

## Accessing live BRERC species data via the Internet

This guide will allow you to access a nearly live copy of BRERC species data over the internet using Web Feature Services (WFS) in MapInfo Professional. The guide assumes initial set-up of your system has been performed to enable BRERC WFS.

### Step-by-step Instructions

Open Mapinfo Professional. Open your data and zoom to the required area on the map. Click to **select** a site that you wish to find data for.



It is VITAL to carry out the above step FIRST or the query may take a very long time or fail.

Now click File > Open Web Service > Open WFS...

The following window will appear;

The screenshot shows the 'Open WFS Table' dialog box. The 'WFS Server' is set to 'GeoServer Web Feature Service' and the 'Server URL' is 'http://brerc.dyndns.org:8080/geoserver/wfs/'. The 'WFS Layers' list contains several entries, with '\_live\_access' selected. The 'Data Filters' section includes 'Column Filter...' and 'Row Filter...' buttons, and a 'Max. Features' field set to 10. The 'Object Styles' section shows three icons: a star, a cross, and a square. The 'Coordinate System' section shows 'Projection: EPSG:27700' and 'British National Grid'. The 'Table Filename' is 'C:\Users\BRERC\Documents\\_live\_access.TAB'. The 'Preferred View' is 'Current Mapper' and the 'Allow Edits' checkbox is unchecked. Buttons for 'OK', 'Cancel', and 'Help' are at the bottom.

From the **WFS Layers** list, select the name '\_live\_access', as shown above.

Now click the Row Filter button and select '**Geometry**' from the **Column** drop down list. Ensure the **Operator** is **ogc:BBOX** and change the **Value** to **SELECTION** and click **OK**.

Row Picker

Choose which rows to fetch from the table. Accept the default to fetch all rows.

Conjunction:	Column:	Operator:	Value:
	geometry	ogc:BBOX	SELECTION
	none		
	none		
	none		

OK Cancel Help

Now back in the **Open WFS Table** window;

- Click the **Object Styles** buttons to set the colours, shading and opacity of the objects you will be downloading
- Ensure the projection is set as **British National Grid** (this should be automatic)
- Use the button to the right of the **Table Filename** box to set a location for saving the table and a name for the table
- Change **Preferred View** to **Current Mapper**

And then click **OK**.

You will now be prompted to enter a username and password. These will be provided to you by BRERC and should not be passed onto third parties.

The query is limited to a maximum return of **50,000 records** to ensure that users don't inadvertently attempt to download the whole database.

Be patient whilst the data is being pulled back! Mapinfo can look as if it is doing nothing or can say it is 'Not Responding' when it is actually performing your query.

### Mapping the data as Squares

By default the data is mapped as squares covering the area each individual record may occupy. For example, an 8 figure grid reference record will be mapped as a 10m square, and a 4 figure grid reference record will be mapped as a 1000m (1km) square.

If you changed the preferred view to **Current Mapper** in the section above, the data should already be displayed as squares in the map window.