



An Roinn Cultúir,
Oidhreacht agus Gaeltachta
Department of Culture,
Heritage and the Gaeltacht

Accessing NPWS Ecological Data

National Appropriate Assessment Forum

Gemma Weir, Ecological Data Manager, NPWS, 16/10/2019

gemma.weir@chg.gov.ie

Outline



1. Policy
2. Discovery
3. Protected Sites Data
4. Habitats and Species Data
5. Data integration issues
6. Data downloads
7. Viewers
8. Collaborations
9. Survey planned

Data policy



Open Data publishing is the default.

We have for many years strived for the free dissemination of NPWS data

The screenshot shows the NPWS website page for 'Data Standards and Guidelines'. The browser address bar is 'npws.ie/maps-and-data/data-standards'. The navigation menu includes 'Home', 'About NPWS', 'Work with the NPWS', 'Contact Us', and 'Accessibility'. A search bar is present with the text 'Google Custom Search'. The main header features the NPWS logo and the text 'National Parks & Wildlife Service'. Below this is a secondary navigation bar with categories: 'National Parks', 'Protected Sites', 'Nature Reserves', 'Publications', 'Licences', 'Maps and Data', and 'Planning'. The breadcrumb trail reads 'Home > Maps and Data > NPWS Data Standards and Guidelines'. A left-hand sidebar contains a list of links: 'Data Usage and Limitations', 'Habitat and Species data', 'Open Data Policy', 'Sensitive Data Access', 'Protected site data', 'Data Standards' (expanded to show 'NPWS Research Project Data Standards Template'), 'FPO Map Viewer - Bryophytes', 'Other relevant data sources', and 'Submit records'. The main content area is titled 'NPWS Data Standards and Guidelines' and contains three featured items: 1. 'Open Data Policy' with a 'DATA.GOV.IE' logo and a 'Click for details' link. 2. 'NPWS Project Data Standards' with a screenshot of a standards document and an 'Updated May 2013' date, with a 'Click for details' link. 3. 'NPWS Data Resource Catalogue' with a flowchart diagram and an 'Updated May 2013' date, with a 'Click for details' link.



Data discovery

DATA.GOV.IE Datasets Publishers Suggest Data Showcases Contact About More EN/GA

Search Datasets...

8935 110

IRELAND'S OPEN DATA PORTAL

Promoting innovation and transparency through the publication of Irish Public Sector data

DATA.GOV.IE Datasets Publishers Suggest Data Showcases Contact

ISDE

Irish Spatial Data Exchange

FIND DATA

Keyword...

Department of Culture, Heritage and the Gaeltacht

Select Inspire Theme...

Select Resource Type...

Date Range: From To

All times are shown as Greenwich Mean Time.

Search Clear

SEARCH RESULTS

DATASET

NATIONAL ECOSYSTEM AND ECOSYSTEM SERVICES MAP - ECOSYSTEM SERVICE STOCK

Data Owner: Department of Arts, Heritage, Regional, Rural and Community Development

INSPIRE Theme: Habitats and Biotopes

Abstract: This dataset contains a raster file showing the coastal and inland ecosystems of Ireland...

Online Resource: Explore

DATA.GOV.IE Datasets Publishers Suggest Data Showcases Contact

Search Datasets : National Parks and Wildlife Service

53 datasets found for "National Parks and Wildlife Service"

THEME: Environment (53)

RESOURCE FORMAT

- HTML (32)
- SHP / ZIP (22)
- CSV (14)
- TIFF (13)
- PDF (9)
- WMS (7)
- SHP (3)
- ZIP (1)

PUBLISHER

- Department of Culture, Heritage and the Gaeltacht (43)
- National Biodiversity Heritage Library (8)
- Marine Institute (2)

Special Protection Areas

Department of Culture, Heritage and the Gaeltacht

The EU Birds Directive (79/409/EEC) requires designation of SPAs for: listed rare and vulnerable species; regularly occurring migratory species, such as ducks, geese and waders; wetlands, especially those of international importance, which attract large numbers of birds.

Special Areas of Conservation

Department of Culture, Heritage and the Gaeltacht

These are prime wildlife conservation areas in the country, considered to be important on a European as well as Irish level. Most Special Areas of Conservation (SACs) are in the countryside although a few sites reach into town or city landscapes, such as the city of Dublin.

Natural Heritage Areas

Department of Culture, Heritage and the Gaeltacht

The basic designation for wildlife is the Natural Heritage Area (NHA). This is an area considered nationally important for the protection of wildlife and natural heritage.

INSPIRE Geoportal

HOME SEARCH BROWSE LAUNCH MAP VIEWER

Text: habitat Search

Results 1-10 of 211 record(s)

Expand All Zoom To Results Zoom To Search Area

Records shown from: ISDE

Select sites where the search will be distributed

Additional Options Clear

WHEN

WHERE

Text:

Map viewer showing Ireland with a red box highlighting a specific area.

Marine sites, habitats and species data collected during the BioMar survey of Ireland.

Special Areas of Conservation

Special Protection Areas

National Otter Survey of Ireland 1980-1981

National Parks & Wildlife Service Coastal Lagoons

The Badger and Habitat Survey of Ireland 1989 - 1995

Achill Island Rock Outcrops

Anisopodidae and Thaumaleidae (Diptera: Nematocera) of Ireland

<http://www.isde.ie>



National Parks & Wildlife Service

- National Parks
- Protected Sites
- Nature Reserves
- Publications
- Licences
- Maps and Data
- Planning

[Home](#) > Maps and Data

- > Data Usage and Limitations
- > Habitat and Species data
- > Open Data Policy
- > Sensitive Data Access
- > Protected site data
- > Data Standards
- > FPO Map Viewer - Bryophytes
- > Other relevant data sources
- > Submit records

Maps and Data

Open Data policy and standards



[Click for details](#)

Habitat and Species datasets



[Click for details](#)

Protected Sites data



[Click for details](#)

National Parks & Reserves Mapping Resources



[Click for details](#)

NPWS Map Viewer



[Access the map viewer](#)

Request data from NPWS



[Click for details](#)

Flora Protection Order Map Viewer - Bryophytes



[Click for details](#)

Other relevant data sources



[Click for details](#)

Places to submit biodiversity data



[Click for details](#)



www.npws.ie
Maps and Data



National Parks & Wildlife Service

- National Parks
- Protected Sites
- Nature Reserves
- Publications
- Licences
- Maps and Data
- Planning

[Home](#) > Maps and Data

- > Data Usage and Limitations
- > Habitat and Species data
- > Open Data Policy
- > Sensitive Data Access
- > Protected site data
- > Data Standards
- > FPO Map Viewer - Bryophytes
- > Other relevant data sources
- > Submit records

Maps and Data

Open Data policy and standards



[Click for details](#)

Habitat and Species datasets



[Click for details](#)

Protected Sites data



[Click for details](#)

National Parks & Reserves Mapping Resources



[Click for details](#)

NPWS Map Viewer



[Access the map viewer](#)

Request data from NPWS



[Click for details](#)

Flora Protection Order Map Viewer - Bryophytes



[Click for details](#)

Other relevant data sources



[Click for details](#)

Places to submit biodiversity data



[Click for details](#)



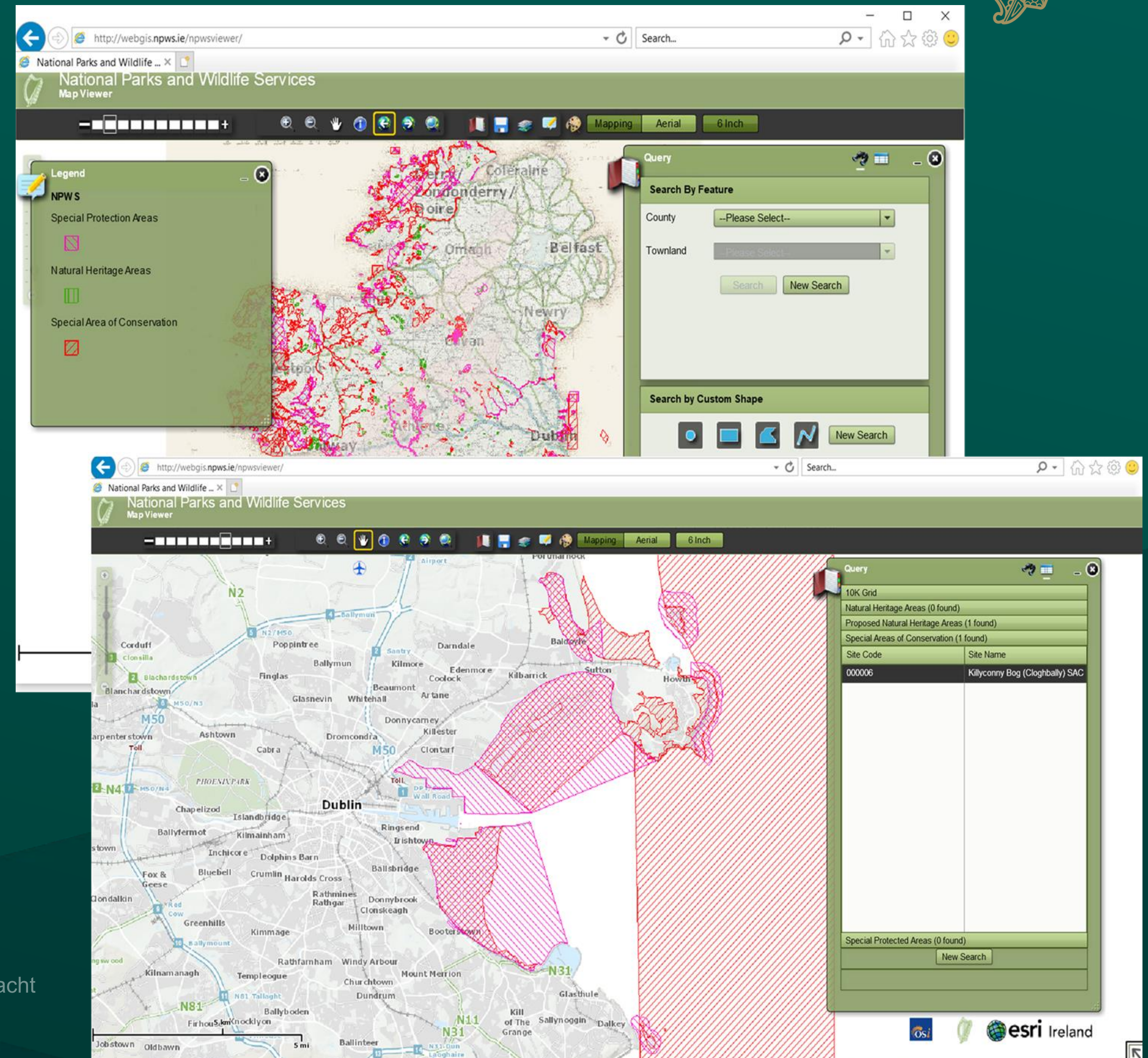
Protected Sites Data & Viewers

Protected Sites

www.npws.ie

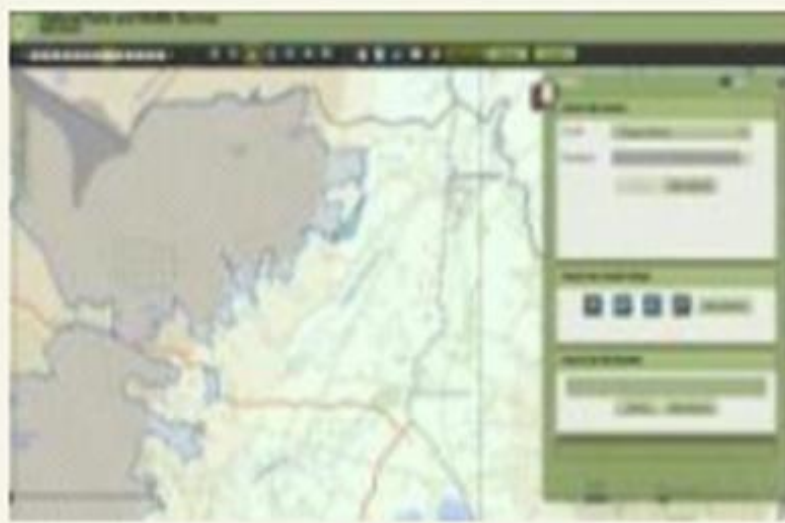


- 431 Special Areas of Conservation (SAC)
- 154 Special Protection Areas (SPA)
- 155 Natural Heritage Areas (NHAs)
- 6 National Parks
- 73 Nature Reserves
- 68 Wildfowl Sanctuaries
- 7 Refuges for Local Fauna
- and nature conservation in the wider countryside.



Designated site data

Download designated sites boundary data

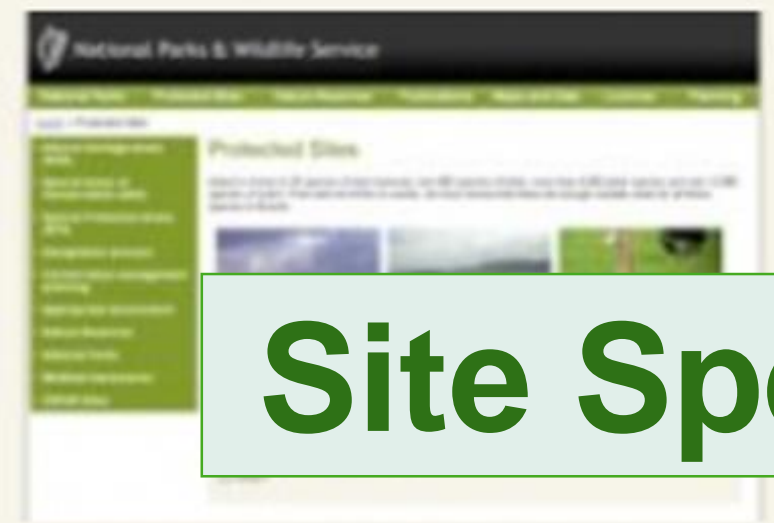


[Download boundary data](#)

Download SAC datasheets



Search for site documents



Site Specific documents

Killyconny Bog (Cloghbally) SAC

Site Details

Site code: 000006
 Designation: Special Area of Conservation (SAC)
 Counties: Cavan, Meath
 Coordinates: Latitude: 53.789, Longitude: -6.96919



Features of Interest

Active raised bogs [7110]
 Degraded raised bogs still capable of natural regeneration [7120]

Site Documents

Download Conservation Objectives
[00000006.pdf](#) (3.01 MB)

NATURA 2000 - STANDARD DATA FORM

For Special Protection Areas (SPA),
 Proposed Sites for Community Importance (pSCI),
 Sites of Community Importance (SCI) and
 for Special Areas of Conservation (SAC)

SITE: IE000006
 SITENAME: Killyconny Bog (Cloghbally) SAC

TABLE OF CONTENTS

- 1. SITE IDENTIFICATION
- 2. SITE LOCATION
- 3. ECOLOGICAL INFORMATION
- 4. SITE DESCRIPTION
- 5. SITE MANAGEMENT

ISSN 2009-4086

National Parks and Wildlife Service

[Back to top](#)

Series

1.5 Update date
 2017-09

National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Ireland

2002-01

No data

No data

No data

[Back to top](#)

Killyconny Bog (Cloghbally) SAC 000006

An Roinn
 Ealaíon, Oidhreacht agus Gaeltachta
 Department of
 Arts, Heritage and the Gaeltacht

02 Nov 2013 Version 1 Page 1 of 9

Related Publications

Title: [Raised Bog Monitoring Project](#)
 Year: 2012
 Author: Fernandez, F., Crowley, W., Wilson, J.
 Series: Irish Wildlife Manual

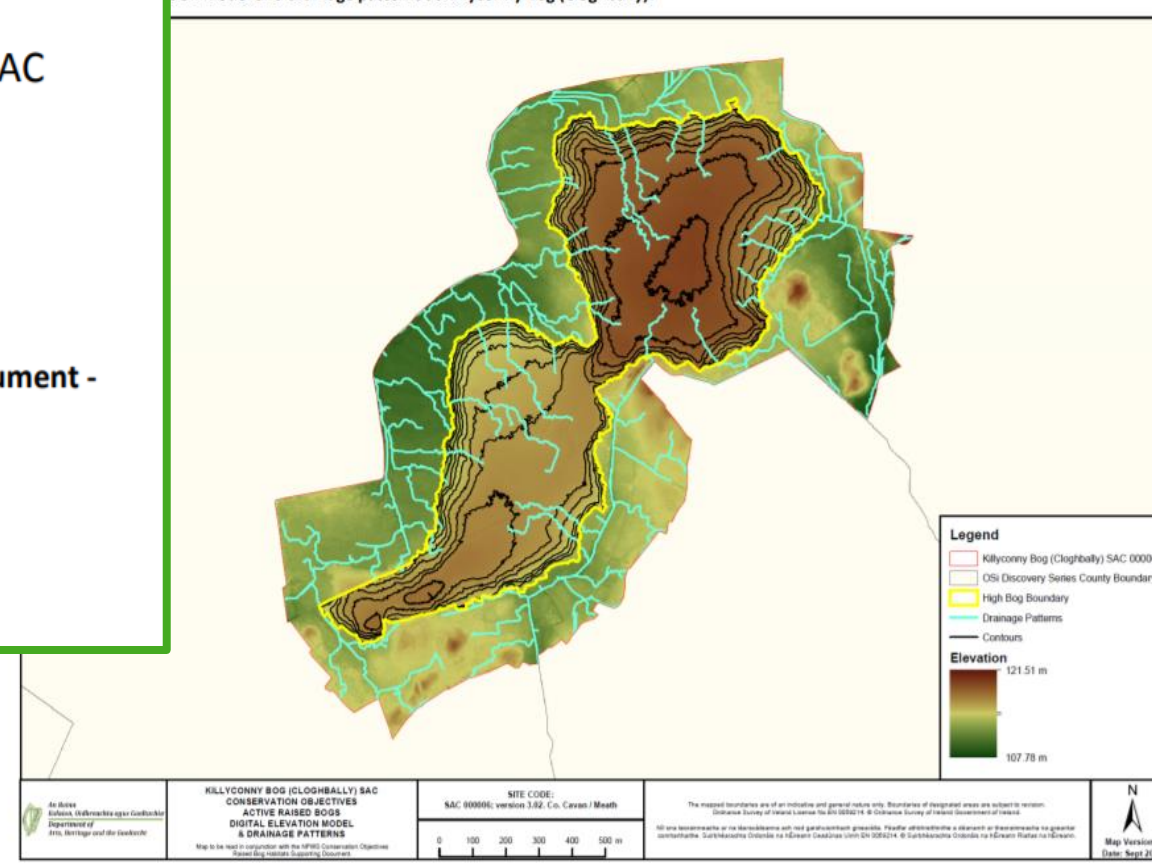
National Parks & Wildlife Service

Killyconny Bog (Cloghbally) SAC (site code 000006)

Conservation objectives supporting document - raised bog habitats


Version 1

Topographic map and drainage patterns at Killyconny Bog (Cloghbally).



	A	B	C
1	Special Areas of Conservation (SAC) datasheets		
2			
3	The following spreadsheet worksheets list data from the NATURA 2000 Database for Ireland (January 2018 Submission)		
4	For more information refer to the 'NATURA 2000 STANDARD DATA FORM Explanatory Notes'		
14			note that the first three characters are removed (IE0) in national references to the site.
15	SITE NAME		EU Sitename for the Site. Please note that the designation type (e.g SAC) is appended in national references to the site.
16	DATE		Compilation date for the information recorded, in the form of the year (four digits) followed by the month in numeric form (two digits).
17	AREA		The surface area of a site in hectares.
18	AREA UPDATE DATE		Date on which the site area information was last updated.
19	Habitats spreadsheet		
20	SITE CODE		EU Sitecode for the Site. Please note that the first three characters are removed (IE0) in national references to the site.
21	SITE NAME		EU Sitename for the Site. Please note that the designation type (e.g SAC) is appended in national references to the site.
22	HAB CODE		Code of the habitat types of Annex I of directive 92/43/EEC, and used in the NATURA 2000 database system.
23	HABITAT NAME		Description of the habitat types. Please refer to the 'The Interpretation Manual of European Union Habitats - EUR28' for further information (http://ec.europa.eu/environment/nature/legislation/habitatsdirective/docs/Int_Manual_EU28.pdf).
24	REPRESENTATIVITY		Degree of representativity of the natural habitat type on the site. A: excellent representativity; B: good representativity; C: significant representativity.
25	RELATIVE SURFACE		Area of the site covered by the natural habitat type in relation to the total area covered by that natural habitat type within the national territory, expressed as a percentage. A: 100-15%; B: 15-2%; C: 2-0%.
26	CONSERVATION		Degree of conservation of the structure and functions of the natural habitat type concerned and restoration possibilities. A: excellent conservation; B: good conservation; C: average or reduced conservation.
27	GLOBAL		Global assessment of the value of the site for conservation of the natural habitat type concerned. A: excellent value; B: good value; C: significant value.
28	DATE		Date on which this worksheet was last updated.

Public map viewers on DCHG web mapping portal



An Roinn
Cultúir, Oidhreachta agus Gaeltachta

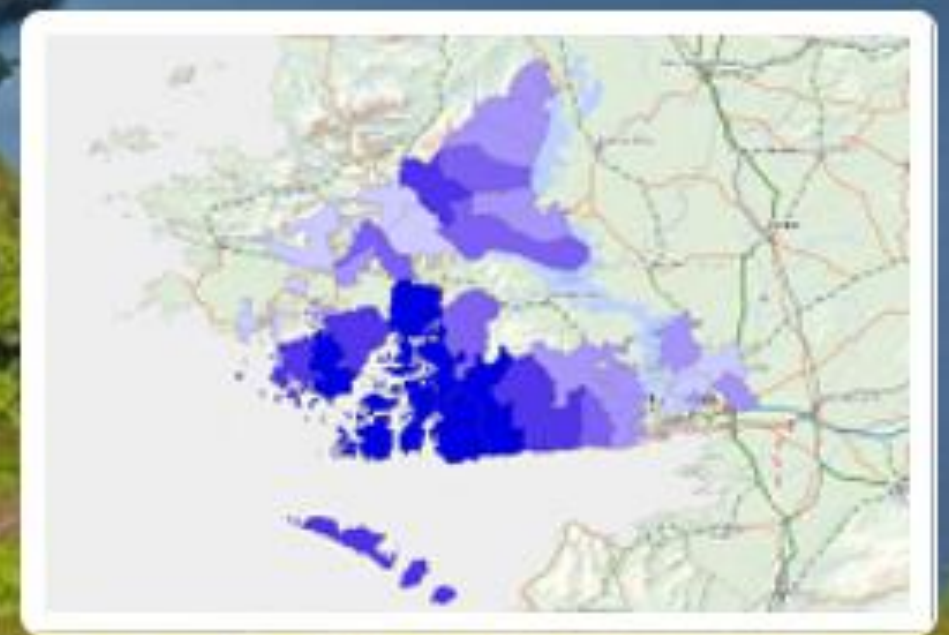
Department of
Culture, Heritage and the Gaeltacht



National Parks & Wildlife Service Data



National Parks & Nature Reserves



Gaeltacht



Archaeology & Built Heritage Data



National Parks & Nature Reserves

Search maps

Sort by Date Title Type Ratings Avg. Rating Comments Views

- Ballycroy National Park Story Map
- Glenveagh National Park Story Map
- Wicklow Mountains National Park Story Map
- Ireland's National Parks
- National Parks and Nature Reserves
- Raven Nature Reserve
- Ellen Hutchins Story Map

Ballycroy National Park Story Map

Ballycroy National Park Website

Text and images on this website by National Parks and Wildlife Service are licensed under a Creative Commons Attribution 4.0 International License.

Ballycroy National Park

Ballycroy National Park was established in November 1983, located on the Western seaboard in northwest Mayo. It covers 11,000 hectares of Atlantic blanket bog and mountainous terrain covering a vast uninhabited and unspoilt wilderness dominated by the Nephin Beg mountain range.

- Ballycroy National Park Visitor Centre
- Pond at Visitor Centre
- Gingerbread

Wicklow Mountains National Park Story Map

Wicklow Mountains National Park Website

Text and images on this website by National Parks and Wildlife Service are licensed under a Creative Commons Attribution 4.0 International License.

Wicklow Mountains National Park

Wicklow Mountains National Park extends over 20,000 hectares of upland mountain scenery on the doorstep of Dublin. The National Park welcomes visitors all year round. Visitors are reminded not to leave valuables in parked cars.

- Avonmore Picnic Site
- Glendalough Village
- Glendalough Upper Lake
- Old Hero Mines
- Wicklow Gap Boardwalk
- Glenmacnass Waterfall

Examples of National Parks & Nature Reserves Interactive Viewers – Ballycroy and Wicklow Mountains – Story Maps



National Parks & Wildlife Service

- National Parks
- Protected Sites
- Nature Reserves
- Publications
- Licences
- Maps and Data
- Planning

[Home](#) > Maps and Data

- > Data Usage and Limitations
- > Habitat and Species data
- > Open Data Policy
- > Sensitive Data Access
- > Protected site data
- > Data Standards
- > FPO Map Viewer - Bryophytes
- > Other relevant data sources
- > Submit records

Maps and Data

Open Data policy and standards



[Click for details](#)

Habitat and Species datasets



[Click for details](#)

Protected Sites data



[Click for details](#)

National Parks & Reserves Mapping Resources



[Click for details](#)

NPWS Map Viewer



[Access the map viewer](#)

Request data from NPWS



[Click for details](#)

Flora Protection Order Map Viewer - Bryophytes



[Click for details](#)

Other relevant data sources



[Click for details](#)

Places to submit biodiversity data



[Click for details](#)



Habitats & Species Data & Viewers



Habitats & Species Data

Location for publication of Monitoring, Reporting, Management, Sensitivity Mapping & Data downloads

Publications in dedicated section of website (but relevant reports usually included in download file from this location also)

The screenshot shows the NPWS website page for 'Habitats and Species data'. The page features a navigation menu on the left with categories like 'Data Usage and Limitations', 'Habitat and Species data', 'Open Data Policy', 'Sensitive Data Access', 'Protected site data', 'Data Standards', 'FPO Map Viewer - Bryophytes', 'Other relevant data sources', and 'Submit records'. The main content area is titled 'Habitats and Species data' and includes a sub-header: 'Below are some of the NPWS national datasets for download. Please also refer to the [Publications section](#) for associated reports.' The page displays a grid of 15 data download cards, each with a title, a representative image, an update date, and a download link with file size. The cards include: 'Habitats Directive - Article 17 2012 GIS and Metadata' (8.80 MB), 'Birds Directive - Article 12 2012 GIS and Metadata' (1.09 MB), 'Site-specific Conservation Objectives' (269.60 MB), 'Saltmarsh Monitoring Project 2006-2008' (8.80 MB), 'Inventory of Coastal Lagoons' (1.09 MB), 'National Seacliff Survey 2009-2011' (2.47 MB), 'National Survey of Native Woodlands 2003-2008' (3.96 MB), 'Ancient and Long-Established Woodland' (2.71 MB), 'Coastal Monitoring Project 2004-2006' (5.25 MB), 'National Juniper Survey 2009-2012' (7.78 MB), 'Commonage areas dataset' (14.68 MB), 'Margaritifera sensitive areas map' (2.22 MB), 'Irish Semi-natural Grassland Survey', 'Limestone Pavement Survey', and 'Hen Harrier Data'.

Habitats & Species Data



Irish Semi-natural Grassland Survey

- What's inside?

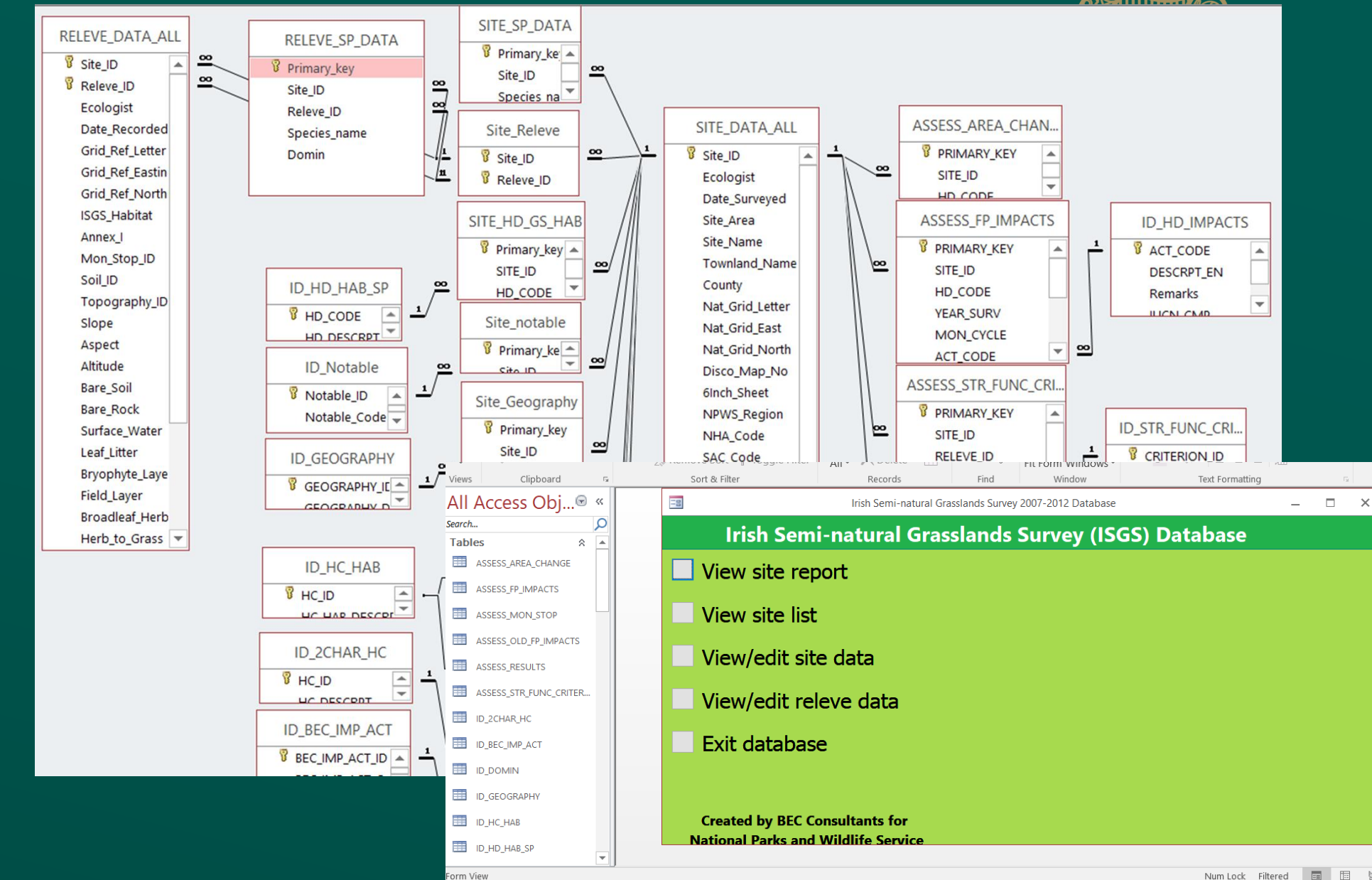
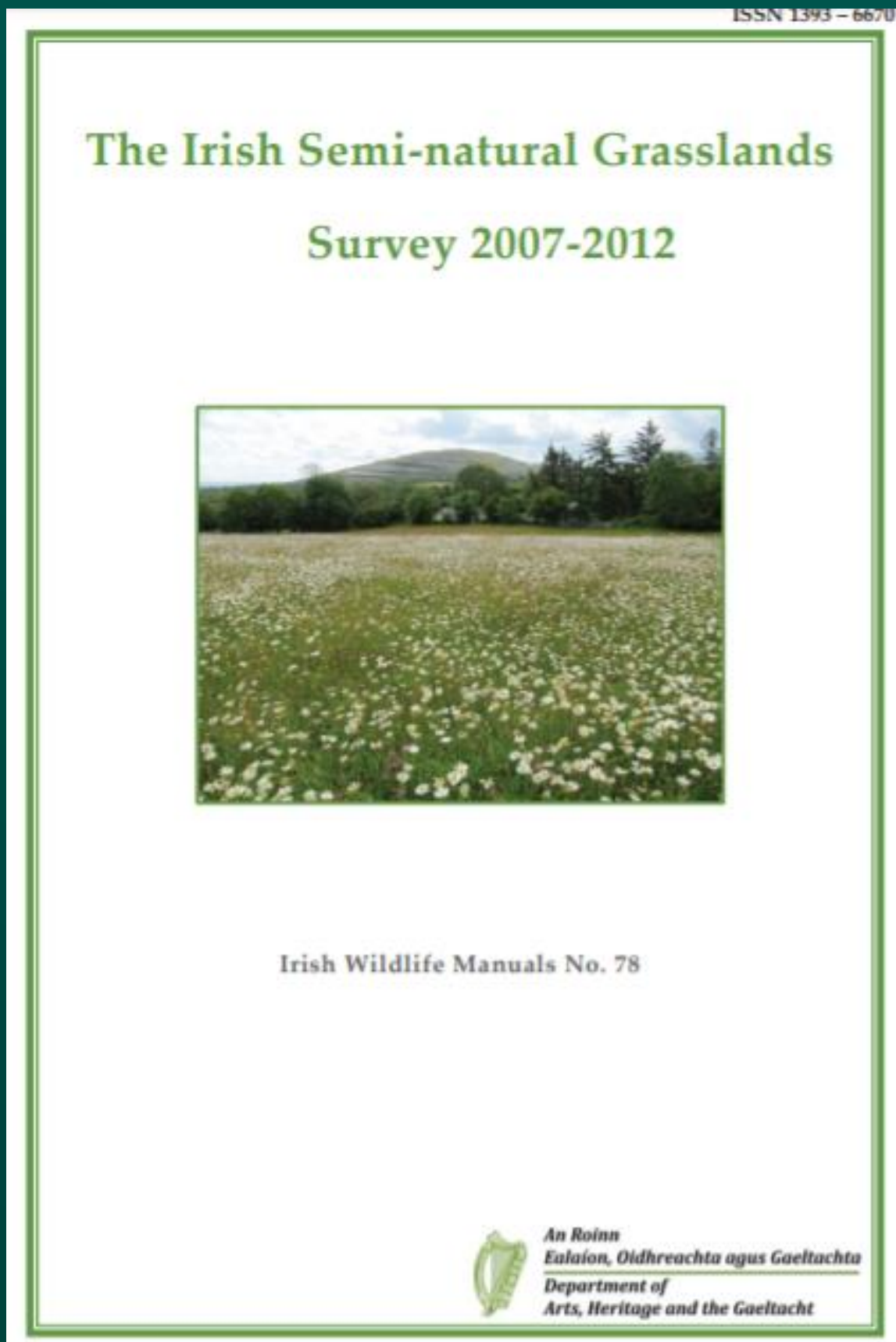
The screenshot displays a grid of data items. The highlighted item is:

- Irish Semi-natural Grassland Survey**
Irish Semi-natural Grassland Survey
[Download](#) (35.92 MB)

Other visible items include:

- Sand Dune Monitoring Project 2011**
- National Ecosystem and Ecosystem Services Pilot**
- Lesser Horsesho**
- Irish Semi-natural Grassland Survey** (top row, left): Uploaded August 2012, [Download](#) (7.78 MB)
- Limestone Pavement Survey** (top row, middle): Updated February 2013, [Download](#) (14.69 MB)
- Hen Harrier Data** (top row, right): Updated August 2013, [Download](#) (2.22 MB)
- Limestone Pavement Survey** (middle row, middle): [Download](#) (7.31 MB)
- Hen Harrier Habitat resources** (middle row, right): [Click for details...](#)

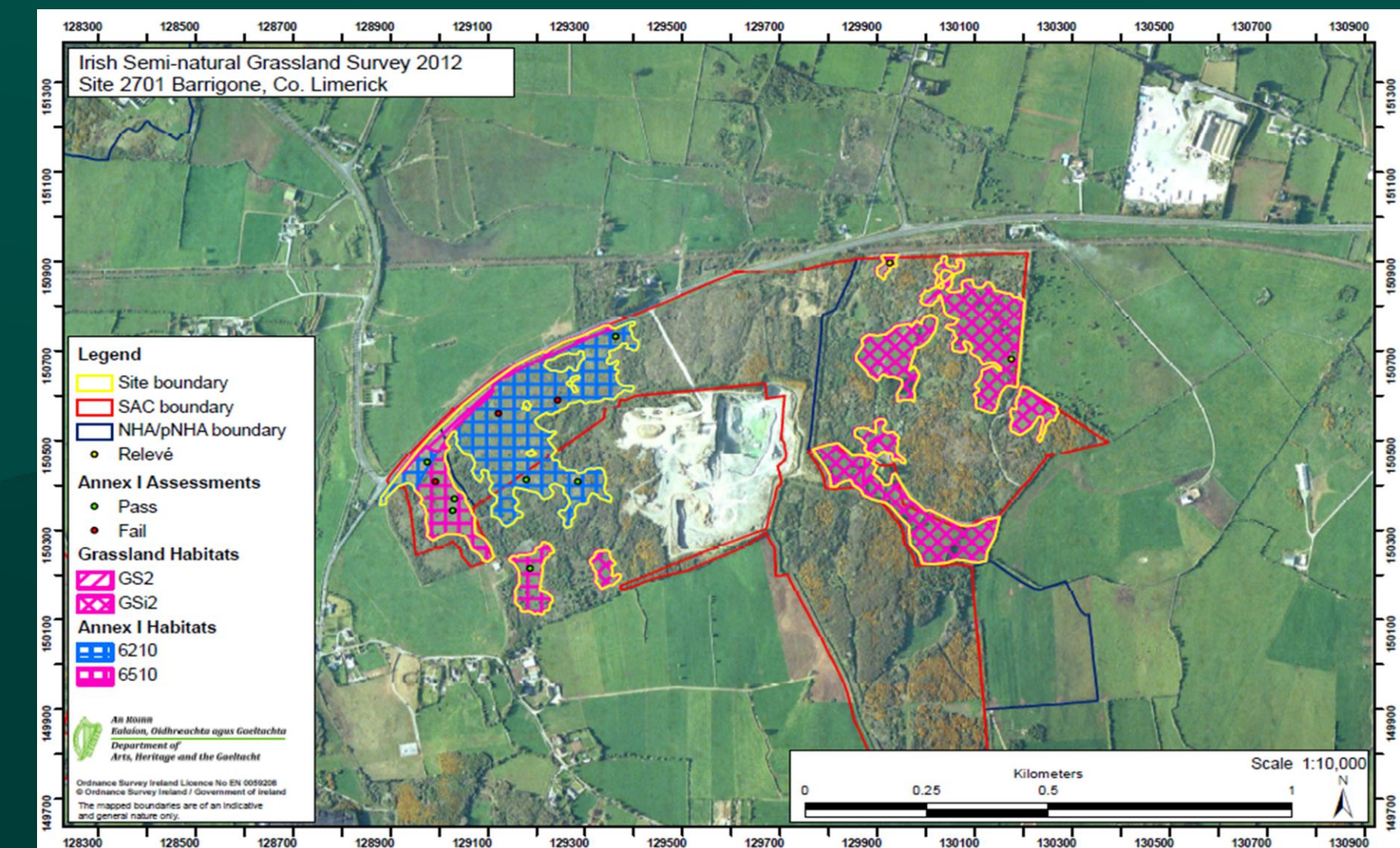
ISGS Download package: Database, GIS, Report & Metadata



0202_ISGS13_grassland_20150225 (1).zip - WinRAR

Name	Size	Packed	Type	Modified
Folder				
ISGS13_GIS_datasets_for_website_upload.zip	7,635,930	7,635,930	WinRAR ZIP archive	05/02/201
ISGS13_Database_01a.mdb	57,278,464	18,762,154	Microsoft Access ...	15/11/201
ISGS13_ResourceCatalogueForm_2014-01-13_...	1,018,291	980,651	Adobe Acrobat Do...	04/02/201
IWM 78 Irish semi-natural grassland survey.p...	10,584,364	10,289,252	Adobe Acrobat Do...	14/01/201

Total 76,517,049 bytes in 4 files



128300 128500 128700 128900 129100 129300 129500 129700 129900 130100 130300 130500 130700 130900

Irish Semi-natural Grassland Survey 2012
Site 2701 Barrigone, Co. Limerick



ISGS mapping

- Habitat extent mapping (HD & Fossitt)
- Relevés & Condition Assessment

Indicators

- Positive indicator species
- Negative indicators species
- Sward height
- Grass:forb ratio

Legend

- Site boundary
- SAC boundary
- NHA/pNHA boundary
- Relevé

Annex I Assessments

- Pass
- Fail

Grassland Habitats

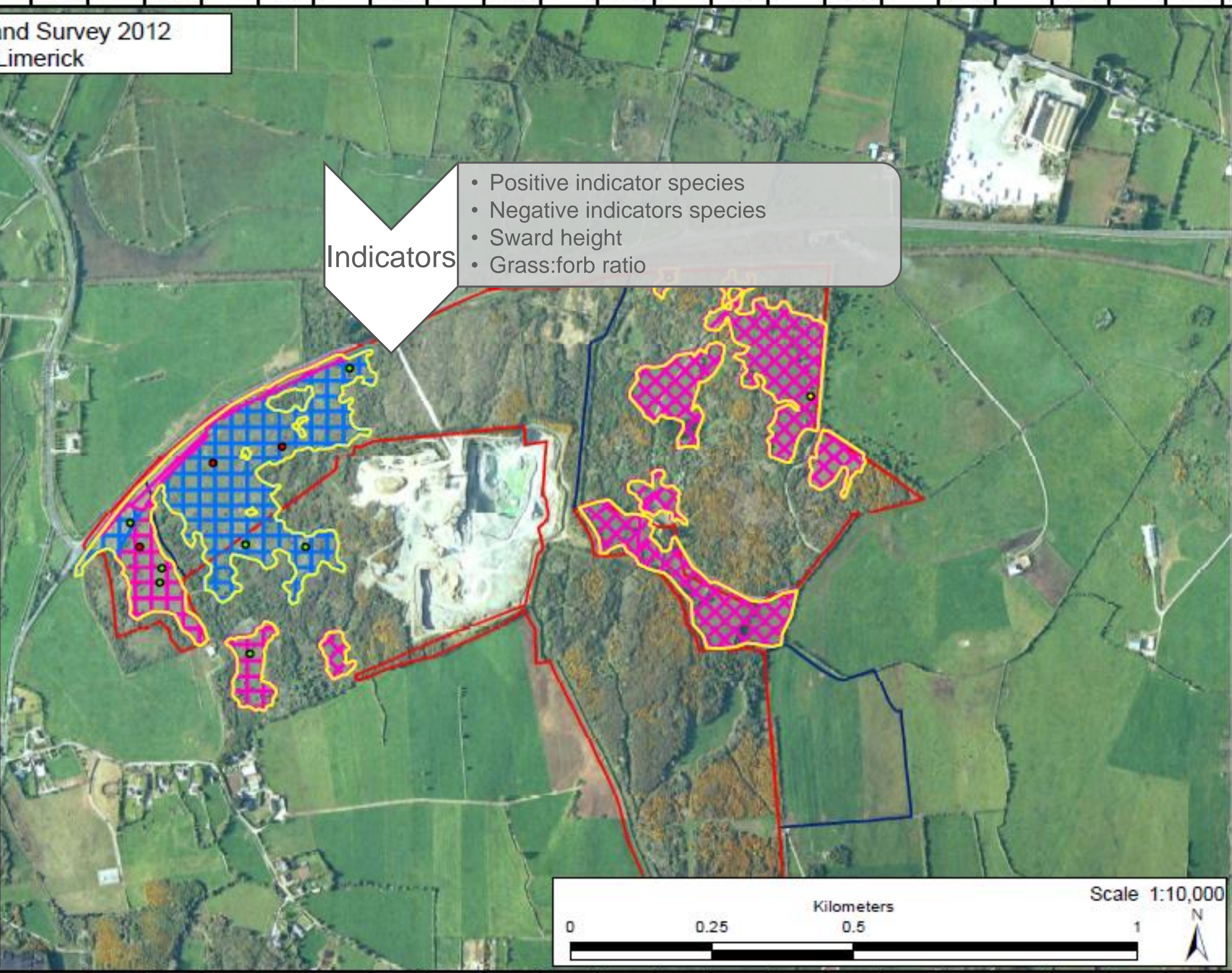
- GS2
- GSi2

Annex I Habitats

- 6210
- 6510

*All MÓRIR
Ealaíon, Oidhreacht agus Goeltacht
Department of
Arts, Heritage and the Gaeltacht*

Ordnance Survey Ireland Licence No EN 0050208
© Ordnance Survey Ireland / Government of Ireland
The mapped boundaries are of an indicative
and general nature only.



128300 128500 128700 128900 129100 129300 129500 129700 129900 130100 130300 130500 130700 130900

Data Request process

Latest Irish Wildlife Manual (IWM) Publications..data to follow soon(ish)



Saltmarsh Monitoring 2017 - 2018 IWM108

Monitoring of Three Annex II Species of Whorl Snail (Vertigo) IWM104

Irish Wetland Bird Survey 2009/10 – 2015/16 IWM 106

National Parks & Wildlife Service – Scientific Unit
Information/Data Request form for scientific data



Project Name/Ref. No.:

I confirm that the requested data is not available on either the NPWS (www.npws.ie) or the National Biodiversity Data Centre (www.biodiversityireland.ie) websites

Name:

Organisation:

Address:

Eircode:

Telephone:

E-mail:

Scientific data requested

All rare/protected species records	Commonage areas
Rare protected plant data only	Habitat maps – Heritage Council Classification
Please include data considered sensitive	Habitat maps – Habitats Directive Classification
Other (please give details)	

Please note, data will be supplied in the following formats: Species records - MS Excel format; GIS shapefiles - ESRI compatible format (Site boundaries, commonage areas, some habitat areas).

Publications requested (please provide, author, year and title where possible)

Draft Management Plans requested (please provide sitecode & sitename)

--

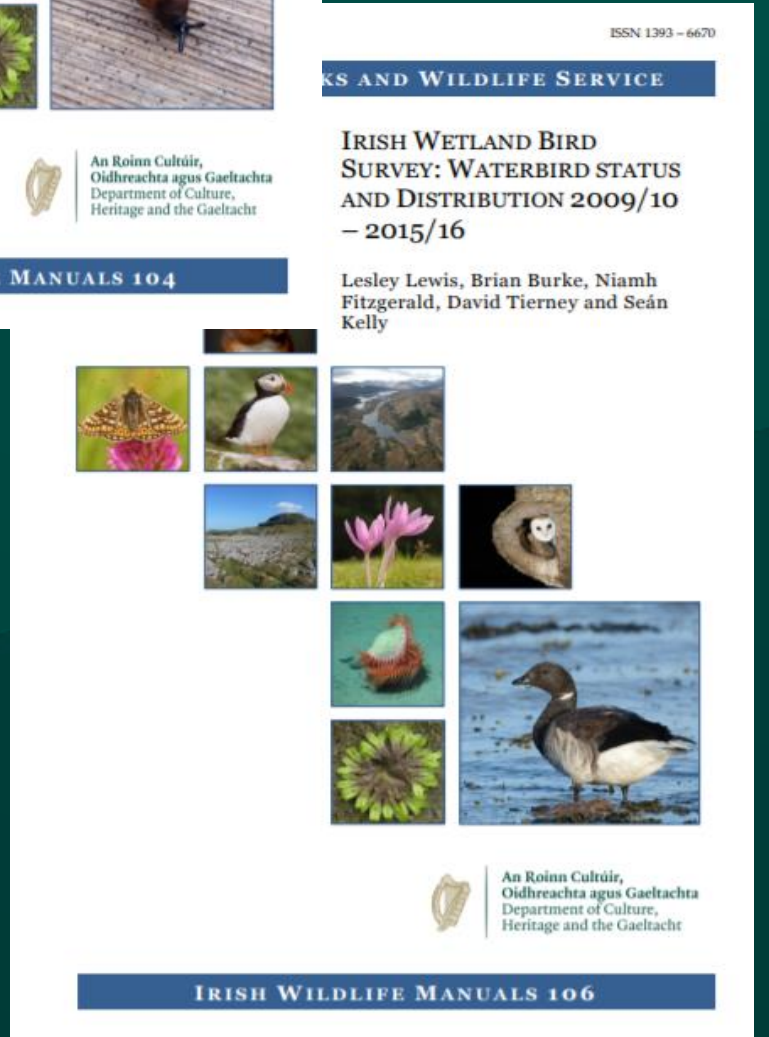
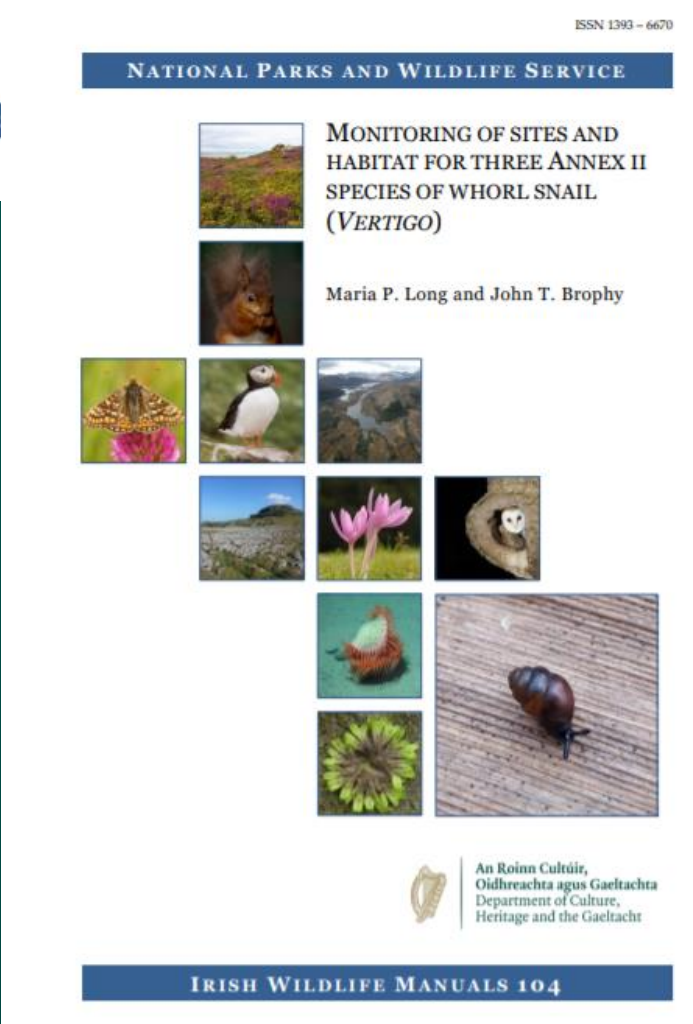
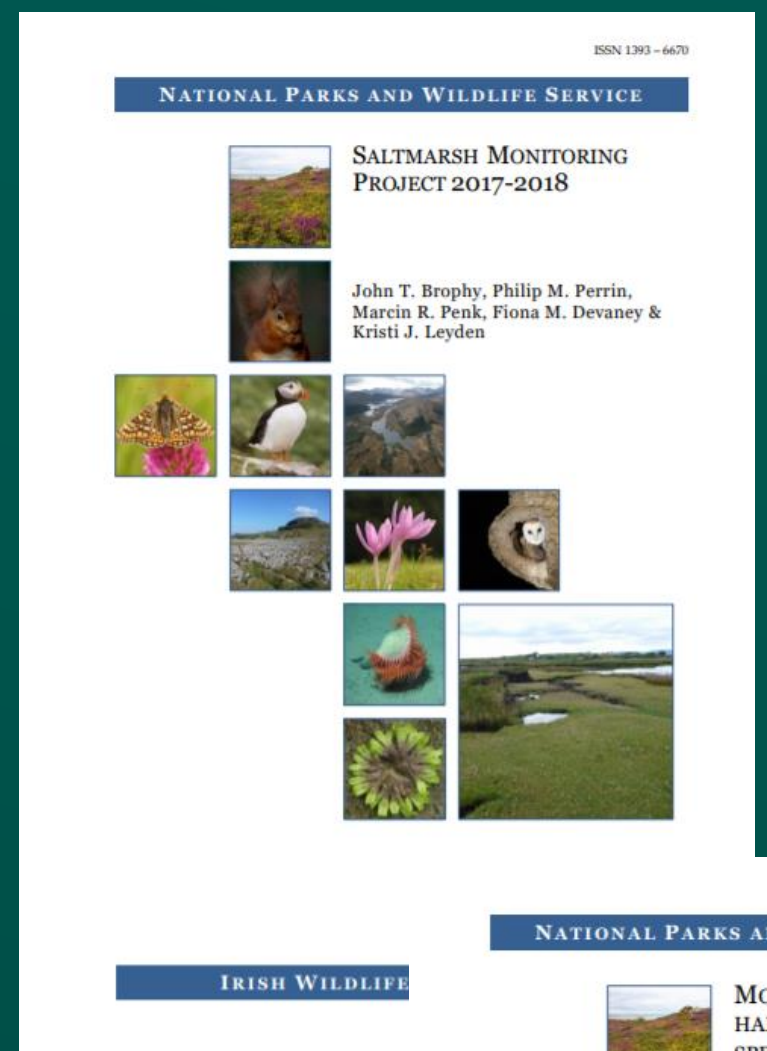
Purpose for which data will be used:

Conservation	NPWS funded project
Research	Biodiversity Plan
Land Management	Planning Application
Education	Environmental Impact Assessment
Other (please give details)	

List of the national grid 10km squares covered by area (these can be read from an OSI discovery map)

List of counties covered by area

Please attach maps of the study area
Preferably: one area map (min scale 1:15000); one location map (min scale 1:5000); GIS shapefile (.shp or .dxf).



<https://www.npws.ie/maps-and-data/open-data-policy>
<https://www.npws.ie/sites/default/files/general/data-request-form.docx>

Data challenges



Coverage: National monitoring surveys may cover most or all of resource or may be a small sample of resource

- owing to a variety of factors; vulnerability, available data, pressures and threats, budget ...

Synchronicity:

- 6 yearly reporting programmes under Nature Directives (Art12 Birds & Art17 Habitats), but rolling programmes for monitoring surveys. Also a rolling site by site schedule for setting site specific conservation objectives (SSCOs).

Sampling strategy: Survey samples typically representative, across the natural range and distributed both inside and outside protected sites

- Hence although a protected site may be included in a survey, the targeted resource may only be sampled/ partially surveyed within the site.
- Condition may be assessed at a subsample level.

....Consequently there may be challenges when
integrating data



National Parks & Wildlife Service

[National Parks](#)

[Protected Sites](#)

[Nature Reserves](#)

[Publications](#)

[Licences](#)

[Maps and Data](#)

[Planning](#)

[Home](#) > [Maps and Data](#) > Data Usage and Limitations

▼ [Data Usage and Limitations](#)

> [Habitat and Species data](#)

> [Open Data Policy](#)

> [Sensitive Data Access](#)

> [Protected site data](#)

> [Data Standards](#)

> [FPO Map Viewer -
Bryophytes](#)

> [Other relevant data sources](#)

> [Submit records](#)

Data Usage and Limitations

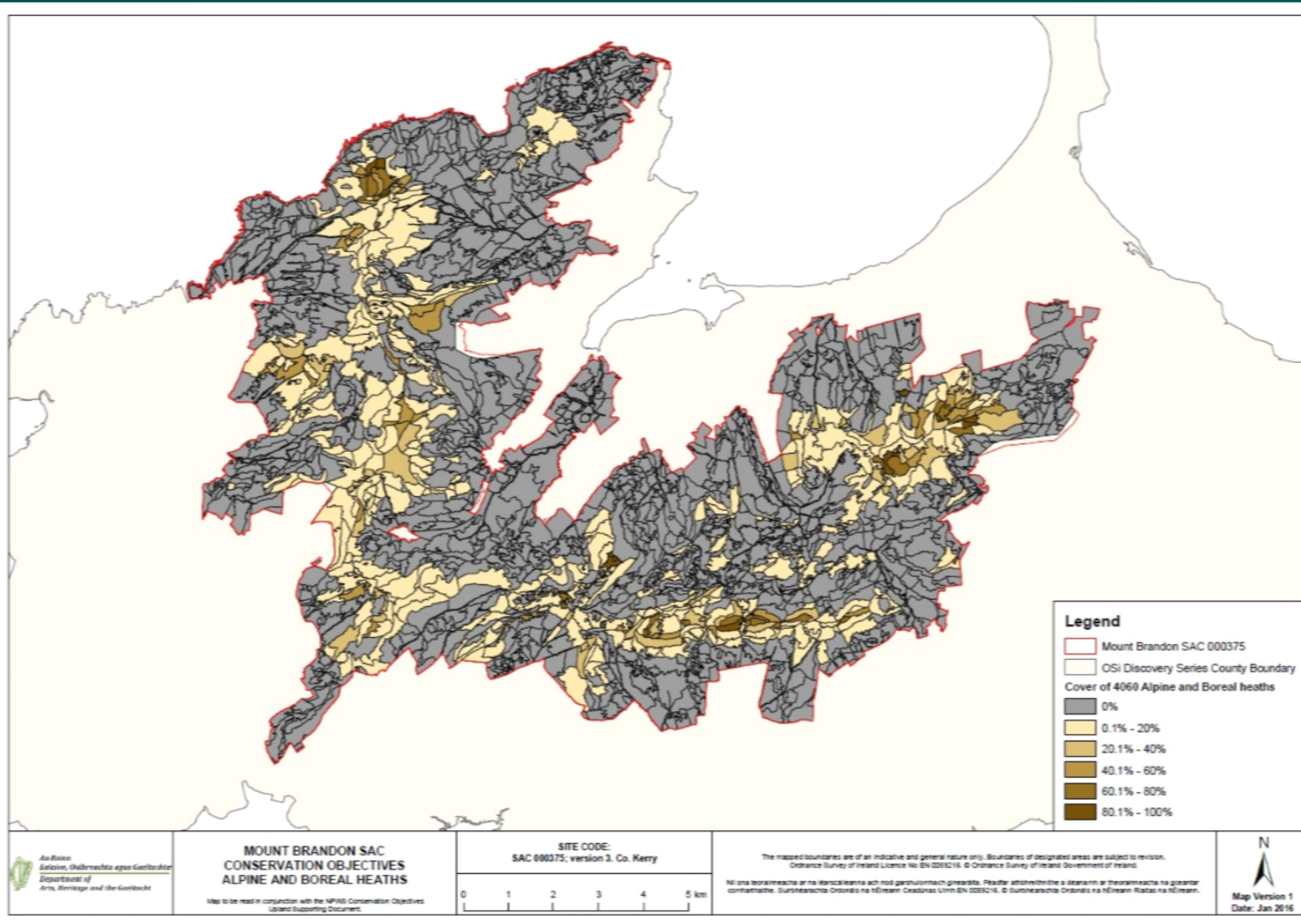
Users of NPWS data available on this website must be aware of the following advisory notes and limitations:

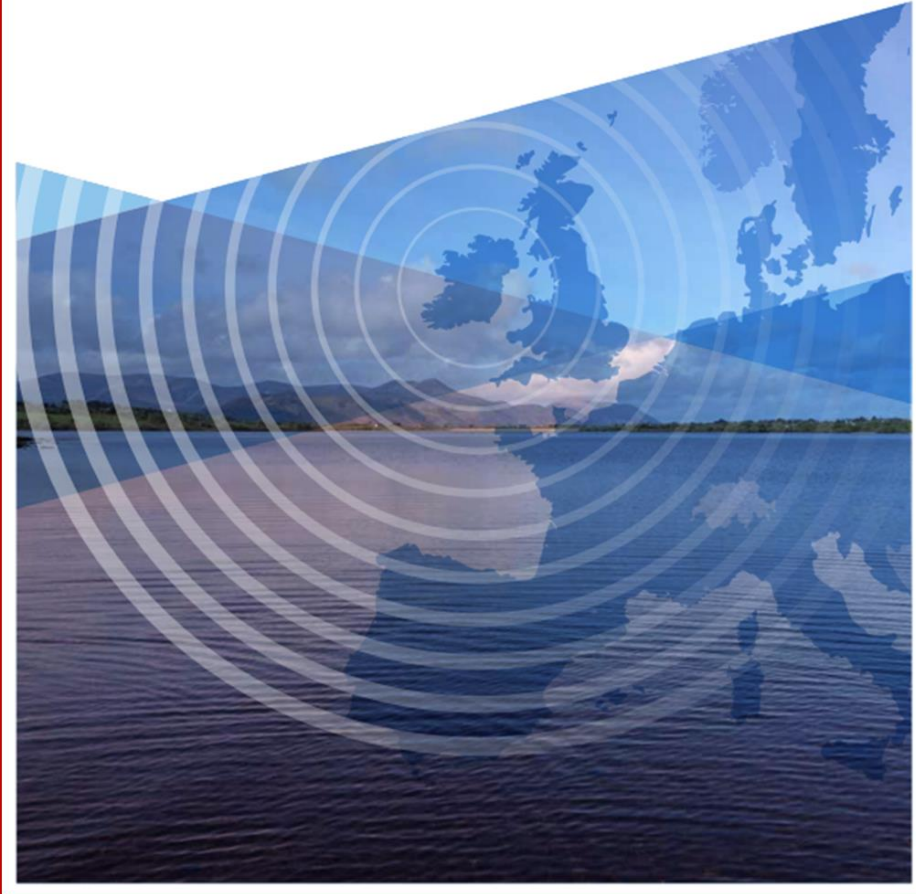
- The data listed for download are from records from key datasets and reports held by NPWS. They do not comprise the complete archive of biodiversity data held by NPWS.
- Species records are accurate to 1 km square level, after that there may be errors due to different map scales being used to calculate the grid references. Many were calculated before the widespread use of GPS.
- Habitat maps are indicative in nature only, and site boundaries may have been revised since the habitat maps were produced.
- Any biological record is specific to the date of recording and does not necessarily imply the continuance of the species at that site. Users should verify that the data were collected at a time of the day and year appropriate to the species.
- Any absence of information in the NPWS dataset does not necessarily indicate an absence of records for a given area or species, the area or species may simply be unrecorded.
- Similarly, any absence of information in the NPWS dataset for an area, does not necessarily imply a low biodiversity value for that area.
- NPWS data are not published here as legal definitions of the current actuality with regard to conservation regulations or their geographic extent. NPWS do not guarantee that the digital data is free of minor errors not materially affecting performance.
- NPWS does not guarantee the accuracy, timeliness, completeness, performance or fitness for a particular purpose of the data. It is the users' responsibility to ensure that the data are fit for any intended use.
- Data are provided on the understanding that users will not use the information to the detriment of individual species or habitats, biodiversity or the environment in general.



Upland survey sampling strategy

- Whole SAC sampling approach
- Fuzzy classification





Differing Sources of Data used for 2007 - 2012
Article 17 Assessment for Orchid-rich calcareous grassland

NPWS Grassland Monitoring Project
Polygon

CLONASCRA

Offaly Co. Co. & Heritage Council
Esker Survey Polygon

Grassland Relevé



Data collation and integration for National Conservation Status Assessment

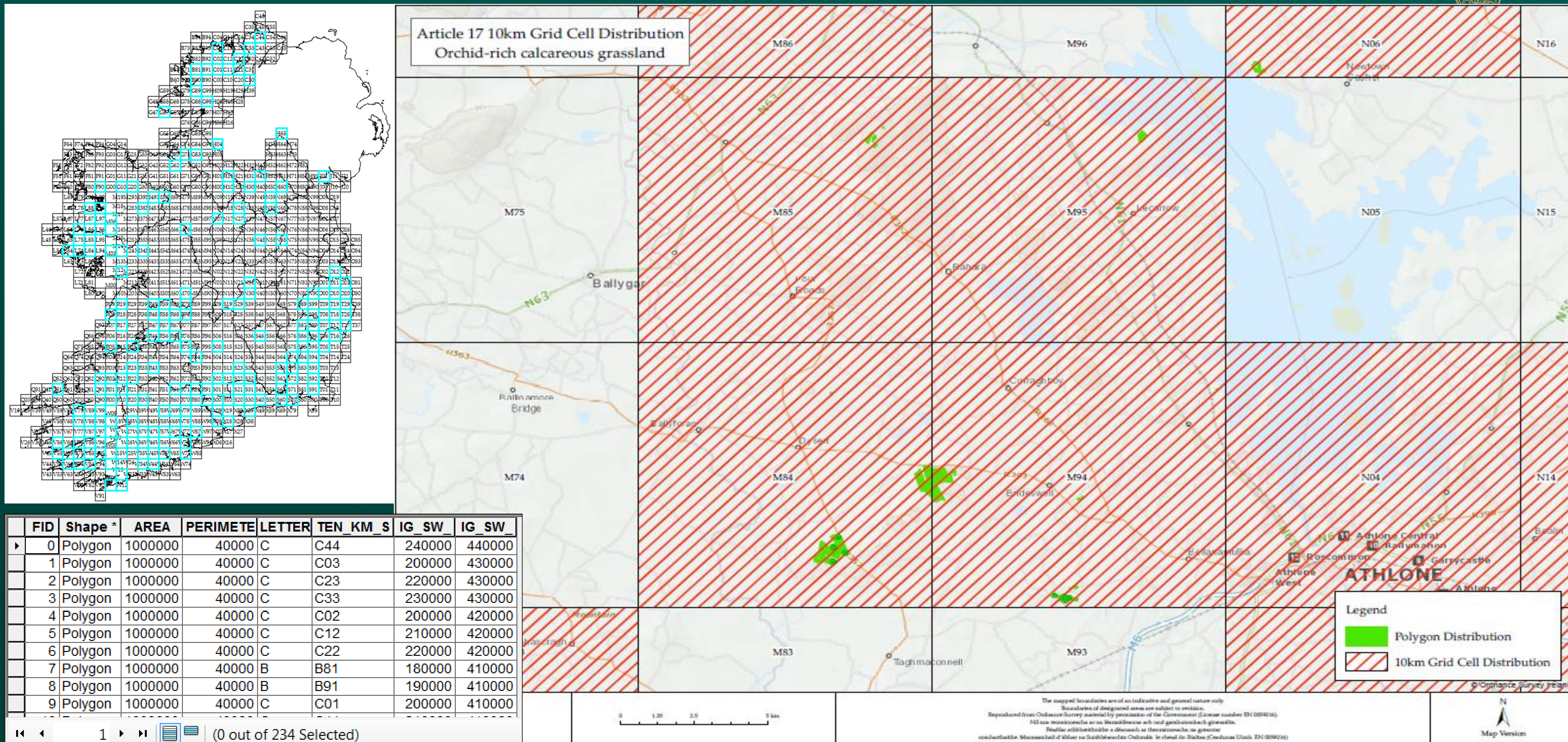
Habitats Directive - Article 17
2012 GIS and Metadata



Article 17 2012 reporting data
downloads

[Click for details...](#)

Art17 NCA Distributions from multiple sources used to calculate 10km Grid Distribution

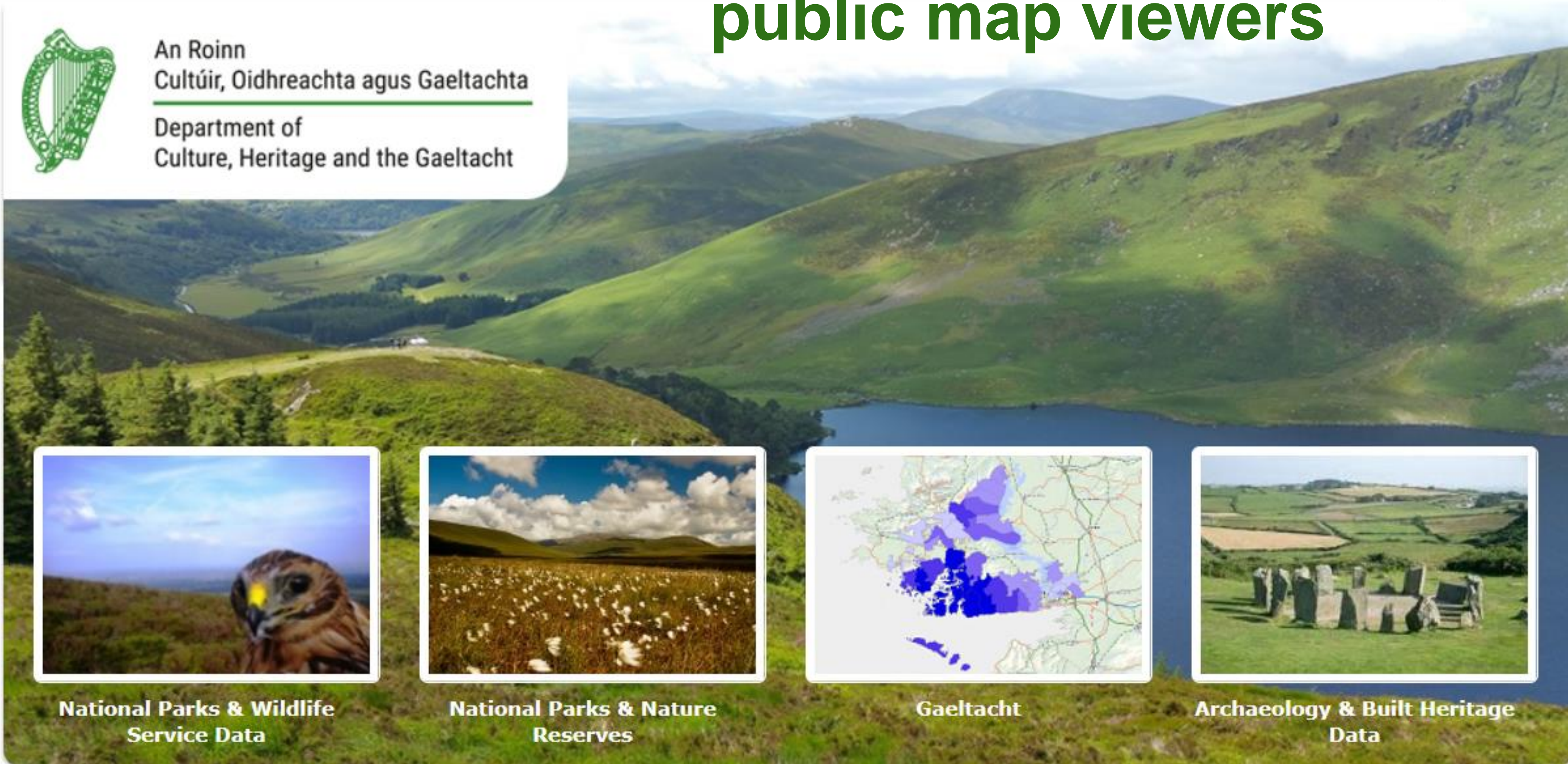


Selected habitats and species public map viewers



An Roinn
Cultúir, Oidhreachta agus Gaeltachta

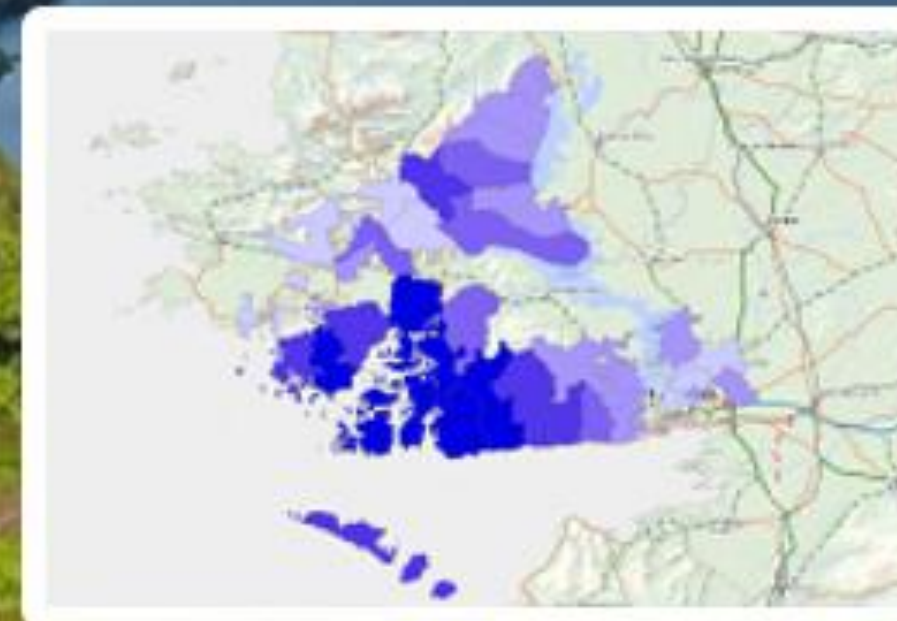
Department of
Culture, Heritage and the Gaeltacht



National Parks & Wildlife Service Data



National Parks & Nature Reserves

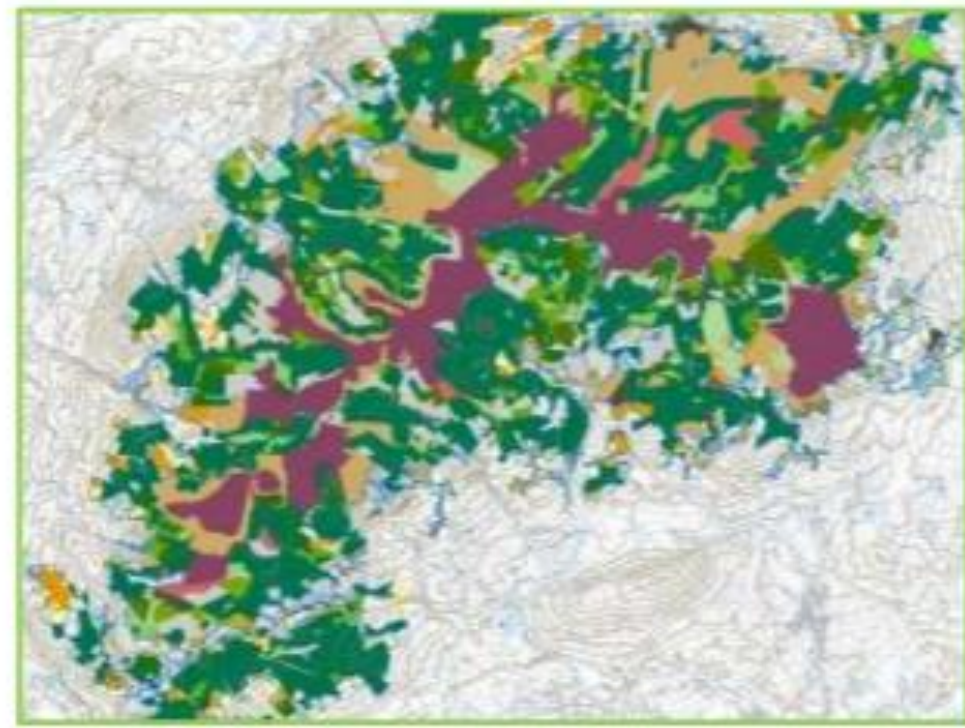


Gaeltacht



Archaeology & Built Heritage Data

Hen Harrier Special Protection Area (SPA) Habitat Mapping Project 2014



Irish Wildlife Manuals No. 83

An Roinn Ealaíon, Oidhreachta agus Gaeltachta
Department of Arts, Heritage and the Gaeltacht

Hen Harrier Habitat Mapping

Not secure dahg.maps.arcgis.com/apps/webappviewer/index.html?id=a964809ffbad4c16ae2...

Hen Harrier SPA Habitat Map View Publication

Lough Graney

© Ordnance Survey Ireland | Copyright Government of Ireland. This dataset was ...

esri

FPO Bryophyte viewer & linked taxon site info packs



← → ⌂ 🔍 ☆ G ...

Not secure | dahg.maps.arcgis.com/apps/webappviewer/index.html?id=71f...

FPO Bryophytes

+ - ☰ 📍 ?

(1 of 2)

Petalophyllum ralfsii

Site: 31 Sheskinmore
[PDF Link](#)

[Zoom to](#)

Petalophyllum ralfsii Sheskinmore, Co. Donegal

Flora Protection Order - bryophytes

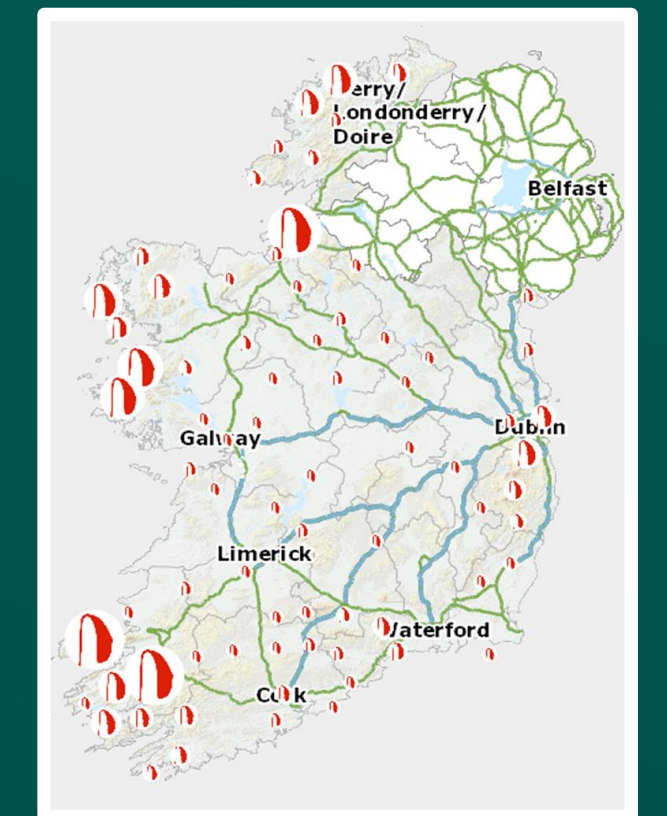
Petalophyllum ralfsii
Status: Least Concern; listed on the Flora Protection Order, Bern Convention & the EU Habitats Directive
Location: Sheskinmore, Co. Donegal

Species Records

Taxon	Vic County number	Taxon Site	Locality / habitat	Grid Reference	Date	Recorder	Protected site
Petalophyllum ralfsii	25	21	Sheskinmore	G68222	1988.01.11	Lockhart, N.	S4C300127
Petalophyllum ralfsii	25	21	Sheskinmore	G689805454	2008.02.09	Lockhart, N.	S4C300127
Petalophyllum ralfsii	25	21	Sheskinmore	G697748451	2008.02.21	Campbell, C.	S4C300127
Petalophyllum ralfsii	25	21	Sheskinmore	G697769451	2008.02.21	Smyth, N. & Campbell, C.	S4C300127
Petalophyllum ralfsii	25	21	Sheskinmore	G697769451	2008.02.21	Smyth, N. & Lockhart, N. & Campbell, C.	S4C300127
Petalophyllum ralfsii	25	21	Sheskinmore	G697769451	2008.02.21	Campbell, C. & Lockhart, N. & Smyth, N.	S4C300127
Petalophyllum ralfsii	25	21	Sheskinmore	G69876421	2008.02.21	Campbell, C.	S4C300127

Location (1:50,000 Discovery map)

Field Data Sheet - Field Survey 1998



Petalophyllum ralfsii

Locality: Sheskinmore (Mullgava Tomblann)	Land Owner/occupier: National Parks and Wildlife		
Grid Ref: G 690 953	Area (Ha): 0.01	Date: 11/2/98	Recorder: Neil Lambert, John Hennigan

Sketch Map of Site Showing Location of Species

Size of Population: Two populations about 1m apart. Relieve 1 has about 20 plants, the colony to its west c. 30 plants. There are also two populations seen at Sheskinmore following a morning search.

Locality Map (1:25,000 if possible)

Associated Species: Festuca rubra, Ranunculus abortivus, Plantago coronopus, etc.

Other Data: Two sand colonies on a steep, sloping sandy bank beside a narrow water track, with some outcropping limestone mounds adjacent. The area is surrounded by rabbit burrows parts of the site.

Threats and Proposed Conservation Measures: The population is at present maintained as open turf by rabbit grazing, it is probably beneficial. Cattle fields nearby require 100-150 acres from turf - March 31 (J. Hennigan)

GENERAL RELEVÉ CARD			
Site: Sheskinmore (Mullgava Tomblann)		Grid ref.: G 690 953	
County: Donegal		Date: 11/2/98	
Relieve # 1	Sampled by: N.L. J.H.	Relieve # 4	Sampled by:
Sample site description: On edge of sandy bank beside drainage gully c. 50m above current water level. Area ca. 0.5-1.5m from water edge. Microrelief: Flat, open, mostly turf.		Sample site description:	
Sample area: 0.5 x 0.5m	Altitude: c. 15m	Aspect: N	Slope: 45°
Weather: Fine [] Bad [x]	Surface soil type: Compact sandy turf		
Soil texture: Sandy	Surface soil texture:		
Species	Cover	Species	Cover
Petalophyllum ralfsii	1		
Festuca rubra	2		
Ranunculus abortivus	2		
Plantago coronopus	1		
Plantago lanceolata	1		
Plantago ovifolia	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		
Ranunculus abortivus	1		

Taxon Site Locations

Options Filter by map extent Zoom to Clear selection Refresh

Taxon	Site	County	Location	Last_seer
Petalophyllum ralfsii	31 Sheskinmore	Donegal	G6897795452	2009

20/06/2017
Petalophyllum_ralfsii_31_sheskinmore_a.doc

1 features 0 selected

In progress – WMS spatial index of NPWS surveyed areas



Print | Measure | Find address or place

Copyright Government of Ireland. This dataset was created by National Parks and Wildlife Service

Features: 34372, Selected: 1)

Area_ha	Survey	SurveyCat	AnnexHab	Annex_Y_N
40.84	Upland Surveys - Sites 1 -15	NPWS Survey - Dedicated Annex Habitat	3130	Annex

NPWS Survey Targetted Annex Habitat: 1330

PRIMARY_AN 1330
 Date Range 2006
 Area (Hectares) 40.84
 Survey Saltmarsh Monitoring Project 2006
 SurveyCat NPWS Survey - Dedicated Annex Habitat
 AnnexHab 1330
 Annex_Y_N Annex
 AreaChkha 40.84
 Label Field Annex - 1330
 TC_Group Coastal habitats

[Zoom to](#) ...

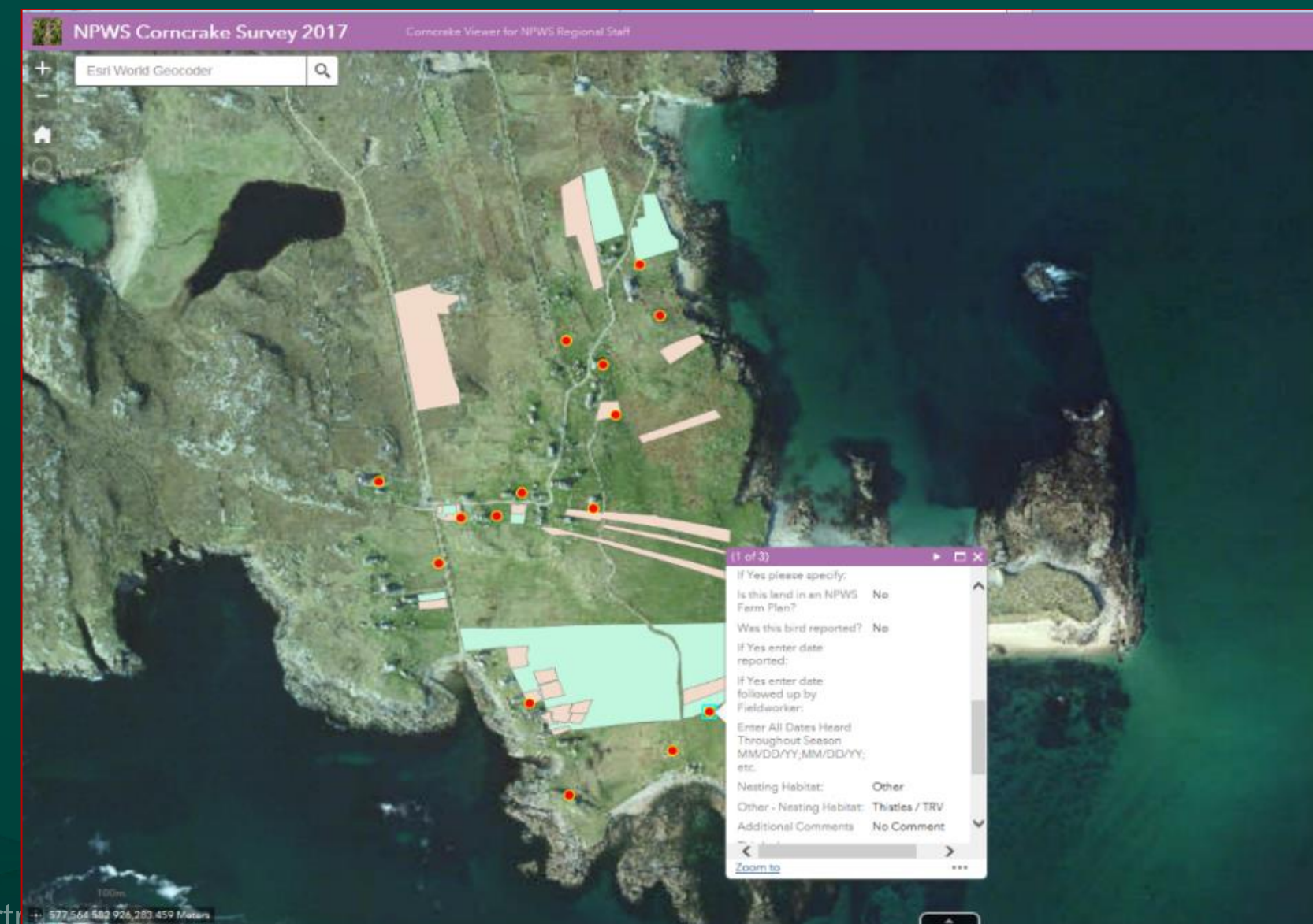
NPWS Mobile data collection tools



National
Corncrake
Census app



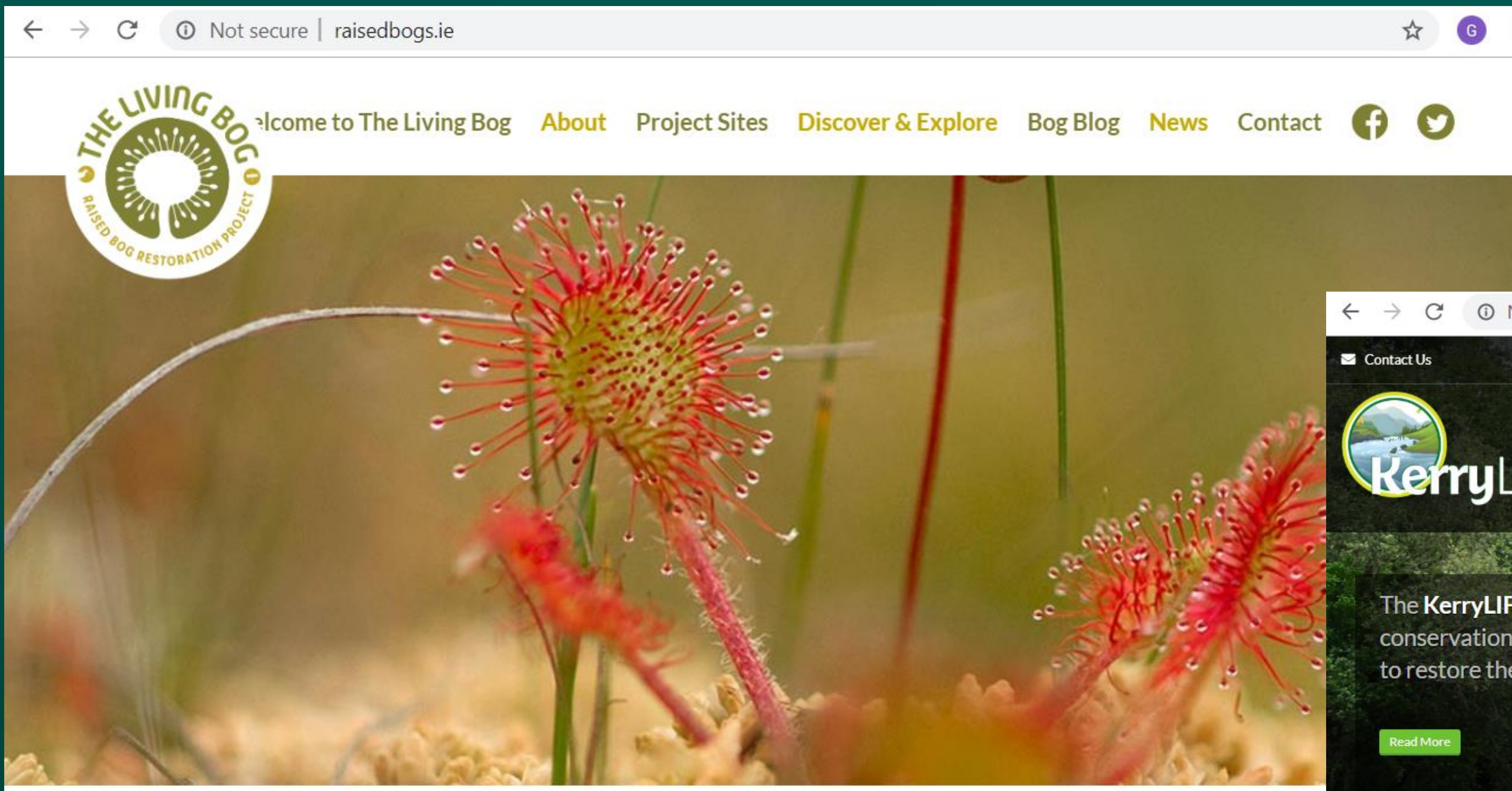
Site Inspection
Reporting (SIR)
app



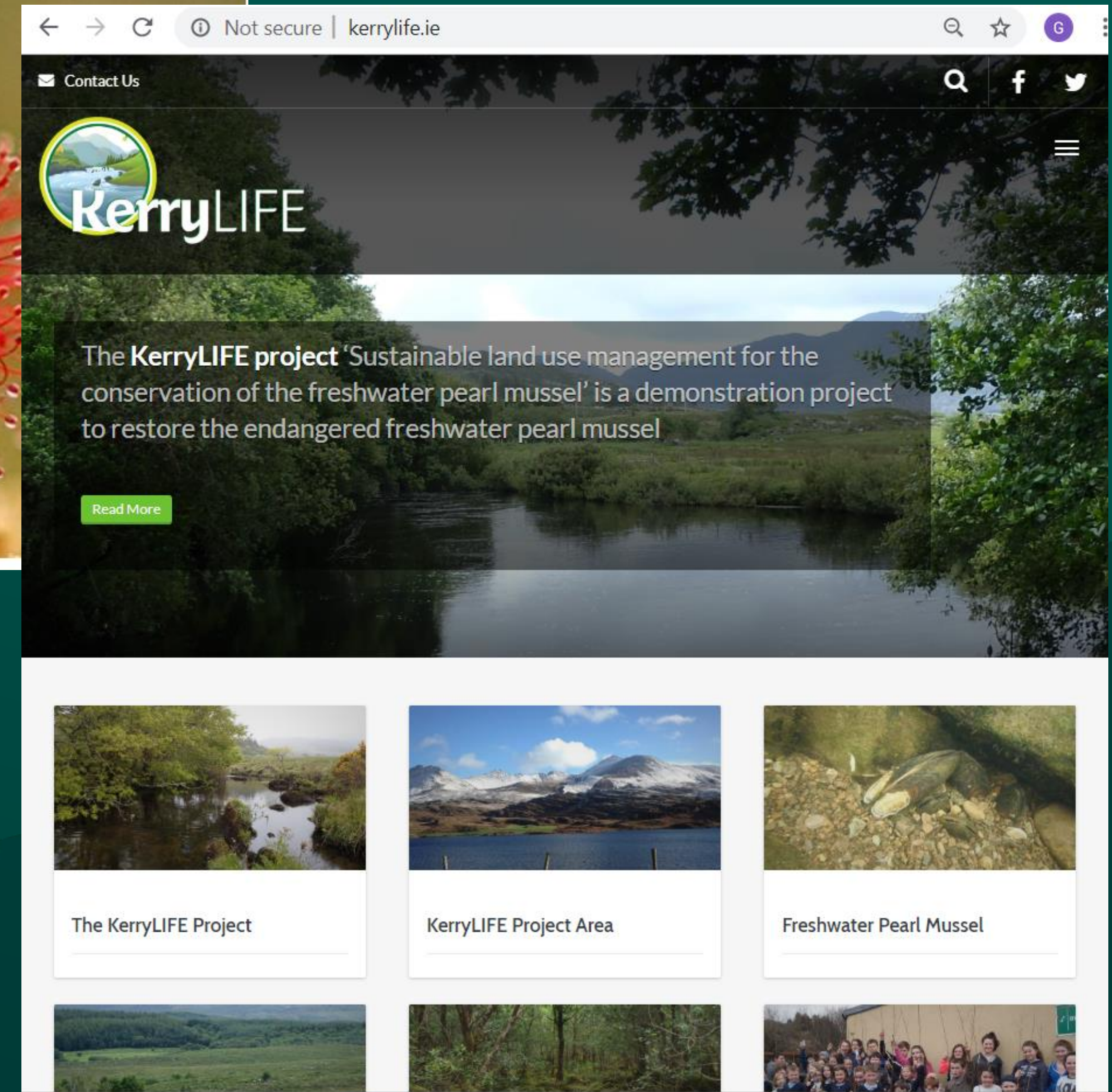


Collaboration in data collection and analysis...

Some selected examples



EU part funded LIFE Projects - examples Living Bog and Kerry Life



The ObSERVE Programme is a Government of Ireland funded initiative, established by the Department of Communications, Climate Action & Environment in partnership with the Department of Culture, Heritage and the Gaeltacht.

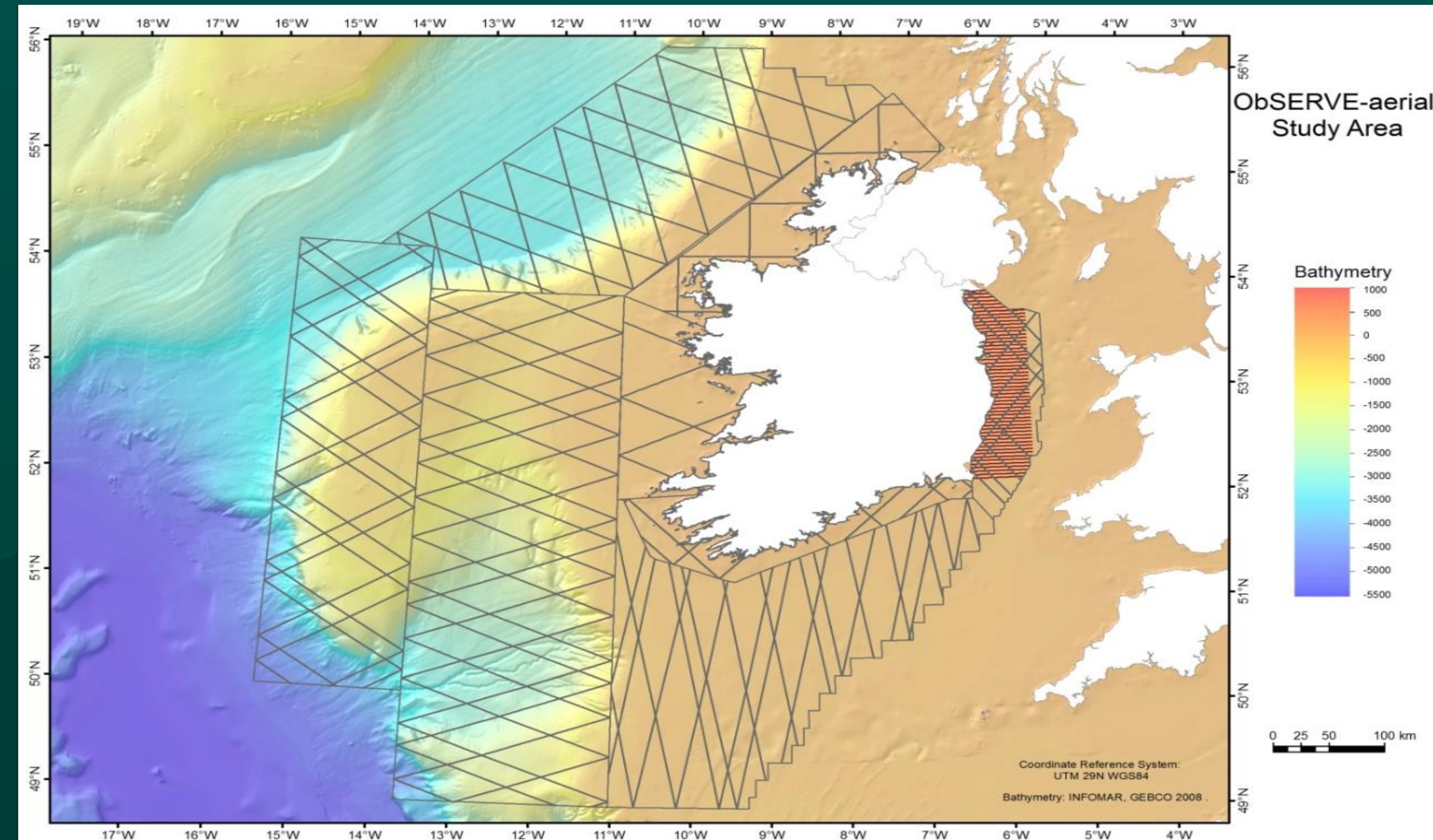
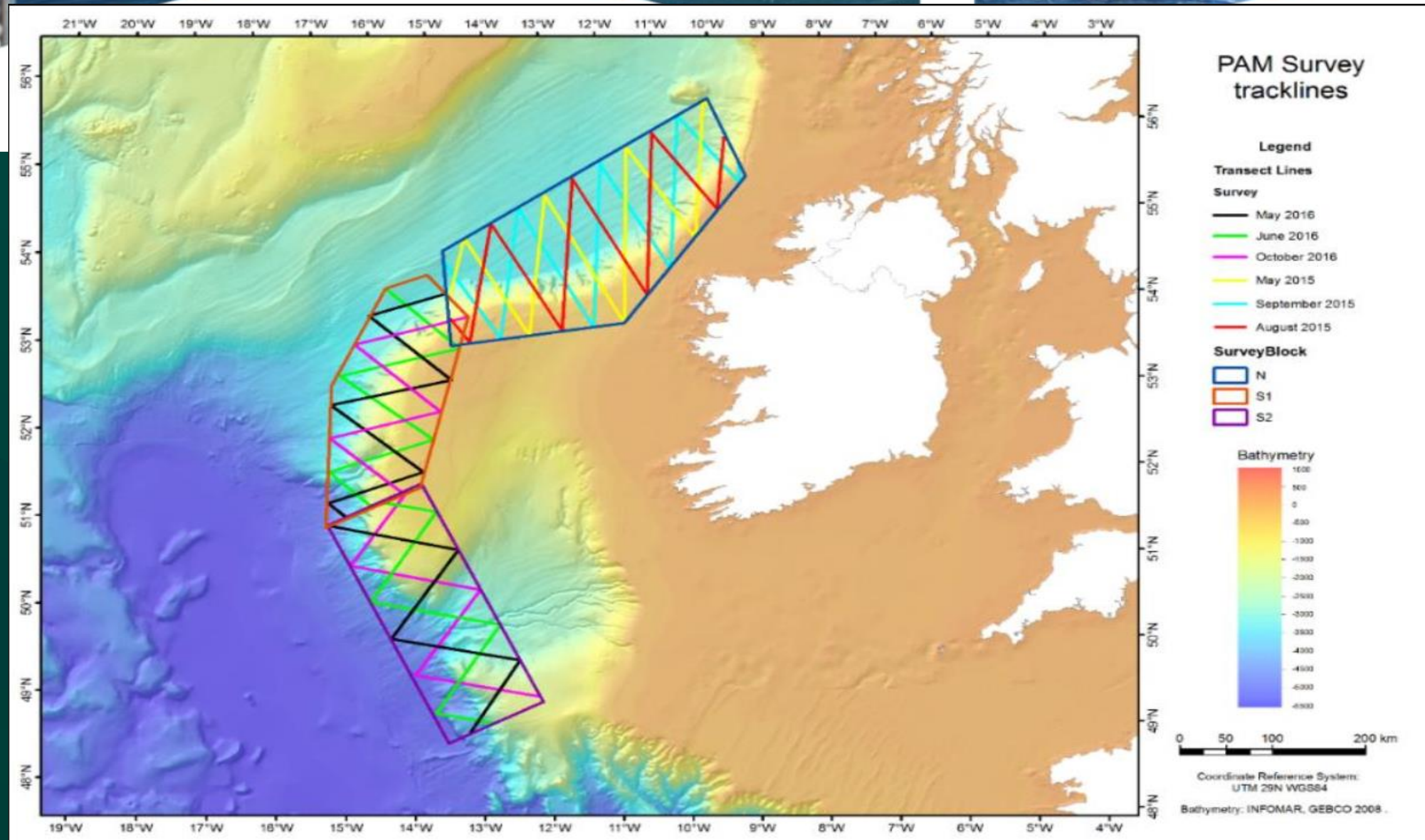
Now more than ever, we need to protect & conserve our rich marine biodiversity and manage our natural resources

ObSERVE

ObSERVE Acoustic Survey Lines

Department of Communications, Climate Action and Environment

PAD - ObSERVE Aerial Survey Lines



National Land Cover and Habitat Mapping Working Group



THE IRISH TIMES

Thu, Sep 19, 2019

- NEWS
- SPORT
- BUSINESS
- OPINION
- LIFE & STYLE
- CULTURE

Ireland needs more detailed land-use maps

Experts agree that accurate information among best ways to make policy decisions

about 9 hours ago

Sylvia Thompson



The most accurate land-cover maps for Ireland come from a pan European dataset produced by member states for the European Environment Agency.

Ireland is one of the few countries in Europe that does not have precise and detailed maps of how land is used and how land use is changing over time.

As we become more alert to the high levels of greenhouse gas emissions from agricultural land use and the detrimental effects of climate change on land,



National vegetation database

The National Vegetation Database aims to collate all of Ireland's vegetation data onto a single digital database & to make maximum use of this valuable resource.

Click below to navigate to main sections of this project



The National Vegetation Database: Guidelines and Standards for the Collection and Storage of Vegetation Data in Ireland Version 1.0



Irish Wildlife Manuals No. 49

biodiversityireland.shinyapps.io/vegetation-classification/

ERICA: Engine for Relevés to Irish Communities Assignment

Info Input Output Graph Richness Diversity I Diversity II Proxy

Upload data

Browse... No file selected

File size:
Type of data recorded:
Number of plots (rows):
Number of species (columns):

Data checks

A. Species with non-numeric values:
B. Additional species with missing values:
C. Additional species with values outside range:
D. Species names not found:

Highlighted species:

Export Analyse
Download

ERICA
Irish vegetation classification tool

ERICA is a web application that allows you to assign your own vegetation data to the communities of the Irish Vegetation Classification (IVC). The IVC has been developed from quantitative vegetation plot data collated by the National Vegetation Database (NVD). If you make use of ERICA, consider submitting your data to the NVD. Details of how to do this can be found on the website of the National Biodiversity Data Centre (NBDC)

The IVC is a project commissioned and supported by NBDC with funding provided by the National Parks and Wildlife Service of the Department of Culture, Heritage and the Gaeltacht

Documentation

ERICA Manual Example Data Species List Attributes

Taxonomy

Version 4.0 (27th November 2018). Designed and programmed by Philip Perrin, BEC Consultants Ltd.

bec CONSULTANTS
National Biodiversity Data Centre
Documenting Ireland's Wildlife

An Roinn Cultúir, Oidhreacht agus Gaeltachta
Department of Culture, Heritage and the Gaeltacht

Irish Vegetation Classification

NATIONAL VEGETATION DATABASE

Ireland2008 Dictionary

Ireland2008 is a composite list constructed by the National Botanic Gardens that combines four separate checklists:

Botanical Checklist	Sources from which the checklist is constructed
1. Vascular plants, native and alien, list for Ireland; National Botanic Gardens, Glasnevin 2008.	SCANNELL, M.J.P and SYNNOTT, D.M. (1987) Census Catalogue of the Flora of Ireland. Clar de Phlándai na hÉireann. 2nd edition. Stationery Office, Dublin. PRAeger, R.L.I. (1901). Irish Topographical Botany. Proceedings of the Royal Irish Academy 23 (3rd. series, 7): 1-410. On-line Botanical Society of the British Isles database. Note: Common spelling errors are also included as synonyms.
2. Bryophytes, native and alien, list for Ireland; National Botanic Gardens, Glasnevin 2008.	HOLYOAK, D.T. (2003) The Distribution of Bryophytes in Ireland. Dinas Powys, Vale of Glamorgan: Broadleaf Books. HOLYOAK, D.T. (2006) Progress towards a Species Inventory for Conservation of Bryophytes in Ireland. Biology and Environment: Proceedings of the Royal Irish Academy, VOL. 106B, NO. 3, 225-236.
3. Checklist of Lichens of Great Britain and Ireland London: British Lichen Society 2002	An Irish lichen list is not currently available; therefore a checklist is sourced from: COPPINS, B.J. (2002) Checklist of Lichens of Great Britain and Ireland London: British Lichen Society.
4. Characeae list for Ireland; National Botanic Gardens, Glasnevin 2008.	J.A. BRYANT, N.F. STEWART and C.A. STACE (2002) A checklist of Characeae of the British Isles. Watsonia 24: 203-208.

The Irish checklists are available on the National Botanic Gardens website: <http://www.botanicgardens.ie/herb/census/resource.htm>

Citizen Science



Citation: National Biodiversity Data Centre, Ireland, Freshwater White-clawed Crayfish (*Austropotamobius pallipes*), image, accessed 15 October 2019, <<https://maps.biodiversityireland.ie/Species/TerrestrialDistributionMapPrintSize/17487>>



Integration in other web tools & technologies

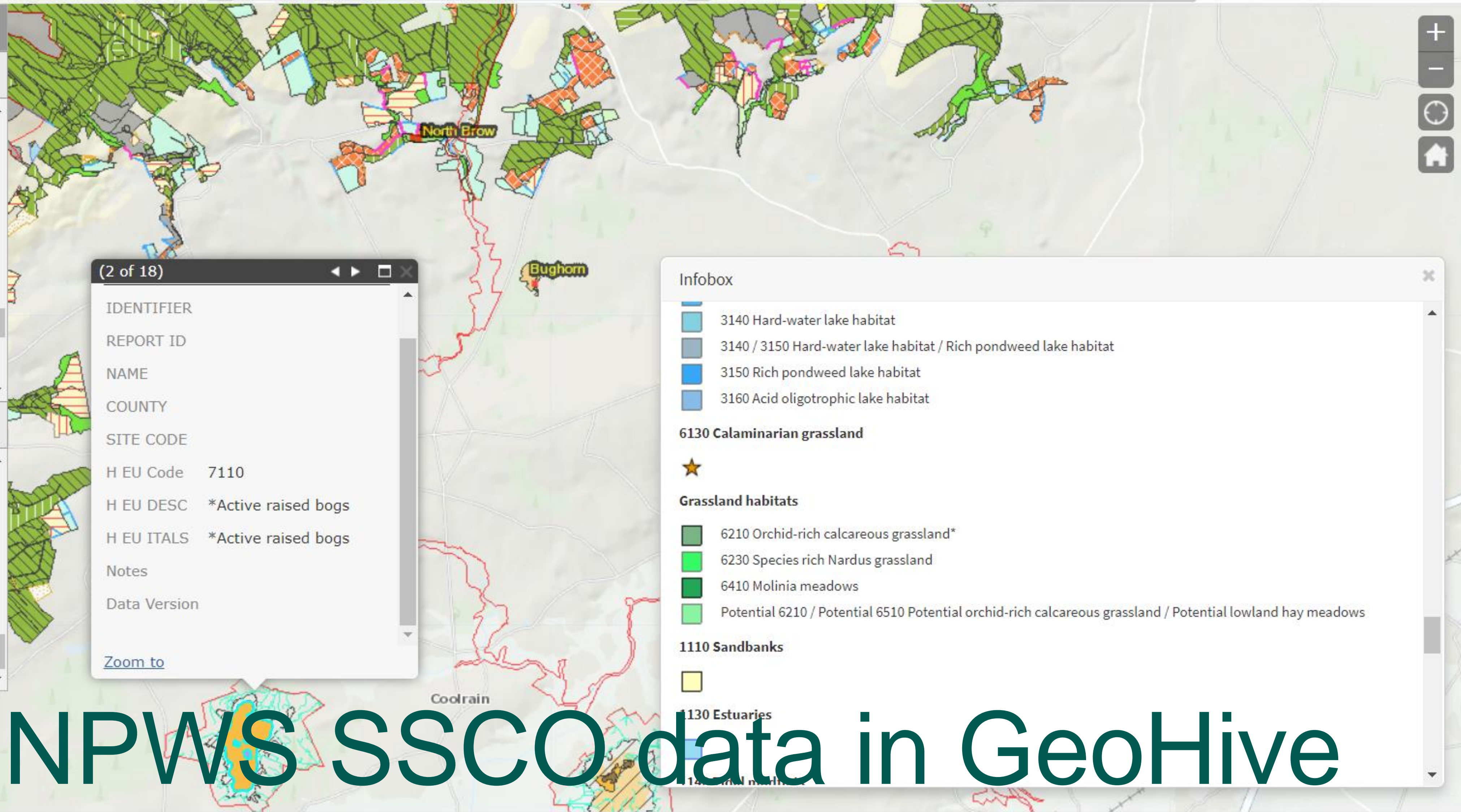
Share

Data Catalogue

- Parks, Galway City Council
- Proposed Natural Heritage Areas...
- Protected Structures, Galway Cit...
- Radiological data, EPA
- Record of Protected Structures L...
- Route Protection Corridors, Cork ...
- SAC Habitats Directive Annex I h...
- SAC Habitats Directive Annex II ...

Selection

- NSNW Site Locations
- NSNW Site Extent
- NSNW Relevé Locations
- NSNW Annex I Habitat contained in Feature
- NSNW Dominant Fossitt Habitat
- NSNW Site Names
- Hen Harrier SPA Habitat Mappin...
- Transparency
- Hen Harrier Linear Habitats
- Hen Harrier Polygon Habitats
- Hen Harrier SPA



(2 of 18)

IDENTIFIER

REPORT ID

NAME

COUNTY

SITE CODE

H EU Code 7110

H EU DESC *Active raised bogs

H EU ITALS *Active raised bogs

Notes

Data Version

[Zoom to](#)

Infobox

- 3140 Hard-water lake habitat
- 3140 / 3150 Hard-water lake habitat / Rich pondweed lake habitat
- 3150 Rich pondweed lake habitat
- 3160 Acid oligotrophic lake habitat

6130 Calaminarian grassland

★

Grassland habitats

- 6210 Orchid-rich calcareous grassland*
- 6230 Species rich Nardus grassland
- 6410 Molinia meadows
- Potential 6210 / Potential 6510 Potential orchid-rich calcareous grassland / Potential lowland hay meadows

1110 Sandbanks

1130 Estuaries

NPWS SSSCO data in GeoHive

Layer List

- Proposed Natural Heritage Areas

News & Events

Environmental Sensitivity Mapping (ESM) Webtool is launched

Published: Thursday, 10 October, 2019

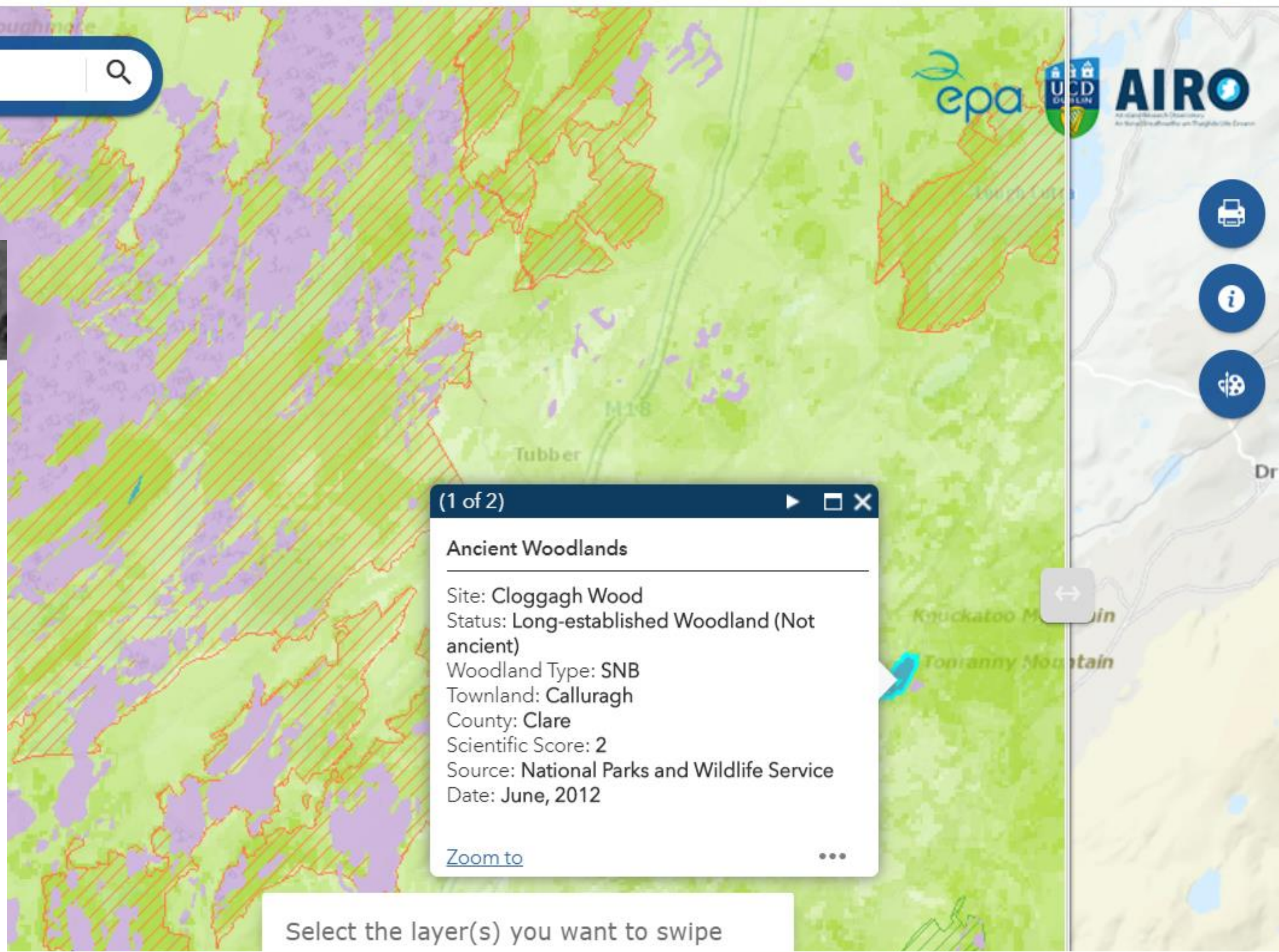
[VIEW LATEST NEWS](#)



The Environmental Sensitivity Mapping (ESM) Webtool is a novel GIS desktop-based tool for strategic Environmental Assessment (SEA) and planning processes in Ireland. Bringing together more than 100 public datasets, the tool allows users to conduct environmental sensitivity assessments, identify areas of high environmental sensitivity, and identify suitable development locations while protecting the environment. As well as its primary use in SEA and planning, the tool will also be useful for a wide range of other sectors and applications.

The ESM Webtool is funded by the EPA and developed and maintained by Dr Ainhoa González at UCD's School of Geography and Justin Gleeson and Eoghan McCarthy at the All-Ireland Research Observatory (AIRO) at Maynooth University. The tool is hosted by OSI on the GeoHive Portal. You can find out more about at www.enviromap.ie.

Congratulations Ainhoa!



Select the layer(s) you want to swipe

Variety of NPWS spatial survey and reporting data used in ESM Webtool (recently incorporated into OSI's GeoHive)

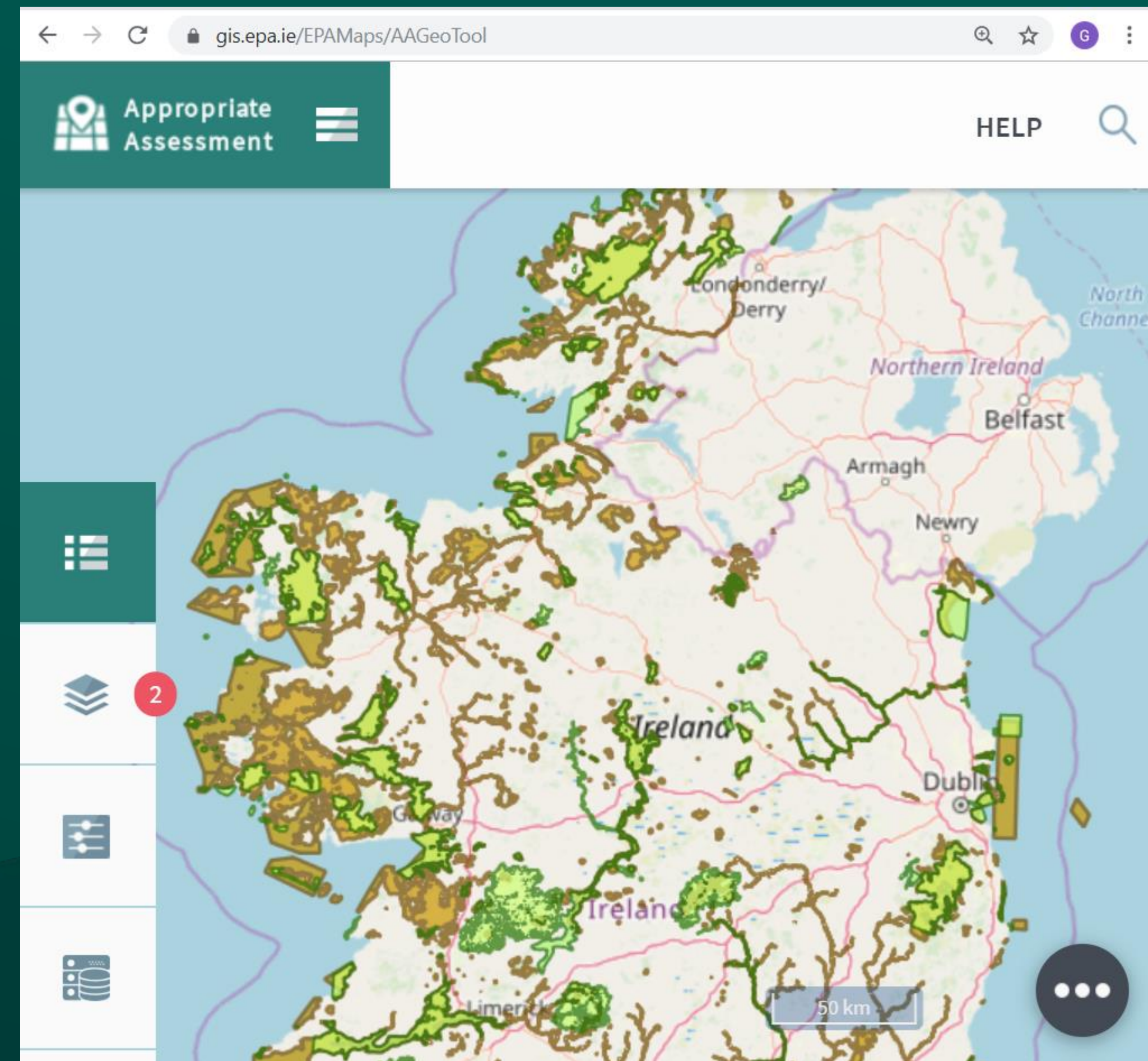
NPWS Ecological Data – EPA AA Geotool



Aims to help with the data gathering process of Stage 1 and Stage 2 Appropriate Assessment.

Uses NPWS web service with information including list of qualifying interests for each site and Url link to the conservation objectives for each site.

The AA GeoTool allows the user to select a point on the map and then search for SACs and SPAs within a defined distance/ upstream/ downstream of the point.




NPWS ecosystem services data used in SDG indicators



irelandsdg.geohive.ie/app/89cd3819501e4900bdd5c311686ab0e7

Explore Sustainable Development Goals via Story Maps


Click any Story Map below to access an interactive narrative on a Sustainable Development Goal for Ireland.



Ireland's Life on Land

This Story Map explores Ireland's Life on Land by taking a look at protected areas across Ireland, habitat types and national initiatives to protect and


Explore



Ireland's Rivers

Ireland's Rivers and the Sustainable Development Goals.

Explore



Ireland: Voluntary National Review 2018

This Story Map provides a brief overview of Ireland's Voluntary National Review (VNR) 2018. VNRs are part of the follow-up and review

Explore

19501e4900bdd5c311686ab0e7



Rialtas na hÉireann
Government of Ireland

Home Goals Events Data Guidelines Stories & Applications

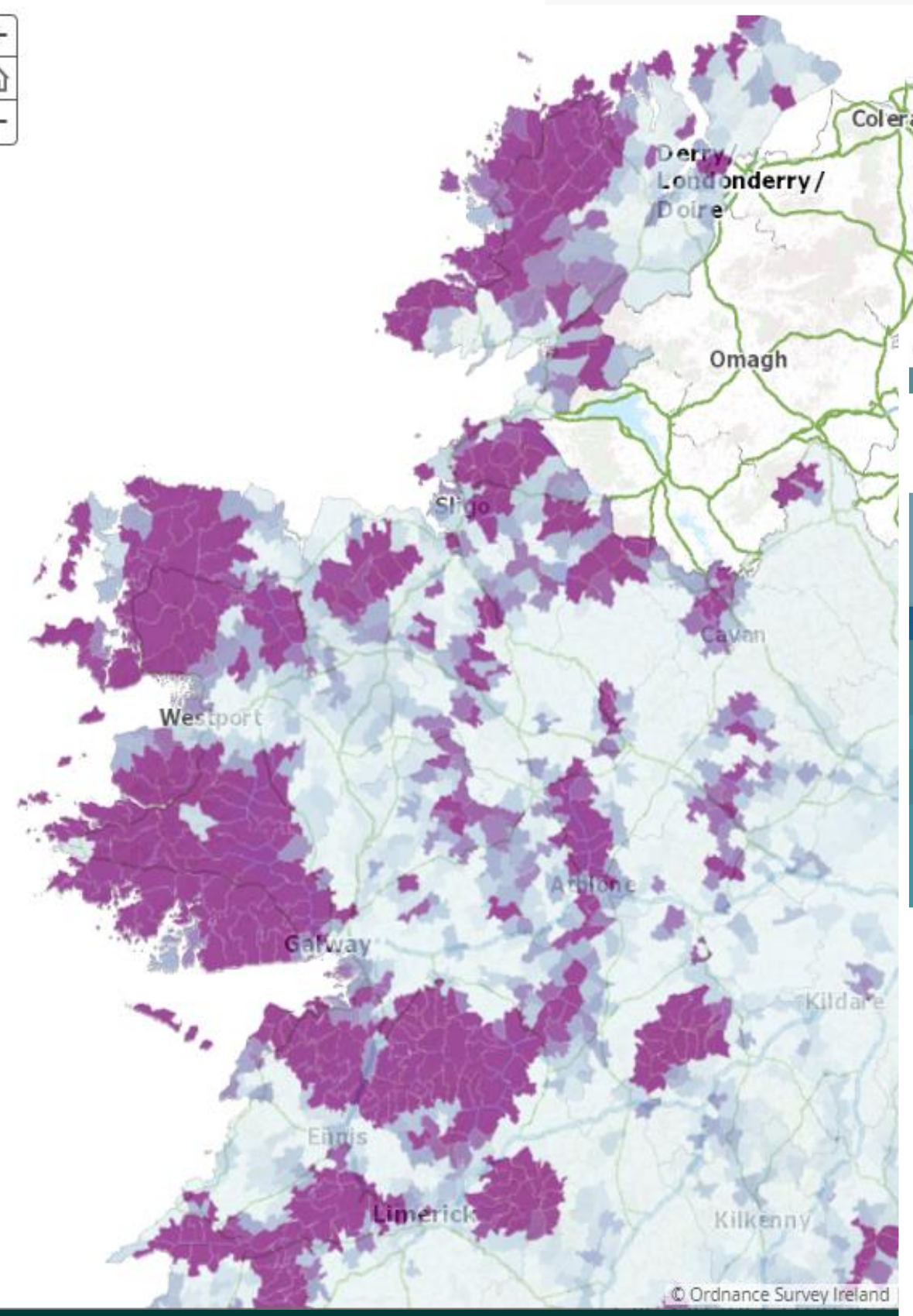
Ireland's Life on Land

What is biodiversity?

Biological diversity or "biodiversity" means the variety of all life forms on Earth (National Biodiversity Action Plan, 2017).

Why is biodiversity important?

Biodiversity underpins the healthy functioning of ecosystems that provide a multitude of benefits to humanity, such as, regulation of greenhouse gases, flood control, regulation of water quality, food production and cultural heritage. These benefits are also known as 'ecosystem services' (Science for Environment Policy, 2015).



Ireland's Life on Land

Habitats in Ireland's Protected Areas

The National Biodiversity Plan (NBP)

SDG 15.1.2, Proj of Important Site Terrestrial and Freshwater Bloc that are Covered Protected Areas Ecosystem Type Electoral Division Ireland, NPWS &



17 Goals to Transform our World

Home Goals Events Data Guidelines Stories & Applications

13 CLIMATE ACTION

Sustainable Development Goal 13 Progress, Ireland

Explore

14 LIFE BELOW WATER

Sustainable Development Goal 14 Progress, Ireland

Explore

15 LIFE ON LAND

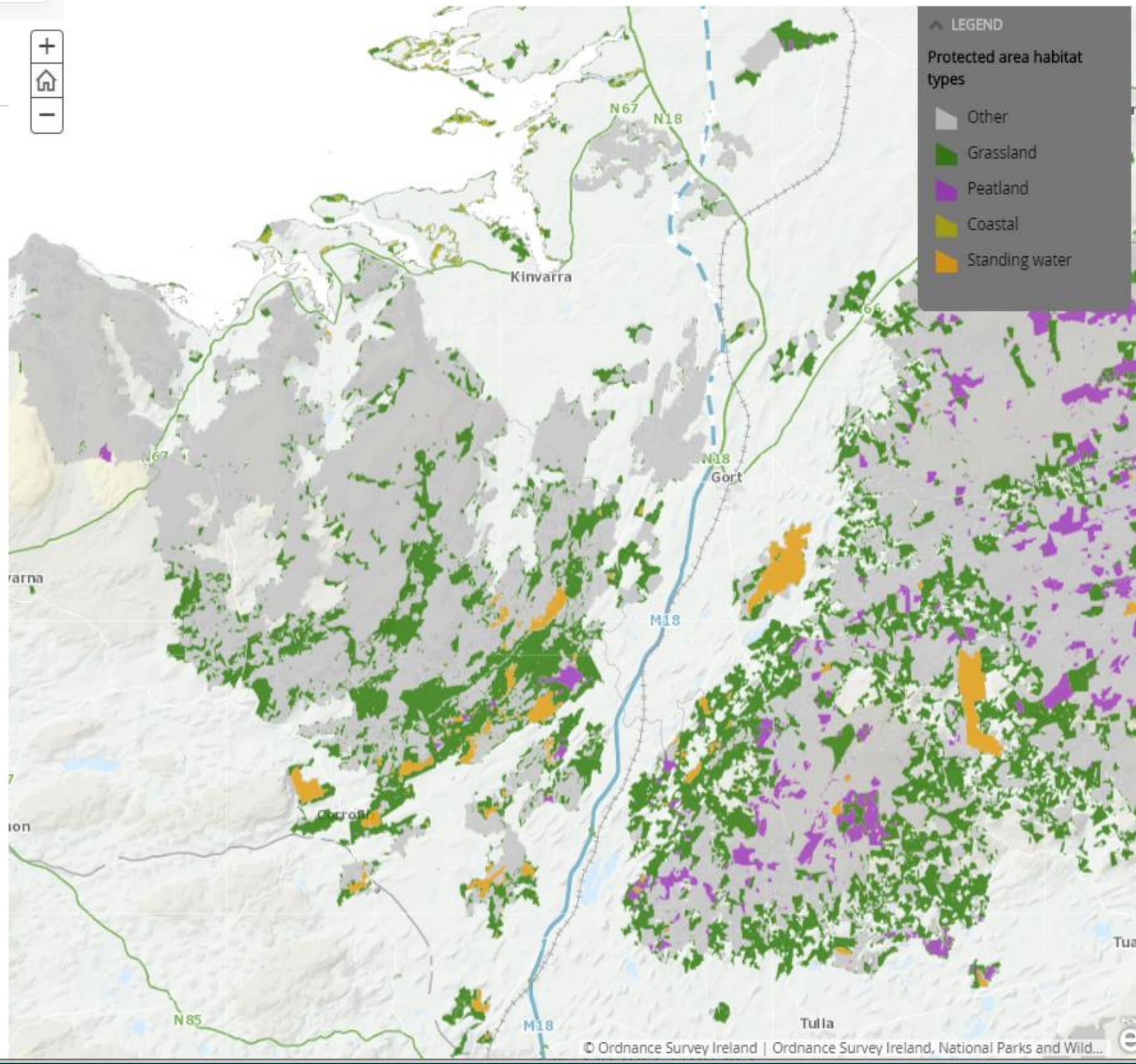
Sustainable Development Goal 15 Progress, Ireland

Explore

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Sustainable Development Goal 16 Progress, Ireland

Explore





Your views-

We will be undertaking a survey looking for feedback from NPWS data users – interested?



Thank you!

