Online Resources

most commonly used at the Trinity College Dublin Geological Museum

in particular for localities in **Ireland**, and with a **geological** bias.

Georeferencing Irish localities

Ireland is a densely named country, and placenames have long histories in two languages.

This means that localities can be precisely described, but also adds complexity to the georeferencing process.

Two particularly useful resources are 1) **Logainm** placename database and 2) Historic **6" and 25" Ordnance Survey Ireland (OSI) maps,** which are available as base maps through various portals (as shown in the following slides).

These provide a level of detail which is not always available in modern digital maps, and they are especially useful in a museum setting where collections span multiple centuries.
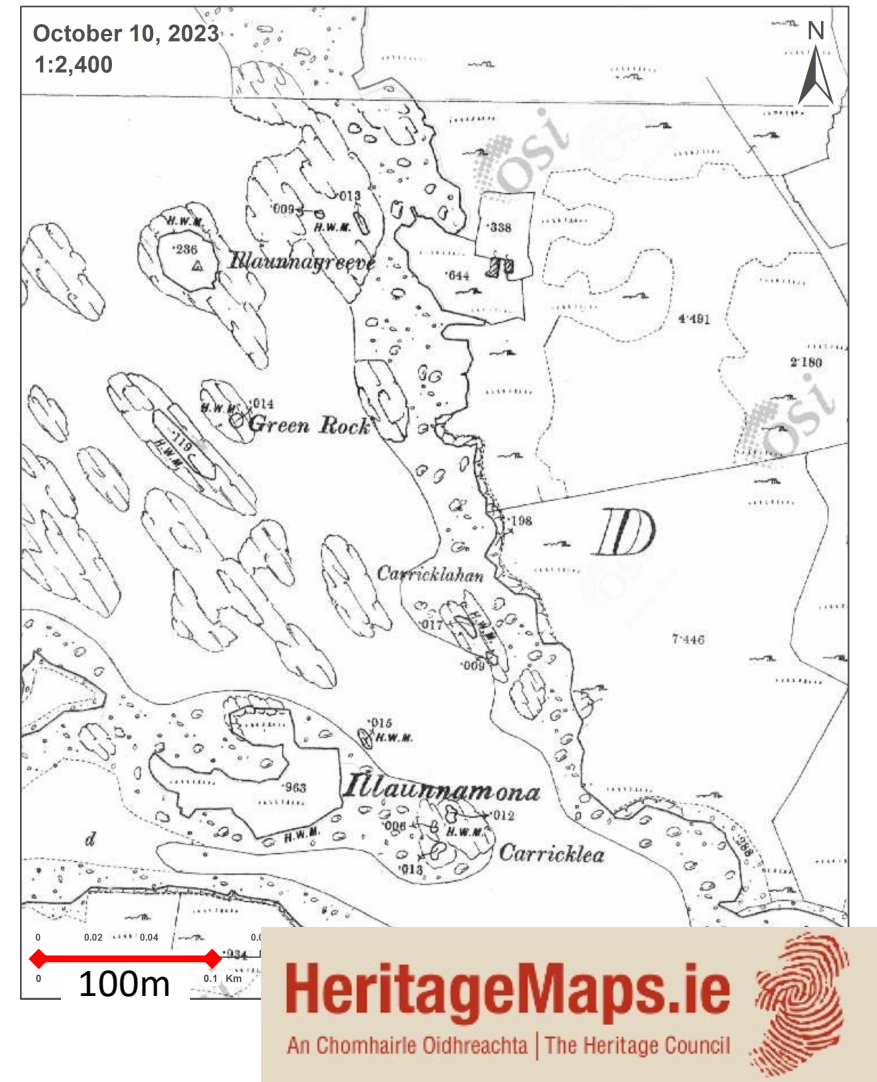
However

- Logainm is a placenames database, which uses OpenStreetMap but has limited mapping capabilities
- The GIS portals which allow access to the historic OSI maps can't be searched by placename and have less useful modern base maps (in most cases).

Therefore, we often use up to four resources at a time – one for place names, one for historic maps and geology layers, one for modern maps and making measurements, and one for offsets/uncertainties (the georeferencing calculator).

The following slides illustrate the benefits, limitations and key functionality of the online resources we are using.

logainm.ie

GeoHive

HeritageMaps.ie
An Chomhairle Oidhreachta | The Heritage Council

GEOLocate

Georeferencing Calculator

s only (e.g., 27°34'23.4" N, 121°56'42.3" W)

Logainm

https://www.logainm.ie/en/

logainm.ie

"The Placenames Database of Ireland: This is a comprehensive management system for the placenames data, records and research of the State."

BENEFITS	LIMITATIONS
The best for finding Irish placenames – historical names, names in Irish and English etc.	No measurement or drawing tools
Includes some information for Northern Ireland	No geology
Provides lat-long of 'centrepoint'	No OSI 6" or 25" base layers
Polygons for most localities	
Shows choice of features with the same name	
Gives coordinates in ITM, Irish Grid and WGS84	

Best for finding places in Ireland – doesn't have the mapping functionality

logainm.ie

Centrepoint
(note - sometimes the centrepoint of a larger parent feature)

Centrepoint

⊕ 52.131, -10.4544

↕ latitude, ↔ longitude

IRISH GRID (WITH LETTER)

Q 31985 00466

IRISH GRID (WITHOUT LETTER)

31986, 100466

IRISH TRANSVERSE MERCATOR (ITM)

431972, 600523

API

Open data

Application programming interface (API)

API link

https://www.logainm.ie/api/v1.0/1394329

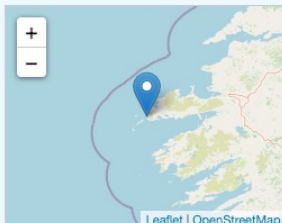Available under Creative Commons Attribution 4.0 International (CC BY 4.0) ↗
API key required to access data
More about the Logainm API

Linked Logainm

Formats: RDF | RDF N3 | RDF JSON | RDF XML

Operated by Digital Repository of Ireland ↗
More about Linked Logainm

Dún Chaoin/Dunquin

civil parish

COUNTY **Ciarraí**/Kerry
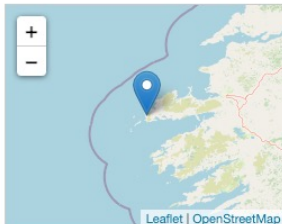BARONY **Corca Dhuibhne**/Corkaguiny

More

Dún Chaoin/Dunquin

electoral division

COUNTY **Ciarraí**/Kerry

More

Dún Chaoin/Dunquin

population centre

COUNTY **Ciarraí**/Kerry
BARONY **Corca Dhuibhne**/Corkaguiny
CIVIL PARISH **Dún Chaoin**/Dunquin
TOWNLAND **Baile na Rátha Thuaidh**/Ballynaraha North

More

Versions of the same name

Suggests similar placenames

Similar placenames · Drumquin · Dunbin · Dunedin · Dunguib · Dunmain · Dinin · Duncrun · Dundian · Dunsink · Dunurlin

Geohive

https://www.geohive.ie/

GeoHive

"Ireland's National Geospatial Data Hub. Search, view, and access the State's authoritative geospatial information via interactive map applications and data catalogues."

BENEFITS	LIMITATIONS
OSI Historic 6" and 25" base layers	Can't search for placenames (unless townland or Eircode)
GSI geology bedrock layers	Modern MapGenie base map lacks detail compared to OpenStreetMaps or Google
Add shapes and points	Can't edit or adjust shapes/points once drawn.
Measuring tool	No detail for Northern Ireland
Multiple coordinate systems (ITM, Irish Grid and WGS84)	

Great for the combination of bedrock Geology and historic OSI maps – but no useful search functionality, prepare to spend a lot of time zooming and scrolling.
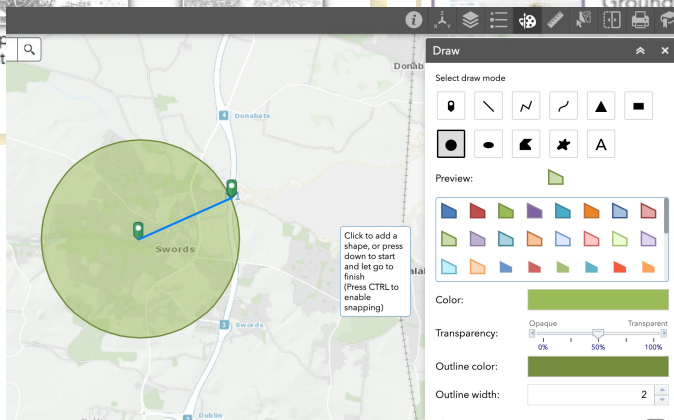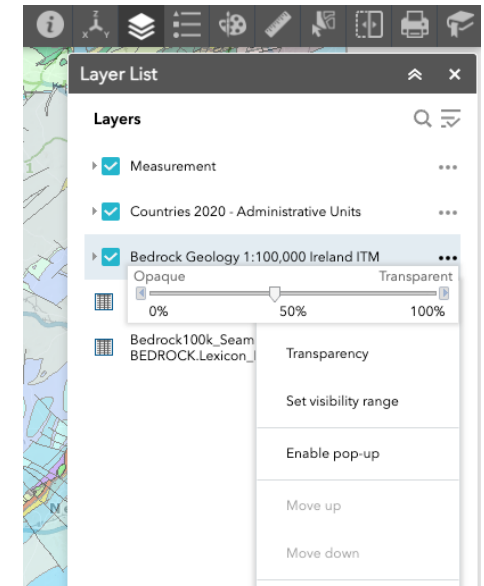
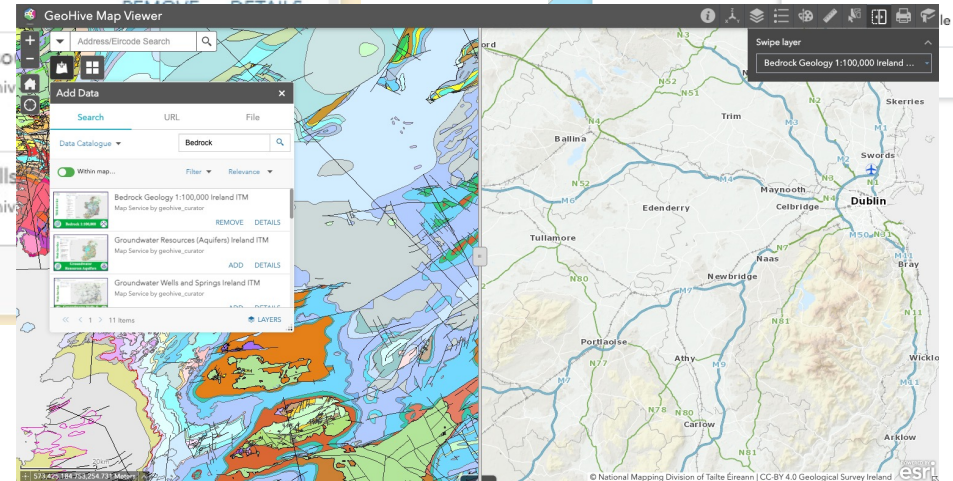Choice of basemaps. The most useful are the OSI 6" and 25" maps

Set layer transparency
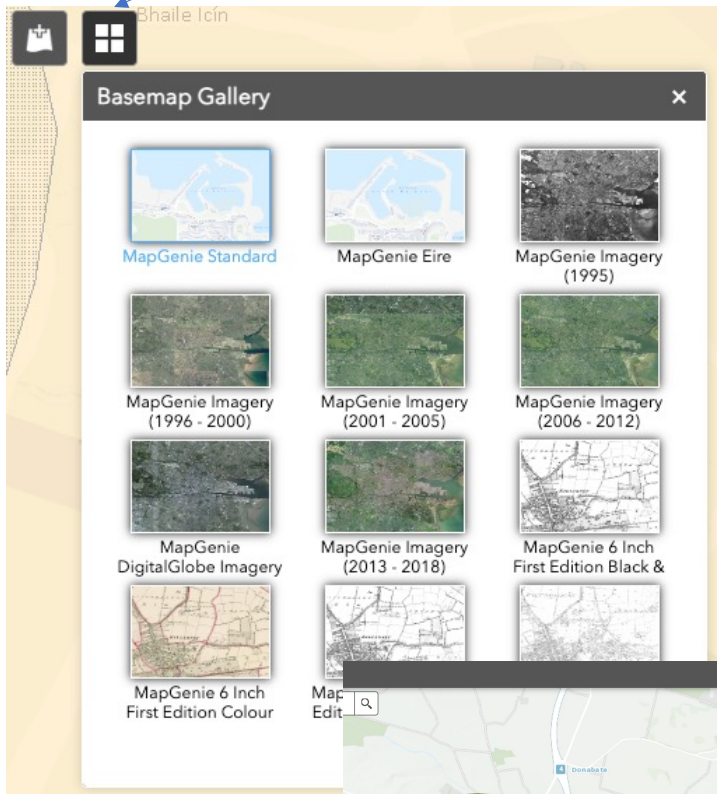
Choice of layers, including bedrock geology, active quarries, geological heritage
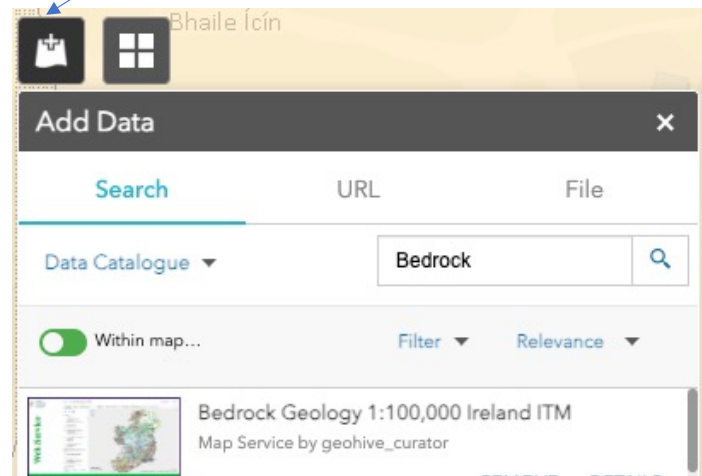
Draw and measure

Toggle between layer and base layer
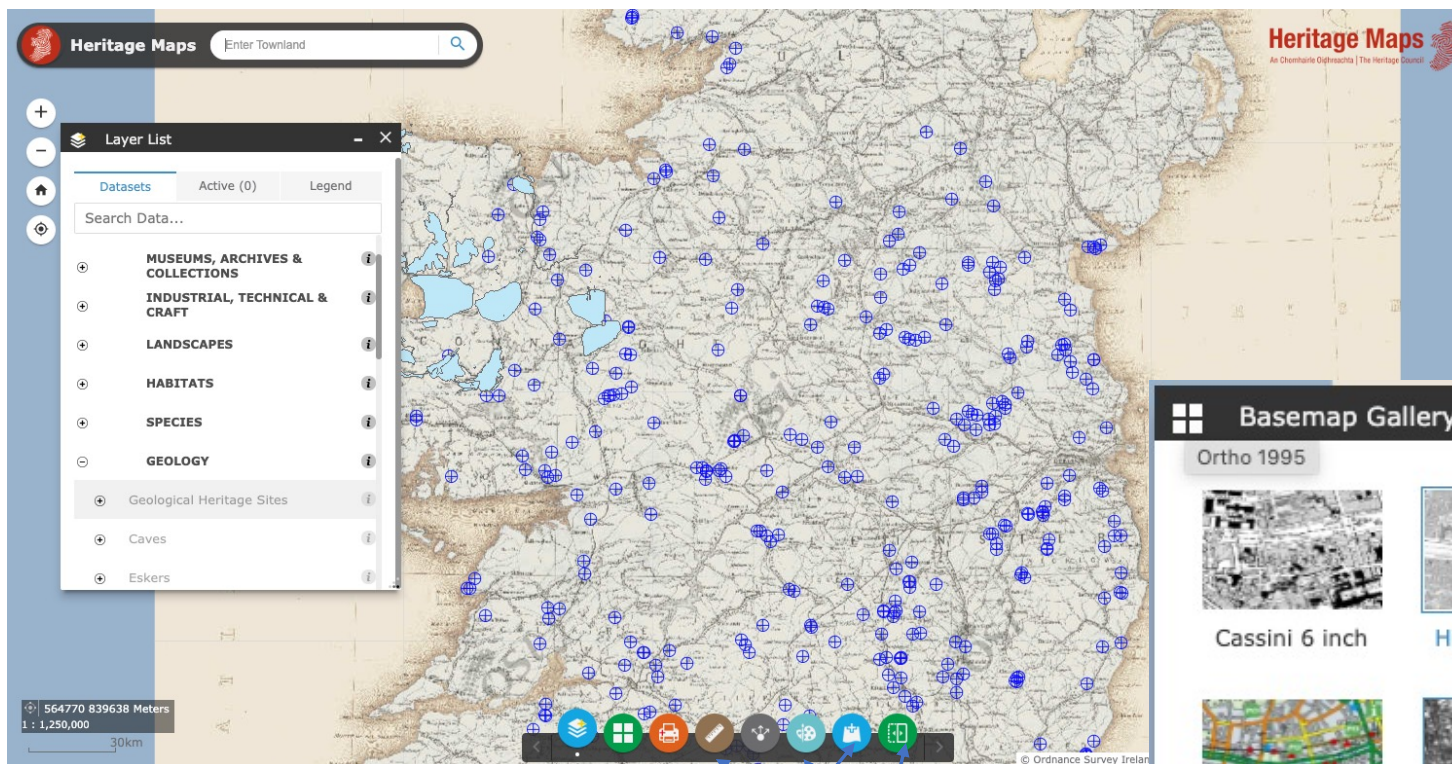
Heritage Maps

https://heritagemaps.ie/

"The Heritage Maps viewer is a web-based spatial data viewer which focuses on the built, cultural and natural heritage around Ireland and off shore. [...] Heritage Maps can be used to create customized maps, measure area and distance, identify points of interest and study local flora and fauna, as well as many other uses, both recreational and research-based."

| BENEFITS	LIMITATIONS
OSI 6" and 25" base layers	Search only by townland
OSI Discovery base layer	Can't edit or adjust shapes/points once drawn.
Geology bedrock layers	No detail for Northern Ireland
Can add shapes and points	
Measuring tool	
Multiple coordinate systems (ITM, Irish Grid and WGS84)	

Much the same as Geohive - but with some extra base layers which are useful. More focused on relevant resources (heritage, geology) and can therefore be quicker to navigate than Geohive.

HeritageMaps.ie
An Chomhairle Oidhreachta | The Heritage Council

Heritage Maps   Enter Townland

Layer List
Datasets   Active (0)   Legend
Search Data...
MUSEUMS, ARCHIVES & COLLECTIONS
INDUSTRIAL, TECHNICAL & CRAFT
LANDSCAPES
HABITATS
SPECIES
GEOLOGY
Geological Heritage Sites
Caves
Eskers

564770 839638 Meters
1 : 1,250,000
30km
© Ordnance Survey Ireland

Basemap Gallery
Ortho 1995

Cassini 6 inch   Historic 6 inch BW   Historic 6 inch CL   Historic 25 inch
OSi Discovery   Ortho 1995   Ortho 2000   Ortho 2005
OSi Ortho   Digital Globe   OSi Public

Historic OSI 6" color base layer
+ active layers of GSI Geological Heritage
Sites from Mayo (light blue) and Active
Quarries (dark blue)

Possible to add data – from online ArcGIS
libraries, or your own shapefiles/geojson etc.
(also available on Geohive)

Draw, measure
and toggle
between data
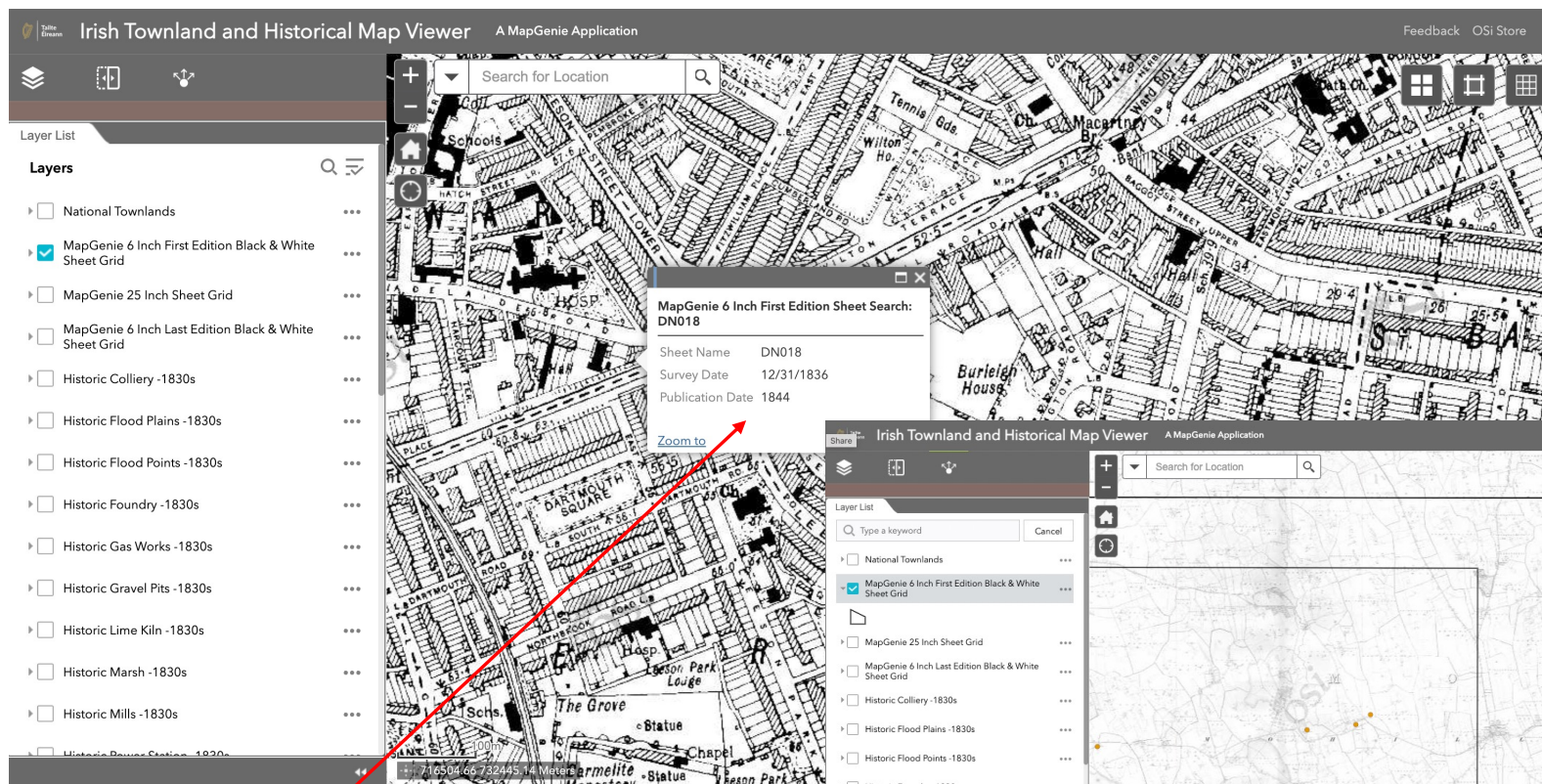layers and base
layer (as in
Geohive)
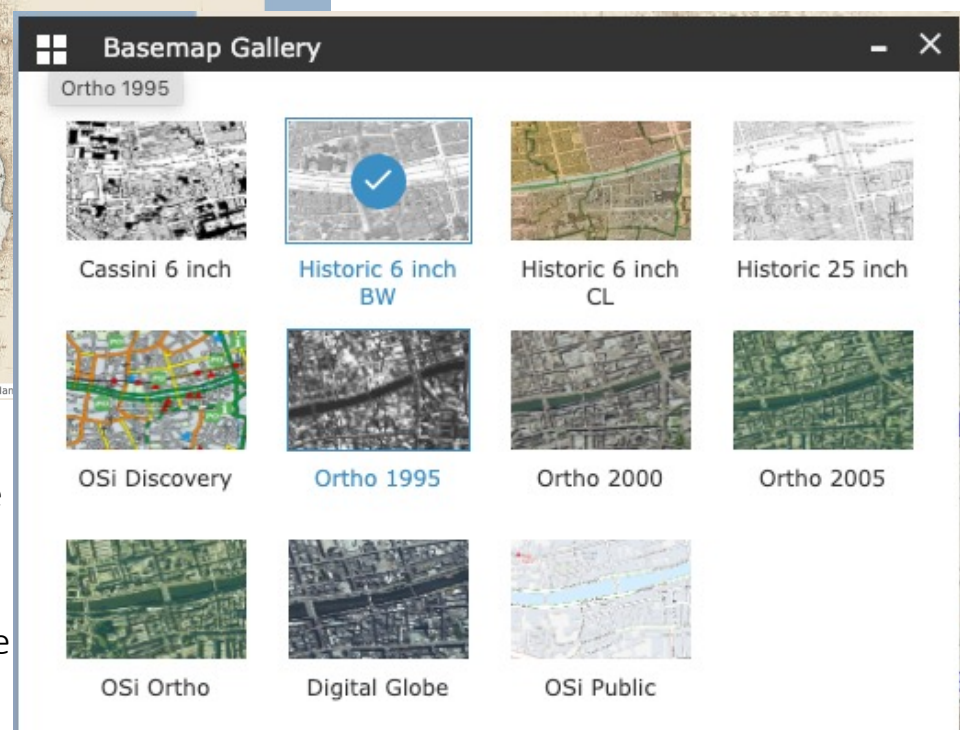
Base layers

Irish Townland and Historic Map Viewer

"For users particularly interested in OSi Historic Mapping, we have developed the Historic Maps & Townland viewer which enables users to search for Townlands, view historical features, and choose from a set of historical and current basemaps." https://osi.maps.arcgis.com/apps/webappviewer/index.html?id=bc56a1cf08844a2aa2609aa92e89497e&extent=715366.6263%2C731368.3537%2C715971.8619%2C731744.7243%2C2157

BENEFITS	LIMITATIONS
OSI 6" and 25" base layers	Search only by townland
Historic data layers (e.g., locations of Quarries from 1830s OSI maps)	Modern MapGenie base map lacks detail compared to OpenStreetMaps or Google
Additional metadata e.g., dates of survey and publication of historic map sheets	No measurements or drawing tools
	No detail for Northern Ireland
	No geology

Extra metadata available about base layers, and additional data layers which are not available elsewhere – but can't make measurements, and no geology layers.

Survey and publication date
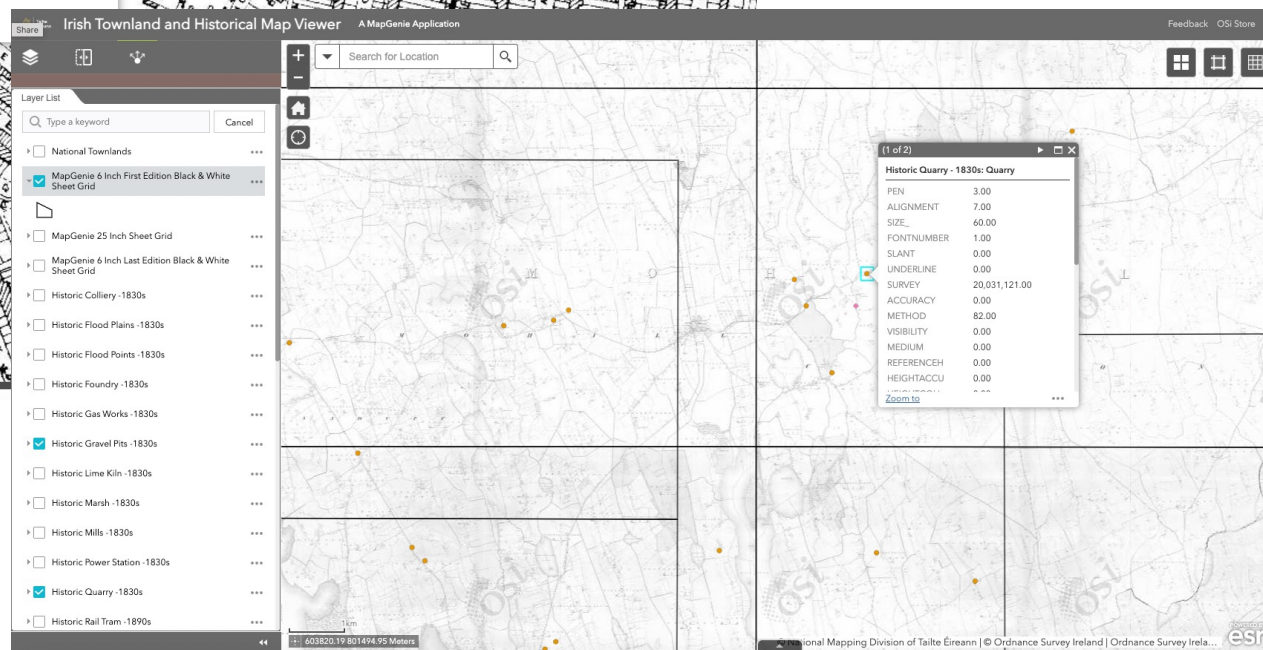
View including historic quarries and gravel pit layers, and 6" map sheet boundaries marked

Geolocate

https://www.geo-locate.org/web/WebGeoref.aspx

GEOLocate

"A Platform for Georeferencing Natural History Collections Data. The GEOLocate project is an effort to develop software and services for translating textual locality descriptions associated with biodiversity collections data into geographic coordinates."

BENEFITS	LIMITATIONS
Base layers include Google/OpenMaps	No Irish geology
Global (but best for United States)	Not great for Irish placenames/counties
Easy way to get the geographic radial	
Direct access through plugin for Arctos (and other natural history database software)	
Collaborative georeferencing possible	
Easy to measure and draw polygons	
Plots offsets	

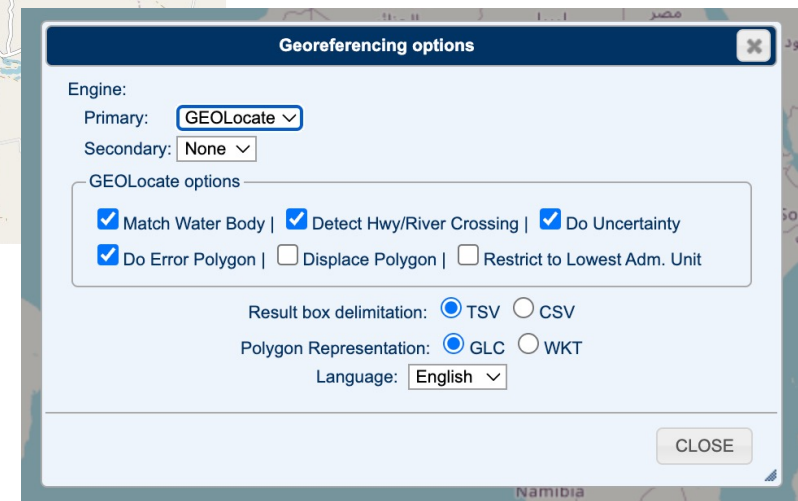Great for plotting a point measuring and getting the geographic radial - not ideal for Irish localities
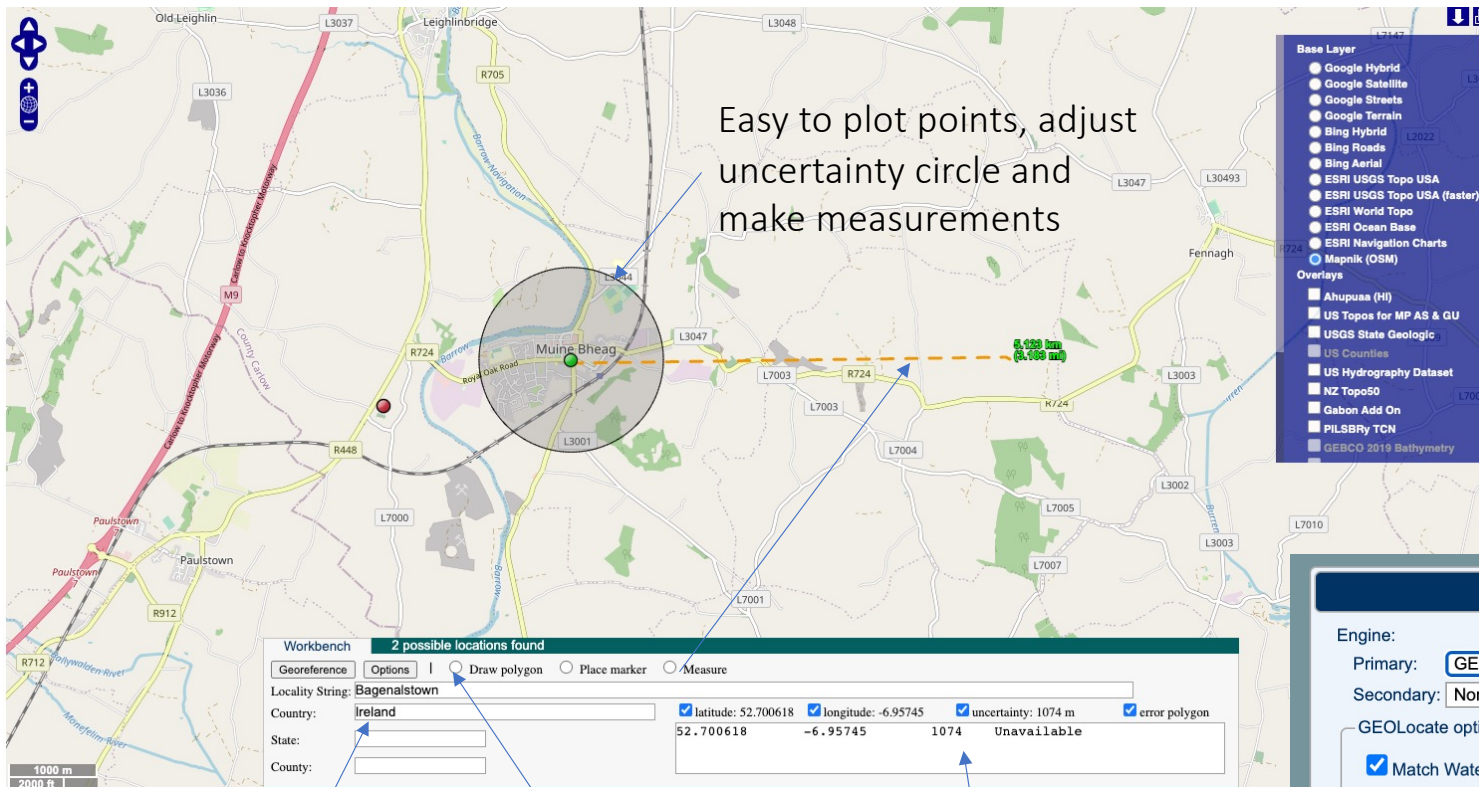
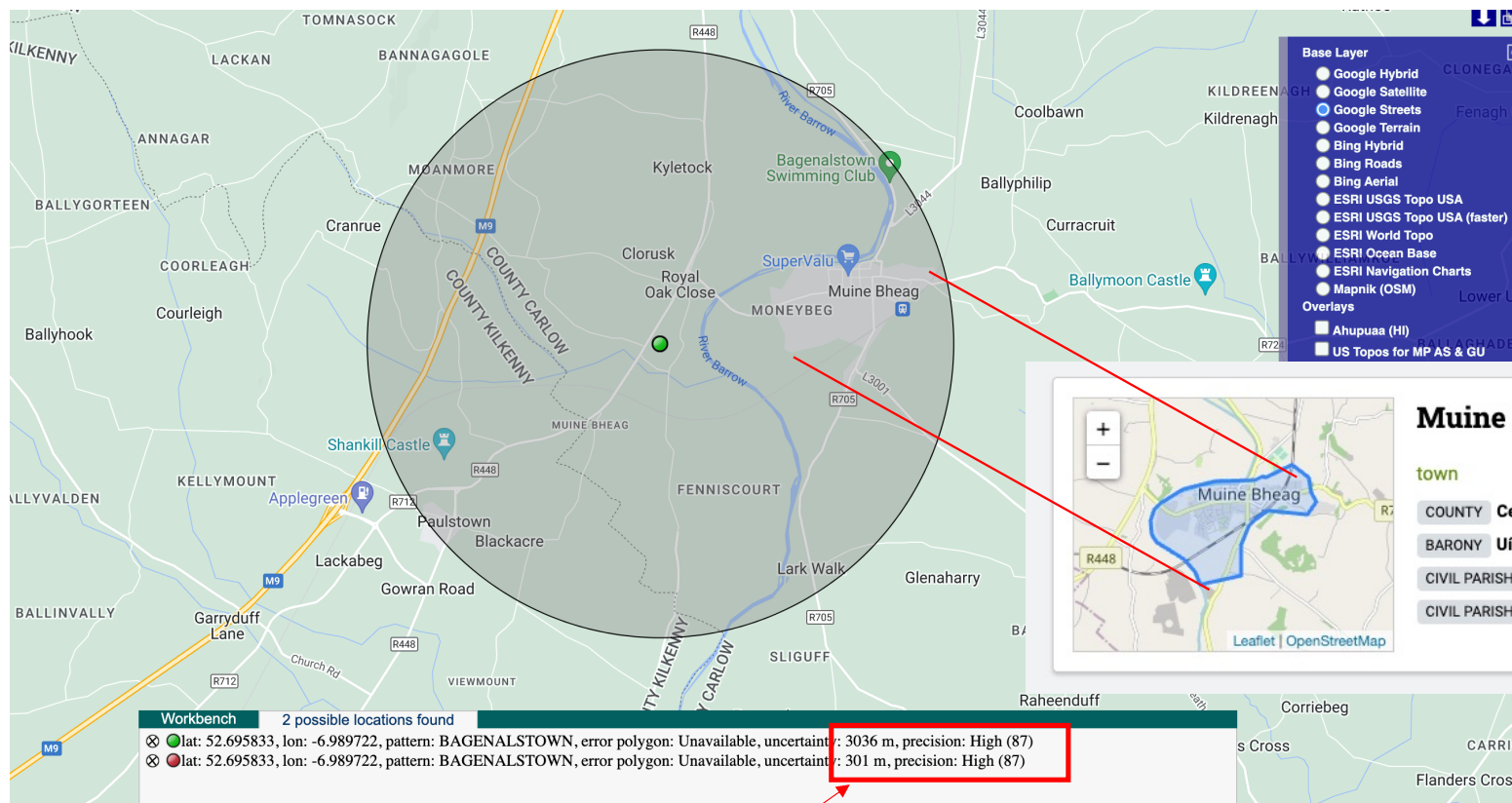Useful modern base layers, including google, bing and OpenStreetMaps

Easy to plot points, adjust uncertainty circle and make measurements

GEOLocate

Georeferencing by locality string

Easy to draw polygon

Easy to copy data into spreadsheets/database

Base Layer
- Google Hybrid
- Google Satellite
- Google Streets
- Google Terrain
- Bing Hybrid
- Bing Roads
- Bing Aerial
- ESRI USGS Topo USA
- ESRI USGS Topo USA (faster)
- ESRI World Topo
- ESRI Ocean Base
- ESRI Navigation Charts
- Mapnik (OSM)

Overlays
- Ahupuaa (HI)
- US Topos for MP AS & GU
- USGS State Geologic
- US Counties
- US Hydrography Dataset
- NZ Topo50
- Gabon Add On
- PILSBRy TCN
- GEBCO 2019 Bathymetry

Workbench   2 possible locations found

Georeference | Options | ○ Draw polygon ○ Place marker ○ Measure

Locality String: Bagenalstown

Country: Ireland   ☑latitude: 52.700618 ☑longitude: -6.95745 ☑uncertainty: 1074 m ☑error polygon

State: 52.700618   -6.95745   1074   Unavailable

County:

Georeferencing options

Engine:
Primary: GEOLocate ⌄
Secondary: None ⌄

GEOLocate options
- ☑ Match Water Body | ☑ Detect Hwy/River Crossing | ☑ Do Uncertainty
- ☑ Do Error Polygon | ☐ Displace Polygon | ☐ Restrict to Lowest Adm. Unit

Result box delimitation: ● TSV ○ CSV
Polygon Representation: ● GLC ○ WKT
Language: English ⌄

CLOSE

Logainm version of
Bagenalstown town

Workbench   2 possible locations found
⊗ ●lat: 52.695833, lon: -6.989722, pattern: BAGENALSTOWN, error polygon: Unavailable, uncertainty: 3036 m, precision: High (87)
⊗ ●lat: 52.695833, lon: -6.989722, pattern: BAGENALSTOWN, error polygon: Unavailable, uncertainty: 301 m, precision: High (87)

Most Irish localities require further research

Example: Bagenalstown (= Muine Bheag) as plotted by Geolocate – the point is close but doesn't correspond to either the townlands or the town with that name.

Note that **3036m** and **301m** are **default uncertainties**. All Irish counties are plotted with the default uncertainty of 3036m (which much smaller than the actual uncertainty).

Additional resources

Mindat

Latitude & Longitude (WGS84):	49° 45' 34" North , 13° 50' 6" East
Latitude & Longitude (decimal):	49.75953,13.83510
GeoHash:	G#: u2cg4f6qj
GRN:	N34E07
Type:	Mine
Köppen climate type:	Cfb : Temperate oceanic climate

Nearest Settlements:	Place	Population	Distance
	Zaječov	1,341 (2018)	1.7km NNE
	Olešná	405 (2018)	2.9km NW
	Těně	230 (2018)	2.9km WSW
	Jivina	170 (2018)	3.8km N
	Cheznovice	729 (2018)	4.2km WNW
Mindat Locality ID:	762		
Long-form identifier:	mindat:1:2:762:6		
GUID (UUID V4):	59a7e257-b4c6-434a-a726-d862aead28cd		

Hrbek Mine, Svatá Dobrotivá (St Benigna), Zaječov, Beroun District, Central Bohemian Region, Czech Republic ⓘ

This page is currently not sponsored. **Click here to sponsor this page.**

Photos Maps Search

1182   11716

Olešná   okres Beroun   Nová Ves   Dolní Kvaň   11719   Beran 685 m   11719   okres Rokycany   Jilní lípa

500 m
2000 ft

Leaflet | Localities mindat.org, Base map © OpenStreetMap

Dufrénite
Hrbek Mine, Svatá Dobrotivá, Zaječov, Beroun District, Central Bohemian Region, Czech Republic

Dufrénite
Hrbek Mine, Svatá Dobrotivá, Zaječov, Beroun District, Central Bohemian Region, Czech Republic

Beraunite
Hrbek Mine, Svatá Dobrotivá, Zaječov, Beroun District, Central Bohemian Region, Czech Republic

Google
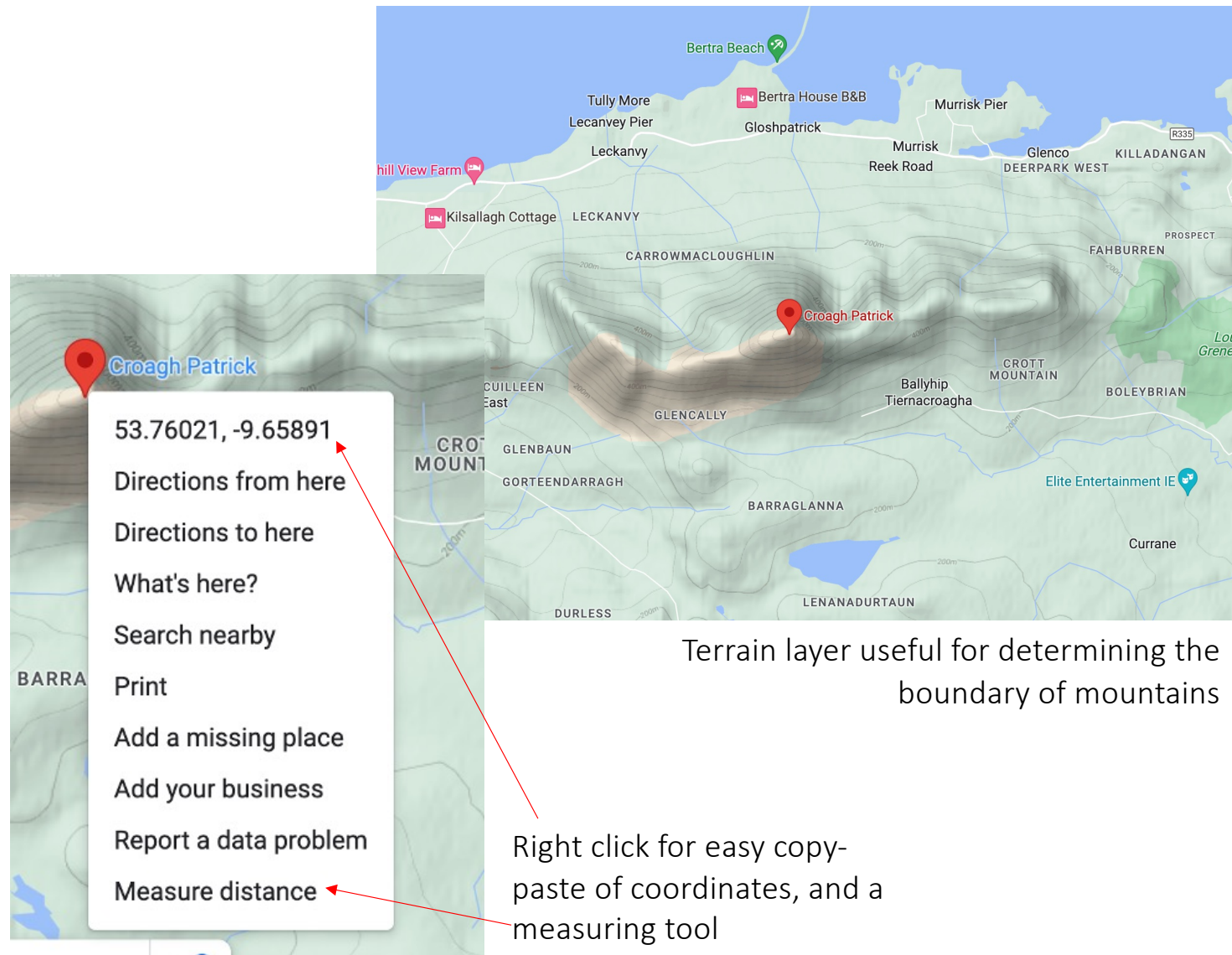
Terrain layer useful for determining the boundary of mountains

53.76021, -9.65891

Directions from here

Directions to here

What's here?

Search nearby

Print

Add a missing place

Add your business

Report a data problem

Measure distance

Right click for easy copy-paste of coordinates, and a measuring tool

OpenStreetMap

Edit ▼ | History | Export

GPS Traces User Diaries Communities Copyright Help About   Log In   Sign Up

Search   Where is this?   Go ↪

Map Layers ✕

Standard

CyclOSM

Cycle Map

Transport Map

Tracestrack Topo

ÖPNVKarte

Humanitarian

Enable overlays for troubleshooting the map

☐ Map Notes
☐ Map Data
☐ Public GPS Traces

Westport

Ummeraboy Strand

Annagh Island

White Strand

L5878

L1801

R335

Lecanvey

Murrisk

R335

200 m

600 m

400 m

764 m

510 m   487 m   400 m

559 m

200 m

Brackloon Woods

200 m

Owenwee River

N59

Leenaune Road

Lough Nacorra

1 km
3000 ft

© OpenStreetMap contributors. Tiles courtesy of Tracestrack. Website and API terms

Geological Survey Ireland

Geological layers. Most of the same GIS layer data can also be accessed through Geohive/Heritagemaps, which have the added advantage of the OSI baselayers
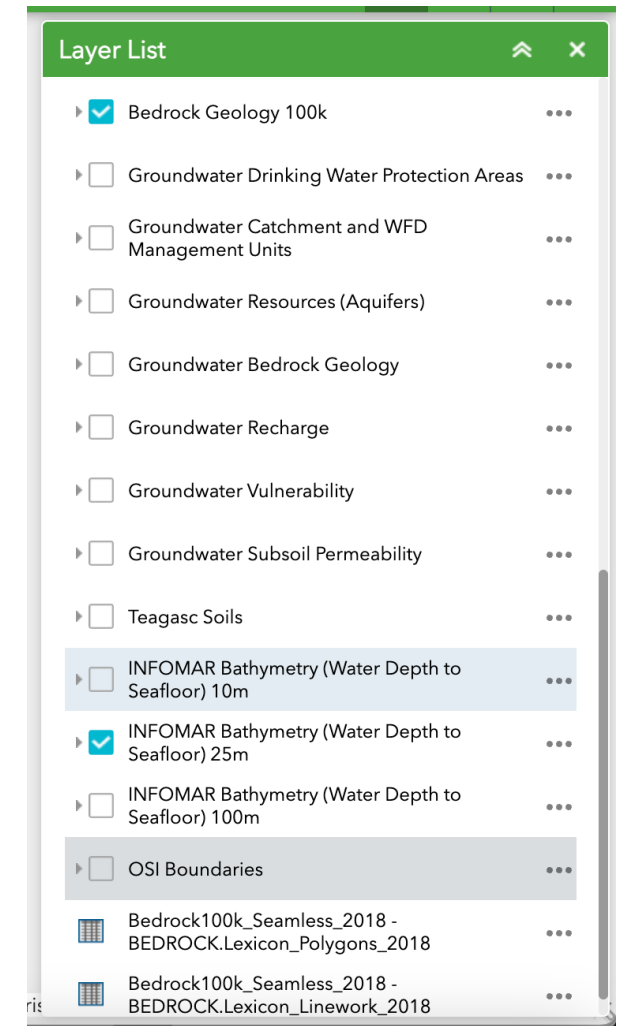
TOWNLANDS.ie

Irish townlands (baronies, parishes…)

Includes Northern Ireland

Links with OpenStreetMap and Logainm

Irish Townlands

Search for a townland, civil parish, barony, electoral division or county

Search 🔍

Based on data in OpenStreetMap, here is a list of counties in Ireland.

Click on each county to see baronies, civil parishes and townlands in the respective county.

This page should be updated (roughly) daily. The OpenStreetMap community is adding more data regularly. See how much we have done and how much we have left to do, how long it'll take us to finish

☰ Alphabetical index of townlands

Ireland

328 baronies, 2,509 civil parishes, 4,563 electoral divis

Counties

- Antrim. 14 baronies, 81 civil parishes, 136 electo
- Armagh. 6 baronies, 43 civil parishes, 70 elector
- Carlow. 7 baronies, 48 civil parishes, 54 electora

Leaflet | Map data © OpenStreetMap contributors
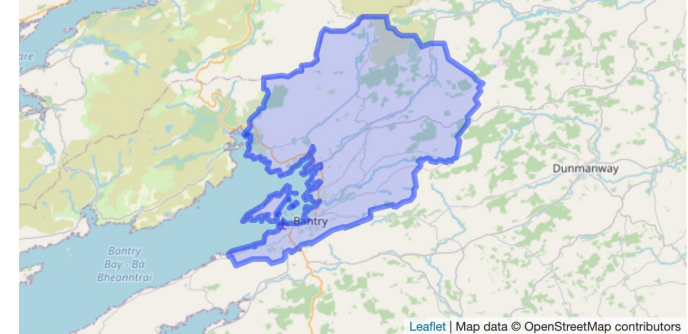
Area

Bantry has an area of 239.7 km² / 59,229.0 acres / 92.5 square miles

Civil Parishes

There are 2 civil parishes in Bantry.

- Durrus (28 townlands)
- Kilmocomoge (204 townlands)

Townlands

There are 195 townlands that we know about in Bantry. This represents 100% of all the area in Bantry.

- Abbey (*An Mhainistir*) , Kilmocomoge Civil Parish, Barony of Bantry, Co. Cork 33 A, 1 R, 23 P
- Ahil Beg (*An Achaill Bheag*) , Kilmocomoge Civil Parish, Barony of Bantry, Co. Cork 261 A, 0 R, 32 P
- Ahildotia (*An Achaill Dóite*) , Kilmocomoge Civil Parish, Barony of Bantry, Co. Cork 144 A, 3 R, 1 P
- Ahil More (*An Achaill Mhór*) , Kilmocomoge Civil Parish, Barony of Bantry, Co. Cork 496 A, 1 R, 5 P
- Ardaturrish Beg, Kilmocomoge Civil Parish, Barony of Bantry, Co. Cork 411 A, 2 R, 35 P
- Ardaturrish More, Kilmocomoge Civil Parish, Barony of Bantry, Co. Cork 466 A, 2 R, 30 P

NORTHERN IRELAND - PRONI Historical Maps

https://apps.spatialni.gov.uk/
PRONIApplication/
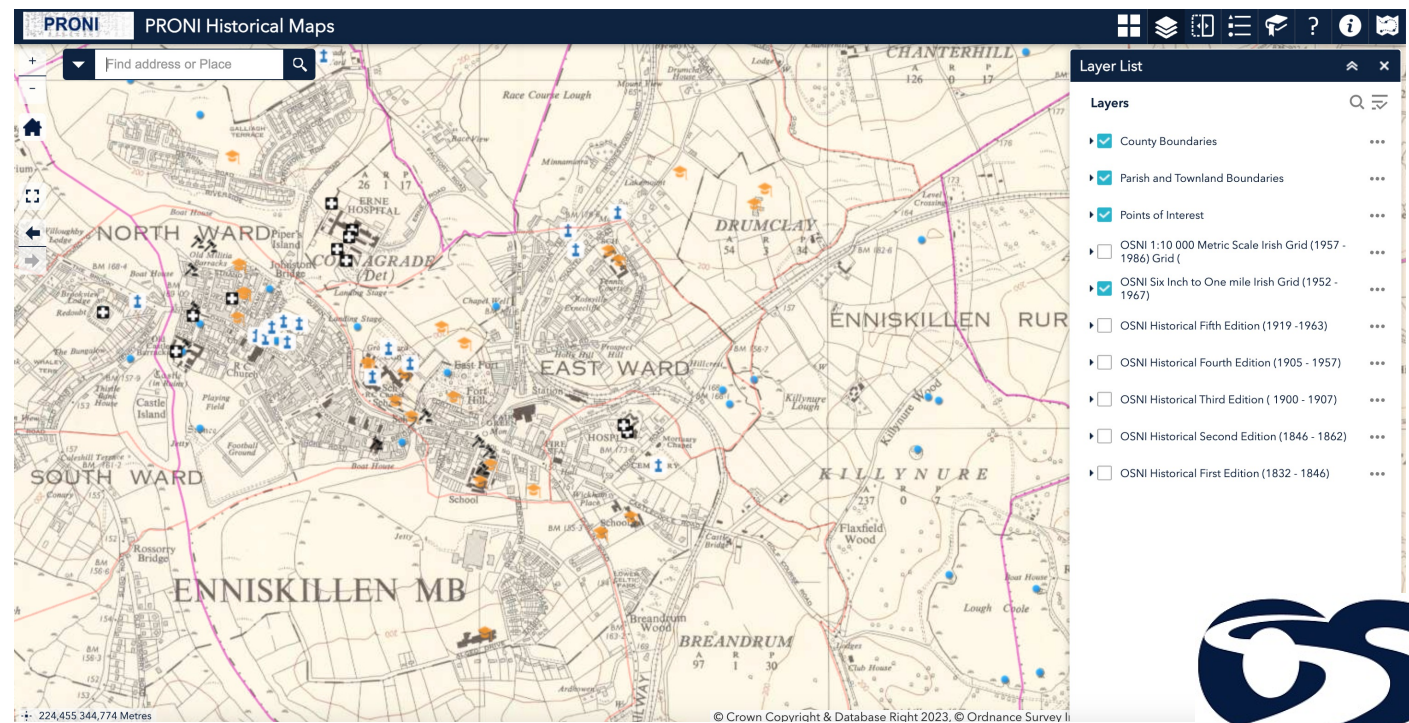
NORTHERN IRELAND – GSNI Bedrock Geology

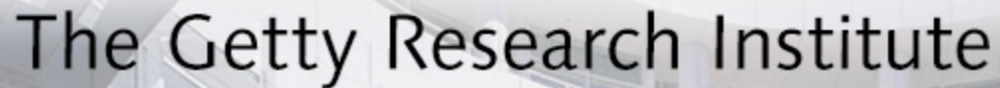https://mapapps2.bgs.ac.uk/GSNI_Geoindex/home.html
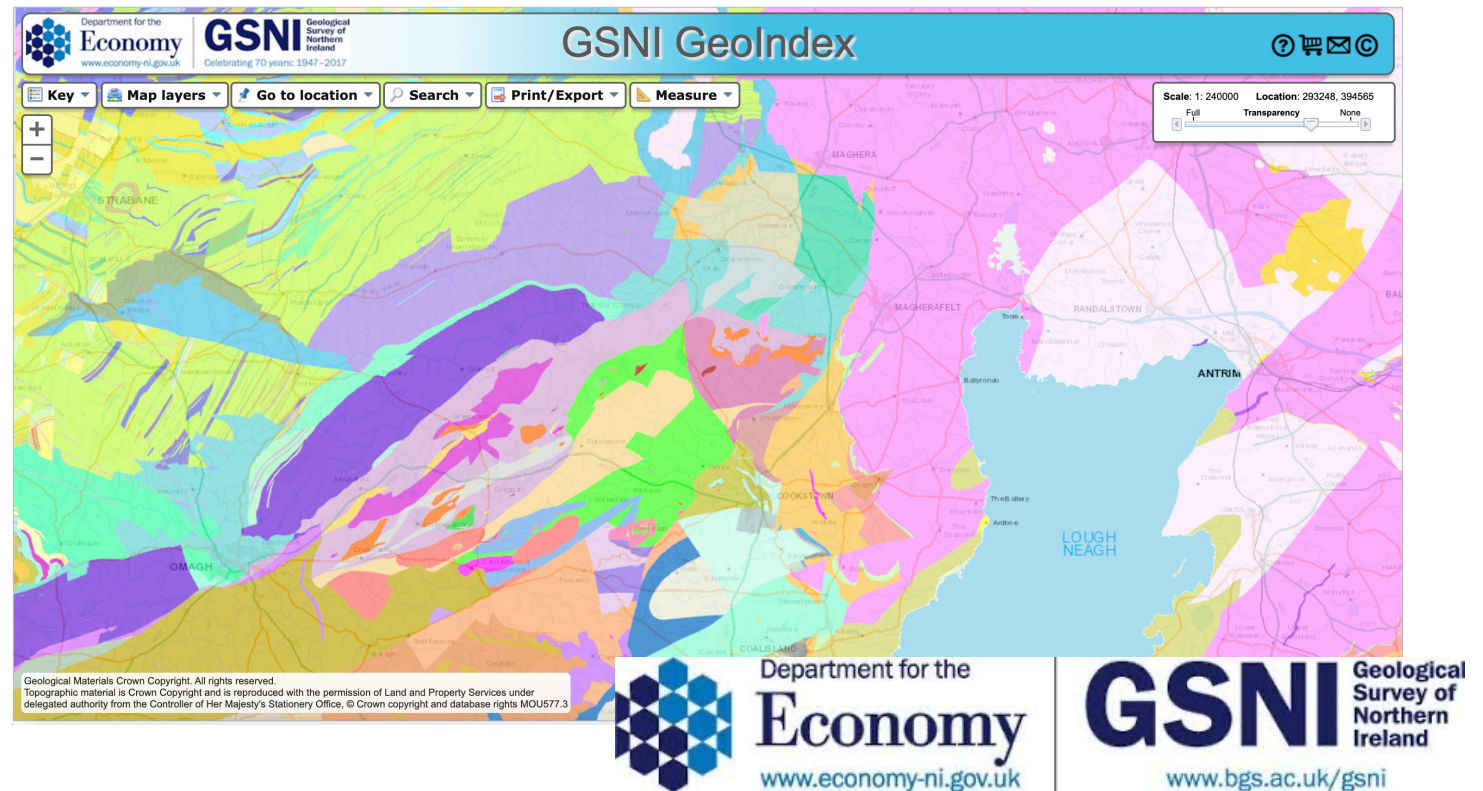
GeoNames

The GeoNames geographical database covers all countries and contains over eleven million placenames that are available for download free of charge.

https://www.geonames.org/

The Getty Research Institute

https://www.getty.edu/research/tools/vocabularies/tgn/index.html

GADM maps and data

GADM provides maps and spatial data for all countries and their sub-divisions. You can browse our maps or download the data to make your own maps.

MAPS   DATA   ABOUT

"GADM wants to map the administrative areas of all countries, at all levels of sub-division. We provide data at high spatial resolutions that includes an extensive set of attributes."

DAVID RUMSEY Map Collection

Welcome to the David Rumsey Map Collection. Here you can explore maps through a variety of viewers. Read the Blog to learn more about collection highlights, such as Urbano Monte's manuscript world map from 1587. Visit the physical collection at the David Rumsey Map Center at the Stanford University Library. Or take a virtual tour of the Map Center, which hosts events such as the recent Barry Lawrence Ruderman Conference on Cartography : Indigenous mapping.

The historical map collection has over **126,000 maps and related images online**. The collection includes rare 16th through 21st century maps of North America, South America, Europe, Asia, Africa, Australia, Antarctica, the Pacific, the Arctic, and the World. The online map collection is a searchable database that allows you to make your own journeys into spatial representations of the past. Here you can see the history of cartography through primary sources from 1500 into the 21st century.

NEW: Random Browse the collection (desktop and tablet only). 250 images at a time. Refresh the link to see 250 more. We invite you to get pleasurably lost.
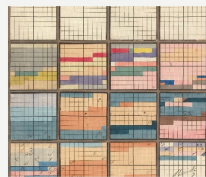
Views	Timelines	Aerial Photographs
Automobile Maps	Composite Maps	Airlines
Mountains Rivers	Space	Manuscript
Climate	Ethnographic	Ottoman Maps
World	The Americas	Celestial
Maritime	U.S. Civil War	Antarctica
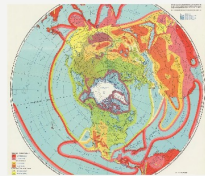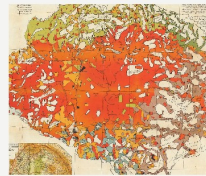
Historical maps
Flexible searching
New! search text on maps

https://www.davidrumsey.com/
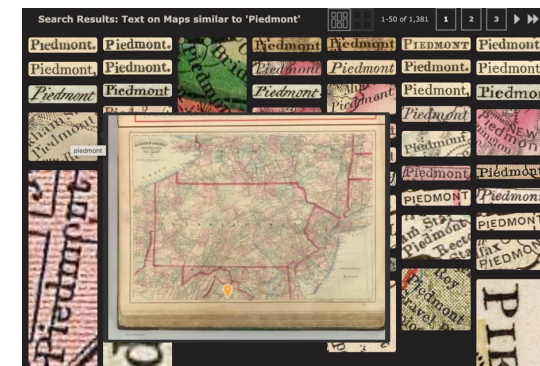
Fuzzy Gazetteer

Useful for mis-spellings, uncertain handwriting etc.

Falling Rain

Navigate through countries, alphabetical –
very useful if you know the start of the word

https://www.fallingrain.com/world/