Corporate MapViewer Help Document

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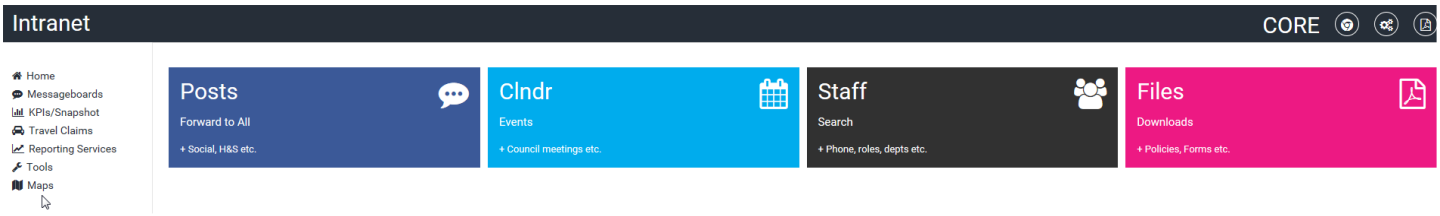
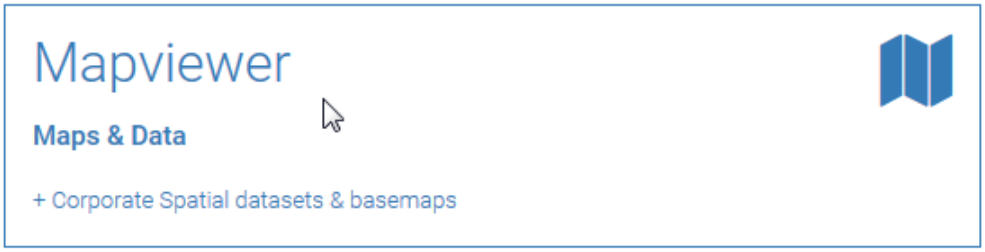
Opening the Mapviewer

From the Intranet Home page - Click on **Maps**



Select the Mapviewer



This link will open the Map Canvas

The Map Canvas

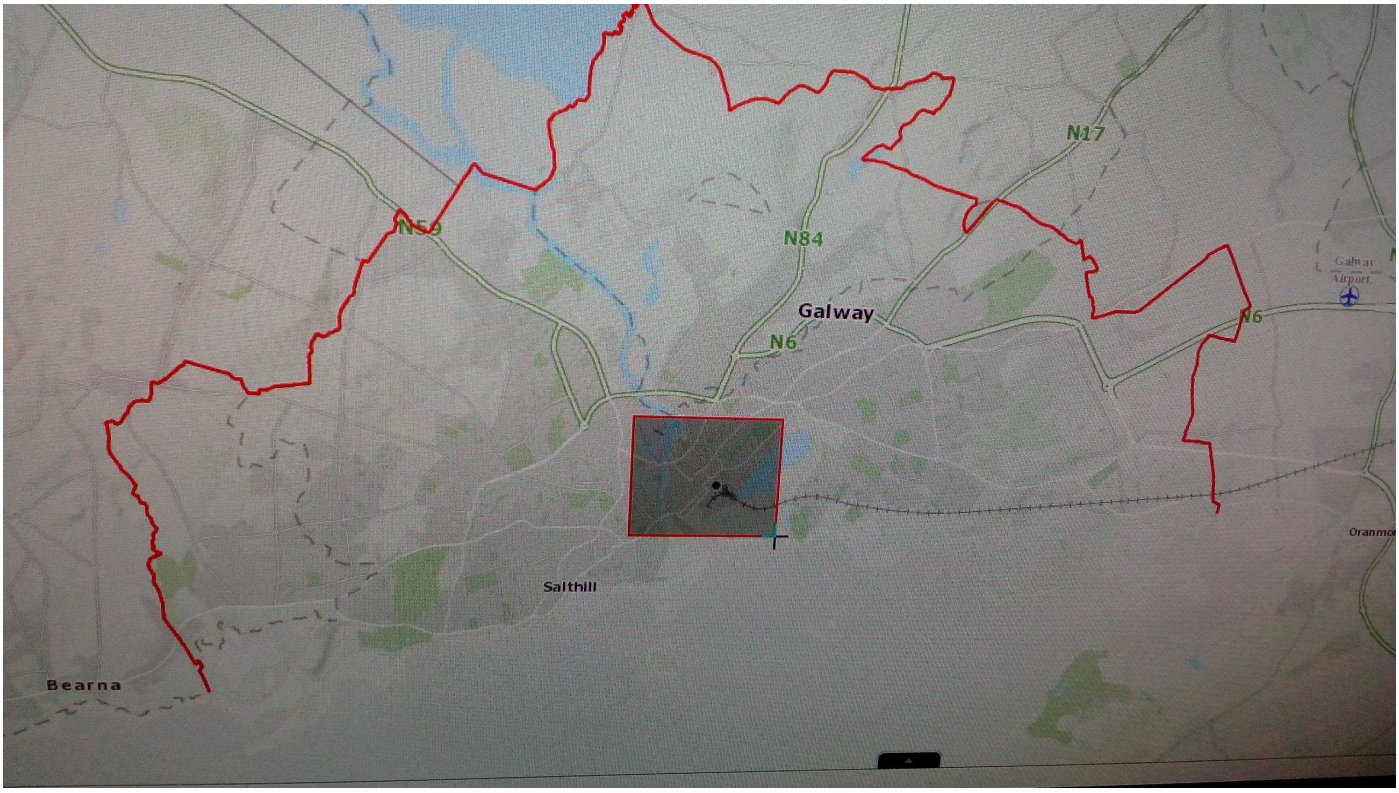
The map canvas is the main interactive workspace on the Map Viewer.

The map canvas displays the **Basemap** layer which contains detail of roads, towns, infrastructure and terrain that increases in detail as you zoom in. You will notice the Map scale and map coordinates in ITM projection on bottom left of map (see above).

Map Controls

Shift Key and Zoom box

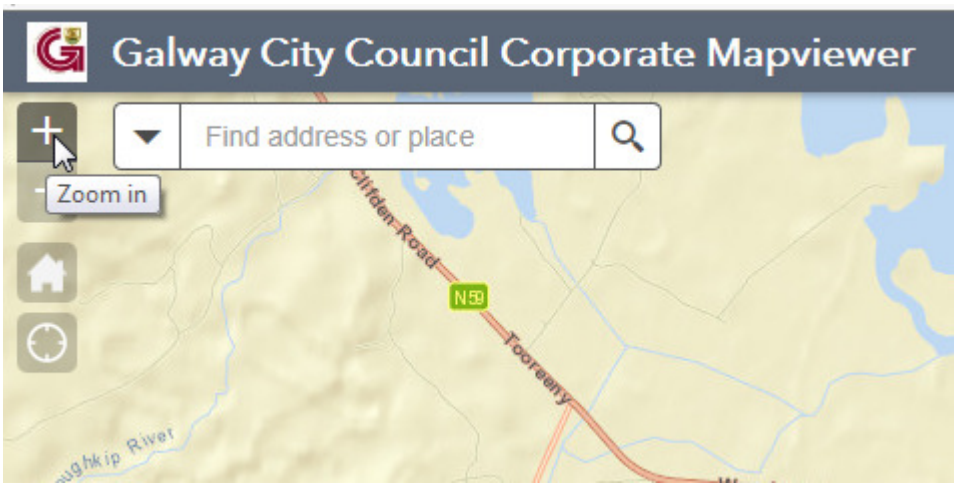
To zoom into an area – just hold the Shift Key and click on a point on the map and drag your mouse to create a box. This will allow you to zoom into the area within the box.



Zooming in and out

You can zoom in and out by either

1. Rolling the wheel on your mouse forward or back or
2. Click on + or – button – see top left of your map.

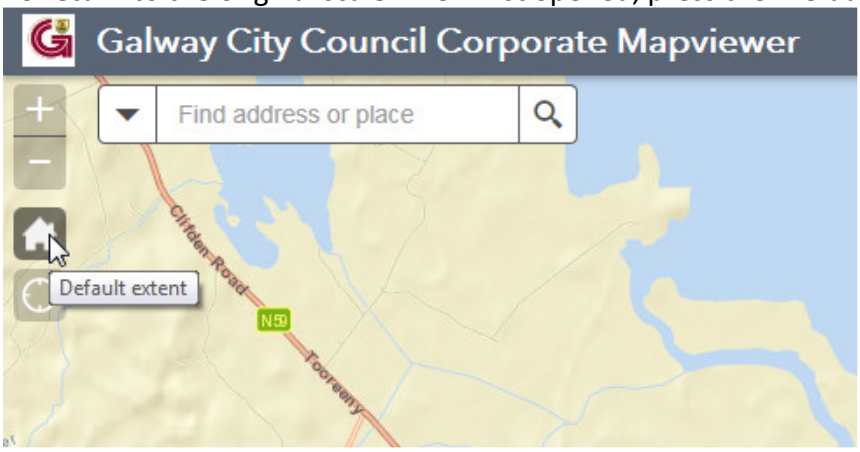


Panning the map

Click anywhere on the map canvas and hold the button down while you drag it in the desired direction.

Return to the original scale of Map

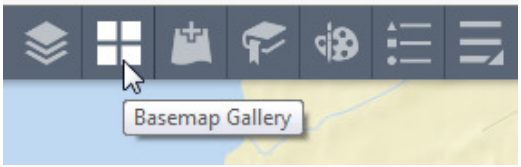
To return to the original scale when first opened, press the ‘Default Extent' button:



Background Mapping

Basemap

You can switch background mapping by clicking on the Basemap Gallery widget (top right of Map Canvas)



An example of some of the Basemaps available to you are:

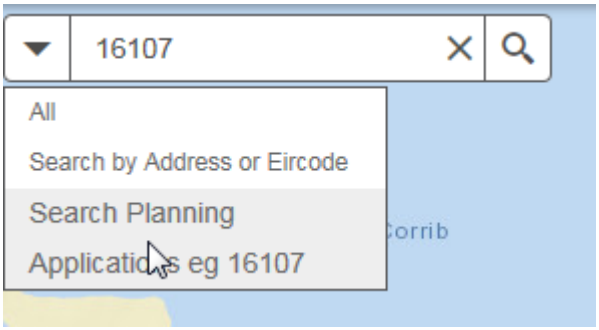
Click on the thumbnails to change the Basemap.

Searching for Addresses

Find an address or Eircode

To search for an address, use the 'Search by Address or Eircode'. This has a single text box where you can search by **street name** – eg College Road, or by Eircode.

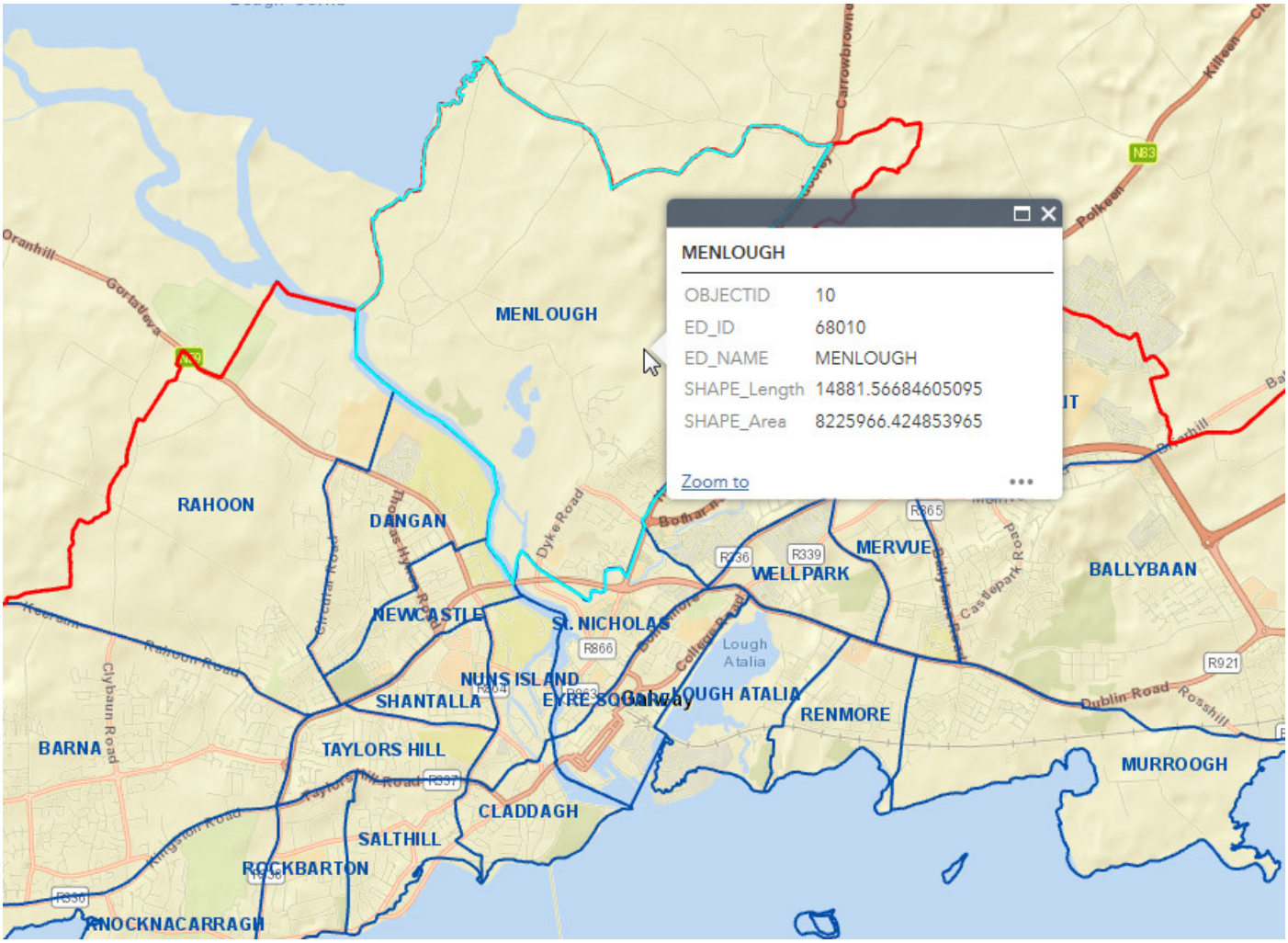
If you click on the  you will note that there are other Search options – such as **Search Planning Applications** you just click on relevant layer and type in the Planning Application File_Number in the format of **16107 -**



Popup Information Windows

A number of the layers available in the viewer are configured to support popup information windows, which provide more detail about individual zones or features.

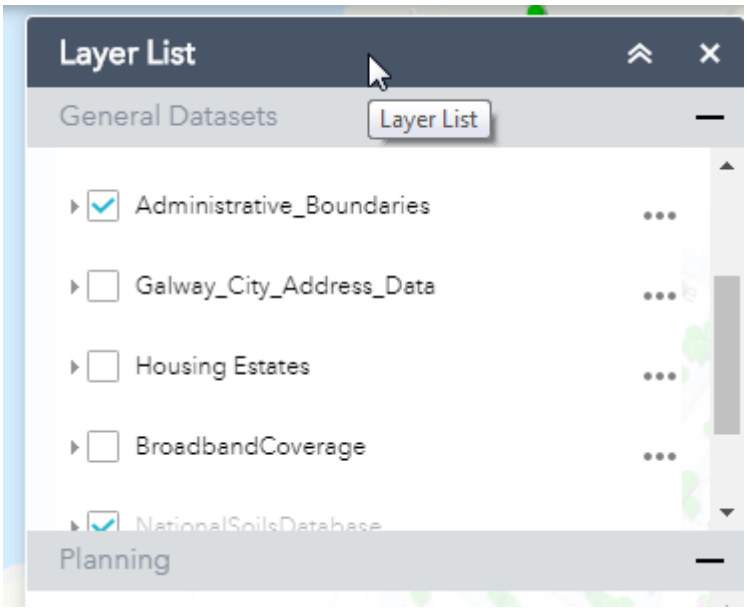
To view additional information about these layers, click on the area of interest on the map. A popup window will appear displaying descriptions, additional attributes, and hyperlinks. If you have more than one layer turned on, the popup will display for the top most layer.



Widgets

There are widgets available to you above the map – namely (l-r):
Layer List, Basemap Gallery, Add Data, Bookmark, Draw, Legend, Print, Help Document, Analysis.

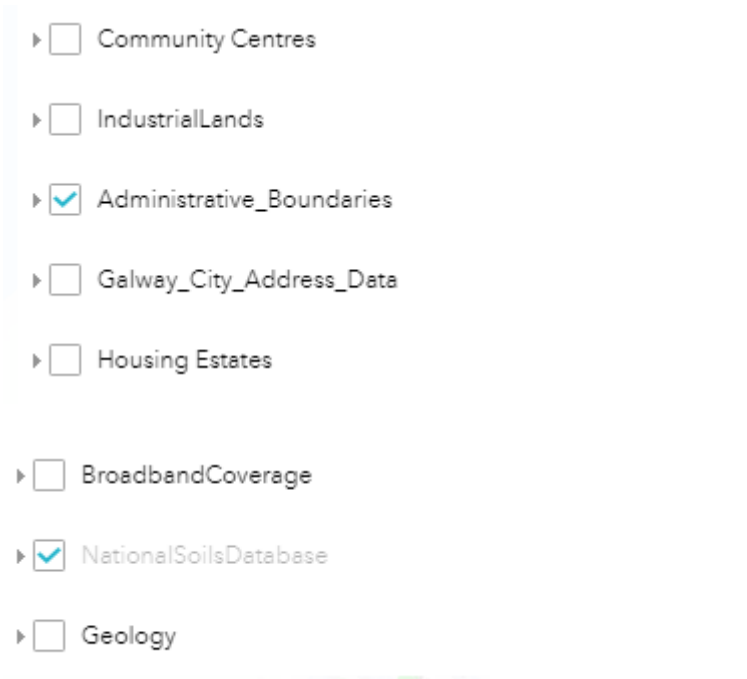
Layer List 



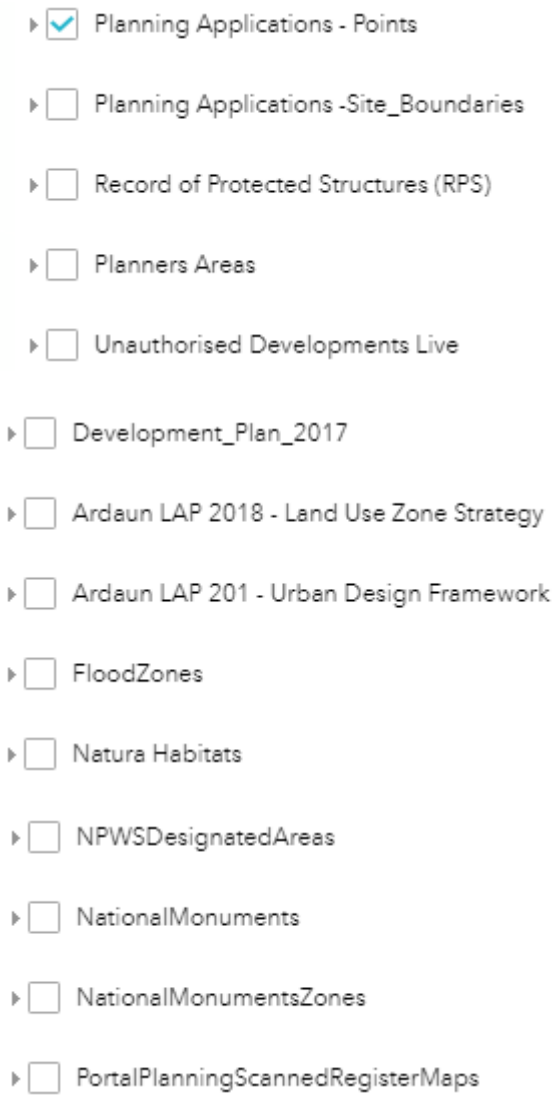
The Layer List widget enables the user to switch on/off various layers that can be viewed on the map.

When the Layer List widget first opens, the list of available layers is displayed in **Four Sections** namely -

1)General Datasets which includes:-

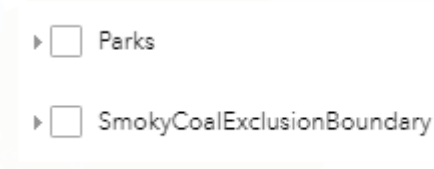


2)Planning which includes:-

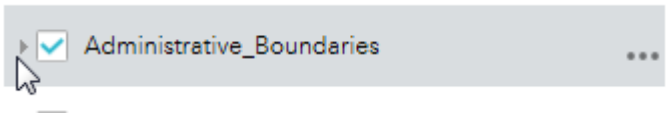


3)Roads/Transportation which includes:-

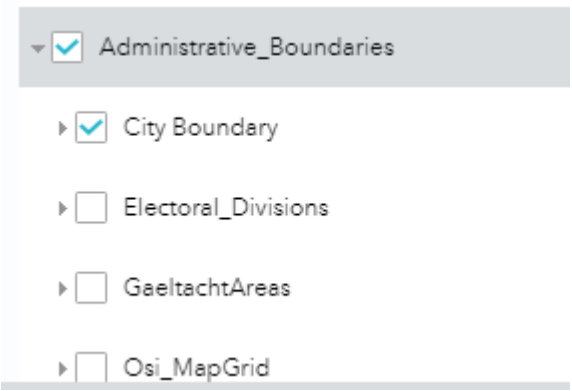
4)Parks/Environment which includes:-



The layers within each **Section** are grouped so that they are easier for the user to view and manage. You can expand a group by clicking on the sign to the left of the group name (e.g. 'Administrative_Boundaries').

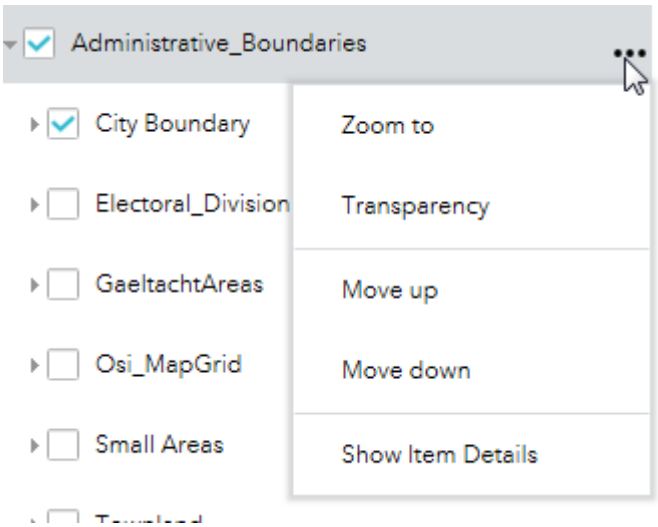


You can turn on and off a whole group by clicking in the tick box next to the group name (e.g. 'Administrative_Boundaries'), or turn on and off an individual layer by clicking in the tick box next to the layer name (e.g. 'City Boundary'). Both the layer and the group need to be ticked in order for the layer to be visible on the map.



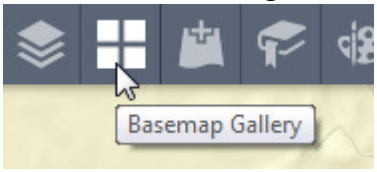
Transparency

You can adjust the ***Transparency*** of a group of layers by clicking the to the right of the group name and then moving the ***Transparency slider*** to the left or right. **Please note** - the transparency slider operates on groups of layers, not individual layers. The slider will only work after you have clicked on a group heading.



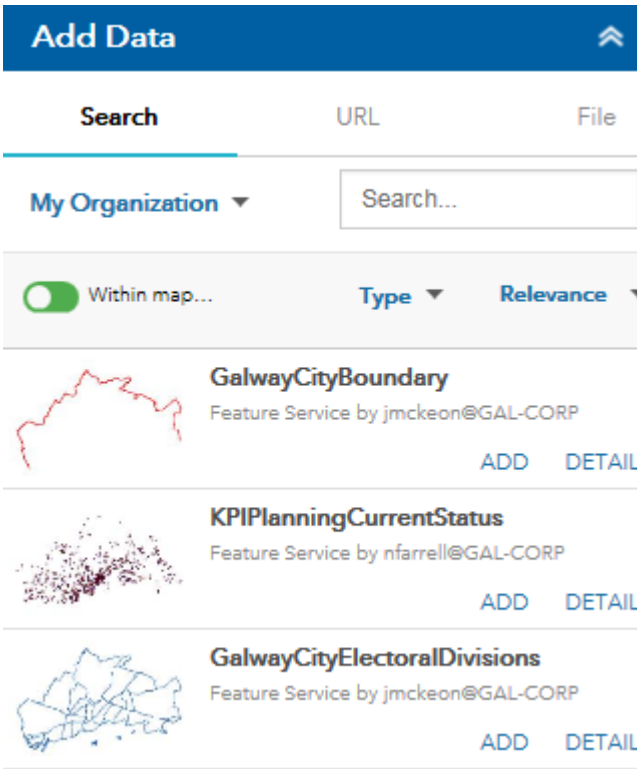
Basemap Gallery 

You can switch background mapping by clicking on the Basemap Gallery widget.



Add Data 

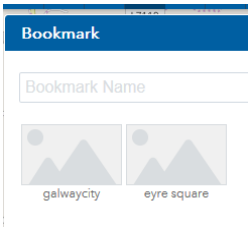
The Add Data widget enables you to add data to the map by searching for layers in ArcGIS Online or ArcGIS Enterprise content, entering URLs, or uploading local files. In this way, you can temporarily add layers to and remove layers from the map. However, you can't save the layers to the map.



To search only layers within the map area, leave the toggle button  green, which is the default.

To search all layers in the scope, click the toggle button, which turns it red.

Bookmark



To open the Bookmark widget click on the icon on the widget bar at the top of the map.

This widget simply allows you to bookmark your current view of the map for future reference.

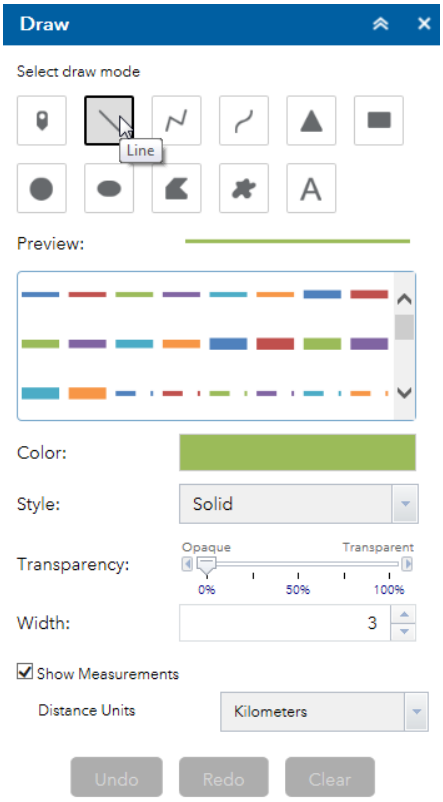
Draw

To open the Draw widget click on the icon on the widget bar at the top of the map.

This widget allows you do draw symbols on the map. The Rectangle, Circle, Ellipse, Polygon and

Freehand Polygon tools are used to for querying in the Reporting widget. You can measure distances by clicking the 'Show Measurements' check box once any of these tools are activated.

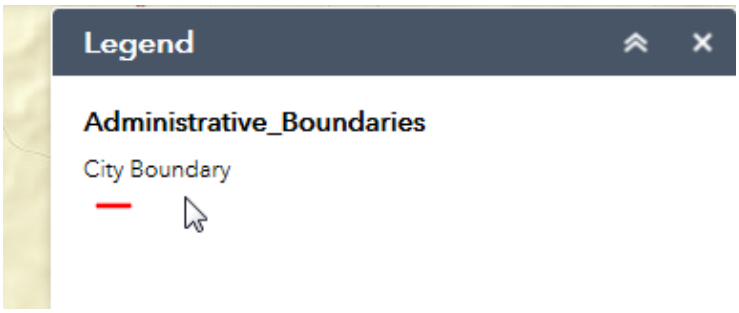
You can also change the colour/style of the drawing using the different options available.



To undo all drawings just click on ***Clear.***

Legend 

As you click layers on/off you will see that the legend changes to only show the layers clicked on.



Print 

You open the print widget by clicking on the 

icon on the widget bar at the top of the map.

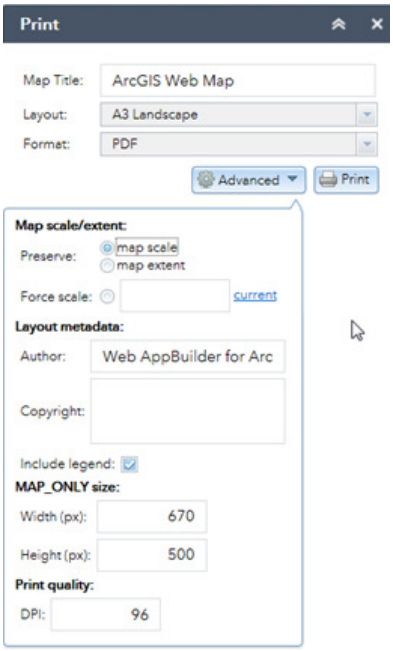
The print widget dialog has a text box which enables you to enter a Map Title. You can choose the page size and orientation using this dialog.

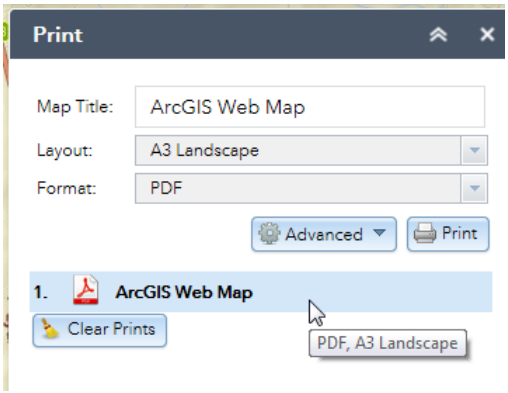
and Author for your printout if you wish.

When you click the '***advanced'*** button – you can enter the Author, Copyright, include Legend etc. Then select **Print.**

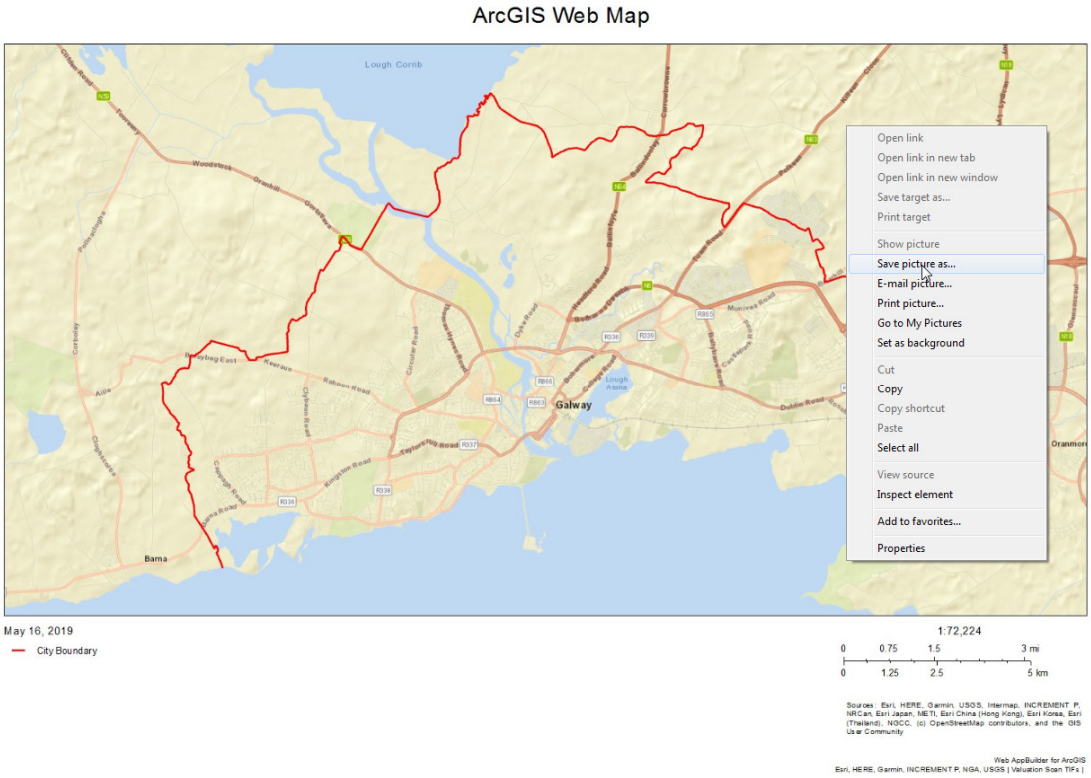
The map window is scaled to fit the printed page, regardless of its shape. Therefore, if you are viewing the map maximised on a normal screen, the map window will have an approximate landscape page shape. If you print this using a portrait page orientation the printed map will only take up the top half of the page. To cover all of the page, either print the map as a landscape page, or resize the browser window containing the map viewer to the desired shape before printing.

If printing in pdf it will generate the layout in adobe pdf format. You can then open the pdf and save this document and ***give it a suitable file name for easy reference.***





If you want to create a jpeg you will need to change the format to jpg. **To Save a jpeg –** once the print template has been generated – open it in the browser, right click on the image and select **"Save picture as"**



Help Document 

Click on the link to open the Help document which you can print or refer to when necessary.

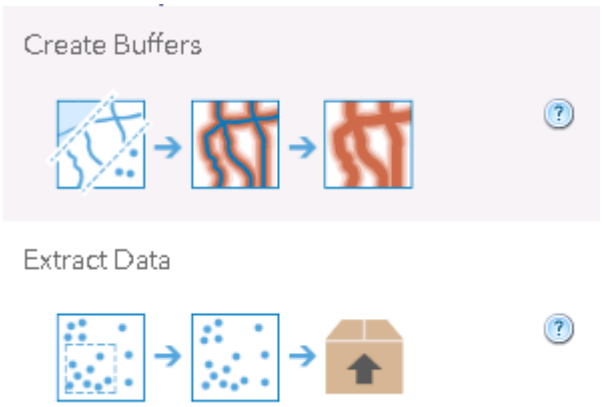
Click here to view Help Document

Analysis Widget 

NOTE:- You will need to contact the GIS Section to activate this Widget.

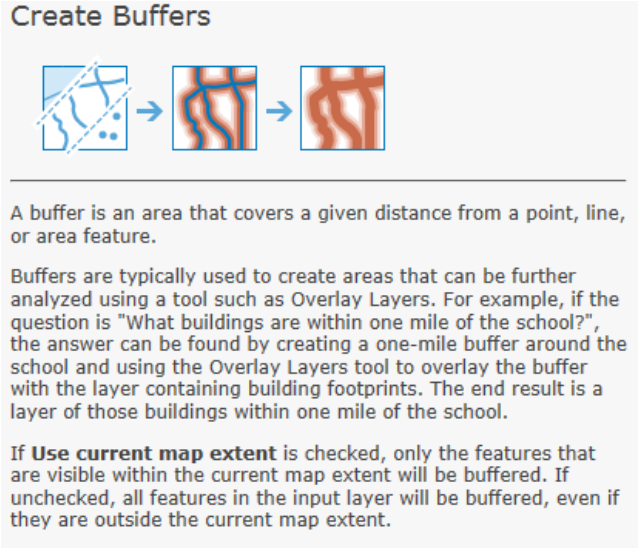
The Analysis widget provides an easy way to use analysis tools. There are two tools available to you to use – Create Buffers and Extract Data.

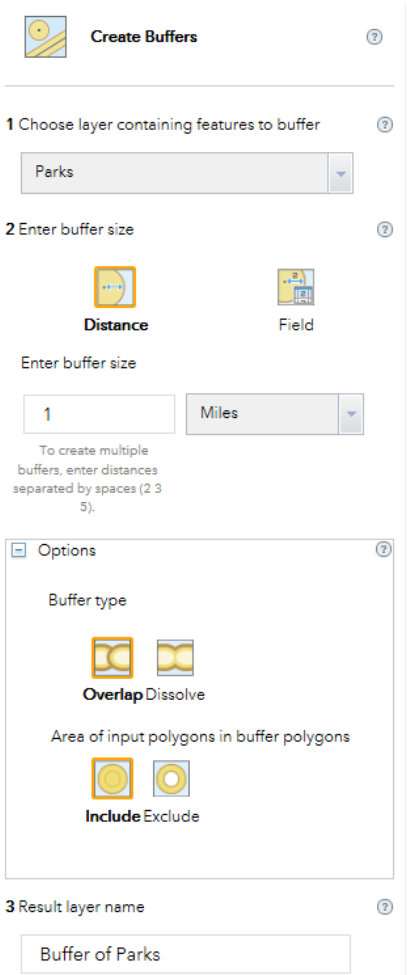
Choose tools one at a time to execute. Click the help icon for information about the tool.



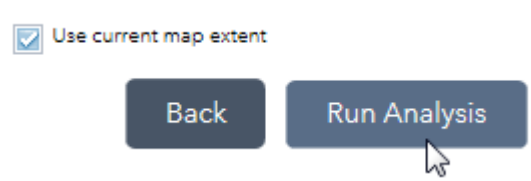
Create Buffers

This tool allows you to create buffer polygons from input features.





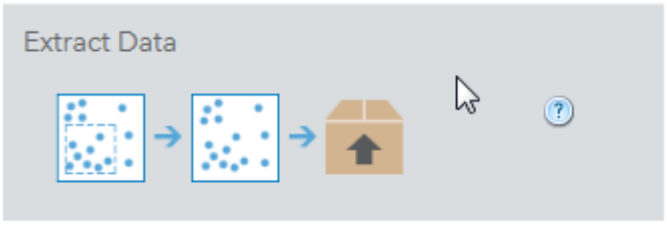
Run Analysis



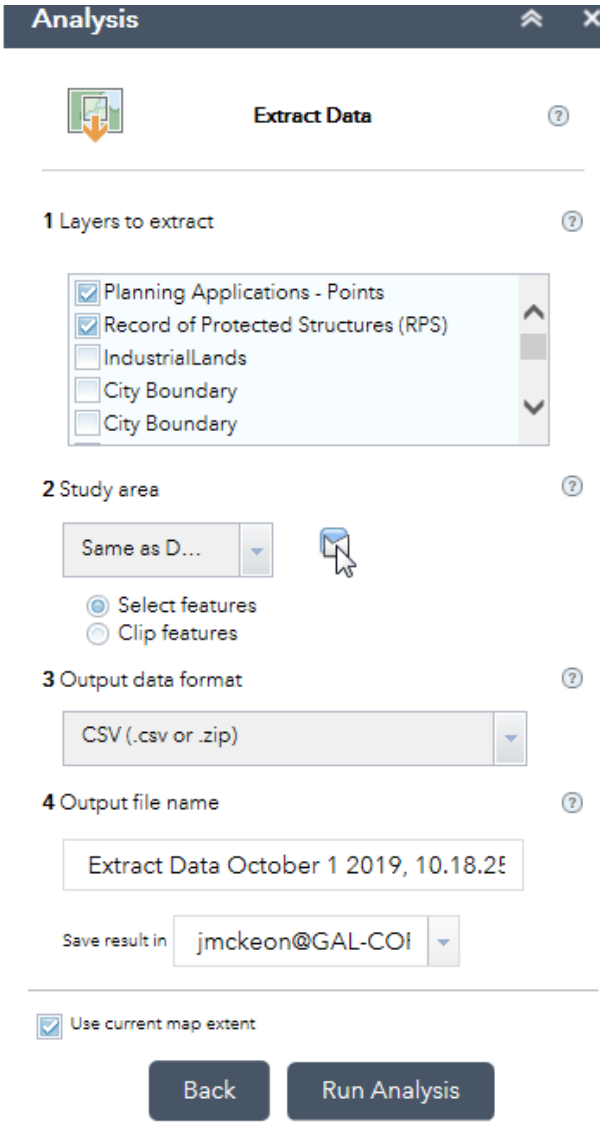
Extract Data

This tool allows you to extract data from one or more layers within a given extent.

Click on the Extract Data Widget



The next window will open up:-



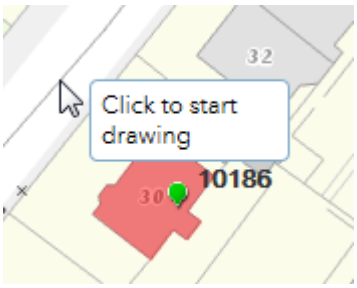
Select the layers to extract eg Planning Applications Points and RPS

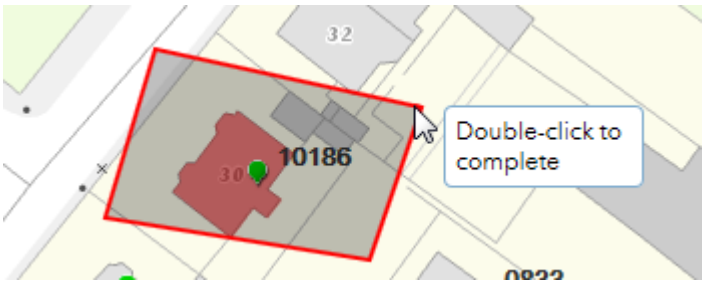
Study Area *– Same as Display area*

Click on the Draw Icon 

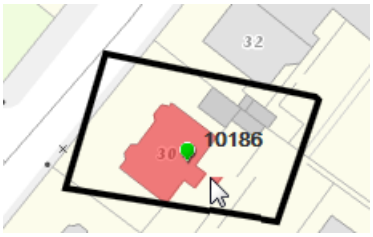
and draw your polygon around the area you wish to extract data from:-

Move your cursor onto the map canvas and click to start drawing a polygon around the area in question

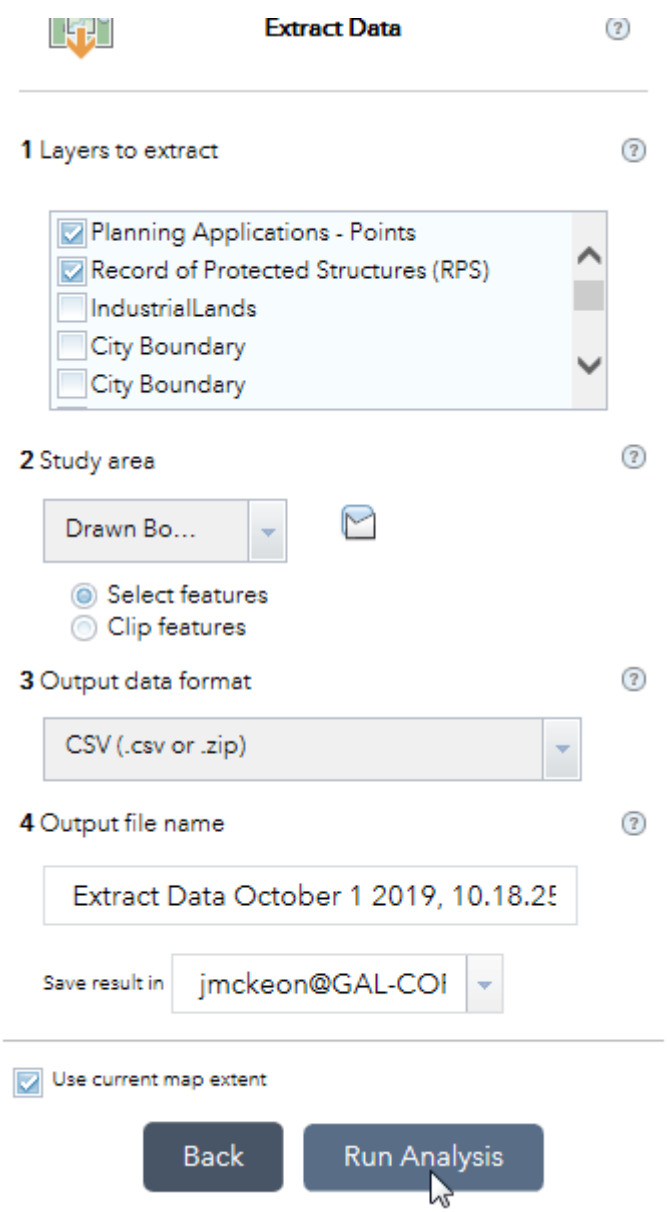




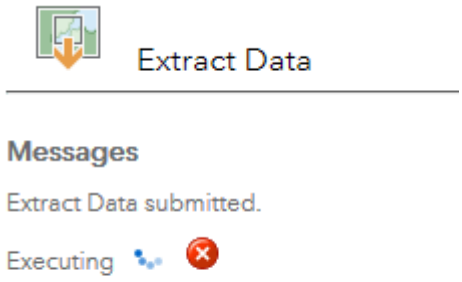
Double-click the polygon outline when finished and it will turn from red to black



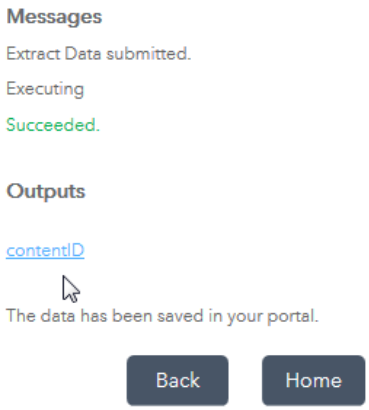
Next, click on the "Run Analysis" button



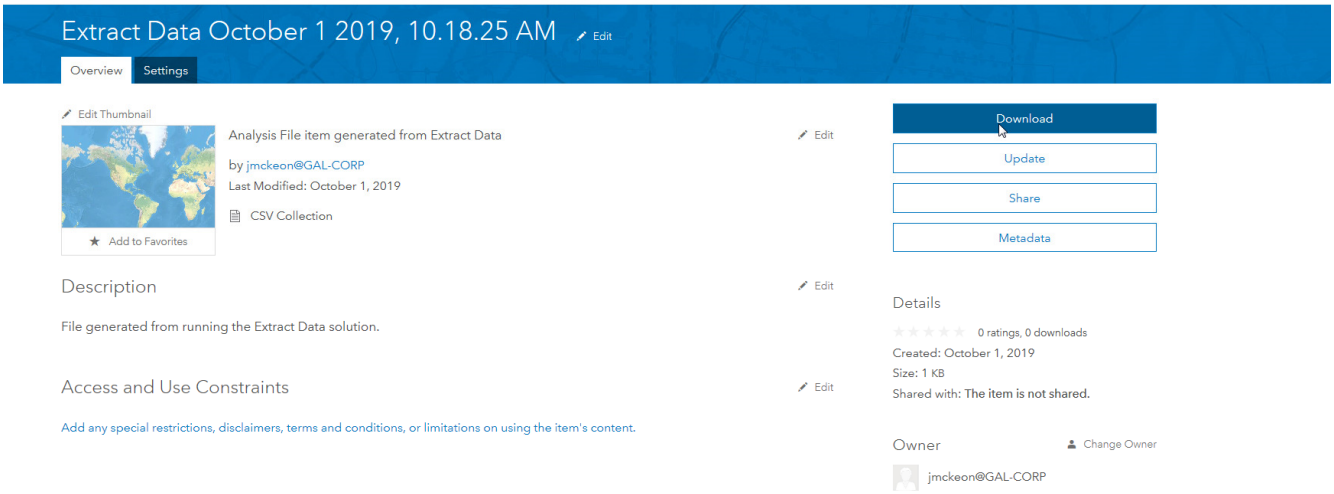
This process will then start to execute



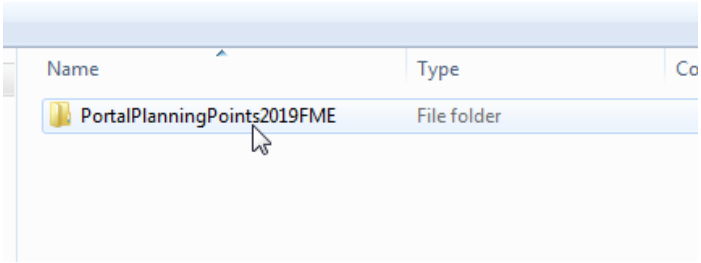
Once the process is finished the message "succeeded" will display and the an url link "contentID" to the output will appear for you to click on.



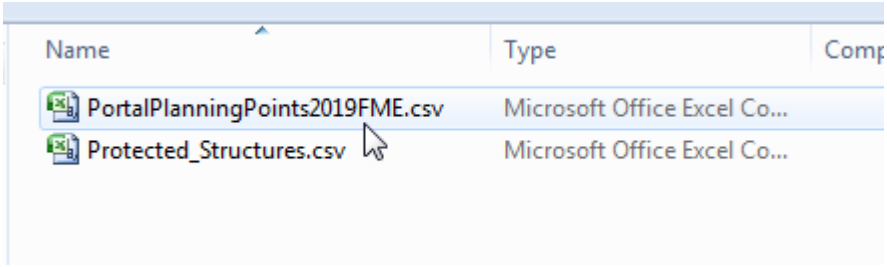
Click on the "contentID" link and this will display your results in csv format.



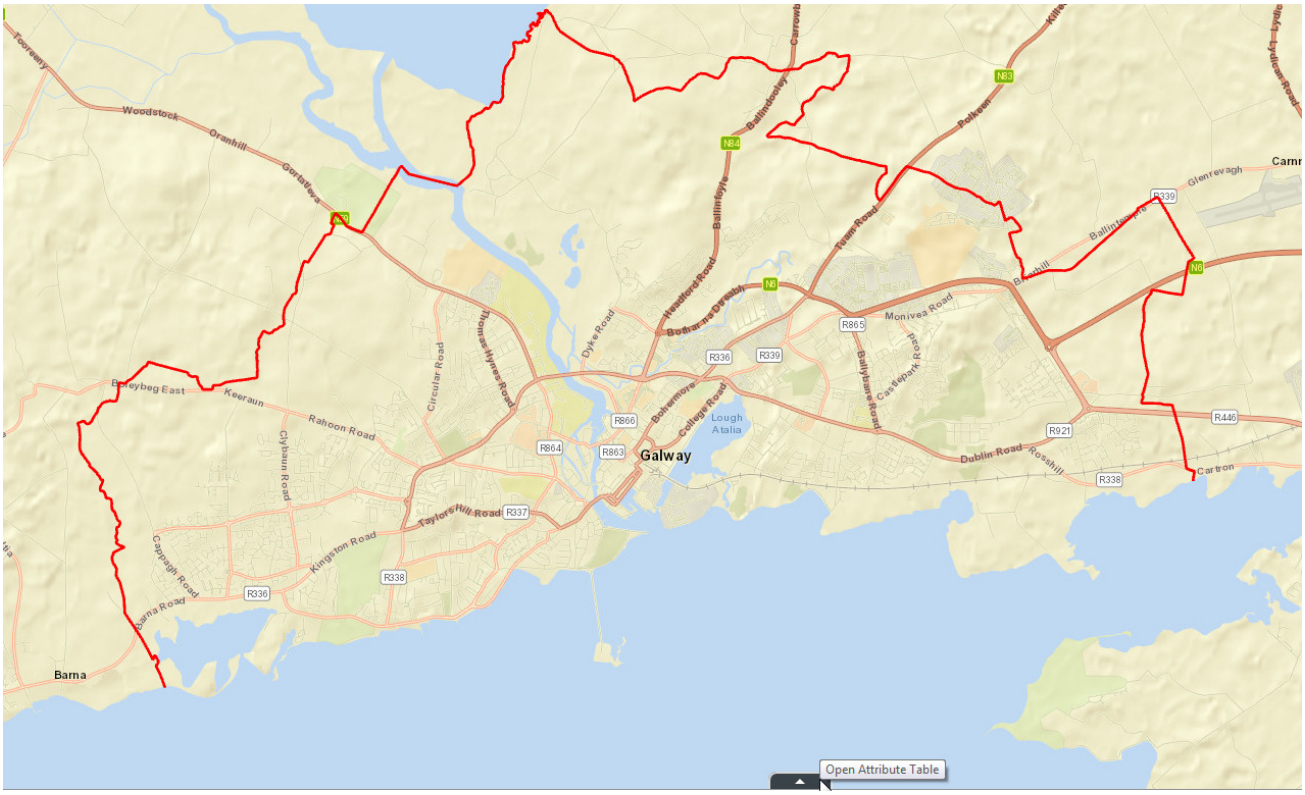
Download and open



Click on the downloaded file – this opens separate csv files for each layer selected – which you can now view



Attribute Table Widget

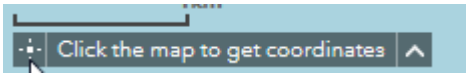


The Attribute Table widget displays a tabular view of operational layers' attributes. It displays at the bottom of your web app and can be opened, resized, or closed. When more than one layer's attributes display, multiple tabs automatically generate in the attribute panel allowing you to switch among the attribute tables. You can use the widget's configuration window to specify the layer or layers to be included in the tabular view, the fields show, and whether the tabular view can be exported.

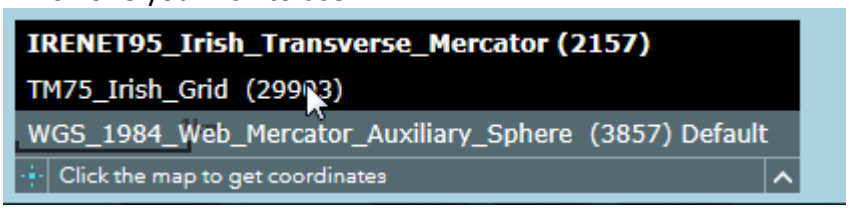
Coordinate Widget 

This widget displays at the bottom left of the Map Canvas.

The Coordinate widget displays x- and y-coordinate values on the map. With the default coordinate system of the web map, the coordinate values change dynamically when the mouse pointer moves to locations on the map. Multiple spatial references can be configured and the coordinate values display based on the spatial reference you choose when the application starts.



Firstly click  - this will display the difference coordinate systems available to you eg Irish Grid – select which one you wish to use.



Next click on  And then zoom into/hover to the point on the map . It will display the coordinates of the point in the requested projection at the bottom left of the map canvas.