

UKOGL (UK Onshore Geophysical Library).

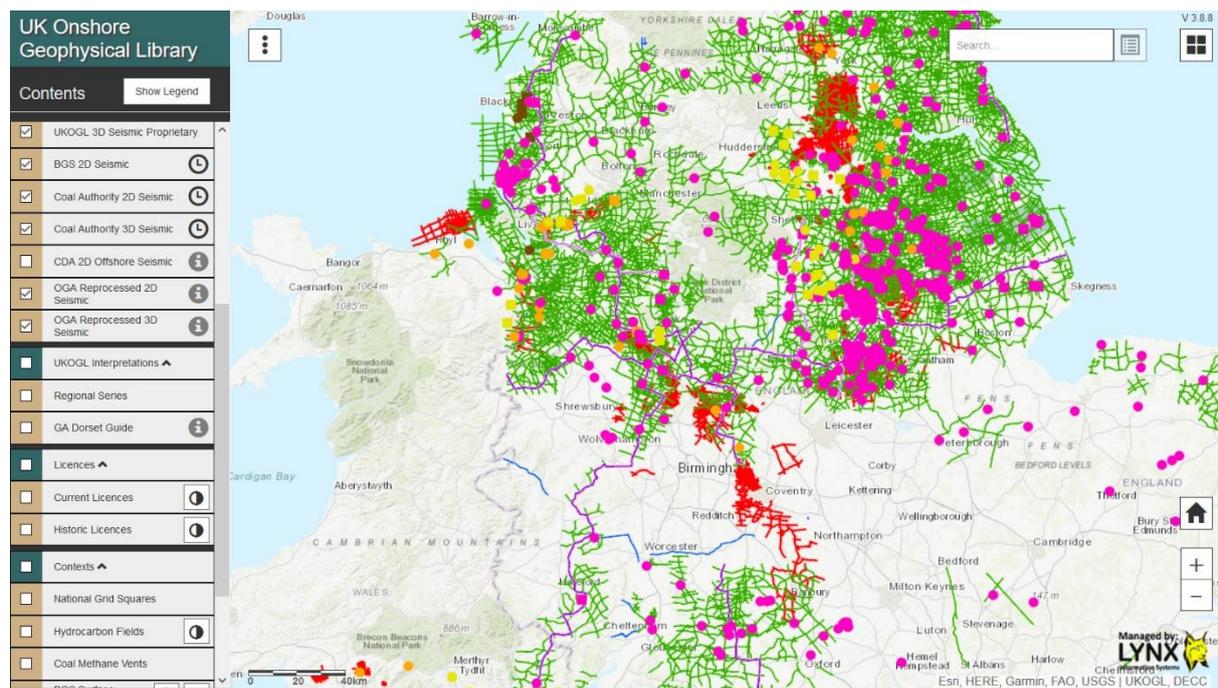
UKOGL is a charity which makes available information collected over the years by BGS, companies exploring for oil and gas or records from coal board and much more. There are borehole records and seismic lines, a few of which are interpreted. The interactive map allows you to zoom in on the area in which you are interested. You can click on various options to show the surface geology map, local authorities, parliamentary constituencies and much more. This is a valuable source of information for us all to make use of.

Website www.ukogl.org.uk

On the home page there is information about UKOGL. The site has guides to seismic processing and map interpretation. There are links to all the local geological societies in the country. Most of these do not reciprocate with a link to UKOGL. Please do explore this fascinating website and see how much information is freely available.

Here are some simple instructions to use of the site.

Click to download **the interactive map full screen**. You can then zoom in on the area in which you are interested. The picture below shows seismic lines, wells and coal records held by UKOGL in the northern part of central England. These are colour coded so you can distinguish between them.

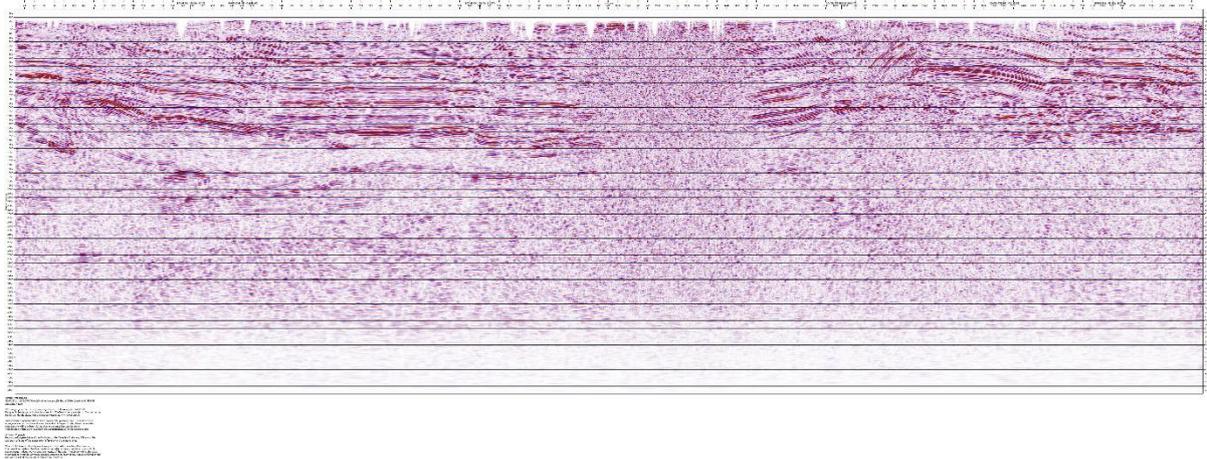


To the left of the map are the headings shown in bold below, which are a list of things that can be highlighted to be shown on the map. Click on them to open up the full range of options for each and choose the ones required.

Wells: With 'Wells' highlighted, look at the wells on the map and click on the one you are interested in. A table appears with basic information about the borehole. You can click on various options such as Images, under which one option, Well Tops, (click View) lists the rocks encountered and depths.

Seismic: Under this heading you can highlight various types of seismic lines collected by UKOGL, BGS lines, Coal information, etc. Chose the line you are interested in on the map and click on it. A table appears. At the top under 'Main' are details of operator etc. To the right of this, click on 'Image' to

view the seismic record in colour or greyscale. You can right click on this image to save it to your own computer.



I had a brief look at line SOV-EXL-04 which is near Fownhope in Herefordshire. Towards the right of this seismic line, you can see where it crosses the fault line to the west of the Woolhope Dome and shows the doming of the rock layers to the east. This and other lines in the area can be related to the nearby Fownhope Borehole. If you enlarge the line on the UKOGL website you can see it really clearly.

UKOGL interpretation: UKOGL has produced interpretation of some long distance seismic lines which show interesting cross sections across parts of Britain. Click on the lines and then on Images. More work is being done by UKOGL to interpret other lines.

(There is a memory stick with half a dozen of these lines, which has been given out at the launch of Beneath Britain, held at Oxford University on 12th March 2018.)

Licences: Even if you are not involved in oil or gas exploration, there is some useful information under this heading. 'Historic Licences' shows on the map the areas of concessions and tells which companies shot the seismic lines. This can help you find the correct information.

Context: This allows you to click options for inclusion on the interactive map. These are National Grid Squares, Hydrocarbon Fields(e.g. in Dorset the oil fields being operated), Coal Methane Vents, Shale Prospective Areas (none being considered for fracking in our area), Parliamentary Constituencies, Local Authorities.

Please do try this out for yourself.