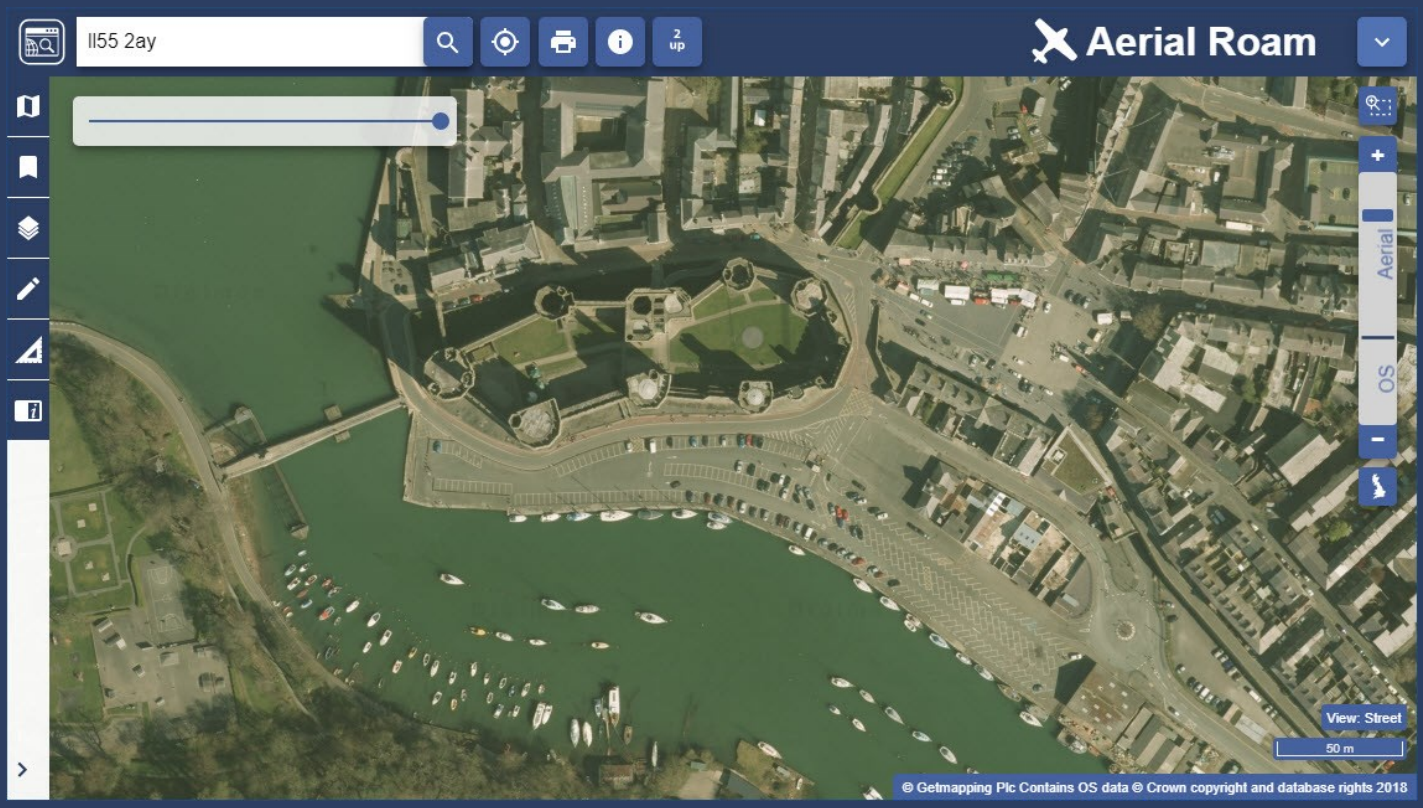
Digimap®

https://digimap.edina.ac.uk

ROAM USER GUIDE



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WHAT IS ROAM?

Roam is a Digimap tool that lets you view, customise and print maps. There is a separate Roam for each Digimap collection. All Roams work in the same way, but some collections offer additional Roam features, to help you view or identify features of the map data.

THIS GUIDE

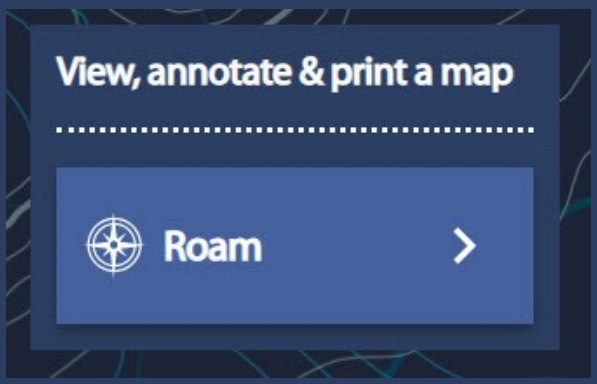
This User Guide details all features of Roam.

By the end you will be able to view, customise and print maps, add your own data to maps and identify information about maps and map features.

For a shorter guide to help you get started with Roam, see our Getting Started Guide.

LOGIN

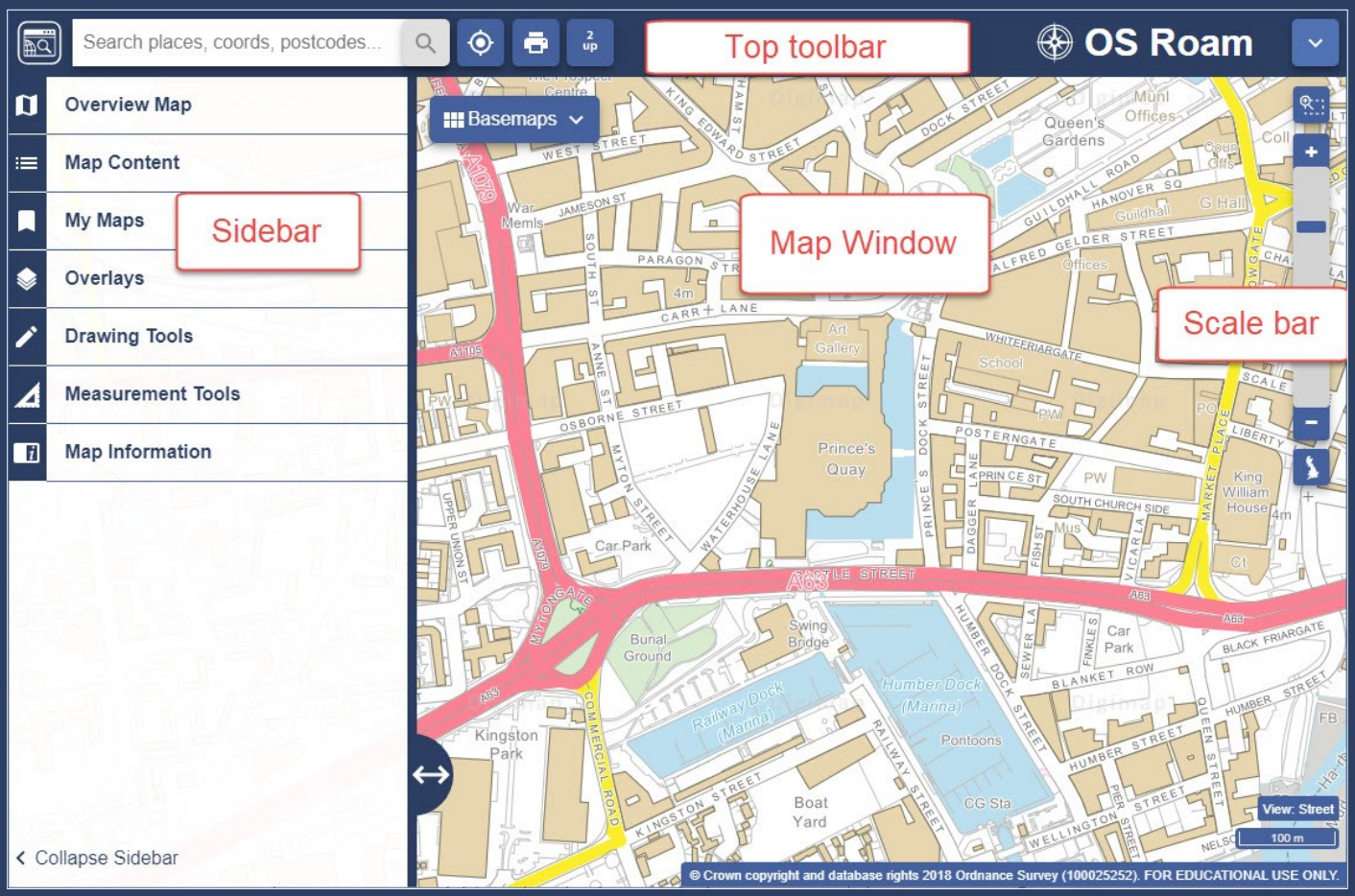
1. Login at https://digimap.edina.ac.uk
2. Select your collection.
3. Select Roam.



MAP WINDOW

Maps are displayed in the map window. You can zoom in and out and move the map around.

The scale bar, on the right of the map window, is one method for zooming in and out of maps.



Find your location

- Double click or double tap on the map to zoom into your location, or
- Click plus on the scale bar to zoom in, or
- Search using the search box.

Browse maps

Roam offers a range of maps, displayed at different scales. Zoom in and out to see what's available:

Zoom in:

- Double click or double tap.
- Select the plus sign + on scale bar.
- Use the plus sign + on your keyboard.
- Move mouse scroll wheel forward.
- Draw a box with the zoom tool above the scale bar.

Zoom out:

- Click minus sign – on the scale bar.
- Use the minus sign – on your keyboard.
- Move mouse scroll wheel backward.

Move around

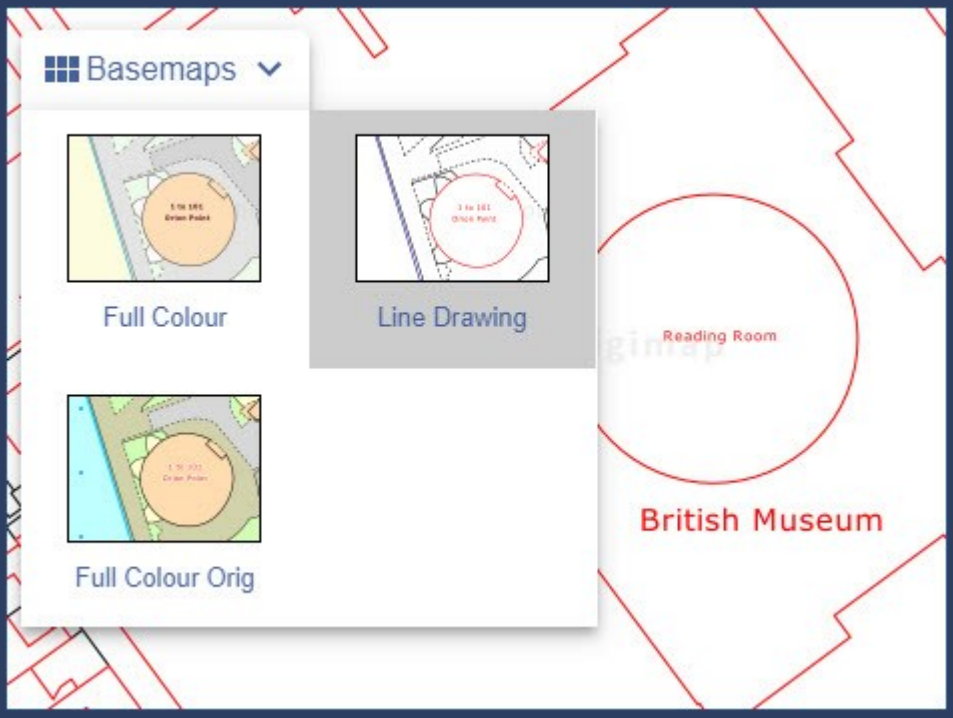
- Click/touch and drag the map in any direction to move around.

Basemaps

Several collections offer different basemaps at selected scales.

These may be the same map data presented in a different cartographic style, or a map with different features that is suitable for display at your current scale.

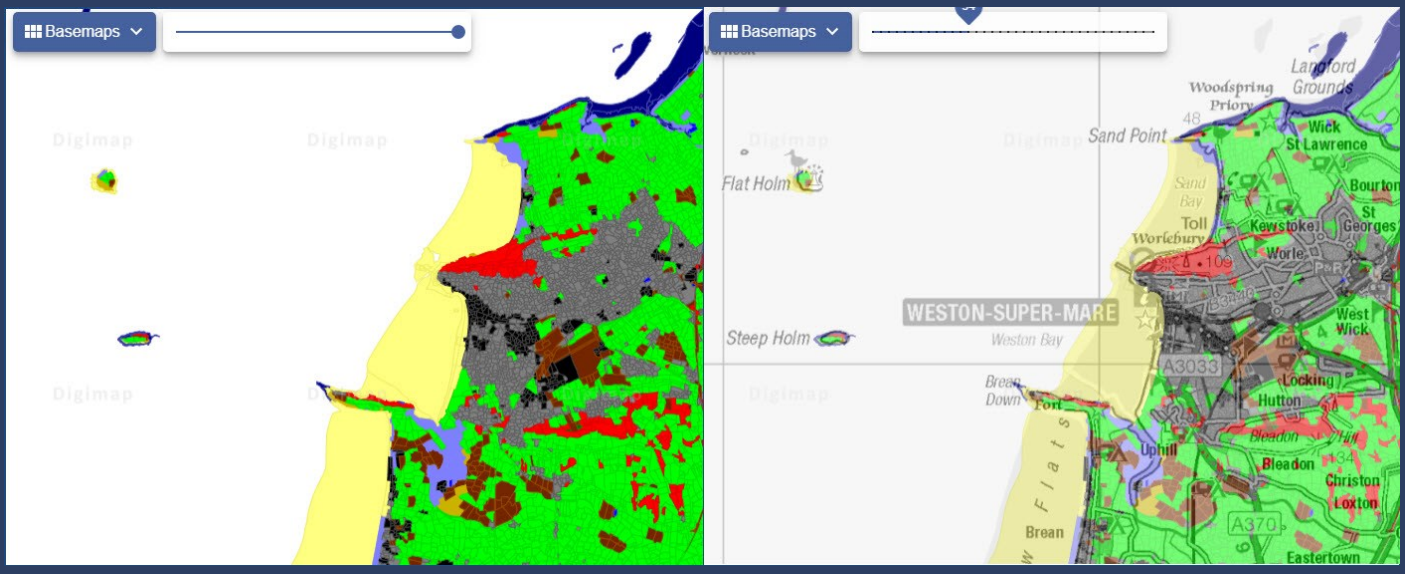
1. Select the Basemaps button on the map window.
2. Select any Basemap you want to view.
3. Your map will update with your selected Basemap.



Transparency slider

Some collections offer a transparency slider on the map window. By moving the slider left or right, you can adjust the map display. For example, you could choose not to see any background map and only see the environment mapping. Two images are shown below for comparison.

1. Just drag the transparency slider left or right to try it out.



Timeline

Only found in Historic Digimap, the timeline allows you to select a decade and view the available maps from that time period.

As you zoom in and out of the historic maps, remember there is a wide range of different scales and dates available. Not every town or county was surveyed every decade, so you may find there is not coverage for your area of interest at the scale you want in a particular decade.

In the image below, we are viewing a 1900s map of Sheffield.

1. Find your location.
2. Zoom in to a historic map.
3. The timeline above the map window activates.
4. Select any highlighted decade to view a map from that decade. If the decade is greyed out, there are no maps available at this scale.
5. Remember the highlighted decades will keep changing as you zoom in or out.
6. Get the text: 'no historic maps of this location are available…'? You need to zoom in/out or switch decade.

TIP: In larger towns and cities, keep zooming in! There may be Town Plan maps available. These were highly detailed maps, produced between 1840s and 1930s.

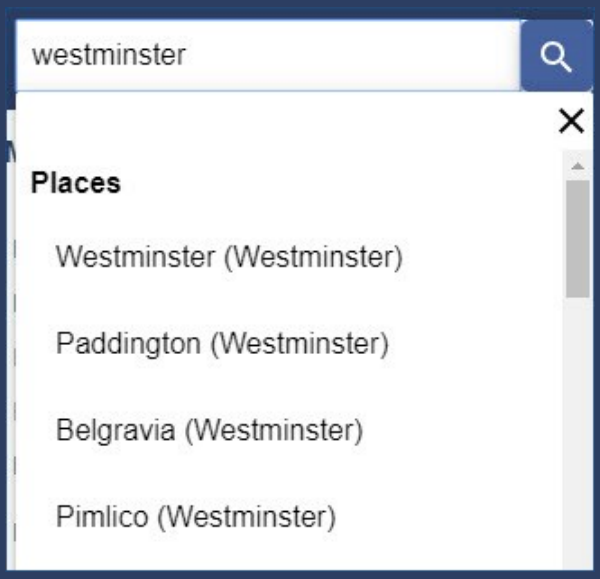
TOP TOOLBAR

- The Search box is available on the top toolbar.
- Print is another key option available here.
- Other options vary between collections.

Search box

The search box is found in the top toolbar at the left.

1. Enter search term: place name, full or partial postcode, grid reference, easting & northing or latitude & longitude.
2. Select magnifying glass icon.
3. Select your place from the list.
4. Your map is centred on your place.



Print

The print menu is available on the top toolbar. Generate a PDF/JPG/PNG for printing at a range of scales.

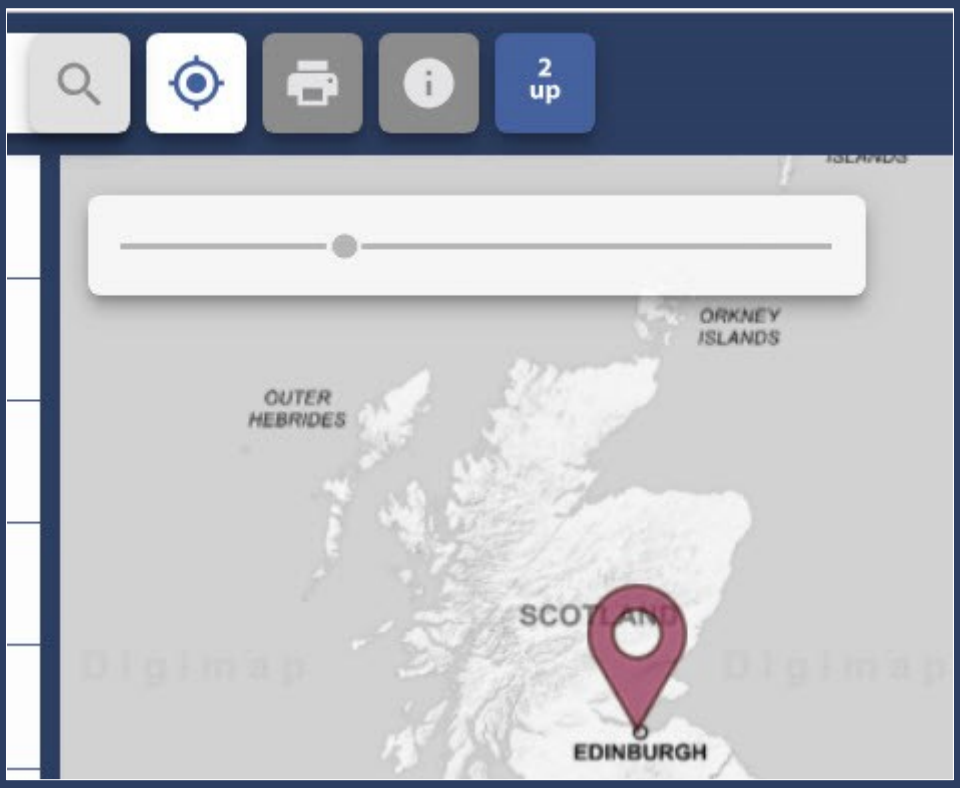
1. Open the Print menu, found on the top toolbar.

2. A default print scale is given. You can choose a different scale – just type it in the box. Your scale must lie within the scale range given.
3. Layout Preview – select this tab above the map to see what area your map covers. Can be useful in determining the right print scale.
4. Add a title (optional).
5. Select format, page size and layout.
6. Additions - optional:
    a. You can include your name from your Digimap account registration. If you choose not to include your name, your department, institution and the date of printing are included.
    b. Annotations – if selected, this will include any drawings you have added to your map.
    c. National grid lines – British National Grid lines will be added to your map.
    d. Hill shading – add the 3D terrain data to your map.
    e. Legend – this is provided as a separate PDF file.
7. Select Generate Print File to download your file.

NOTE: when you print your map, make sure you choose to print at 'actual size'. If you choose the 'fit to page' option that is offered by many print tools your map scale will change.

Locate position tool

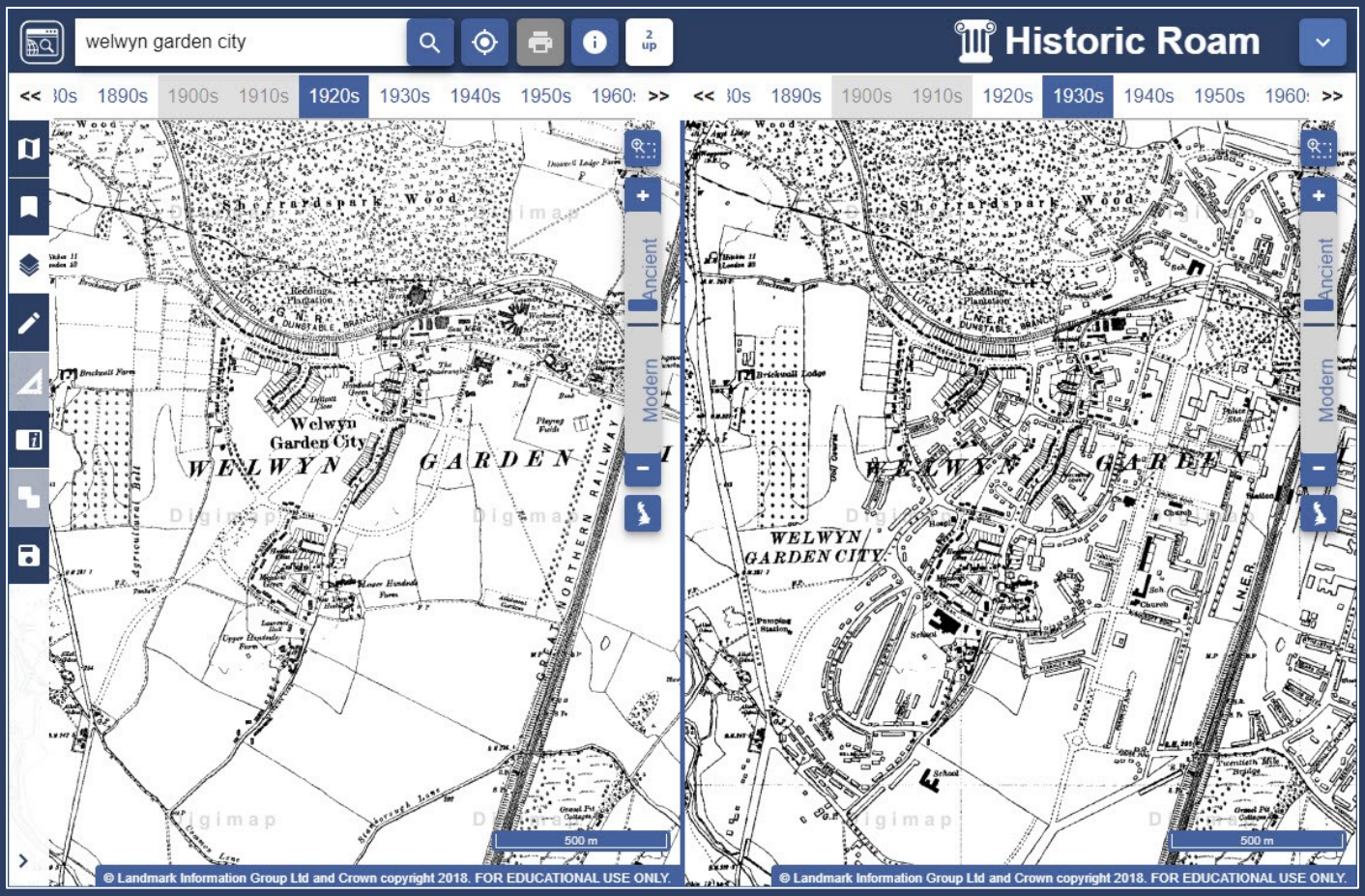
The locate position tool, found on the top toolbar, will zoom your map to your current geographical location and place a marker of your location on the map.



Compare two maps

Several collections offer 2up view on the top toolbar, which enables you to compare 2 maps side by side.

1. Find your location.
2. Select the 2up button from the top toolbar.
3. Collapse the Sidebar.
4. You should be able to see the same map in the 2 map windows.
5. Now you can select a different map to view, either on the right or the left.
    a. In Historic, use the timeline to select two decades of your choice. You can use the double arrow at the left and right of each timeline to move along it.
    b. In Ordnance Survey, Geology and Environment Roam you can select a different basemap for comparison.
    c. In Marine Roam, you can change the map content on one map for comparison.
    d. In Aerial Roam, you can move the transparency slider on one map for comparison.
6. Select 2up again to view one map.

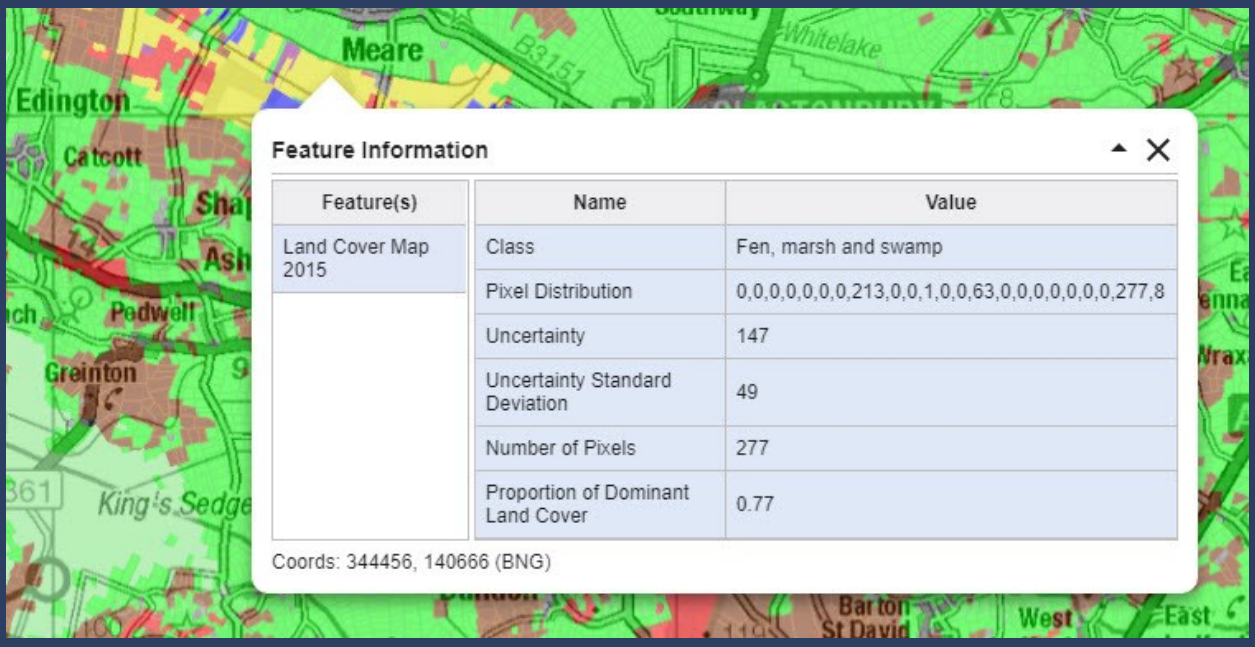


Feature information tool

Several collections offer a Feature Information Tool, found on the top toolbar. It identifies different features (or map information) in different collections. The table below tells you what the tool identifies in different collections.

	Geology	Historic	Aerial	Environment	Marine Roam
What is identified?	Varies by basemap – rock type, soil, flooding indicator or permeability information.	Details of the historic map(s) on display: map series, scale, edition, county/town and year of publication.	National Grid reference and the date of the aerial imagery.	Class from the Land Cover map on display, e.g. arable and horticulture.	All features from Marine Themes Vector data identified at that point, select from a table.

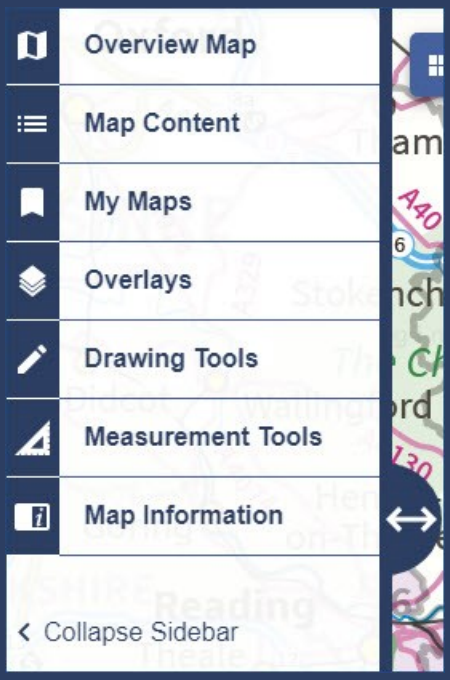
1. Select the information icon from the top toolbar.
2. Select the feature on the map you want to identify.
3. A box will pop up displaying feature or map information.



SIDEBAR

Several options are available in the sidebar, on the left.

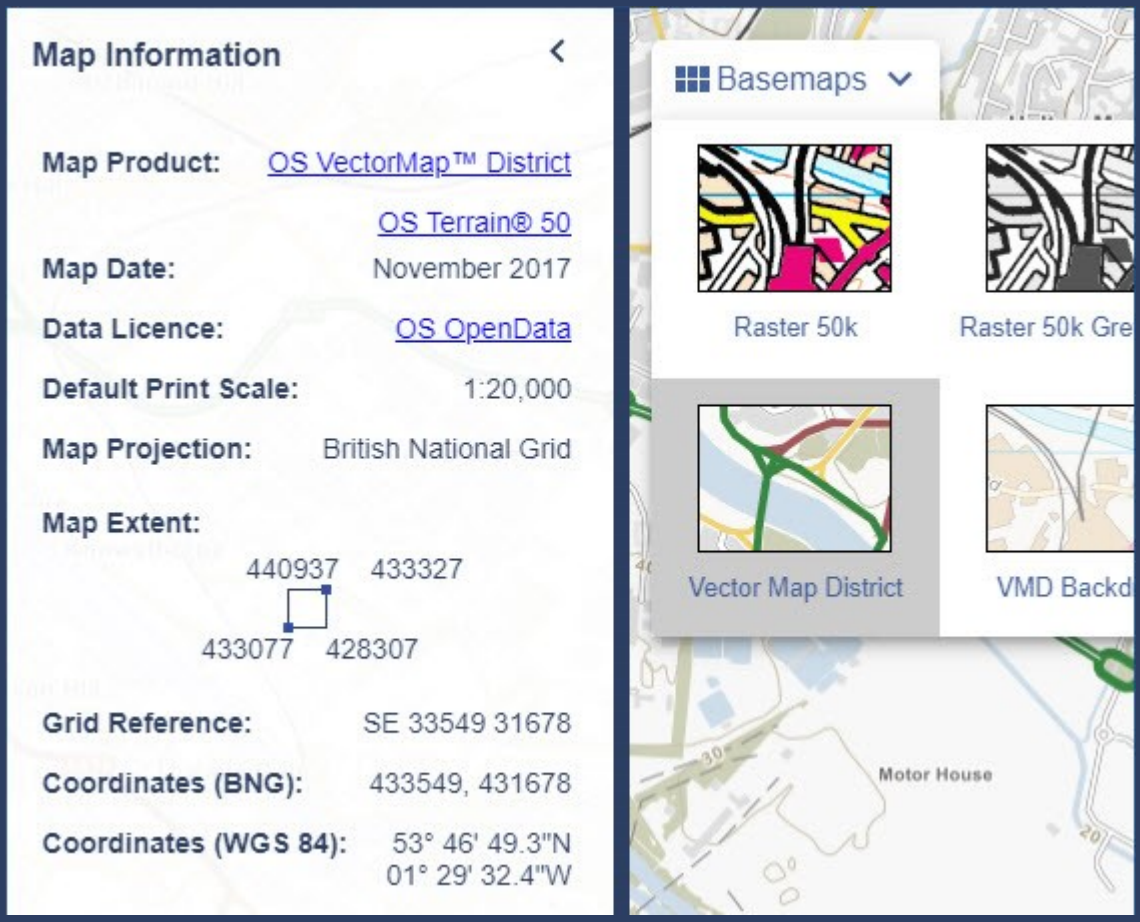
- Select Collapse Sidebar to hide it and display more map.
- Move the double arrow left or right to change the width of the sidebar.



Map information

Select Map Information in the sidebar to find information on the map you are viewing. Available fields vary between collection but will typically include:

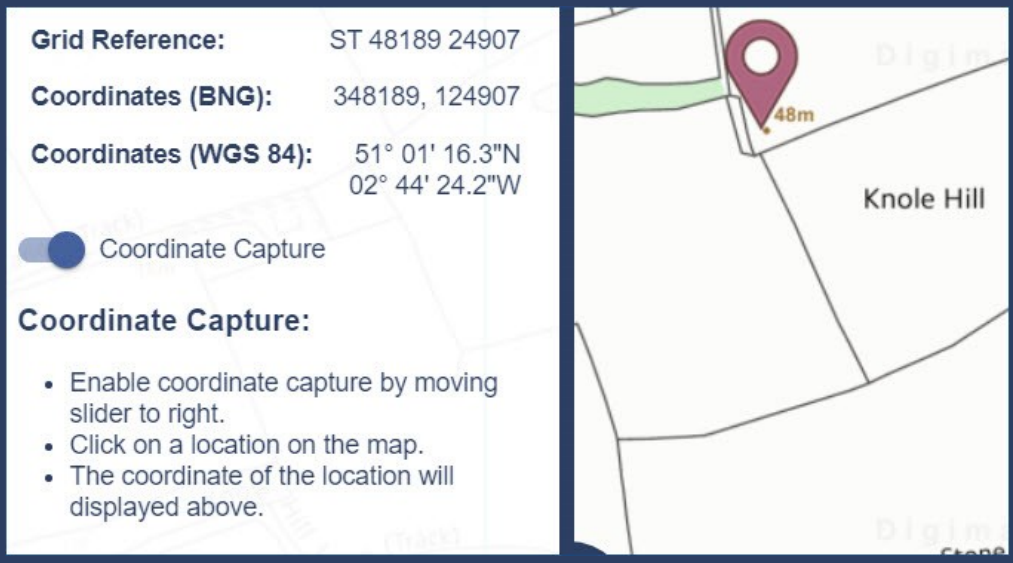
- The name of the map you are viewing.
    - NOTE: In Historic Digimap, the name of the map on display is available through the feature information tool.
- Default print scale.
- The date of publication.
- Map projection, such as British National Grid.
- The grid reference, the British National Grid coordinates and the latitude and longitude for your current position.



Coordinate Capture Tool

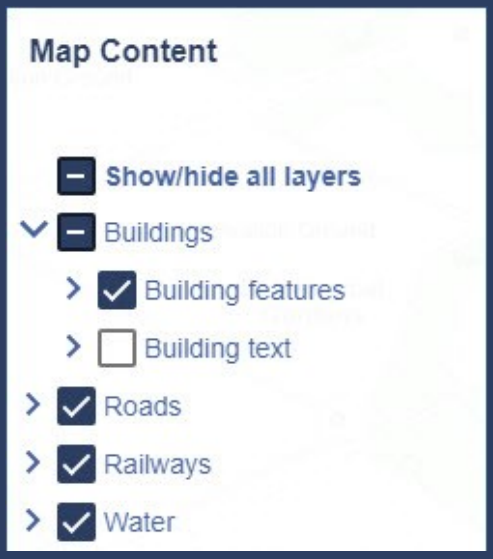
You can capture geographic coordinates for a specific point on your map,

1. Select Map Information.
2. Move the Coordinate Capture tool slider to the right.
3. Select a location on the map.
4. The coordinates are displayed in the Map Information window and a marker is placed on the map.
5. You can copy and paste the text from the Map Information window if you need to save the coordinates.



Customise map content

In several collections, you can choose what features to display on the map.



1. Select Map Content from the sidebar.
2. Uncheck any box to remove those features from your map.
3. Select the arrow left of any box to view the features in that group.

TIP: 'This view has no layer selection' means you can't select map features (because of the type of map data on display). Try a different Basemap to see if feature selection is available.

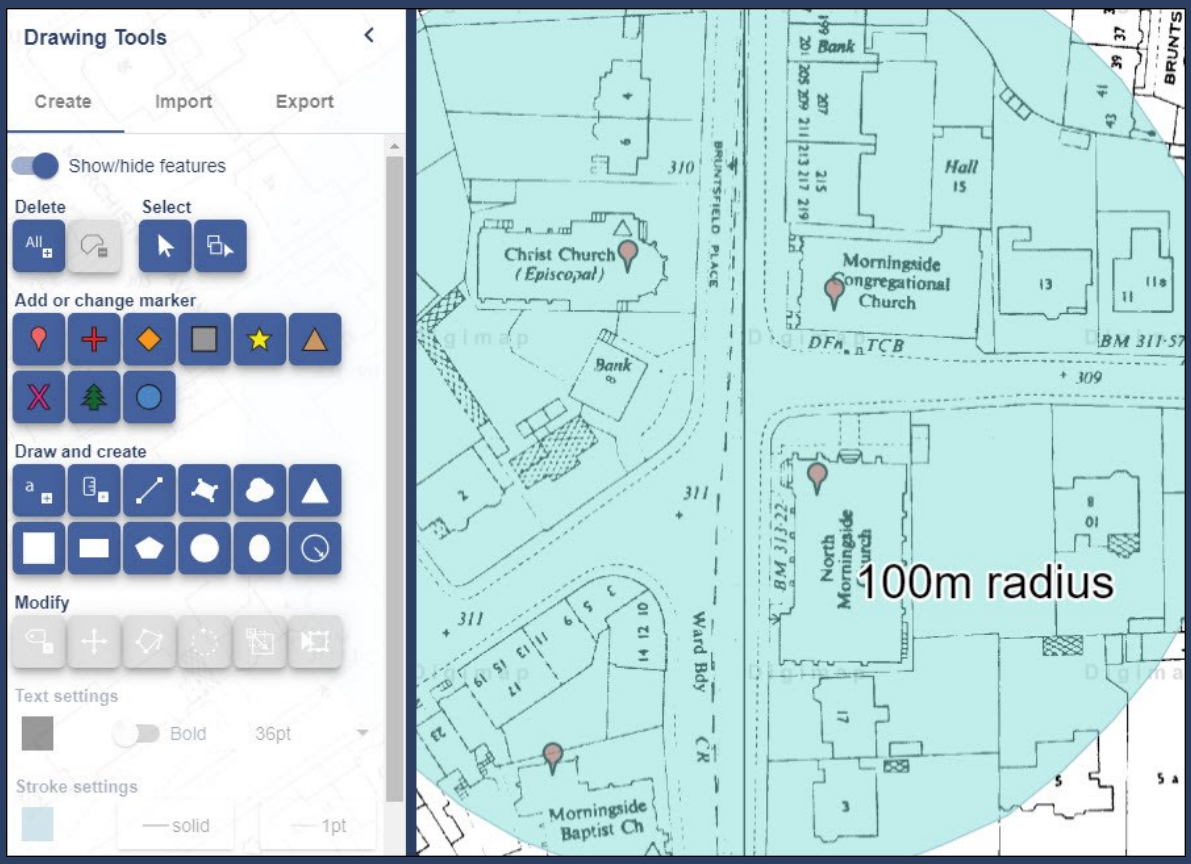
Drawing tools

You can add text, markers, pre-defined shapes and polygons to your map.

Create drawings

1. Select Drawing Tools from the sidebar.
2. There are 3 tabs: create, import and export.

3. On the create tab, you can:
    - Add markers – select any symbol, click on the map where you want to place it.
    - Text – select the Place Standalone label button, choose your text colour and size, click on the map, type your label and select OK.
    - Lines and polygons – select the relevant button, choose your fill and stroke colours. Click on the map to start drawing – click once at each point and double click to finish.
    - Shapes – select the shape, choose your fill and stroke colours. Click once to start drawing, then drag the mouse to draw and rotate your shape.
    - Buffers – select the buffer tool and choose a point or line buffer.
        - Enter the radius of your buffer – a dropdown menu lets you choose between metres, kilometres or miles.
        - Line buffer? Draw your line on the map.
        - Point buffer? Click or tap on the map at the point you wish to be at the centre of your buffer.
4. Select an individual feature with the Select arrow or a group of features with the Select box tool. A selected feature is highlighted in yellow.
5. Delete all features with the Delete All button.
6. Delete selected features with the Deleted selected features button.
7. Modify features – you can add measurement labels, move, scale, rotate and transform features with the tools in this menu.



Export drawings

You can export your drawings in file formats that are compatible with GIS software.

1. Select the Export tab.
2. Select your format choice; Shapefile, KML or GeoJSON.
3. Name your file.
4. Select Export.

Import drawings

You can import drawings. This option may be useful if you've collected geographic data and wish to display it on your map. Your file must be in one of the following formats; Shapefile (in zip), KML, GPX, CSV or GeoJSON.

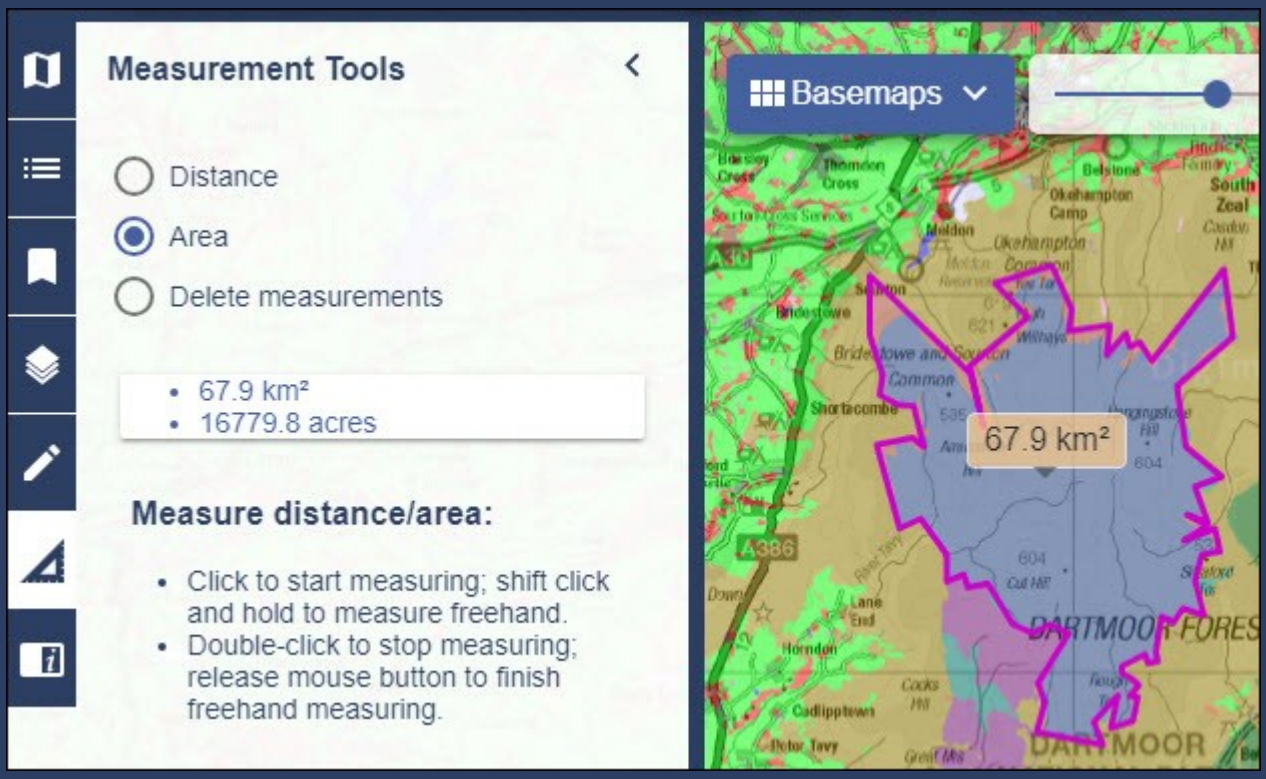
1. Select the Import tab.
2. Select Choose File.
3. Navigate to your file location on your device.

4. Select Open.
5. Select import to display the data on your map. NOTE: if your data is CSV format, you will be asked to identify which of the columns in your file are the X and Y coordinates.

Measure

Our Measurement Tools, in the sidebar, let you measure the distance or area of any map feature.

1. Select Measurement Tools on the sidebar.
2. Choose Distance or Area.
3. Click or tap once on the map to start measuring.
4. Click or tap at each point of your line or area.
5. Double click or tap to finish measuring. The total distance or area measurement is displayed in the measurement tools area and on your map.
6. Measurements can be deleted using the Delete measurements button.



Measurement labels

You can add measurement labels to any lines or shapes that you add with the drawing tools. You will find this option in the Modify area of the Drawing Tools.

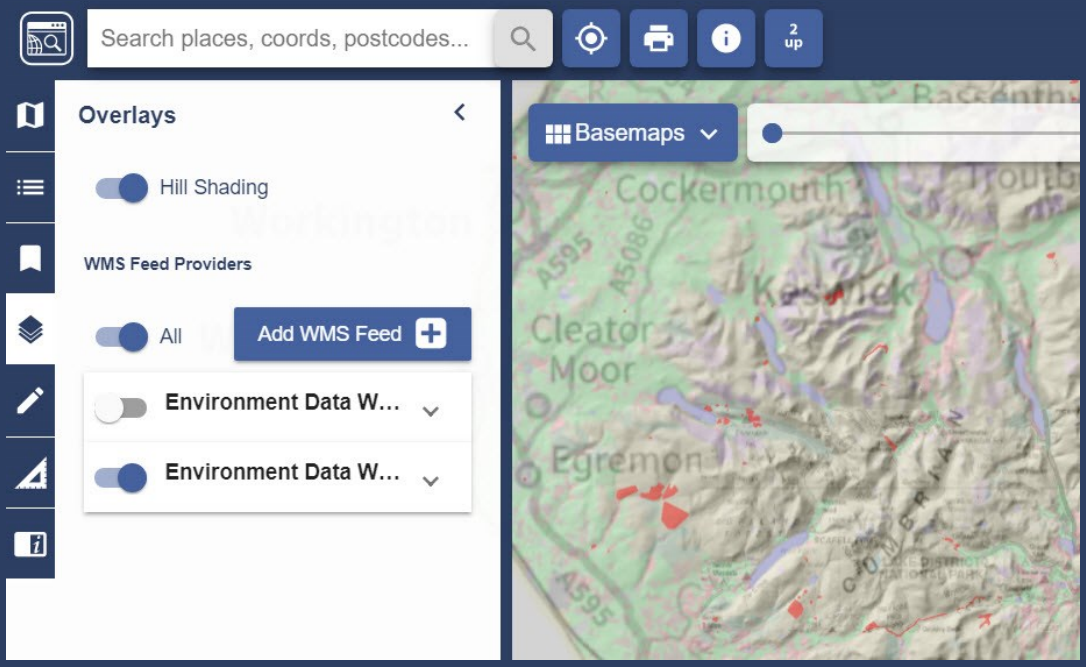
Save and open maps

1. Select My Maps from the sidebar.
2. Save – to save your map and drawings, enter a name and Select Save.
3. Open – just select any map you have previously saved, to display it in the map window.

Add hillshading

You can select to add a 3D terrain backdrop to your maps in Roam, to give a clearer idea of the terrain in your area.

1. Select Overlays from the sidebar.
2. Toggle the Hill Shading button on – if it's blue it is on!
3. You may have to zoom in/out to see the 3D backdrop. It's most effective when you are zoomed out and in higher areas.



Add map data

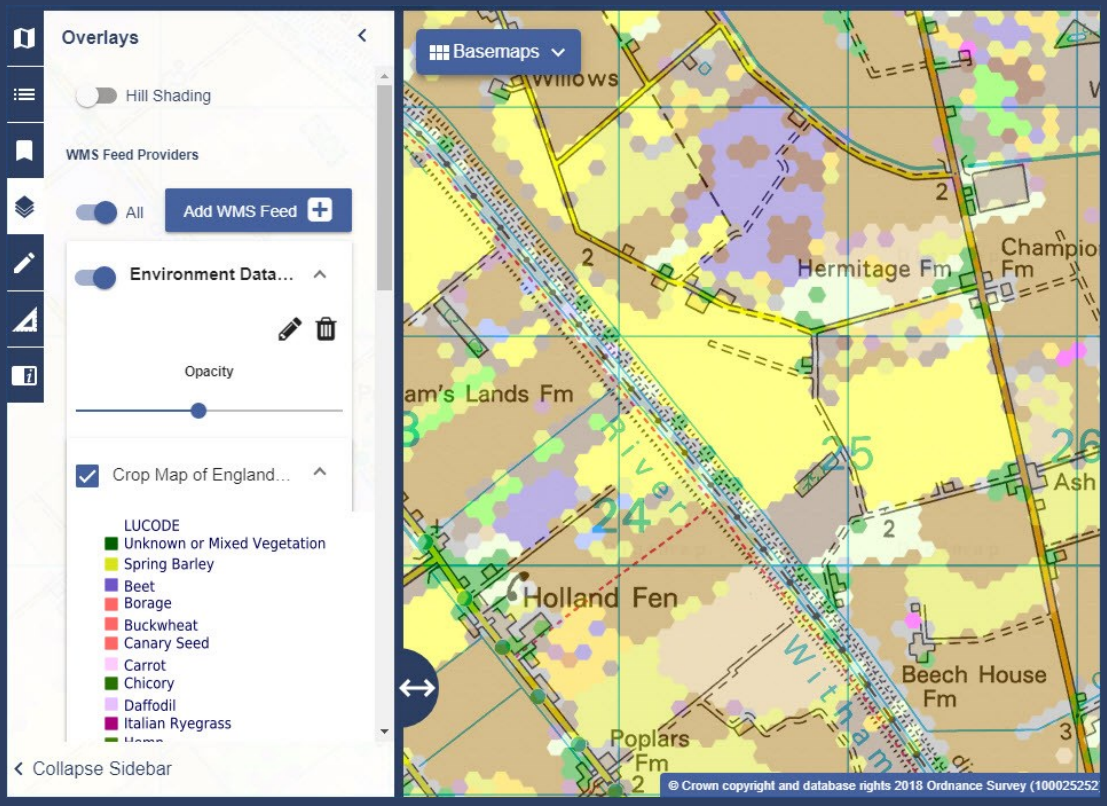
There are 2 ways to add data into Roam.

Import a file

1. Select Drawing Tools, then Import.
2. Compatible formats are Shapefile, KML, GPX, CSV and GeoJSON.

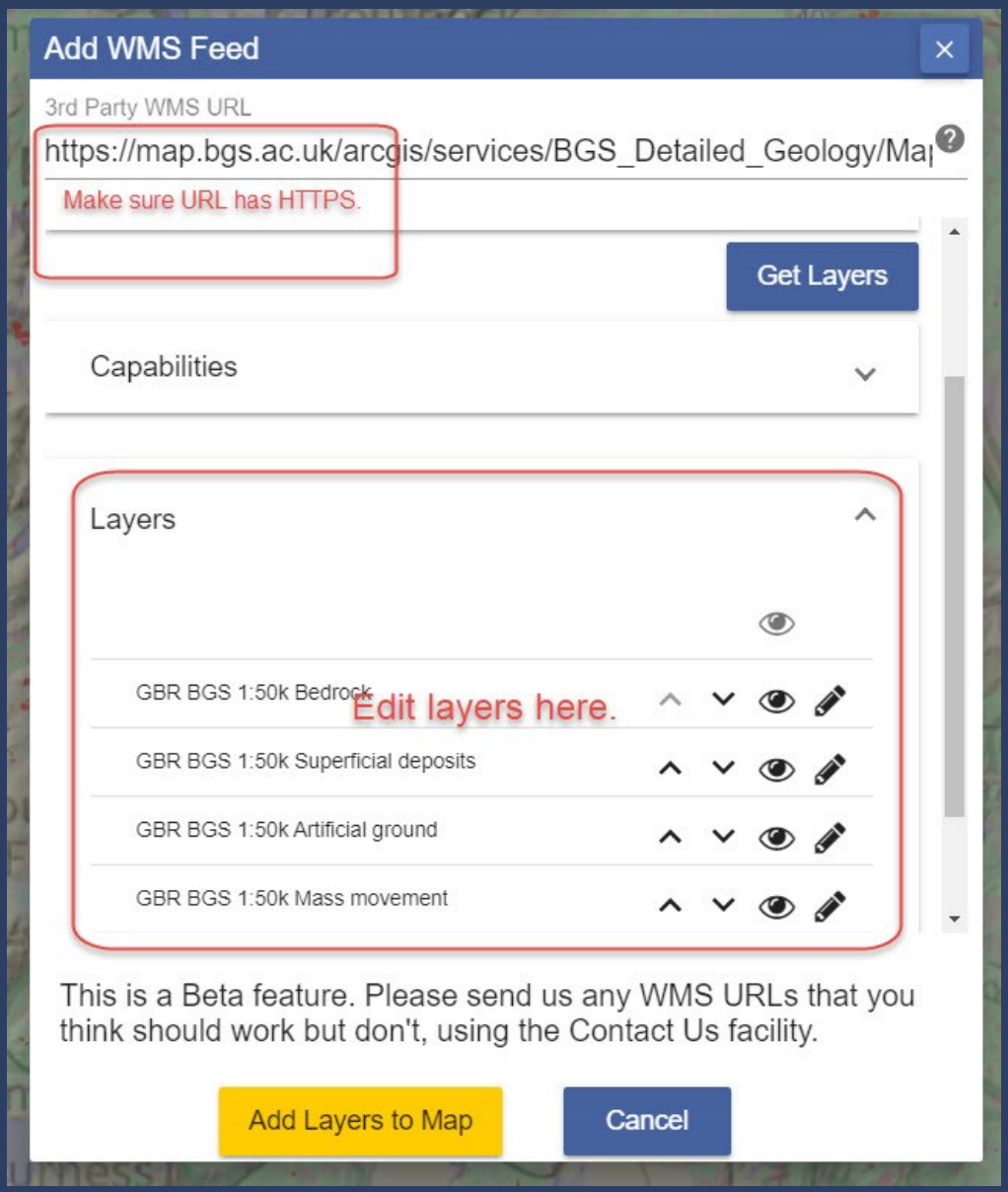
Add a Web Map Service (WMS)

This option allows you to add a web map service of map data and view it, overlaid, on your map. In the sample image below, a crop map of England has been added from the Environment Agency.



1. Identify the web map service you want to add and copy the link. Check our Roam help pages for some suggestions.
2. In Roam, select Overlays from the sidebar.
3. Now select Add WMS Feed.
4. Paste your link into the first line of the box, titled '3rd Party WMS URL'.
5. NOTE: if your URL has HTTP at the beginning, please change this to HTTPS.

6. Select Get Layers.
   6.1. Select the eye icon to turn a layer on or off.
   6.2. Use the arrows to change the order of display of any layer.
   6.3. Select the pencil icon to edit the name of any layer.
7. Select Add Layers to Map. Your WMS should be visible in the Overlays area and your map display changed.
8. You can switch WMS on or off in the Overlays area. Just switch the button next to each WMS on or off.
9. There is an opacity slider under each WMS to let you adjust your map display. Just move it left or right to see more or less on your WMS map data.



Overlay road/place names

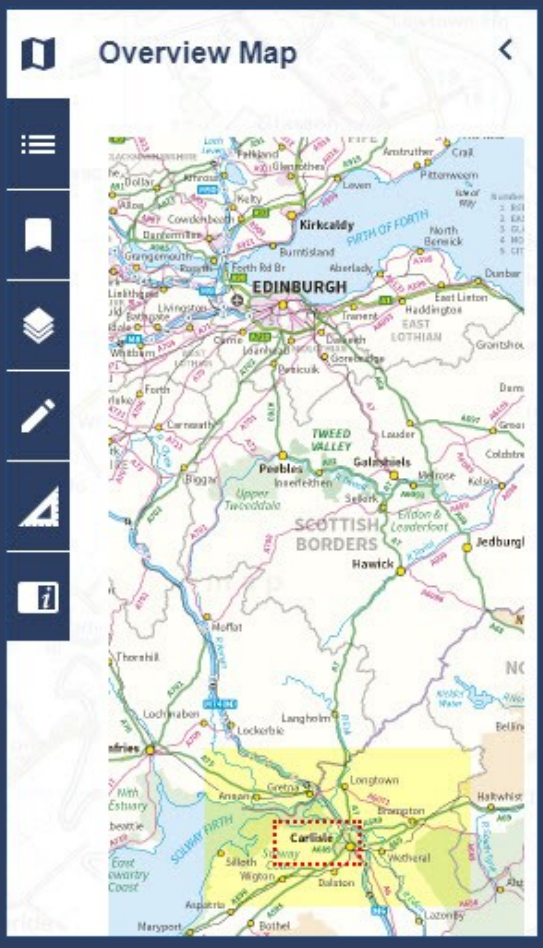
Only found in Aerial Digimap, this option allows you to view road and place names on the aerial maps. It is found within the Overlays menu.

1. Zoom in until an Aerial map is displayed.
2. Select Overlays from the sidebar.
3. Switch on Road/place names – the button will be blue when on.

Overview map

An overview map, identifying the location of your current map, is available.

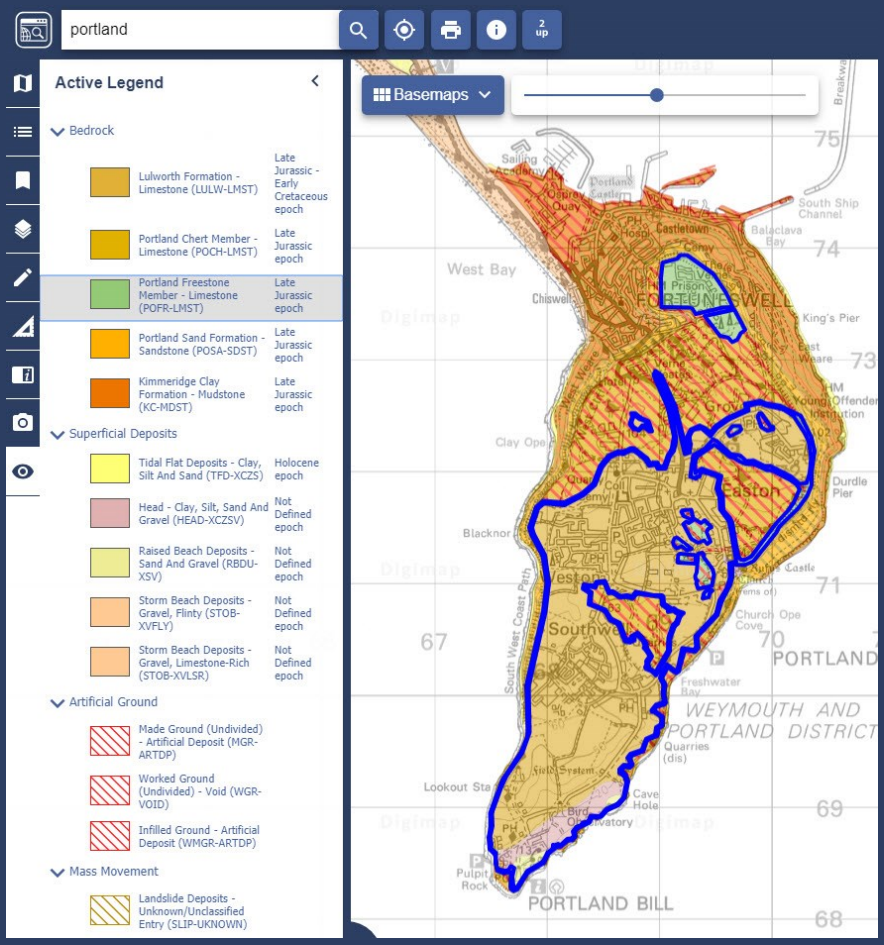
1. Select Overview map from the sidebar.
2. The small red box (highlighted on the image here) indicates your current position.
3. You can select the red box and move it around to change position.



Active Legend

Only found in Geology Digimap, this tool lets you highlight any geological feature on the map and view its legend entry.

1. Find your location.
2. Open the Active Legend from the sidebar – the eye icon.
3. You will see a legend with different categories, e.g. bedrock, superficial deposits. The categories will vary depending on your current scale.
4. Select the arrow next to any category to open it and view a legend.
5. Select any feature from the legend to highlight it on the map.
6. You can also select anywhere on the map and the feature will be highlighted in the legend.



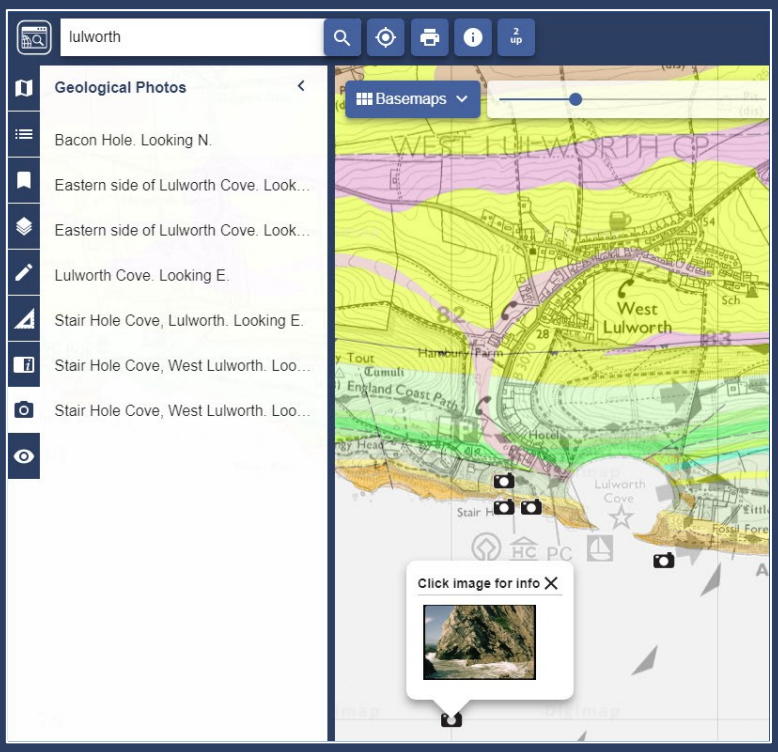
Geological Photos

Geology Roam offers geological photos from the British Geology Survey. There are around 3000 images available, only available in the 5 most detailed map views.

Members of the BGS have taken photos of rocks, landforms and other geological features in the landscape. These are concentrated mainly in upland areas such as Cumbria, the Peak District, North Wales and the Dorset Coast.

1. Find your location.
2. Zoom in to one of the 5 most detailed views.
3. The Geological Photos option on the sidebar will change colour, if there are photos available.
4. Select Geological Photos from the sidebar.

5. A list of available images will be displayed in the sidebar, and camera icons will appear on the map wherever there's an image.
6. Select any image from the list, or any camera icon, to view a thumbnail image in a pop-up box.
7. You can select the image to view a larger image plus image information.



Save screen image

Only found in Historic Digimap, this tool lets you capture

1. Zoom in to a historic map.
2. Select **Save Screen Image as** from the sidebar.
3. Select PNG or JPF format.
4. Select the Save image button.
5. An image of your map, with a copyright statement, is generated.
6. You will be prompted to save the image on your device.

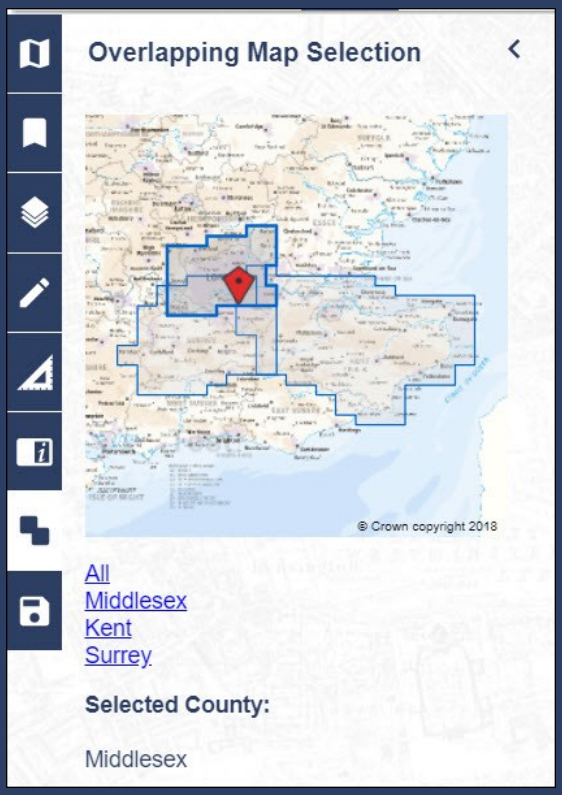
Overlapping map selection

Only found in Historic Digimap, this tool lets you select which map to view if there are overlapping maps displayed.

You may find, when browsing the historic maps, that from time to time the maps look blurry. This can be the result of more than one historic map being displayed.

Before WWII, mapping in Great Britain was created on a county basis. Often the surveyors mapped a little in over the county boundary, meaning that when we display the maps available for an area from a decade, there can be more than one.

1. Find your location.
2. Blurry map? Open the Overlapping Map Selection tool, from the sidebar.
3. You will see a map with some outlines on it. Under the map will be a list of the maps on display.
4. Select any map from the list, to see the area it covers on the small map.
5. When you select any map from the list, the map in the map window changes to reflect your choice.



FEATURE COMPARISON

The table below details the Roam features available in each Digimap Collection.

	OS	Historic	Geology	Marine Roam	Chart Roam	Enviro-nment	Aerial	Global
Basemaps	Y		Y			Y		
Transparency slider			Y			Y	Y	
Timeline		Y						
Search box	Y	Y	Y	Y	Y	Y	Y	Y
Print	Y	Y	Y	Y	Y	Y	Y	Y
Locate position tool	Y	Y	Y	Y	Y	Y	Y	Y
2 Up view	Y	Y	Y	Y		Y	Y	
Feature information		Y	Y	Y	Y	Y	Y	
Map information	Y	Y	y	Y	Y	Y	Y	Y
Coordinate capture tool	Y	Y	Y	Y	Y	Y	Y	Y
Customise map content	Y		Y	Y		Y		
Drawing tools	Y	Y	Y	Y	Y	Y	Y	Y
Measurement tools	Y	Y	Y	Y	Y	Y	Y	Y
My Maps	Y	Y	Y	Y	Y	Y	Y	Y
Hillshading overlay	Y		Y			Y		
Add Web Map Service	Y	Y	Y	Y	Y	Y	Y	Y
Overlay road/place names							Y	

	OS	Historic	Geology	Marine Roam	Chart Roam	Enviro-nment	Aerial	Global
Overview map	Y	Y	Y	Y	Y	Y	Y	Y
Active Legend			Y					
Geological Photos			Y					
Save screen image		Y						
Overlapping map selection		Y						

COPYRIGHT

What can I do with maps from Roam?

You can check the licence agreements and Frequently Asked Questions at the link below.

https://digimap.edina.ac.uk/webhelp/digimapsupport/about.htm#access/licence_agreements.htm

What is the correct copyright statement?

Any map you print from Roam will have the copyright statement printed on it, at the bottom left of the map.

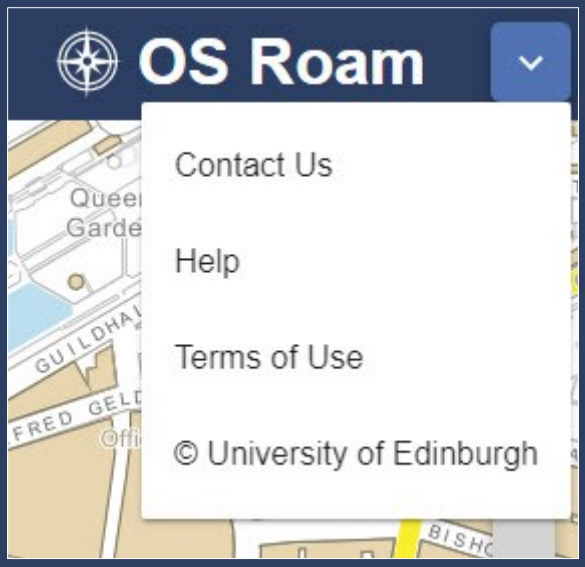
You can also check our blog post below for advice:

http://digimap.blogs.edina.ac.uk/question/what-is-the-appropriate-wording-for-the-copyright-statement/

How do I cite Digimap?

Try our citation tool:

https://digimap.edina.ac.uk/webhelp/resources/citation/services.html

FIND HELP AND SUPPORT

- Select the arrow at the top right of Roam.
  - Select Help to find help pages and other resources.
  - Select Contact Us to submit any questions.