

An area to concentrate on can be defined. For example, for the purposes of this exercise, the following Latitude and Longitude coordinates have been provided:

Search

Place / Road / Postcode Search

Coordinate / Grid Ref. Search

Grid Reference:

e.g. NT274769

Easting:

e.g. 327250

Northing:

e.g. 676980

Latitude:

51.613466

Longitude:

-3.931403

Find

Electricity Sub Station

Tank

Subway

Signal Post

Electricity Sub Station

Electricity Sub Station

Tank

Boating Lake

Electricity Sub Station

Tank

Quarry (Disused)

Playing Fields

Subway

Tip

Cockett Wood Park (Re

Playing Field

Tank

Signal Post

As with any data set the building blocks need to be established. Digimaps provide these in the form of OS Mastermaps:

OS MasterMap (0 selected)		
☐ ITN - Integrated Transpo...	Info	No limit
☐ ITN - Urban Paths Theme	Info	No limit
☐ Sites Layer	Info	(0.00/10000) k...
☐ Topography	Info	(0.00/100) km²
☐ Building Heights (Beta)	Info	(0/20) tiles
☐ Greenspace	Info	(0/200) tiles
☐ Highways	Info	No limit
☐ Highways - Paths	Info	No limit
☐ Water Network	Info	(0/200) tiles

Background mapping can be applied chosen to an appropriate scale with chosen data overlaid onto the map for formal presentation.

Backdrop Mapping (0 selected)		
☐ MasterMap 1:1000 Raster	Info	(0/200) tiles
☐ MasterMap 1:2000 Raster	Info	(0/200) tiles
☐ Open Map Local Raster	Info	(0/200) tiles
☐ VectorMap Local Raster	Info	(0/200) tiles
☐ 1:25 000 Raster	Info	(0/100) tiles
☐ VectorMap District Raster	Info	(0/100) tiles
☐ 1:50 000 Raster	Info	(0/50) tiles
☐ 1:250 000 Raster	Info	No limit
☐ MiniScale	Info	No limit
☐ GB Overview	Info	No limit

Choosing the Topography for this area allows for a virtual representation to be displayed. As can be seen, some layers show more detail than others - these can be overlaid to provide an overall perspective. They can also be added / removed and zoomed into as required.

Depending on the amount of detail required within your display will depend on chosen scale. The advantage to a smaller scale is greater detail. This however will create a larger download file and also take longer.

Points of Interest for this area can be downloaded as a .csv file and converted for import into MapInfo, it can be seen that useful information is present. This can be overlaid onto the existing map:

Importing everything at once is a little disorganised. It is possible to filter information depending on need to clean things up.

The query tool is a little limiting in that you have to know the information you are looking for prior to carrying out the search. It is actually easier to filter the data in Access and Excel and then re-import this as a new query into the system for display!

From a tourist perspective, it may be useful to compile a layout of places to eat or places to stay.

The system allows for an overall summary combining these view sets together to be displayed. Thus demonstrating an advantage to the overlay system in that you can zoom into areas of particular interest:

It is possible to carry out a SQL Query to filter the Points of Interest to only show the Car Parks in this area - such information would be useful from a town planning and tourist perspective:

Name	PointX	Classification_Code	Feature_Easting	Feature_Northing
Car Park	10,540,736		265,895	193,622
Car Park	10,540,736		266,675	192,999
Car Park	10,540,736		269,753	192,947
Car Park	10,540,736		265,777	192,443
Car Park	10,540,736		265,120	192,769
Car Park	10,540,736		265,168	192,601
Car Park	10,540,736		266,221	193,131
Car Park	10,540,736		266,025	192,657
Car Park	10,540,736		262,432	191,924
Car Park	10,540,736		265,553	192,743
Car Park	10,540,736		266,434	192,393
Car Park	10,540,736		265,658	192,643
Car Park	10,540,736		266,494	193,033
Car Park	10,540,736		262,410	191,784
Car Park	10,540,736		265,933	193,406
Car Park	10,540,736		266,010	193,225

The symbols for these can be edited to show individual items and a legend (or "key") can be provided. The disadvantage with the Points of Interest tool is that it may not be meaningful, it is only as good as the detail contained within the "NAME" column.

From a practical perspective, health care and cash machines may also be useful

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