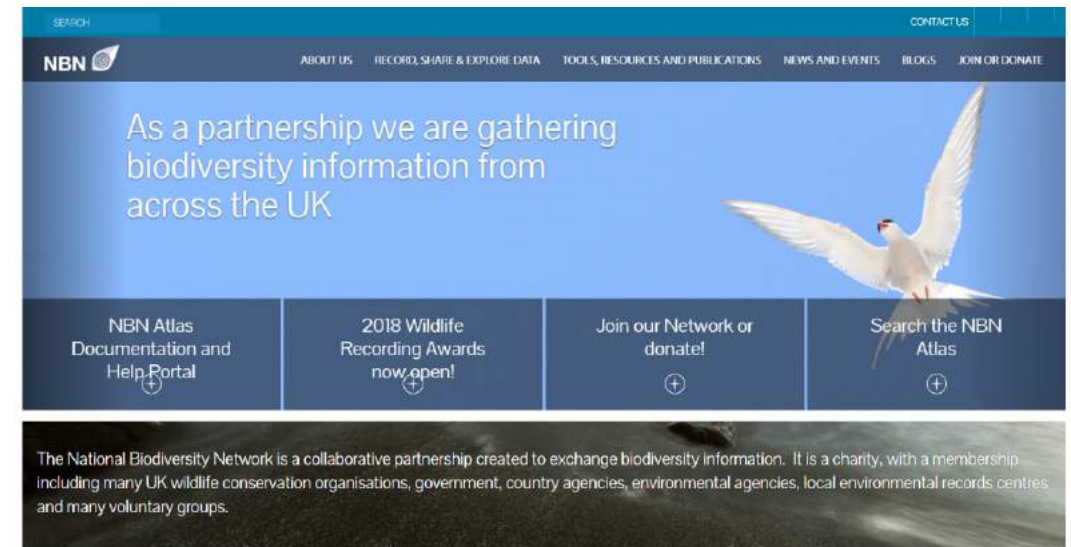
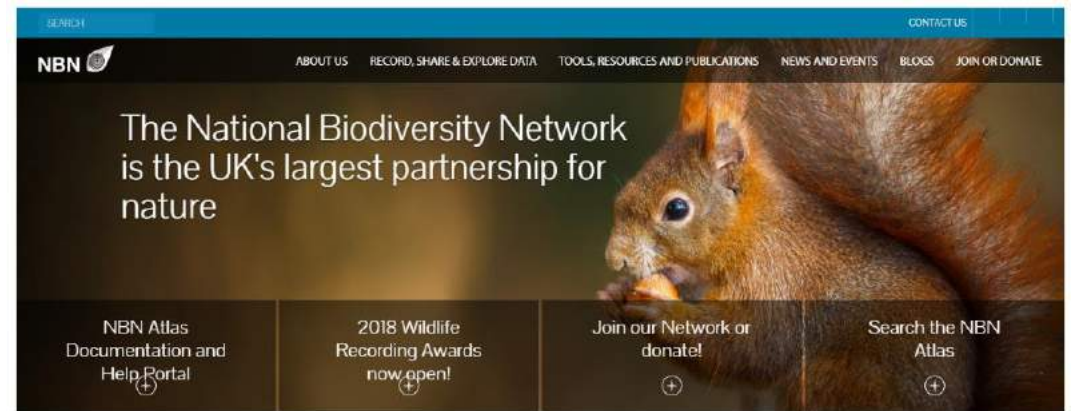


Developing the NBN Atlas

Dr Jo Judge, Chief Executive NBN Trust,
j.judge@nbn.org.uk, @jo_judge, @NBNTTrust, @NBNAAtlas

National Biodiversity Network Trust

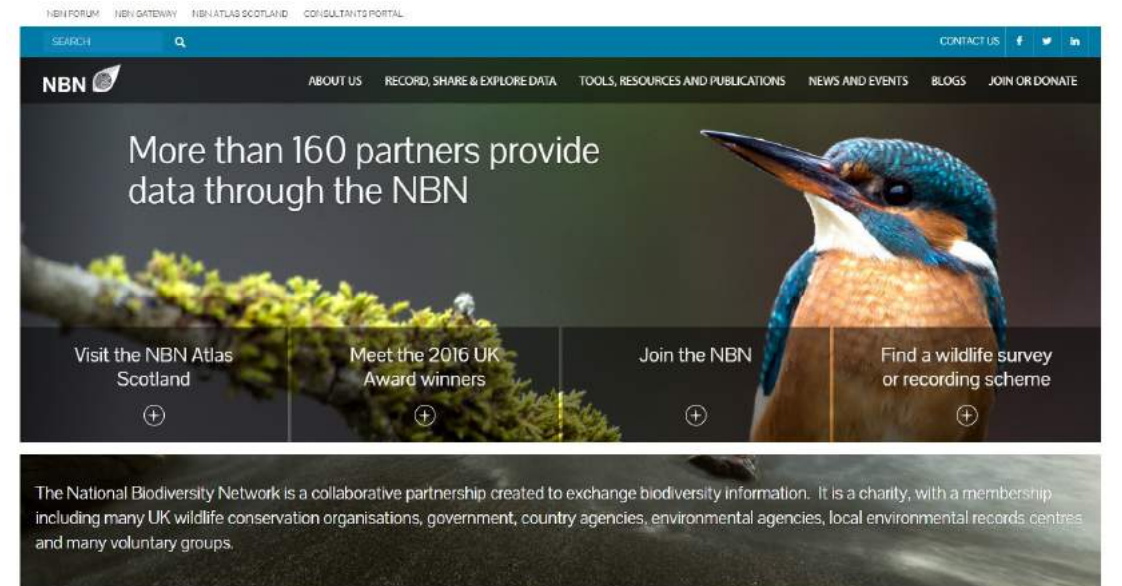
- Charity set up in 2000
- Non Partisan
- c. 220 million UK species records
- Priority - grow national commitment to sharing biological data & information
- To understand our natural world & use that knowledge to educate and inform



NBN Members

Include:

- National biological recording schemes and societies
- Wildlife charities and NGOs
- Local Environmental Records Centres
- Government Agencies
- Research Institutions
- Museums
- Botanic Gardens
- Members of the public



Welcome to the

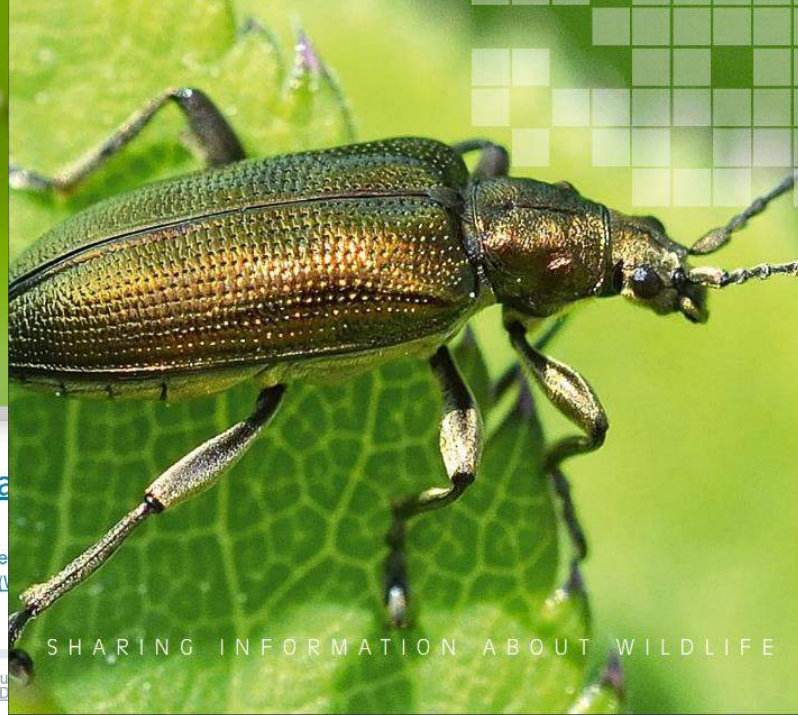
Latest Data

West Wales Biodiversity
INNS Data: All Taxa (V

By using this site you accept to be bound by our
CONDITIONS and our COOKIES AND

NBN Gateway Technical and User Review

February 2015
Report prepared by
The NBN Trust



SHARING INFORMATION ABOUT WILDLIFE

Login

Search the NBN Gateway

Go

Documentation

Forum

National Biodiversity
Gateway. Use it to explore
diversity data, as contributed
by [data providers](#).

Post your comments and
join the discussion on the [NBN Forum](#).

Map Tool
Location

Key Statistics

953
129,763,208
28th September 2016

SS

National Biodiversity Network by CEH and JNCC.

It is with great sadness that the Atlas of Living Australia informs all our community that our Director Dr John La Salle has unexpectedly passed away. John made a profound contribution to the growth and development of the ALA, its team and operations, and the wider national and international biodiversity community. [Read more...](#)

The **Atlas of Living Australia** is a collaborative, national project that aggregates biodiversity data from multiple sources and makes it freely available and usable online.

Occurrence Records
74,980,414

Species
116,724

Data downloads
1,663,969

Registered users
38,293



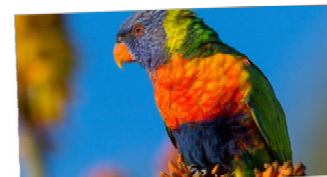
Australian iconic species

Browse some of our most popular species, or search over 100,000 species within the ALA.



Explore by location

Browse species by pre-defined [region](#) or by [location](#).



Mapping & analysis

Explore species occurrence records using the [Spatial Portal](#) or search records for species occurrences.



The NBN Atlas will revolutionise the use of UK biodiversity data, enabling it to be shared, analysed and researched

NBN WEBSITE

Find out more about the National Biodiversity Network

VIEW NBN ATLAS DATA PARTNERS

Find out who provides data to the NBN Atlas

HELP WITH USING THE NBN ATLAS

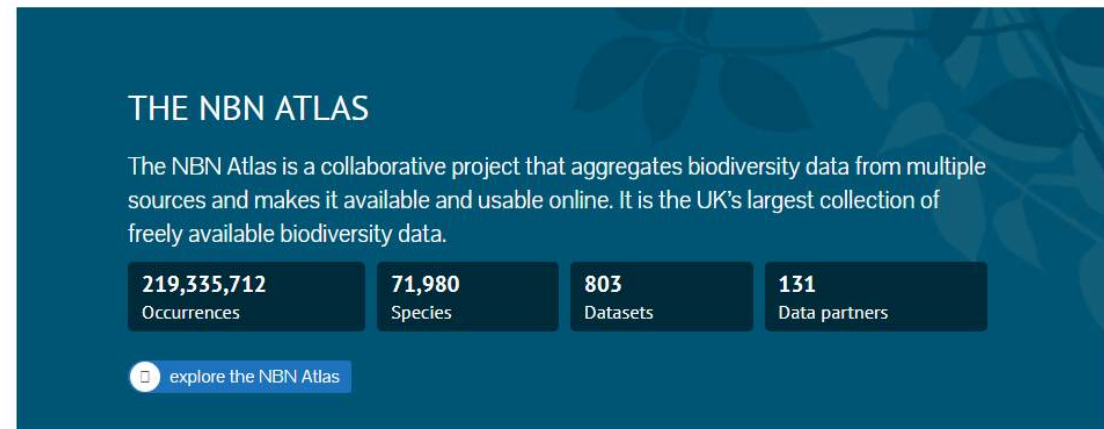
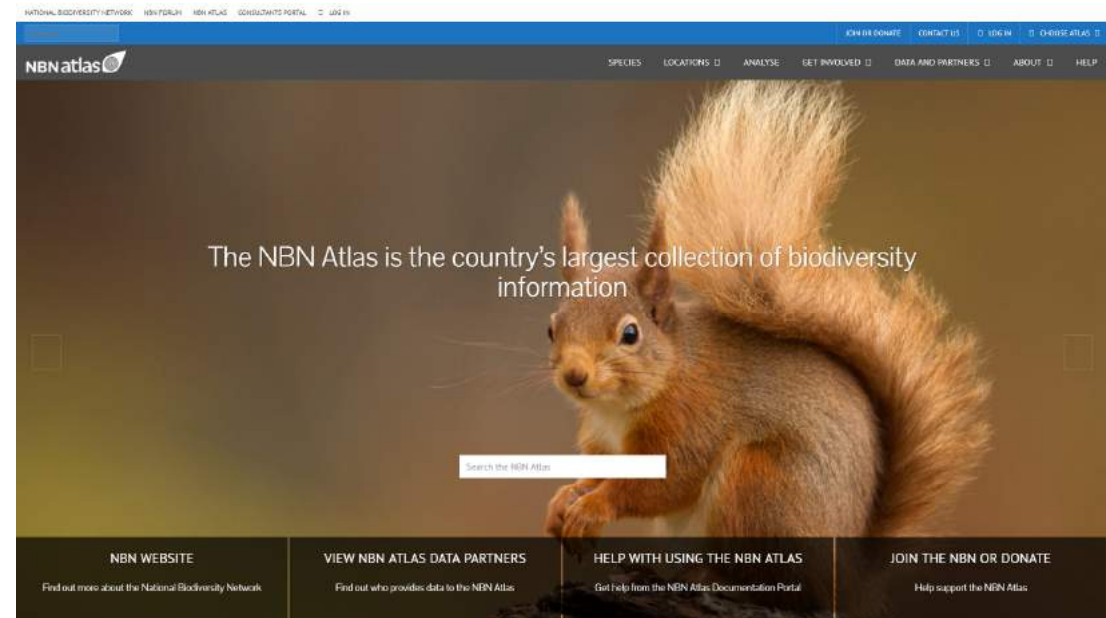
Get help from the NBN Atlas Documentation Portal

JOIN THE NBN OR DONATE

Help support the NBN Atlas

Species Data

- Given freely by data collectors & collators
- Available for use under licence
 - Open
 - Shared





The NBN Atlas allows users to interrogate species records and download distribution maps

NBN WEBSITE

Find out more about the National Biodiversity Network

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Species information

B
E

ation

Haliaeetus albicilla (Linnaeus, 1758)

WHITE-TAILED EAGLE

species Accepted Name authority: UK Species Inventory

Overview Gallery Names Classification Records Literature Sequences Datasets

Occurrence records map (13,491 records)

Occurrence records map (13,491 records)

Biota / Animalia / Chordata / Vertebrata / Aves / Falconiformes / Accipitridae / Haliaeetus / Haliaeetus albicilla

Haliaeetus albicilla (Linnaeus, 1758)

Barcode data: Haliaeetus albicilla

The following is a representative barcode sequence, the centroid of all available sequences for this species.

There are 5 barcode sequences available from BOLD and GenBank.

Below is a sequence of the barcode region Cytochrome oxidase subunit I (COI or COX1) from a member of the species.

See the BOLD taxonomy browser for more complete information about this specimen and other sequences.

DAAABGATTBGCACCTTATGTCTAATCCTTCGGPBCITTBGACTCGCATAGTGCCACCBCCTCACTACTCATTCGBOCBGAICTGBOCACCOMGCCA
...and ...
A

Download FASTA File

Source: http://www.boldsystems.org/index.php/Taxbrowser_Taxonpage?taxid=93207
Provided by: Encyclopedia of Life

Download FASTA file:

Streams: https://www.boldsystems.org/index.php/Taxbrowser_Taxonpage?taxid=93207
Provided by: Encyclopedia of Life

Online Resources

- JSON (data interchange format)
- GBIF
- Encyclopedia of Life
- Biodiversity Heritage Library
- PES
- ARQive

(Sometimes em, pm),
high includes other
bold eagle and occupies

If available sequences for this

and 1(COI or COXI) form a member

but this specimen and other

CBCCTCACTACTCATTCGBOCBGAICTGBOCACCOMGCCA

Receive alerts when new records are added

Datasets

22 datasets have provided data to the for this species:

Browse the list of datasets and find organisations you can join if you are interested in participating in a survey for species like *Haliaeetus albicilla* (Linnaeus, 1758)

Scottish Rural Development Programme

Common name	White-tailed Eagle
Group	Vertebrates
Species type	bird

Provided by: Scottish Rural Development Programme

Scottish Biodiversity List

Main group	Birds and Mammals
Taxon group	bird
Vernacular name	White-tailed Eagle
Conservation action needed	Yes

Does the species/habitat occur in places where it is likely to be affected by development regulated by the Town and Country Planning System?	No
Does the species occur in wet places? Will it be affected by River Basin & Flood Risk Management Plans & Controlled Activity Regulations?	No
Will the species be affected by woodland management or afforestation?	Yes
Forest management detail	Breeding sites

Data © OpenStreetMap, Imagery © CartoDB

View records

Occurrence records

Advanced search
Isid:NHMSYS0000080211 Quick search

Customise filters

3,787 results for SPECIES: Micromys minutus

Download

Select the filter categories that you want to appear in the "Refine results" column

Select: None Update Reset to defaults

Taxon

- ☒ Scientific name
- ☐ Scientific name (unprocessed)
- ☐ Subspecies
- ☐ Species
- ☐ Genus
- ☐ Family
- ☐ Order
- ☐ Class
- ☐ Phylum
- ☐ Kingdom
- ☐ Identified to rank
- ☐ Name match metric
- ☐ Lifeform
- ☐ Common name (processed)
- ☐ Species subgroups
- ☐ Species lists

Attribution

- ☒ Licence
- ☐ Data provider
- ☒ Data resource

Identification

- ☐ Identified by
- ☐ Taxon identification issue
- ☐ Specimen type
- ☐ Original name usage
- ☒ Identification verification status

Location

- ☐ Watsonian Vice Counties - 12 mile
- ☐ Ordnance Survey National Grids - 10km
- ☐ Countries with sea areas
- ☐ Elevation (in metres)
- ☐ Minimum elevation (in metres)
- ☐ Sensitive
- ☐ Coordinate uncertainty (in metres)
- ☐ Spatial validity
- ☐ Location ID

Occurrence

- ☐ Collector
- ☐ Sex
- ☐ Establishment means
- ☒ Month
- ☒ Year
- ☐ Year (by decade)
- ☐ Date precision

Record

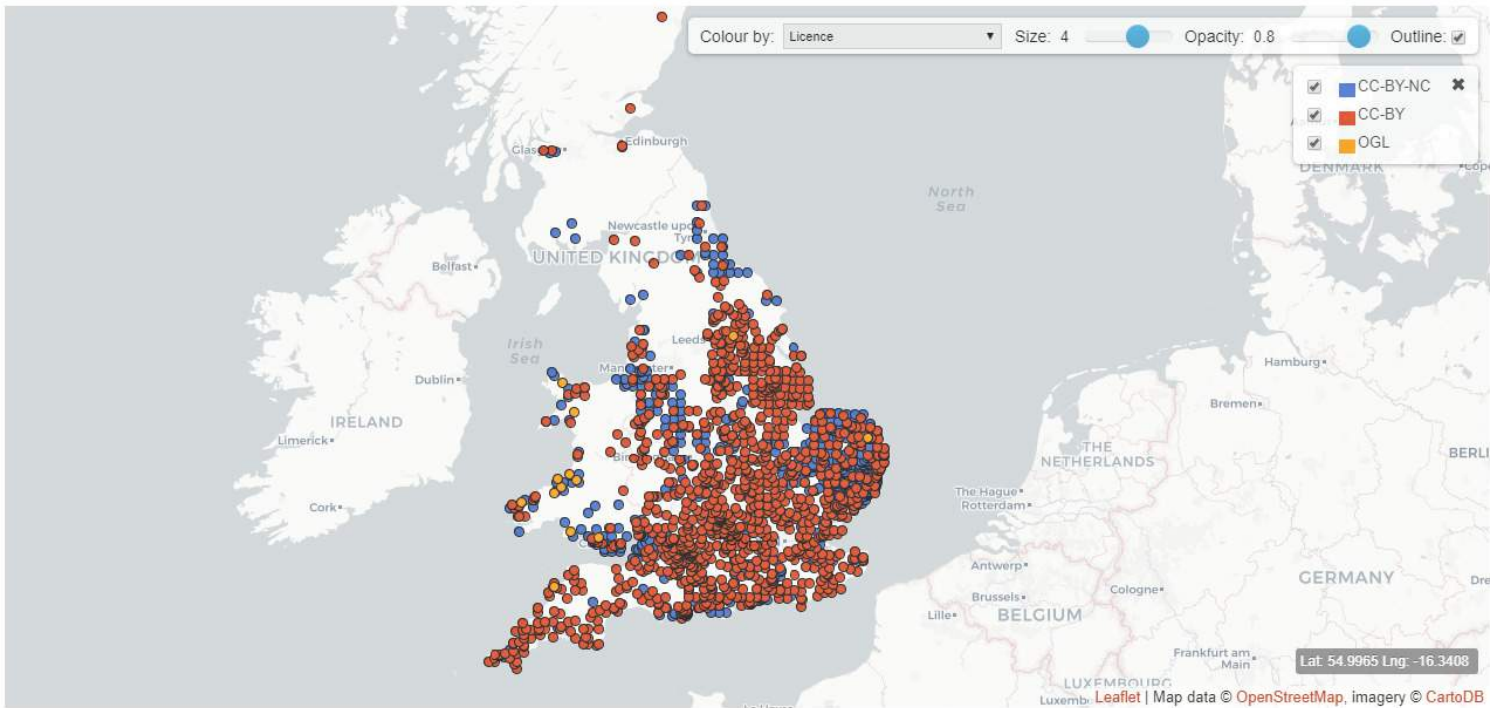
- ☐ Record type
- ☐ Multimedia
- ☐ Occurrence status

Assertions

- ☐ Record issues
- ☐ Has user assertions

Displayed records may not be available for commercial use. Please check the license conditions & non-commercial use guidance here.

Charts Record images



Add to Map Tools Import Export Help

Occurrences in Brandon Heath
 Brandon Heath
 Map options Delete all Show all Hide all

Occurrences in Brandon Heath

Occurrences in Brandon Heath Rename

Occurrence display
 Ordnance Survey Grids Points

Colour by Common name (processed)

Opacity 60%

Size : 3

Filter Clear Filter

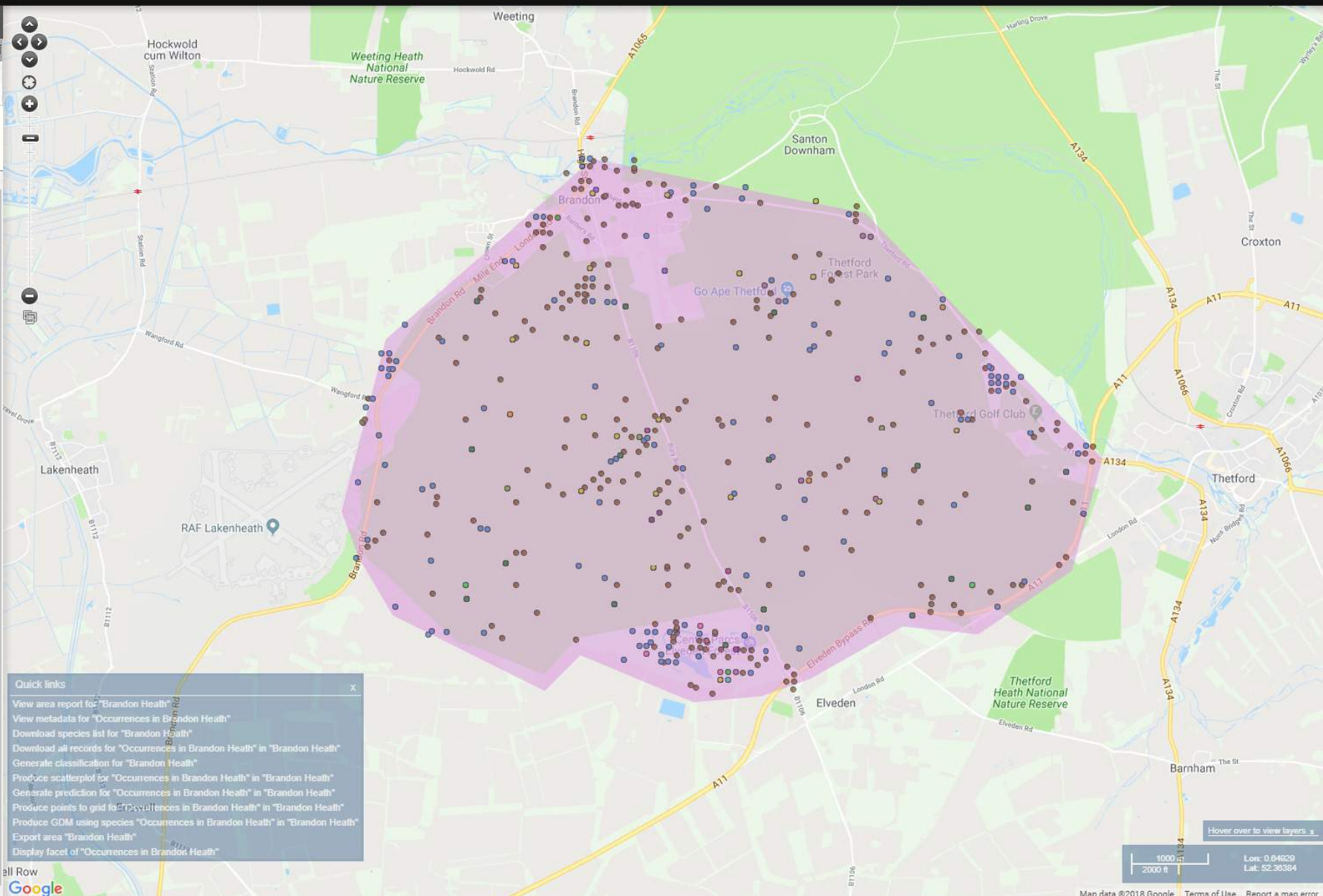
class	coun
<input checked="" type="checkbox"/> Chaffinch	541
<input type="checkbox"/> Blackbird	339
<input type="checkbox"/> Woodpigeon	308
<input type="checkbox"/> Continental Robin	294
<input type="checkbox"/> Blue Tit	276
<input type="checkbox"/> Great Tit	268
<input type="checkbox"/> Greenfinch	234
<input type="checkbox"/> Coal Tit	227
<input type="checkbox"/> Collared Dove	225
<input type="checkbox"/> Siskin	220
<input type="checkbox"/> Dunnock	207
<input type="checkbox"/> Goldfinch	201
<input type="checkbox"/> Starling	168
<input type="checkbox"/> Wren	154
<input type="checkbox"/> Small White	143
<input type="checkbox"/> Great Spotted Woodpecker	134
<input type="checkbox"/> Speckled Wood	129
<input type="checkbox"/> Meadow Brown	128
<input type="checkbox"/> Hobby	114
<input type="checkbox"/>	113

1 / 124 [1 - 20 / 2473]

Select all

☐ Display spatial uncertainty as a circle

Animation



Quick links

- [View area report for "Brandon Heath"](#)
- [View metadata for "Occurrences in Brandon Heath"](#)
- [Download species list for "Brandon Heath"](#)
- [Download all records for "Occurrences in Brandon Heath" in "Brandon Heath"](#)
- [Generate classification for "Brandon Heath"](#)
- [Produce scatterplot for "Occurrences in Brandon Heath" in "Brandon Heath"](#)
- [Generate prediction for "Occurrences in Brandon Heath" in "Brandon Heath"](#)
- [Produce points to grid for "Occurrences in Brandon Heath" in "Brandon Heath"](#)
- [Produce GDM using species "Occurrences in Brandon Heath" in "Brandon Heath"](#)
- [Export area "Brandon Heath"](#)
- [Display facet of "Occurrences in Brandon Heath"](#)

Explore Your Area

Enter your location or address:

Search

E.g. a street address, place name, postcode, GPS coordinates (as lat, long) or Ordnance survey grid reference

Showing records for: **Unnamed Road, Wells-next-the-Sea NR23 1RL, UK**

Display records in a

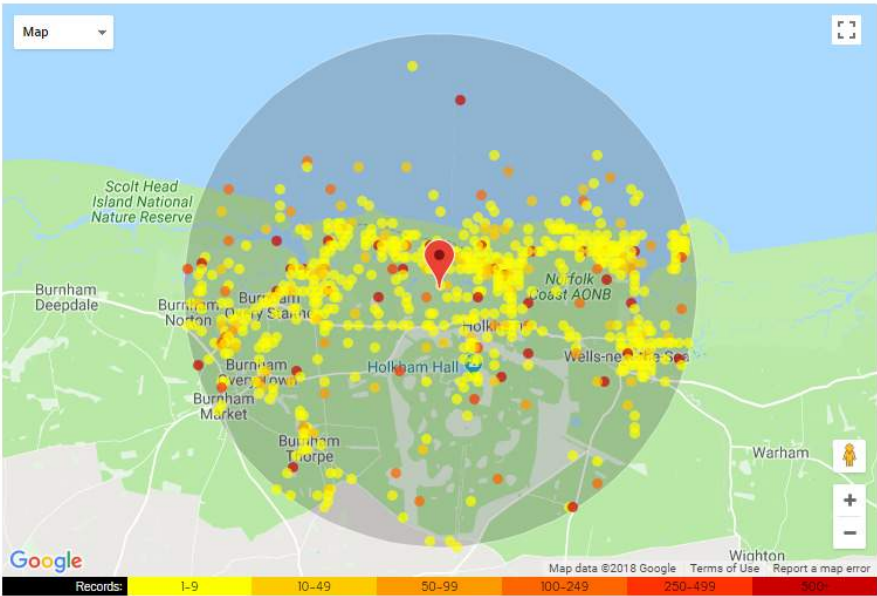
5 ▾

 km radius

View all records

Downloads

Group	Species	Species : Common Name	Records
All Species	3980		
Animals	2704	1. <i>Abra tenuis</i>	4
Mammals	49	2. <i>Abraeus perpusillus</i>	1
Birds	374	3. <i>Abraxas grossulariata</i> : Magpie	177
Reptiles	1	4. <i>Abraxas sylvata</i> : Clouded Magpie	9
Amphibians	4	5. <i>Abrostola tripartita</i> : Spectacle	269
Fish	17	6. <i>Abrostola triplasia</i> : Dark Spectacle	7
Molluscs	120	7. <i>Acanthis cabaret</i> : Lesser Redpoll	194
Arthropods	2078	8. <i>Acanthis flammea subsp. flammea</i> : Mealy Redpoll	11
Crustaceans	40	9. <i>Acanthis flammea</i> : Redpoll	30
Insects	1891	10. <i>Acanthis homemanni subsp. homemanni</i> : Hornemann's Redpoll	3
Plants	364	11. <i>Acasis viretata</i> : Yellow-Barred Brindle	59
Bryophytes	139	12. <i>Accipiter gentilis</i> : Goshawk	6
Gymnosperms	0	13. <i>Accipiter nisus</i> : Sparrowhawk	712
FernsAndAllies	0	14. <i>Acentria ephemerella</i> : Water Veneer	5
Angiosperms	0	15. <i>Acherontia atropos</i> : Death's Head Hawk-Moth	4
Monocots	0	16. <i>Achlya flavicomis</i> : Yellow Horned	5
Dicots	0	17. <i>Acleris forsskaleana</i> : Maple Button	3
Fungi	848	18. <i>Acleris holmiana</i> : White-triangle Button	1
Chromista	12	19. <i>Acleris variegana</i> : Garden Rose Tortrix	21
Protozoa	51	20. <i>Acompsia cinerella</i> : Ash-coloured Sober	1
Bacteria	0	21. <i>Acrobasis advenella</i> : Grey Knot-horn	3
Algae	17	22. <i>Acrobasis consociella</i> : Broad-barred Knot-horn	1
		23. <i>Acrobasis suavella</i> : Thicket Knot-horn	5



Tips: you can fine-tune the location of the area by dragging the red marker icon

Add to Map ▾ Tools ▾ Import ▾ Export ▾ Help ▾

☒ 2 areas: National Vegetation Classification (Scotland) 🔍 🗑

☒ National Vegetation Classification (Scotland) 🔍 🗑

Map options Delete all Show all Hide all

National Vegetation Classification (Scotland)

National Vegetation Classification Rename

Opacity 75%

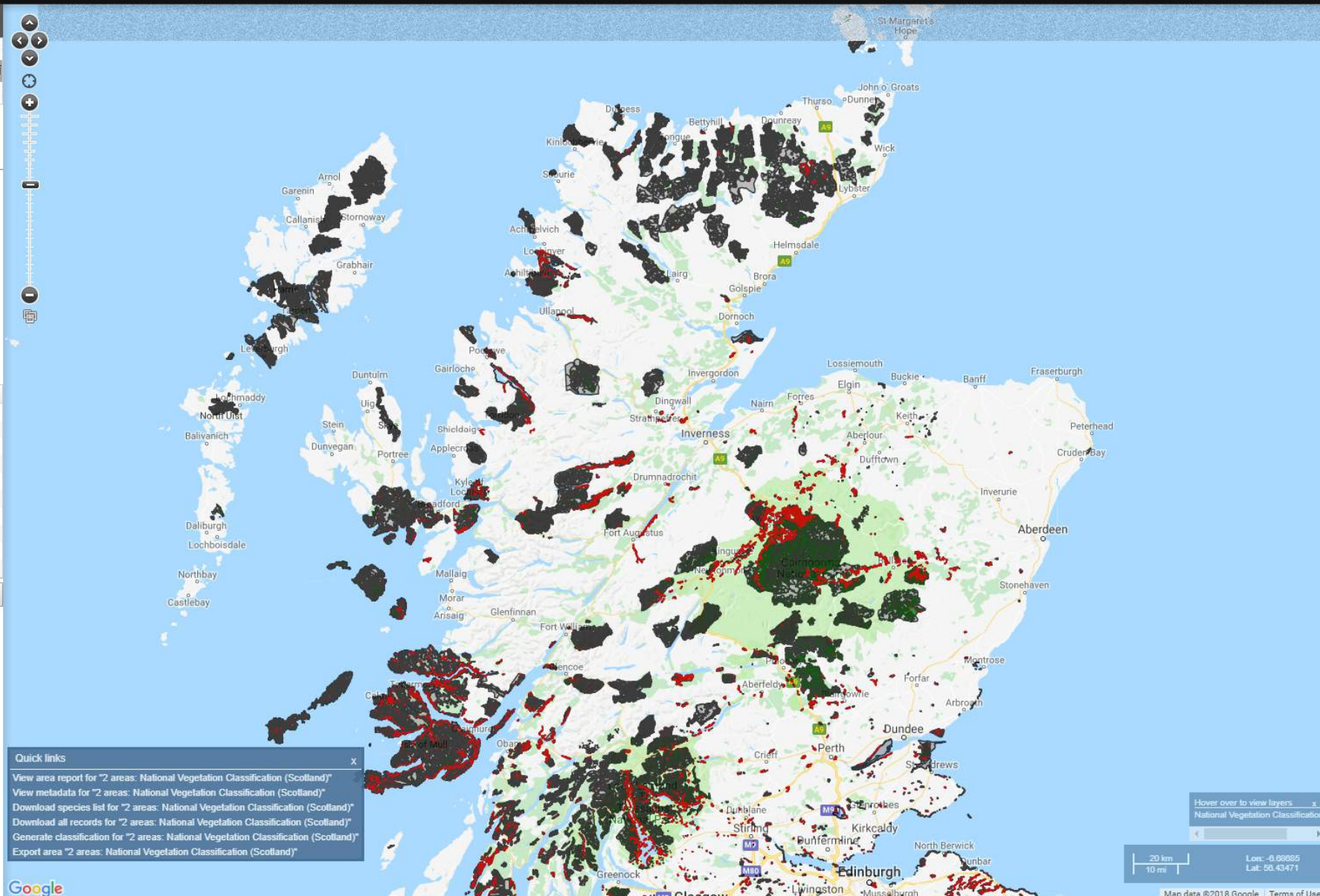
show legend hide legend popup legend

Select a row to highlight on the map

search Filter Clear Filter

name	
<input type="checkbox"/> A, Aquatic Communities	+
<input type="checkbox"/> CG, Calciolous Grassland	+
<input type="checkbox"/> H, Heathland	+
<input type="checkbox"/> M, Mires	+
<input type="checkbox"/> Mosaic	+
<input type="checkbox"/> N/A, Non-standard code	+
<input type="checkbox"/> OV, Open Vegetation	+
<input type="checkbox"/> OW, Open Water	+
<input type="checkbox"/> S, Swamps and tall-herb fens	+
<input checked="" type="checkbox"/> W, Woodlands	+

1 checked Clear checked Create from checked Clear highlight



Quick links

- [View area report for "2 areas: National Vegetation Classification \(Scotland\)"](#)
- [View metadata for "2 areas: National Vegetation Classification \(Scotland\)"](#)
- [Download species list for "2 areas: National Vegetation Classification \(Scotland\)"](#)
- [Download all records for "2 areas: National Vegetation Classification \(Scotland\)"](#)
- [Generate classification for "2 areas: National Vegetation Classification \(Scotland\)"](#)
- [Export area "2 areas: National Vegetation Classification \(Scotland\)"](#)

Local Environmental Records Centre Boundaries of the UK

Local Environmental Records Ce Rename

Opacity 75%

show legend hide legend popup legend

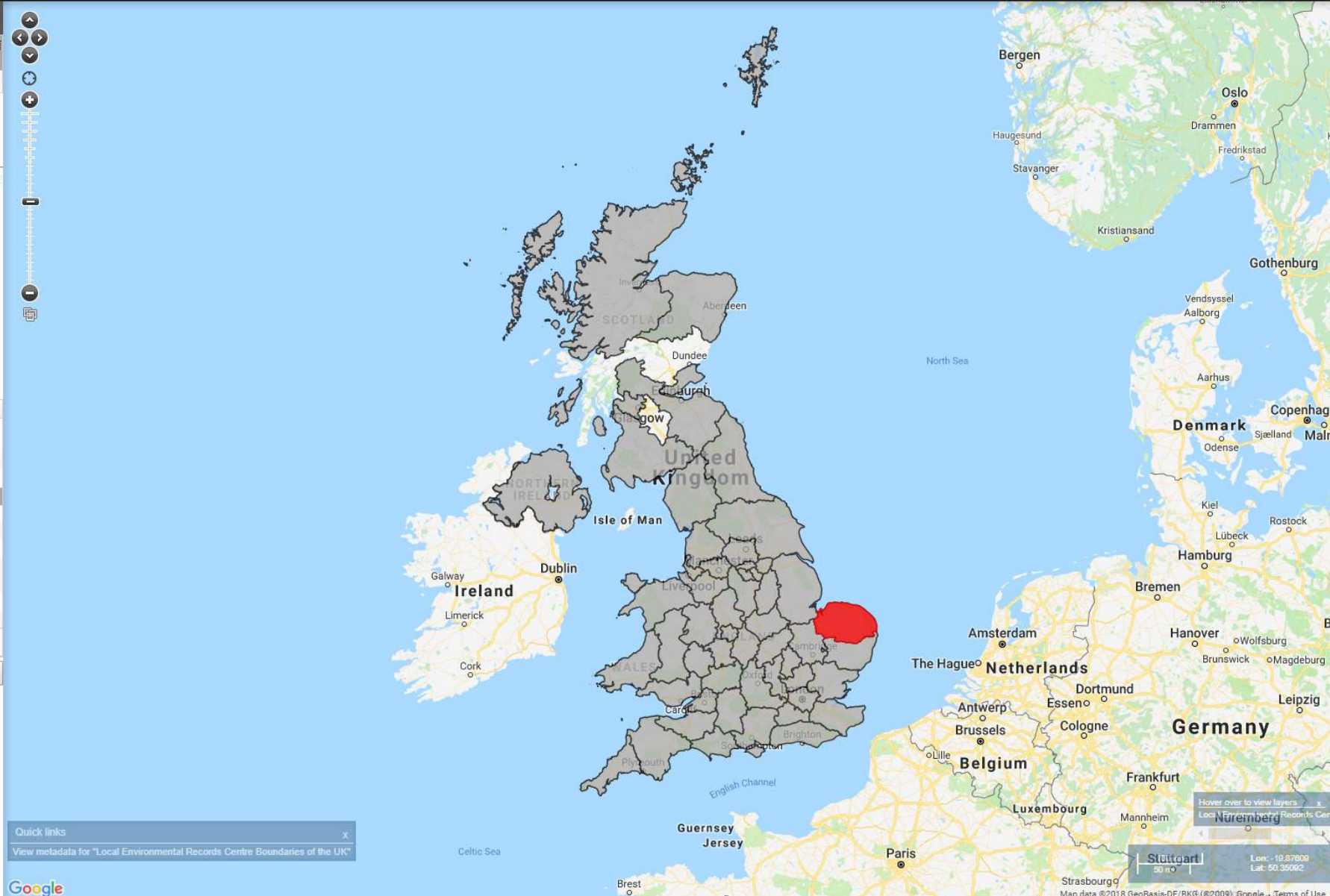
Select a row to highlight on the map

search Filter Clear Filter

name		
<input type="checkbox"/> Leicestershire and Rutland Environmental Records Centre	+	🔍
<input type="checkbox"/> Lincolnshire Environmental Records Centre	+	🔍
<input type="checkbox"/> Merseyside BioBank	+	🔍
<input checked="" type="checkbox"/> Norfolk Biodiversity Information Service	+	🔍
<input type="checkbox"/> North & East Yorkshire Ecological Data Centre	+	🔍
<input type="checkbox"/> North-east Scotland BRC	+	🔍
<input type="checkbox"/> Northamptonshire Biodiversity Records Centre	+	🔍
<input type="checkbox"/> Nottinghamshire Biological and Geological Records Centre	+	🔍
<input type="checkbox"/> Orkney Wildlife Information and Records Centre	+	🔍
<input type="checkbox"/> Outer Hebrides Biological Recording	+	🔍

[31 - 40 / 59]

1 checked Clear checked Create from checked Clear highlight



Quick links
View metadata for "Local Environmental Records Centre Boundaries of the UK"

Welsh INNS portal

This page provides information on the 205 invasive non-native species of interest to Wales

By accessing records via the web service users accept that any CC-BY-NC licenced records must not be used for commercial purposes without the permission of the data provider and all data providers must be acknowledged as required.

Related Searches

Occurrence records (7,387)

SEARCH

Search Reset

REFINE RESULTS

Species list

WCA 1981 Schedule 9 (112)

NRW Sustainable Management of Natural Resources (SMNR) (108)

INNS - Wales Priority Species for Action (49)

EU Invasive Alien Species Regulation (44)

More

Welsh marine risk assessment

Welsh marine risk surveillance: high (11)

Welsh marine risk monitoring: medium (10)

Welsh marine risk monitoring: high (6)

Priority species for Wales

Long-term management (23)

Prevention (15)

Management (11)

Kingdom

Animalia (119)

Plantae (73)

Chromista (6)

Image available

Yes (108)

Lifeforms

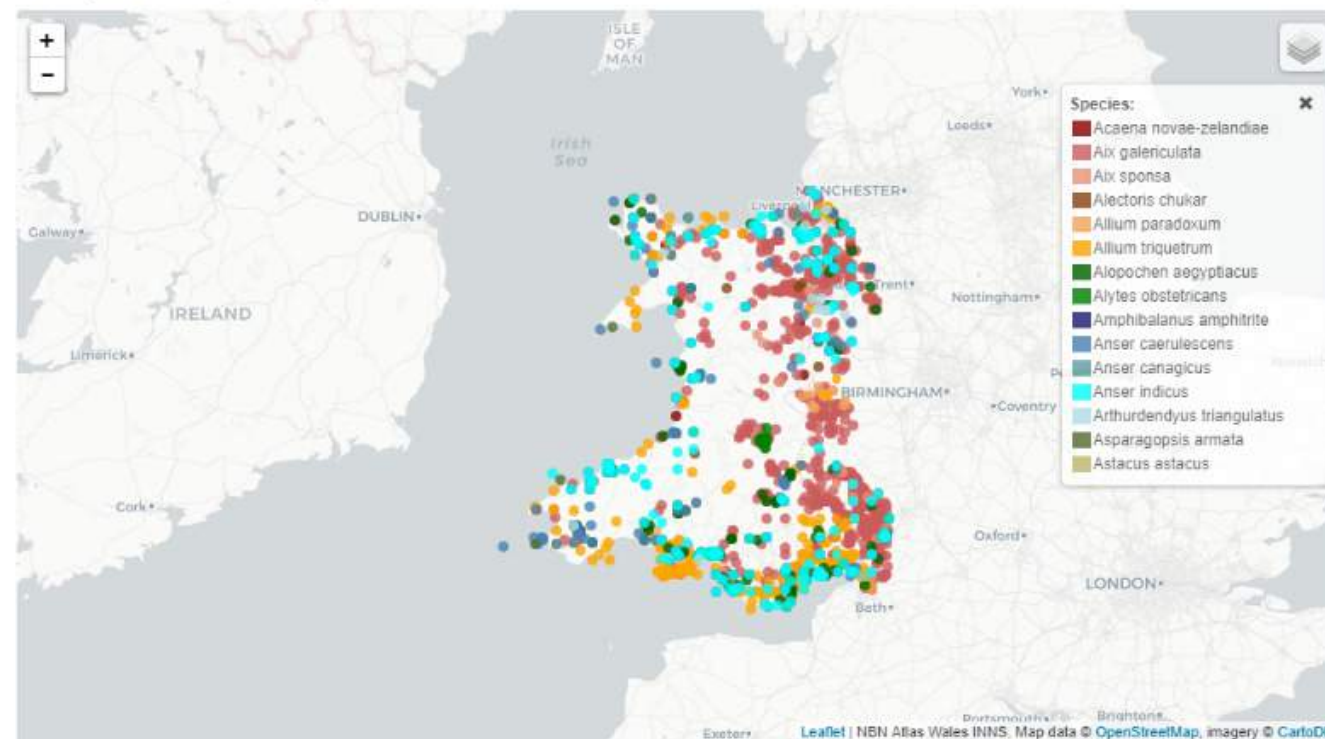
Results

Map

7,339 presence records (7,387 in total) from 15 taxa

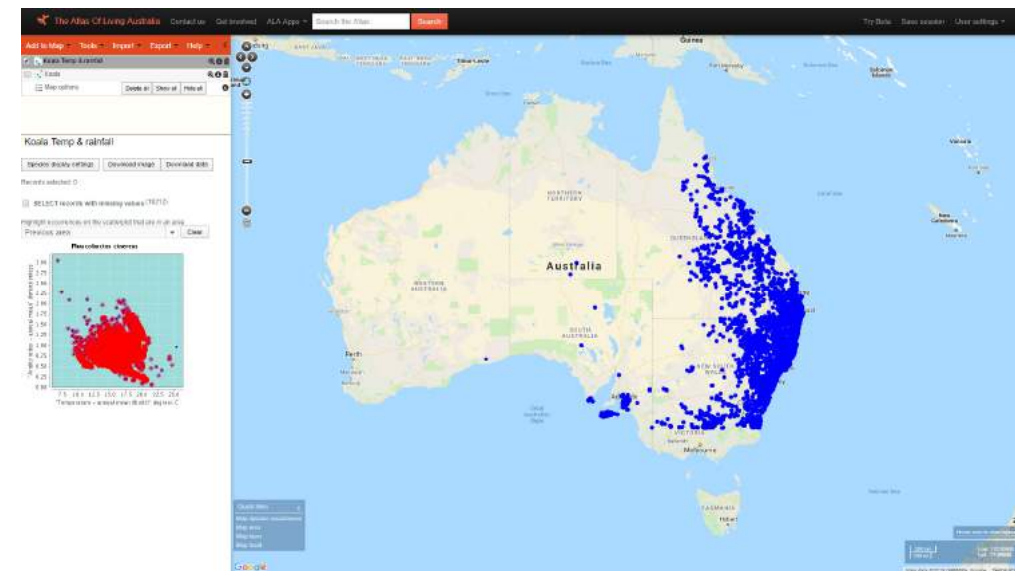
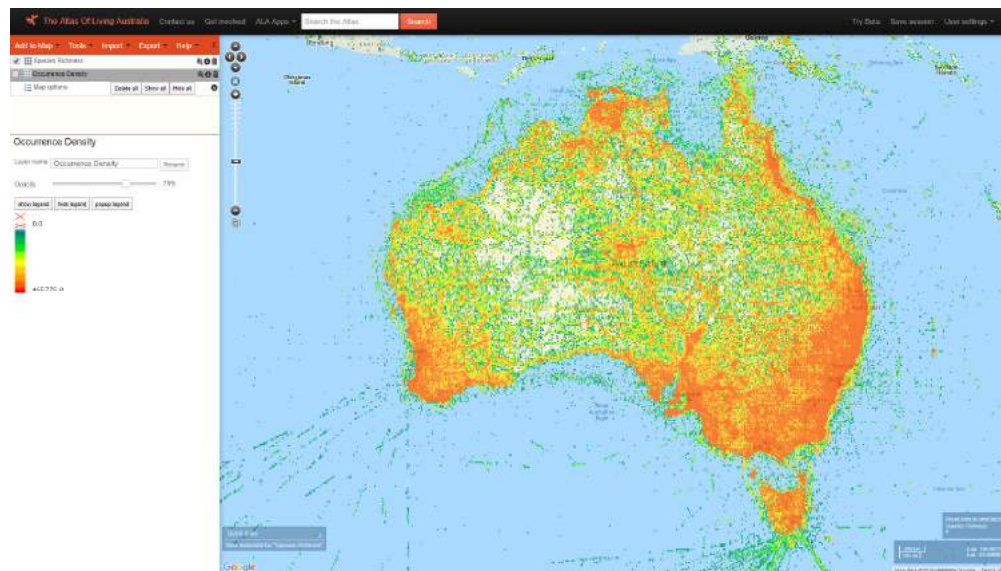
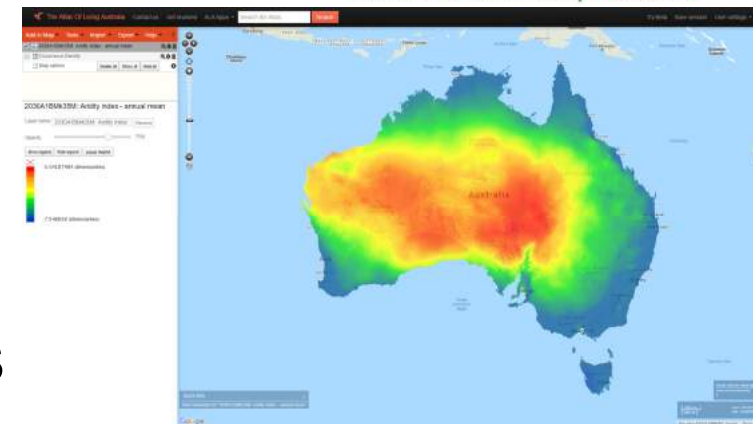
PRESENCE ABSENCE

This map contains both point- and grid-based occurrences at different resolutions



Future development

- Increase spatial & habitat etc. layers
- More information for general public
- Provide national/multi-regional services



Thanks for listening!

Dr Jo Judge, Chief Executive NBN Trust,
j.judge@nbn.org.uk, [@jo_judge](https://www.instagram.com/jo_judge), [@NBNTrust](https://www.instagram.com/NBNTrust), [@NBNAtlas](https://www.instagram.com/NBNAtlas)