a 10km square and see a 1km distribution map (excluding **sensitive species**).

Go ▶

Login

If you are authorised to access restricted areas of this site, enter your email address and password to login. **Forgotten your password?**

Email



Password



Remember me ☒

Login

Contact Us

T: 01874 610881
E: info@bis.org.uk

[Login](#)

Write to Us

LERC Wales Ltd.
C/O Biodiversity Information Service
Unit 4, Royal Buildings, 6 Bulwark
Brecon, Powys
LD3 7LB

Get Involved

[Submit a Record](#)
[What's in My Area](#)

[Aderyn Help](#)

LERC Wales

South Wales - [SEWBRcC](#)
West Wales - [WWBIC](#)
Powys & BBNP - [BIS](#)
North Wales - [Cofnod](#)
Find Your Local LERC - [LERC Wales](#)


FileEditViewHistoryBookmarksToolsHelp

Aderyn :: Public :: Distributio... x +

aderyn.lercwales.org.uk/public/distribution

Search


Language: English



Aderyn

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LOCAL ENVIRONMENTAL RECORDS CENTRES WALES
CANOLFANNAU COFNODION AMGYLCHEDDOL LLEOL CYMRU

HomePublicTools

Login

Home / Distribution Maps

User Information

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Contact us (using the details at the bottom of this page) for more information regarding who can receive elevated access to the data we hold.

Aderyn :: Distribution Maps

Have you ever wondered how widespread a species is across Wales. This page allows you to select a species or an entire taxon group and display a 10km distribution map of that species or group, based on data held by LERC Wales. You can then select a 10km square and see a 1km distribution map (except for **sensitive species**).

Use one of the options below to select the species or group you are interested in.

Species - Drilldown


Select the super group and taxon group first to help narrow the search, then enter the first few characters of the species you require. The number of records we hold for a species is shown after the species name. Finally, select the species from the drop down and click the green go arrow. Some super groups only have a single taxon group within them. If so, this will be automatically selected for you.

Super Group

Select...

Species - Wildcard

If you find it hard to find the species you are looking for, or are unsure what taxon group a species is within, click the search button here to search the entire taxon dictionary.



Taxon Group

Select the super group required first. Then, select the taxon group you require.


Some super groups only have a single taxon group within them. If so, this will be automatically selected for you.

Super Group

Select...

Recently Created Species Maps

- Pararge aegeria (Speckled Wood)
- Abies homolepis (Nikko Fir)
- Macrocylops fuscus (Macrocylops fuscus)
- Libellula depressa (Broad-bodied Chaser)
- Bufo (Bufo)



Contact Us

T: 01874 610881

Write to Us

LERC Wales Ltd.

Get Involved

Submit a Record

LERC Wales

South Wales - SEWBRcC

FileEditViewHistoryBookmarksToolsHelp

Aderyn :: Public :: Distributio... x +

aderyn.lercwales.org.uk/public/distribution

Search

DownloadHomeStarAddBookmarkPrinterShare

Language: English

HomePublicTools

Home / Distribution Maps

User Information

Log in or register if you are authorised to access restricted areas of this site such as planning applications or partner services.

Contact us (using the details at the bottom of this page) for more information regarding who can receive elevated access to the data we hold.

Aderyn

Have you entered a distribution record for a sensitive species?

Use one of the following species

Species

Select the species you are then enter the date of record and select the super group to automatically

Species

If you find a species you are unsure what to do with click the button below

Search the Taxon Dictionary

Enter part of either the scientific or common name and click search. Wildcards are automatically added before and after any phrases. Results are ordered by the number of records held (shown in brackets after the species name).

Scientific Name

Scientific Name

Common Name

grayling

Results

Species	Taxon Group	Map?
Hipparchia semele - Grayling (5789)	insect - butterfly	→
Hipparchia semele subsp. semele - Grayling (44)	insect - butterfly	→
Thymallus thymallus - Grayling (42)	bony fish (Actinopterygii)	→
Hipparchia semele subsp. thylene - Grayling (39)	insect - butterfly	→
Hipparchia semele subsp. atlantica - Grayling (1)	insect - butterfly	→
Hipparchia fagi - Woodland Grayling (0)	insect - butterfly	→
Arethusana arethusia - False Grayling (0)	insect - butterfly	→
Hipparchia semele subsp. hibernica - Grayling (0)	insect - butterfly	→
Hipparchia semele subsp. scota - Grayling (0)	insect - butterfly	→
Hipparchia semele subsp. clarensis - Grayling (0)	insect - butterfly	→

×

🔍

ENVIRONMENTAL RECORDS CENTRES WALES

YNNAU COFNODION AMGYLCHEDDOL LLEOL CYMRU

Login

entire taxon group and display a 10km and see a 1km distribution map (except for

st. Then, select the taxon group you

single taxon group within them. If so, this you.

ect...

s Maps

d Wood)

r)

crocylops fuscus)

bodied Chaser)

Contact Us

T: 01874 610881

Write to Us

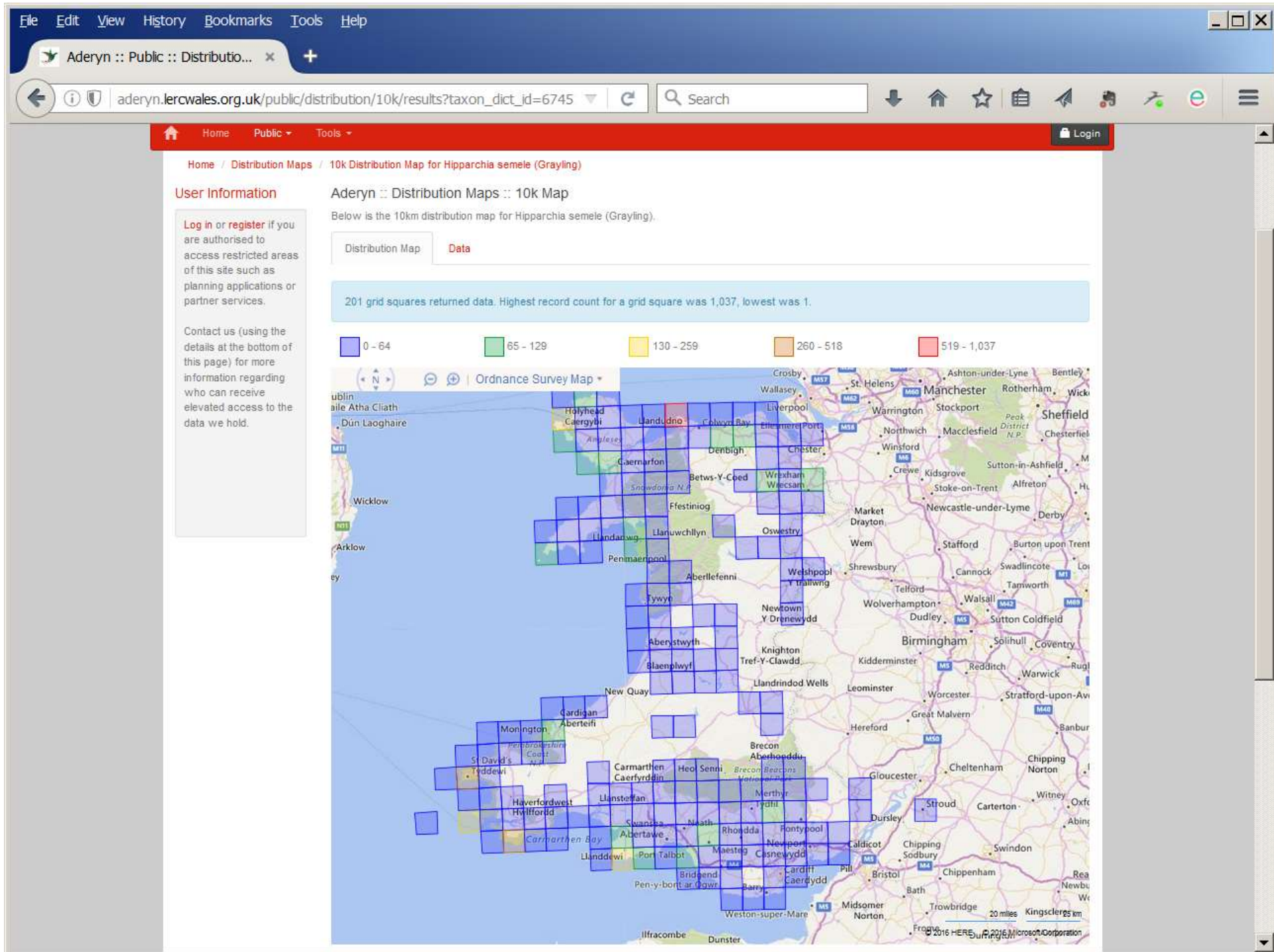
LERC Wales Ltd.

Get Involved

Submit a Record

LERC Wales

South Wales - SEWER&C



User Information

Contact us (using the details at the bottom of this page) for more information regarding who can receive elevated access to the data we hold.

Below is the 1km distribution map for *Hipparchia semele* (Grayling) and SO11.

Distribution Map **Data**

This is a detailed Ordnance Survey map of the Beaufort area in Wales. The map shows the River Sever flowing through the landscape, with several towns and villages including Beaufort, Ebbw Vale, and Tredegar. The map is overlaid with a grid system, with letters A through S and numbers 1 through 15. Key features include the Beaufort Reservoir, the Ebbw Vale Reservoir, and the Tredegar Reservoir. The map also shows various roads, railways, and industrial estates. The title 'Ordnance Survey Map' is visible in the top left corner.


FileEditViewHistoryBookmarksToolsHelp

Aderyn :: Home

aderyn.lercwales.org.uk/home

Search


Language: English



Aderyn

LERC Wales' Biodiversity
Information & Reporting Database

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LOCAL ENVIRONMENTAL RECORDS CENTRES **WALES**
CANOLFANNAU COFNODION AMGYLCHEDDOL LLEOL CYMRU

HomePublicPlanningPlanning ViewerLERCTrustRecorderToolsAdminLogout Adam

Home

User Information

User
User: adam.rowe@s...
Name: Adam Rowe
User type: lerc
Created: 20/03/2017
Expires: 20/03/2042
[Update Profile](#)

Organisation
Name: South East
Type: lrc
Created: 20/09/2016
Searches credit: 0

Aderyn :: Home

Welcome to Aderyn: the Biodiversity Information and Reporting Database of Local Environmental Records Centres Wales. You are logged in. Use the navigation above to continue.

LERC Tasks

Select a task from the list below or use the navigation above.

- Run Planning & Manage Planning Authorities
- Manage Planning Groups
- Data Search
- Commercial Enquiries

FileEditViewHistoryBookmarksToolsHelp

Aderyn | Biological Recording x Aderyn :: Data Search :: 1637764 x

aderyn.lercwales.org.uk/search/1637764?key=IZBR8Lf48VvDT0YC90%Search

DownloadEditSearch

HomeStarClipboardNavigationToolsLanguageMenu

User Information

User

User:
adam.rowe@s...
Name: Adam Rowe
User type: lerc
Created: 20/03/2017
Expires: 20/03/2042
[Update Profile](#)

Organisation

Name: South East
...
Type: lrc
Created: 20/09/2016
Searches credit: 0

Linked to LERC:
SEWBREC

Searches

User searches: 16

Each of the LERC's in Wales offer a Biodiversity information service, tailored specifically for use by Environmental Consultants and developers. Click on the link 'Find your LERC' at the

Aderyn :: Data Search :: LERC Search :: 1637764

DownloadEditSearch

Below are the results of your search. Use the tabs below to navigate the different sections. The data shown on the tabs below is the data returned when this search was run on 13/11/2017. Click on the icons above to download results as a CSV file, edit your search or go to eMapper to view the full results and print off a report.

Overview

Species Records (1,929)

Species Map (1,929)

Overview of Search

Search ID	1637764
Search Key	IZBR8Lf48VvDT0YC
User	Rowe, Adam
Parameters	cats => 1, 2, 3 filter => 1k order => category dedupe =>
Area	point, 51.486345...
Buffer	500m
Record count	1,929
Sites	
Habitats	
Time taken	0.61 seconds
Created	13/11/2017 11:28
Updated	13/11/2017 11:28

Search Location Map

Ordnance Survey

500 feet 250 m

Bing Image courtesy of Ordnance Survey © 2017 Microsoft Corporation Terms

FileEditViewHistoryBookmarksToolsHelp

Aderyn | Biological Recording | xAderyn :: Data Search :: 1637764 x

aderyn.lercwales.org.uk/search/1637764?key=IZBR8Lf4590%Search

DownloadHomeStarAddRemovePrintFull Screen

User Information

User

User:
adam.rowe@s...
Name: Adam Rowe
User type: lerc
Created: 20/03/2017
Expires: 20/03/2042
[Update Profile](#)

Organisation

Name: South East
Type: lrc
Created: 20/09/2016
Searches credit: 0

Linked to LERC: SEWBREC

Searches

User searches: 16

Each of the LERC's in Wales offer a Biodiversity information service, tailored specifically for use by Environmental Consultants and developers. Click on the link 'Find your LERC' at the

Aderyn :: Data Search :: LERC Search :: 1637764

DownloadEditPrint

Below are the results of your search. Use the tabs below to navigate the different sections. The data shown on the tabs below is the data returned when this search was run on 13/11/2017. Click on the icons above to download results as a CSV file, edit your search or go to eMapper to view the full results and print off a report.

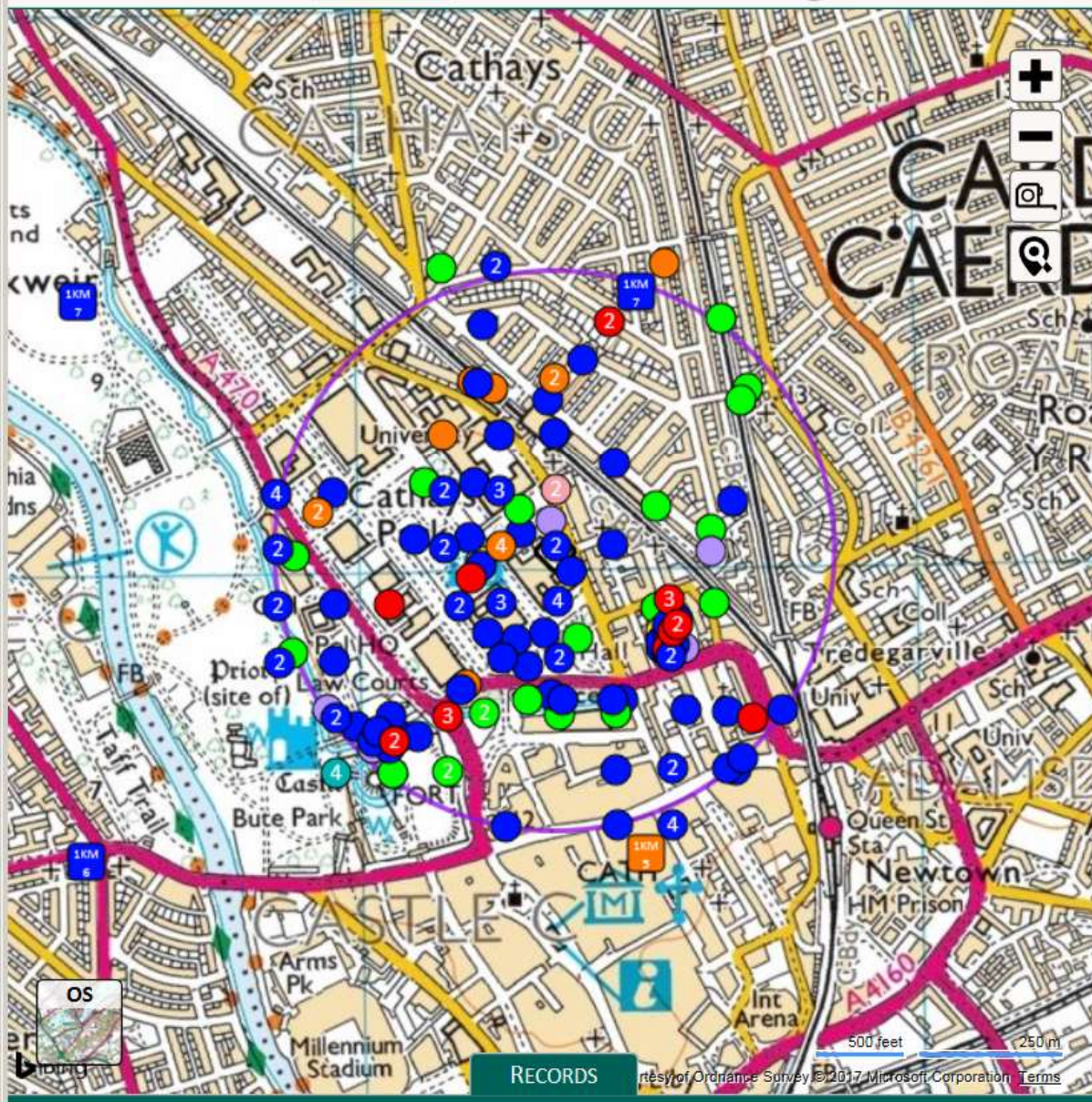
Overview

Species Records (1,929)

Species Map (1,929)

Species records are mapped below. Rectangular icons indicate 1km or lower resolution records. The number of different species at a given grid reference is shown on the icon. The colour of the icon indicates whether Priority Species (red icon), Species of Conservation Concern (orange) or Locally Important Species (yellow) are present. Hover over an icon to see a list of species. Within the list, a colour dot indicates the importance of the species. Distance indicated is the distance between the record centroid and the search area centroid.

The map displays the city of Cardiff, Wales, with numerous colored dots representing species records. The dots are color-coded: red for Priority Species, orange for Species of Conservation Concern, and yellow for Locally Important Species. Each dot contains a number indicating the count of different species at that location. The map includes labels for various landmarks such as the University of Cardiff, Cathays Park, and the Taff Trail. A purple line outlines the search area. A legend in the top right corner identifies the colors and numbers used on the map.

Aderyn
LERC Wales' Biodiversity &
Reporting Database

Viewing Mode

Confidential

Public

Key

- ☒ Search Location
- ☒ Search Buffer (500m)

Species

Filters

[Select All](#) | [Select None](#) | [Collapse Menu](#)

- ☒ Bees, Wasps, Ants and Sawflies
- ☒ Birds
- ☒ Butterflies and Moths
- ☒ Fish
- ☒ Fungi, Lichen and Slime Moulds
- ☒ Mammals
- ☒ Other Invertebrates
- ☒ Plants
- ☒ Reptiles and Amphibians

- ☐ Display grid reference labels
- ☐ Display species by category
- ☐ Draw 1km - 100km records as squares
- ☐ Show grid reference at cursor

[View Species List](#)

Sites

- No Records -

- ☒ Display site identification labels

eMapper for LERC Wales Aderyn Search - Internet Explorer

http://emapper.cofnod.org.uk/?src Aderyn :: Data Search :: 1637... eMapper for LERC Wales Ad...

File Edit View Favorites Tools Help

eMapper [Feedback](#) [Submit a Record](#) **LERC_DATA_SEARCH_2017** [Print](#) [Download](#) [My Enquiry](#) [More Tools](#)

Species at ST183770

Distance: 14m
Birds
Starling
Sturnus vulgaris

[Show only this species](#)

OS

RECORDS

Showing 1 to 1,929 of 1,929 entries

Distance	Species Name	Grid Reference	Site Name	Date	Rec
14m	Starling (<i>Sturnus vulgaris</i>)	ST183770 Imported	Park Place	21/03/2016	Rebecca
14m	Autumn Lady's- tresses (<i>Spiranthes spiralis</i>)	ST183770 original	University College	1953	R.C. McL

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LERC Wales' Biodiversity & Reporting Database

Viewing Mode
☒ Confidential ☐ Public

Key

- ☒ Search Location
- ☒ Search Buffer (500m)

Species [Filters](#)

[Select All](#) | [Select None](#) | [Collapse Menu](#)

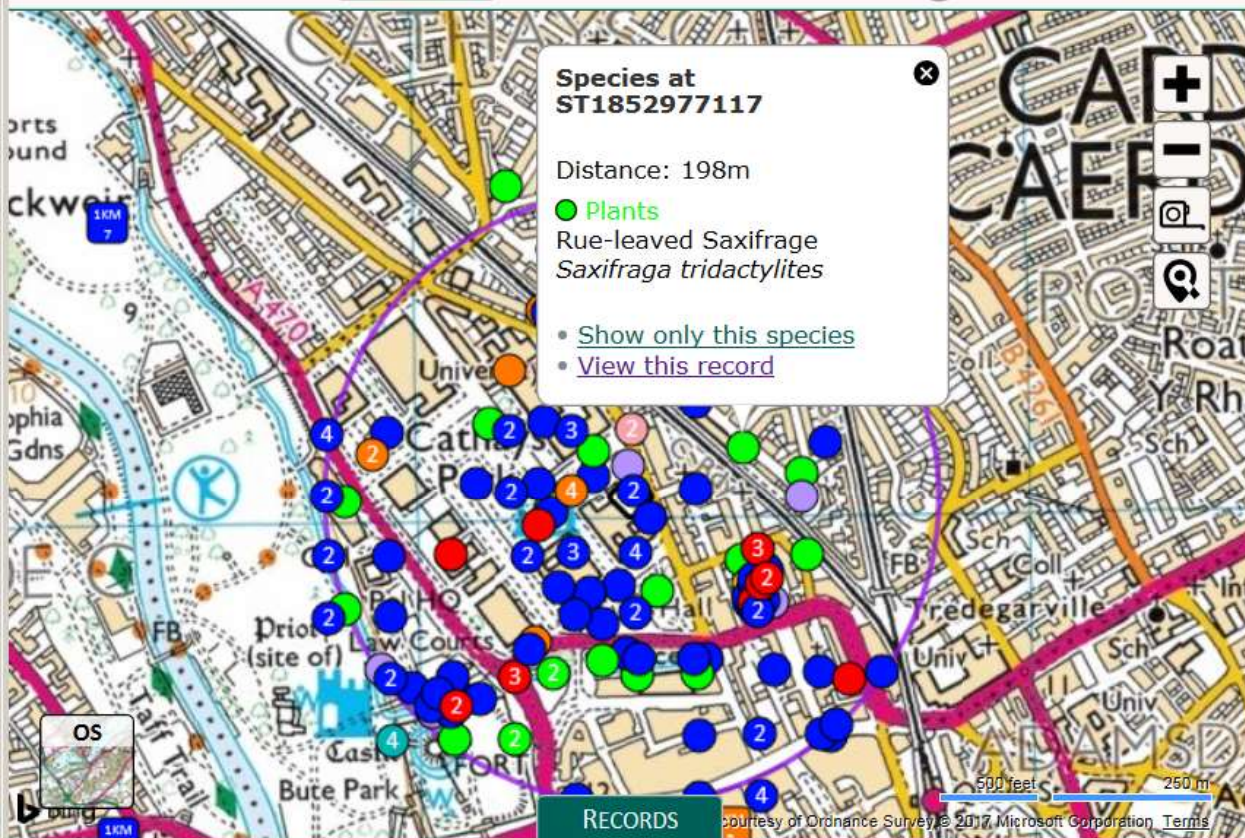
- ☒ Bees, Wasps, Ants and Sawflies
- ☒ Birds
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- ☒ Fish
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- ☒ Reptiles and Amphibians

☐ Display grid reference labels
☐ Display species by category
☐ Draw 1km – 100km records as squares
☐ Show grid reference at cursor

[View Species List](#)

Sites
- No Records -

☒ Display site identification labels



Close

Moth
(*Zeuzera pyrina*)

ST18177694

Imported

Cardiff civic centre

22/06/2017

Barbara Brown

Rue-leaved Saxifrage
(*Saxifraga tridactylites*)

ST1852977117

Imported

Cathays

2015

Tim Rich

Grasshopper
Warbler
(*Locustella naevia*)

ST181770

original

Alexandra Gardens

19/04/1988

Dave Bull

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Viewing Mode

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Key

- Search Location
- Search Buffer (500m)

Species

Filters

[Select All](#) | [Select None](#) | [Collapse Menu](#)

- Bees, Wasps, Ants and Sawflies
- Birds
- Butterflies and Moths
- Fish
- Fungi, Lichen and Slime Moulds
- Mammals
- Other Invertebrates
- Plants
- Reptiles and Amphibians

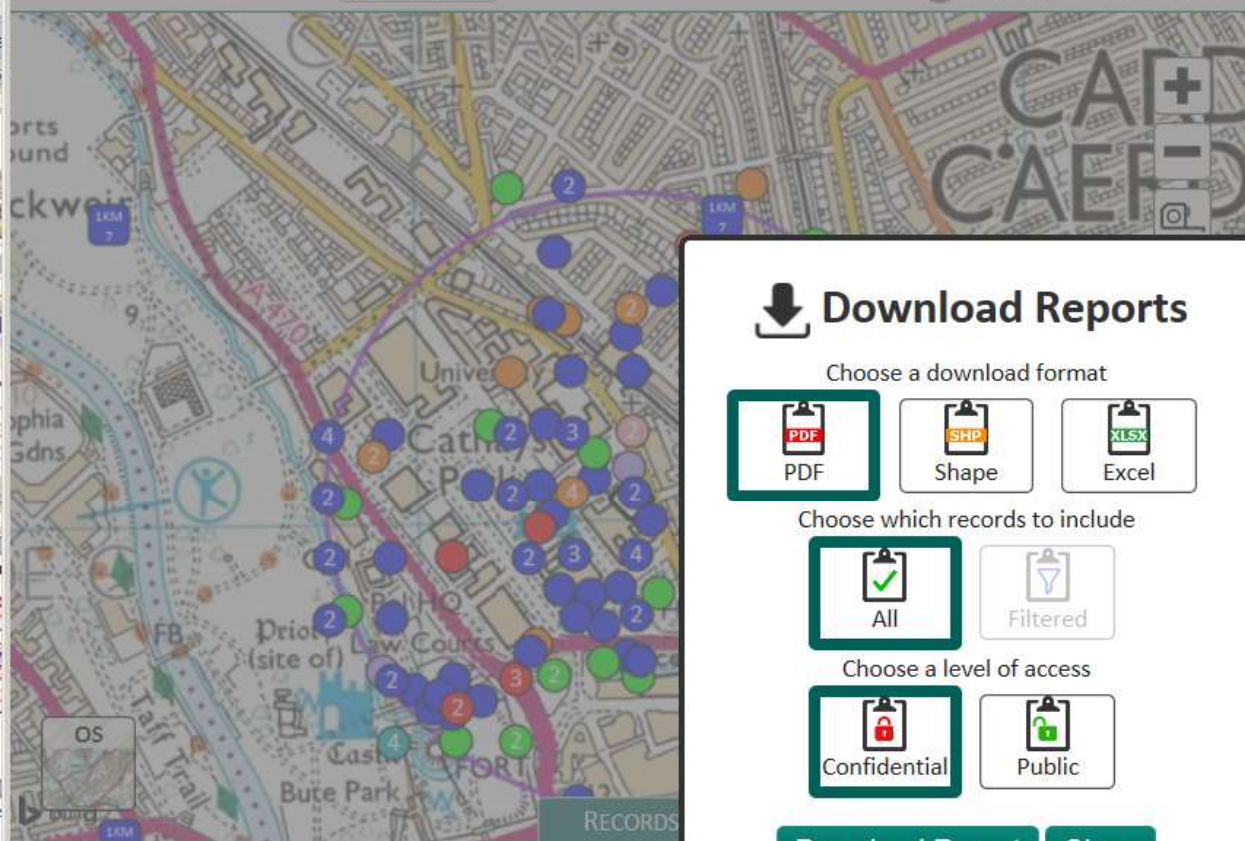
- ☐ Display grid reference labels
- ☐ Display species by category
- ☐ Draw 1km – 100km records as squares
- ☐ Show grid reference at cursor

[View Species List](#)

Sites

- No Records -

- ☒ Display site identification labels



Download Reports

Choose a download format



PDF



Shape



Excel

Choose which records to include



All



Filtered

Choose a level of access



Confidential



Public

Download Report

Close

Close

Moth
(*Zeuzera pyrina*)

ST18177694

Imported

Cardiff civic centre

Rue-leaved Saxifrage
(*Saxifraga tridactylites*)

ST1852977117

Imported

Cathays

2015

Tim Rich

Grasshopper
Warbler(*Locustella naevia*)

ST181770

original

Alexandra Gardens

19/04/1988

Dave Bull

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Reporting Database

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Confidential

Public

Key

- ☒ Search Location
- ☒ Search Buffer (500m)

Species

Filters

[Select All](#) | [Select None](#) | [Collapse Menu](#)

- ☒ Bees, Wasps, Ants and Sawflies
- ☒ Birds
- ☒ Butterflies and Moths
- ☒ Fish
- ☒ Fungi, Lichen and Slime Moulds
- ☒ Mammals
- ☒ Other Invertebrates
- ☒ Plants
- ☒ Reptiles and Amphibians

- ☐ Display grid reference labels
- ☐ Display species by category
- ☐ Draw 1km – 100km records as squares
- ☐ Show grid reference at cursor

[View Species List](#)

Sites

- No Records -

- ☒ Display site identification labels

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Inbox
{Spam?} Aderyn :: New Plan...

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Write
Chat
Address Book
Tag
Quick Filter
Search <Ctrl+K>

From Do Not Reply @ LERC Wales
Subject {Spam?} Aderyn :: New Plannning Applications :: Newport City Council
To Adam Rowe

Reply
Forward
Archive
Junk
Delete
More

21/09/2017 11:28



LERC Wales Aderyn :: New Plannning Applications :: Newport City Council



Dear Adam Rowe,

The following planning applications have been processed. Follow the links below to login and view these applications or use the E-Mapper links to view the application location and species records directly.

The numbered headings below represent the number of species in each species category - Priority Species (Category 1), Species of Conservation Concern (Category 2), and Locally Important Species (Category 3). "RA" are Red Alert species records - Priority Species records within 100m of the site. "S" and "H" are counts of protected sites (or other significant sites) and possible priority habitat types found.

View these applications online: http://aderyn.lercwales.org.uk/planning_viewer

The information contained in this email and via the links below is strictly confidential and intended only for the person named in this email.

App. Num.	Date	Planning Group	Grid Ref.	Location	RA	1	2	3	S	H	View
17/0865	14/09/2017	Group 4	ST3000387372	The Beeches, 15, Stow Park ...	1	3				6	 
Unitary Authority: Newport Proposal: POLLARD LIME, HORNBEAM AND SYCAMORE TREES, REDUCTION TO COPPER BEACH AND LIME TREES, FELL FIR TREES AND DISEASED COPPER BEACH, REMOVE DEADWOOD FROM PINES AND CEDAR TREES (Trees in Conservation Areas)											
17/0834	14/09/2017	Group 3	ST4146390087	Hillcrest Farm, Bowdens Lan...	2	39	2	105	5	8	

22
Today Pane

Language: English

New Commercial Enquiry

Select a package. Click on a row to select it.

Package A: Bats (2km) & Roof-nesting Birds 150m Perfect for small projects (point searches only) - £85.00

Package B: Priority Species 1km Search for priority species within 1km of your location(s) - from £120.00

Actual price is based on the total area selected (< 5KM² = £120.00, < 15KM² = £160.00, < 30KM² = £230.00, < 60KM² = £280.00, < 80KM² = £300.00, < 120KM² = £320.00, < 175KM² = £340.00, < 250KM² = £360.00)

Package C: Priority Species 2km Search for priority species within 2km of your location(s) - from £160.00

Actual price is based on the total area selected (< 15KM² = £160.00, < 30KM² = £230.00, < 60KM² = £280.00, < 80KM² = £300.00, < 120KM² = £320.00, < 175KM² = £340.00, < 250KM² = £360.00)

Package D: Priority Species 5km Search for priority species within 5km of your location(s) - from £300.00

Actual price is based on the total area selected (< 80KM² = £300.00, < 120KM² = £320.00, < 175KM² = £340.00, < 250KM² = £360.00)

Cancel

Next →

Organisation

Name: South East ...
Type: lrc
Created: 20/09/2016
Searches credit: 0

Linked to LERC:
SEWBREC

PO Number:

07/11/17 13:15	Amy Hicks (South East Wales Biodiversity Records Centre) Customer Reference: test 2 PO Number:	Package B: Priority Species 1km	New	Amy Hicks
07/11/17 12:40	Amy Hicks (South East Wales Biodiversity Records Centre) Customer Reference: Test search PO Number: PO12345	Package A: Bats (2km) & Roof-nesting Birds 150m	Paid	Amy Hicks Invoice Number: 746536363
22/09/17	Amy Hicks (South East Wales	Package A: Bats (2km) &	New	Adam Rowe



User Information

User

User: adam.rowe@s...
Name: Adam Rowe
User type: lerc
Created: 20/03/2017
Expires: 20/03/2042
[Update Profile](#)

Organisation

Name: South East ...
Type: lrc
Created: 20/09/2016
Searches credit: 0

Linked to LERC:
SEWBREC

Searches

User searches: **18**

Each of the LERC's in Wales offer a Biodiversity information service, tailored specifically for use by Environmental Consultants and developers. Click on the link 'Find your LERC' at the bottom of this page to go to the relevant LERC.

Customer Details

Adam Rowe - South East Wales Biodiversity Records Centre (Lrc)
Customer Reference: Test 1
PO Number: Test

adam.rowe@sewbrec.org.uk

Internal

Created By: Adam Rowe, South East Wales Biodiversity Records Centre
Linked to LERC SEWBREC

Status: New

[Cancel Enquiry](#)[Delete Enquiry](#)

Notes:

Package:

Package B: Priority Species 1km Search for priority species within 1km of your location(s) - from £120.00

Actual price is based on the total area selected

(< 5KM² = £120.00, < 15KM² = £160.00, < 30KM² = £230.00, < 60KM² = £280.00, < 80KM² = £300.00, < 120KM² = £320.00, < 175KM² = £340.00, < 250KM² = £360.00)

Location

Location Type: Point
Details: 51.486307,-3.177329
Area: 3.12km²

[Set location](#)

LERC

This enquiry belongs to SEWBREC.

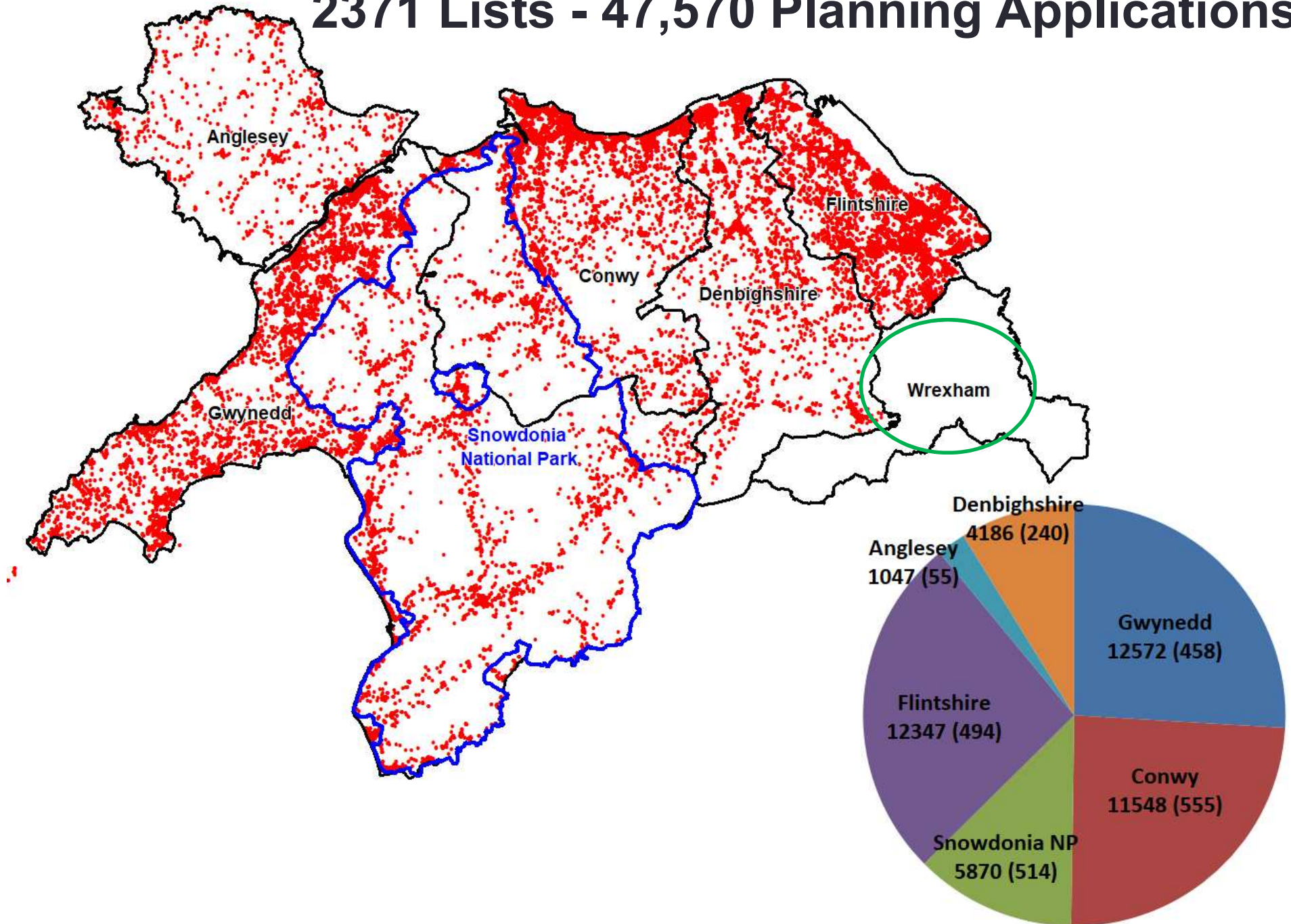
BIS	0%
COFNOD	0%
SEWBREC	100%
WWBIC	0%

[Calculate LERC](#)

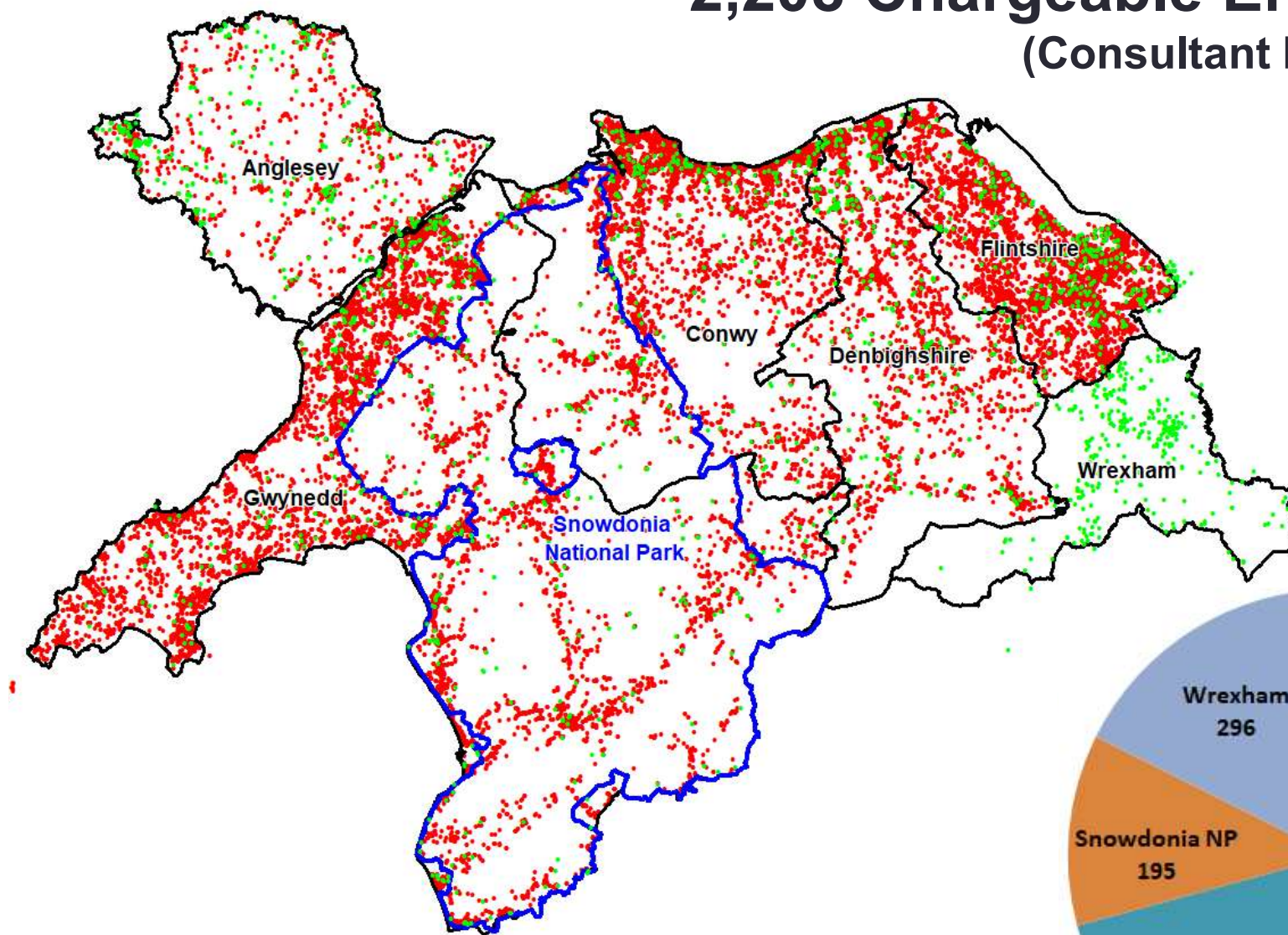
Search Details

Species	4642
Pri. Species	601
Cons. Concern	500

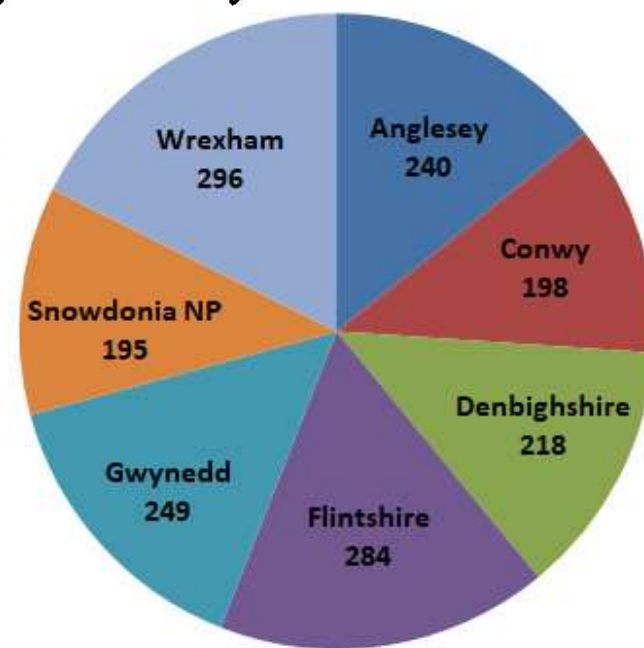
2371 Lists - 47,570 Planning Applications



2,208 Chargeable Enquiries (Consultant Ecologists)



4.6% of all planning applications (some are not)
London LERC (GiGL) estimate 20%

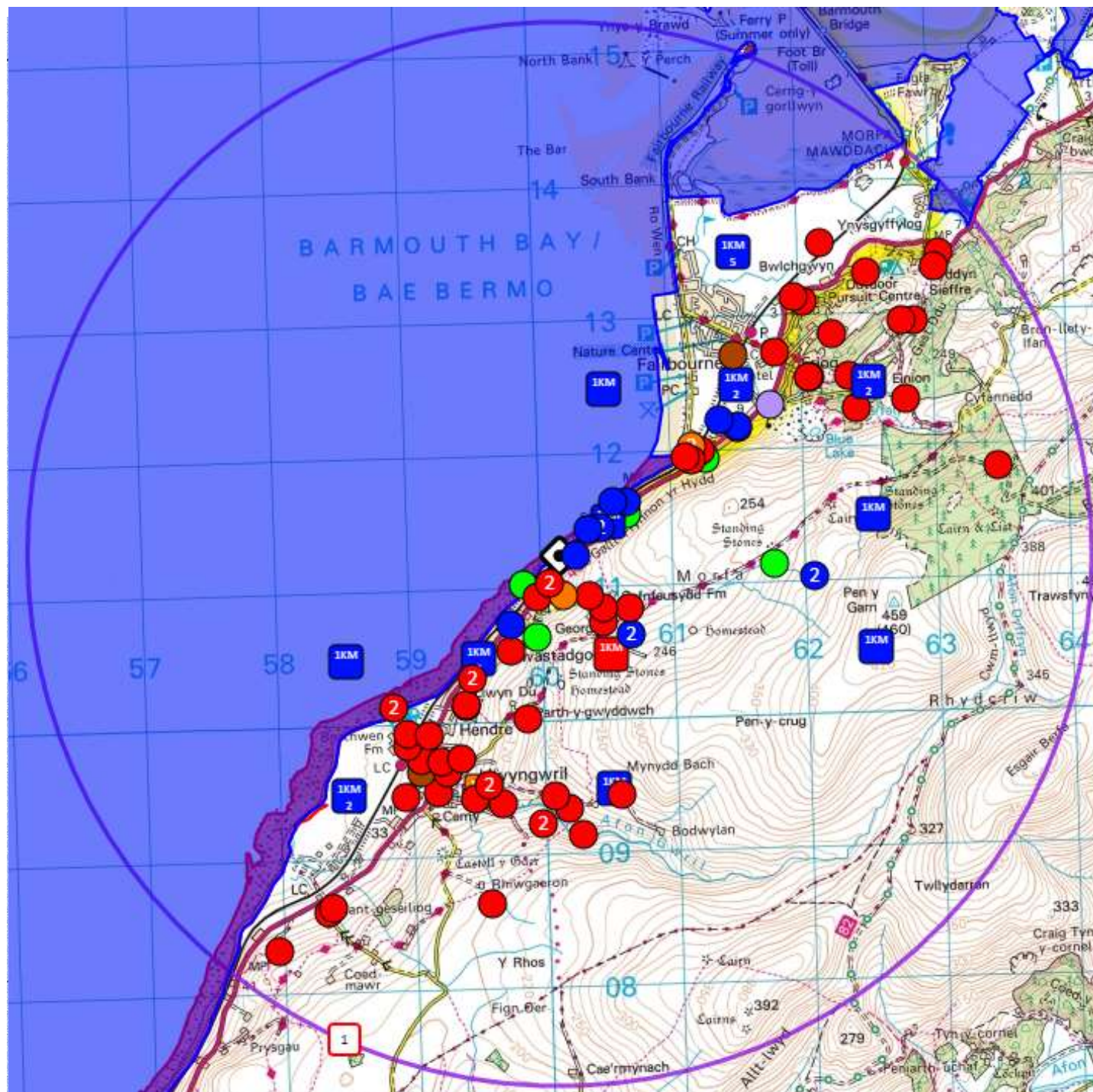




- Increasing Collaboration and Co-operation

LOCAL ENVIRONMENTAL RECORDS CENTRES **WALES**

CANOLFANNAU COFNODION AMGYLCHEDDOL LLEOL **CYMRU**



Enquiry 1 of 2208

2007
 15 Records
 12 species
 3 EPS
 1 hour 15 mins

2015
 119 Records
 41 EPS

2017
 286 Records
 111 Species
 86 EPS
 3 seconds

Occurrence records

Customise filters

Narrow your results

Selected filters

☒ Licence: 'CC-BY-NC' - within 2 km of point(52.681, -4.069)

Taxon

Attribution

Data resource

☐ Birds (BTO+Partners) (6,654)☐ Non-avian taxa (BTO+partners) (42)☐ Records from the RHS insect reference collection (30)☐ Macro-moth distribution records for the

choose more...

Occurrence

Refine your search

	Data resource	Count
<input type="checkbox"/>	Birds (BTO+Partners)	6654
<input type="checkbox"/>	Non-avian taxa (BTO+partners)	42
<input type="checkbox"/>	Records from the RHS insect reference collection	30
<input type="checkbox"/>	Macro-moth distribution records for the UK for the period pre 2000 from Butterfly Conservation	16
<input type="checkbox"/>	Records of Invasive Non Native Species held on the Cofnod database	15
<input type="checkbox"/>	UK Jellyfish Sightings from 2003 to 2015	9
<input type="checkbox"/>	Mollusc (marine) data for Great Britain and Ireland	6
<input type="checkbox"/>	Marine Turtles	2
<input type="checkbox"/>	Big Bluebell Watch	2
<input type="checkbox"/>	PlantTracker data from 2012 onwards	1
<input type="checkbox"/>	The ARC Rare Species Database	1
<input type="checkbox"/>	RHS Hemerocallis midge survey	1

INCLUDE selected items

EXCLUDE selected items



Close

Occurrence records

Customise filters

Narrow your results

Selected filters

☒ Licence: 'CC-BY' - within 2 km of point(52.681, -4.069)

Taxon

Attribution

Data resource

☐ Bryophyte data for Great Britain from the British Bryological Society held by BRC: Atlas 2014 (76)☐ BLS Lichen Database: Wales 1650-2016 (53)☐ RSPB Big Garden Birdwatch winter sightings in the UK in 2009

Occurrence

Refine your search

	Data resource	Count
<input type="checkbox"/>	Bryophyte data for Great Britain from the British Bryological Society held by BRC: Atlas 2014	76
<input type="checkbox"/>	BLS Lichen Database: Wales 1650-2016	53
<input type="checkbox"/>	RSPB Big Garden Birdwatch winter sightings in the UK in 2009	28
<input type="checkbox"/>	RSPB Big Garden Birdwatch winter sightings in the UK in 2008	10
<input type="checkbox"/>	Caddisfly (Trichoptera) records from Britain and Ireland to 2012	9
<input type="checkbox"/>	Tachinid Recording Scheme - GB and Ireland records	3
<input type="checkbox"/>	Soldier Beetle and Jewel Beetle (Coleoptera; Cantharoidea and Buprestoidea) records for Britain and Ireland to 2000	3
<input type="checkbox"/>	DASSH Data Archive Centre Academic Surveys	2
<input type="checkbox"/>	Verified Marine records from Indicia-based surveys	1
<input type="checkbox"/>	Ticks (<i>Ixodidea</i>) distribution for the British Isles	1

INCLUDE selected items

EXCLUDE selected items



Close



DATA: SOMETHING FOR NOTHING?

- **It costs money to manage data!** (liaison, collation, quality assurance, database management, delivering products and services)
- There was no real strategy for managing biodiversity data in Wales before LERCs took on the role
- Welsh LERCs now facilitate the movement of almost one million records per year into the NBN
- More and longer-term resources are needed to sustain the required level to manage and grow the evidence base
- LERCs in Wales have proven business models: drawing in significant sums of money from developers
 - **‘polluter pays’ = good!**

LOCAL ENVIRONMENTAL RECORDS CENTRES **WALES**

CANOLFANNAU COFNODION AMGYLCHEDDOL LLEOL **CYMRU**



DATA: SOMETHING FOR NOTHING?

- We understand the pressure on national agencies to push for ‘**open data**’ – the datasets they manage are funded by taxpayers
- Volunteered data is different – **access to volunteered data is a privilege, not a right**
- LERCs provide vital support for volunteer recorders and many recorders wish to see the business model of LERCs protected
- LERCs are vital local nodes in the NBN

LOCAL ENVIRONMENTAL RECORDS CENTRES **WALES**

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LERC Wales: Growing an Evidence Base Fit for Wales

www.lercwales.org.uk

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LOCAL ENVIRONMENTAL RECORDS CENTRES **WALES**

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