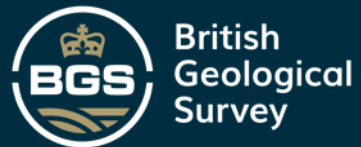




MIKE HOWE, *CHIEF CURATOR*, BGS

Key Online BGS Information Resources



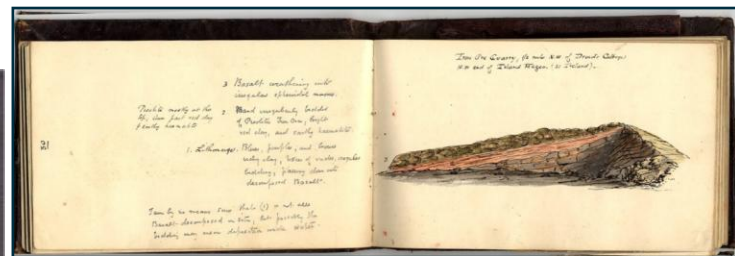
BGS Facts

- BGS is a research centre within the **National Environment Research Council (NERC)** family – part of UKRI (UK Research & Innovation)
- BGS budget is ~ £50 Million (50% from NERC) and 50% from external income (Europe, world bank, other government, private sector)
- Keyworth ~ 450; Edinburgh ~160; Also sites in NHM-London, Cardiff
 - Belfast (contract with DETI to staff GSNI)
 - Eskdalemuir, Hartland Geophysical observatories,

Data & Information holdings

- Huge breadth of data and information
 - Digital: 100TB and growing by the month
 - Core: Onshore: 250km core, Offshore: 350km core
 - Samples from ca. 22.5k boreholes & wells
 - Records: 17.5 linear km's of paper records, maps, notebooks and site investigation reports
 - Petrology: 1m + specimens, 300k thin sections
 - Palaeontology: 5m + specimens

BGS - Data and Information

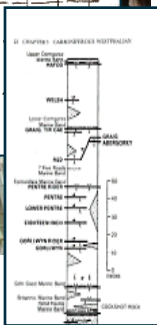


SD 240 SP 17
EXPLORATION BORING ES.
for sale in
Plumtree Farm
43NW
9

BORE HOLE DATA
Shoreline
PLEEFWOOD
157 ft. S.W. of Pleefwood Farm along the banks of the large
Surface level + 33.5 ft. O.D. (Crested Map 666 (Pleefwood))
Communicated to the Survey by (C.I. (Alkali) Limited) (Pleefwood) (Pleefwood)
Date of sinking about 1940. Bore 18.9 (Alkali) (Pleefwood) (Pleefwood)
Specimens

Description	Thickness	Feet	Inches	Feet	Inches
Silt, broken clay, gravel and sand	158	0	158	0	0
Red and blue sand with yellow	6	0	279	6	0
Red and yellow, yellow and red	45	6	325	0	0
Hard and gritty					
ROCKHEAD					
Silt, dark sand, red, yellow sand					
4-in. diameter yellow					
BOTTOM OF ROCK					
Red on the surface, sand & silt					
Plate with yellow and red veins					

Full details in attached sheet.



Sampling		Properties		Strata	
Depth	Type	Strength	W. %	Description	Depth
0.00	1			Red (Bore) surface.	0.00
0.00-1.00	1			Very stiff clay with silt.	1.00
1.00-2.00	1			Very stiff clay with silt.	2.00
2.00-3.00	1			Very stiff clay with silt.	3.00
3.00-4.00	1			Very stiff clay with silt.	4.00
4.00-5.00	1			Very stiff clay with silt.	5.00
5.00-6.00	1			Very stiff clay with silt.	6.00
6.00-7.00	1			Very stiff clay with silt.	7.00
7.00-8.00	1			Very stiff clay with silt.	8.00
8.00-9.00	1			Very stiff clay with silt.	9.00
9.00-10.00	1			Very stiff clay with silt.	10.00
10.00-11.00	1			Very stiff clay with silt.	11.00
11.00-12.00	1			Very stiff clay with silt.	12.00
12.00-13.00	1			Very stiff clay with silt.	13.00
13.00-14.00	1			Very stiff clay with silt.	14.00
14.00-15.00	1			Very stiff clay with silt.	15.00
15.00-16.00	1			Very stiff clay with silt.	16.00
16.00-17.00	1			Very stiff clay with silt.	17.00
17.00-18.00	1			Very stiff clay with silt.	18.00
18.00-19.00	1			Very stiff clay with silt.	19.00
19.00-20.00	1			Very stiff clay with silt.	20.00
20.00-21.00	1			Very stiff clay with silt.	21.00
21.00-22.00	1			Very stiff clay with silt.	22.00
22.00-23.00	1			Very stiff clay with silt.	23.00
23.00-24.00	1			Very stiff clay with silt.	24.00
24.00-25.00	1			Very stiff clay with silt.	25.00
25.00-26.00	1			Very stiff clay with silt.	26.00
26.00-27.00	1			Very stiff clay with silt.	27.00
27.00-28.00	1			Very stiff clay with silt.	28.00
28.00-29.00	1			Very stiff clay with silt.	29.00
29.00-30.00	1			Very stiff clay with silt.	30.00
30.00-31.00	1			Very stiff clay with silt.	31.00
31.00-32.00	1			Very stiff clay with silt.	32.00
32.00-33.00	1			Very stiff clay with silt.	33.00
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34.00-35.00	1			Very stiff clay with silt.	35.00
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36.00-37.00	1			Very stiff clay with silt.	37.00
37.00-38.00	1			Very stiff clay with silt.	38.00
38.00-39.00	1			Very stiff clay with silt.	39.00
39.00-40.00	1			Very stiff clay with silt.	40.00
40.00-41.00	1			Very stiff clay with silt.	41.00
41.00-42.00	1			Very stiff clay with silt.	42.00
42.00-43.00	1			Very stiff clay with silt.	43.00
43.00-44.00	1			Very stiff clay with silt.	44.00
44.00-45.00	1			Very stiff clay with silt.	45.00
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76.00-77.00	1			Very stiff clay with silt.	77.00
77.00-78.00	1			Very stiff clay with silt.	78.00
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82.00-83.00	1			Very stiff clay with silt.	83.00
83.00-84.00	1			Very stiff clay with silt.	84.00
84.00-85.00	1			Very stiff clay with silt.	85.00
85.00-86.00	1			Very stiff clay with silt.	86.00
86.00-87.00	1			Very stiff clay with silt.	87.00
87.00-88.00	1			Very stiff clay with silt.	88.00
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91.00-92.00	1			Very stiff clay with silt.	92.00
92.00-93.00	1			Very stiff clay with silt.	93.00
93.00-94.00	1			Very stiff clay with silt.	94.00
94.00-95.00	1			Very stiff clay with silt.	95.00
95.00-96.00	1			Very stiff clay with silt.	96.00
96.00-97.00	1			Very stiff clay with silt.	97.00
97.00-98.00	1			Very stiff clay with silt.	98.00
98.00-99.00	1			Very stiff clay with silt.	99.00
99.00-100.00	1			Very stiff clay with silt.	100.00



Open Geoscience

OpenGeoscience

BGS Data

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The BGS has a wide range of datasets and wants to increase access to these by publishing as many as possible under OpenGeoscience. OpenGeoscience is a free service where you can view maps and download data, scans, photos and other information. The services available under OpenGeoscience include:

- the [BGS Geology Viewer](#)
- access to over a million [borehole scans](#)
- the [GeoScenic](#) geological photographic archive, where you can search for and download photos
- published [paper maps and sections](#) from 1832 to 2014 and [printed publications](#) from 1835 to the present
- the [BGS ArcGIS Online Open Data Hub](#)

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Open access to a number of our digital scan collections, including borehole log scans and published maps.

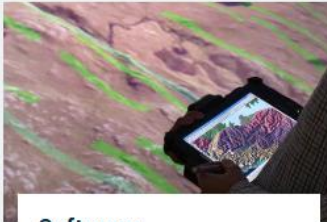
→ [Show more](#)



Publications

Free-to-view publications produced by the BGS and other bodies whose responsibility was later taken over by the survey.

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Software

As part of its ongoing research, BGS have developed a number of software tools to advance their understanding of scientific systems and help them model geological and hydrogeological processes.

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Web services and APIs

More of our information is accessible through web services and linked data to encourage developers to use and innovate it within their own systems

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Scans, photos and publications that are stored and managed by the BGS

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Map data downloads

A number of our datasets are available for you to download onto your system for your own use.

→ [Show more](#)

BGS Geology Viewer 2D & 3D

BGS Geology Viewer

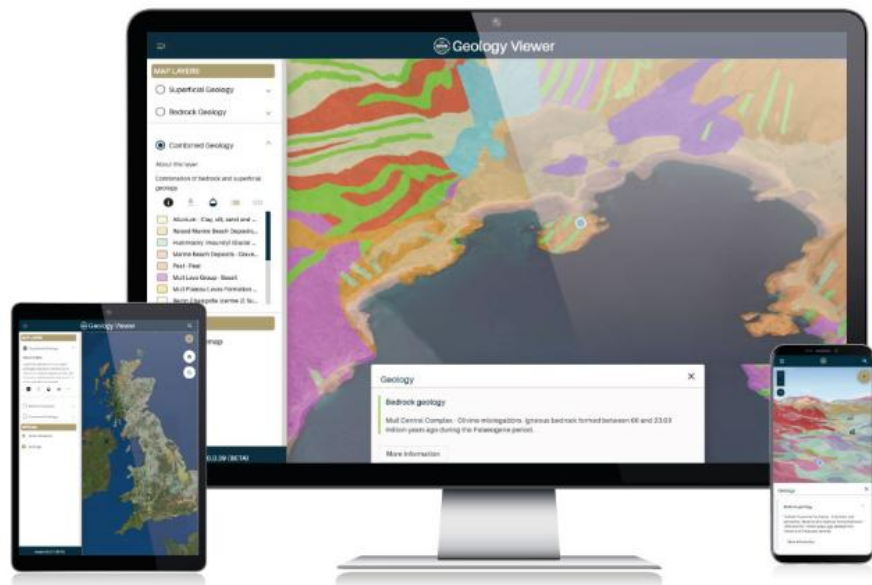
BGS Map Viewers

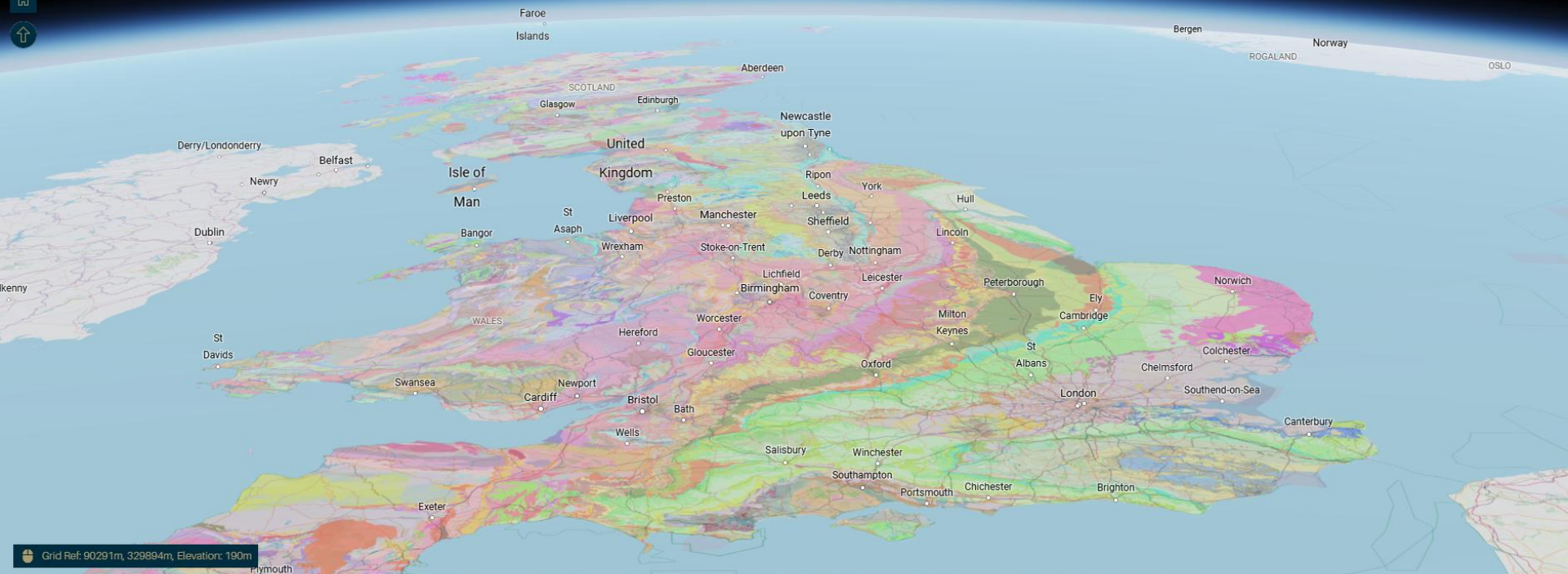
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Contents

- Overview
- Features
- FAQs
- Installation guide
- Terms of use
- You may also be interested in



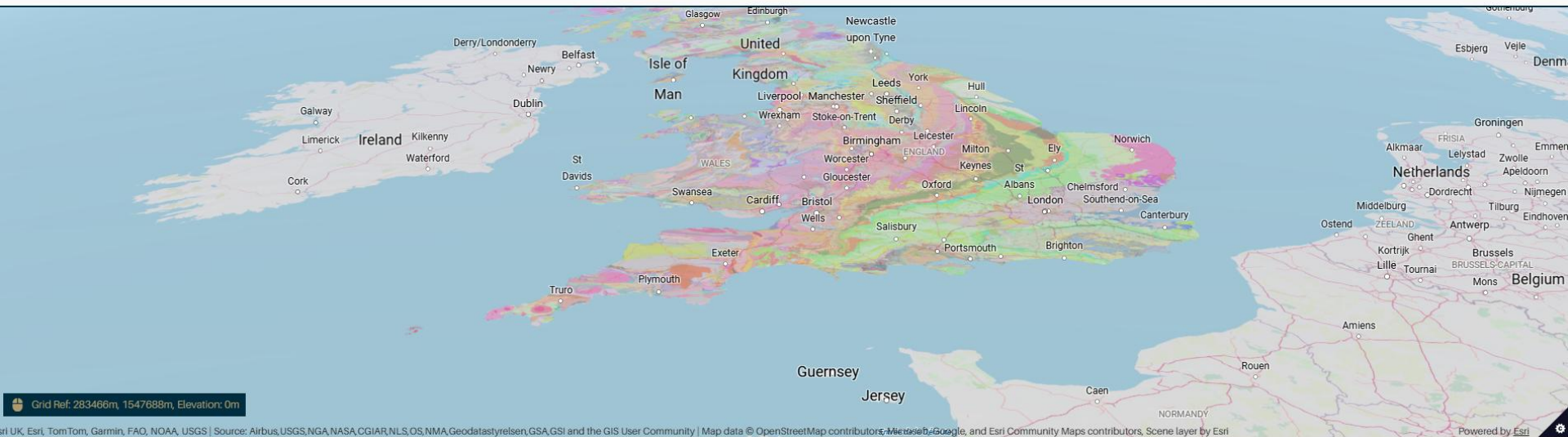


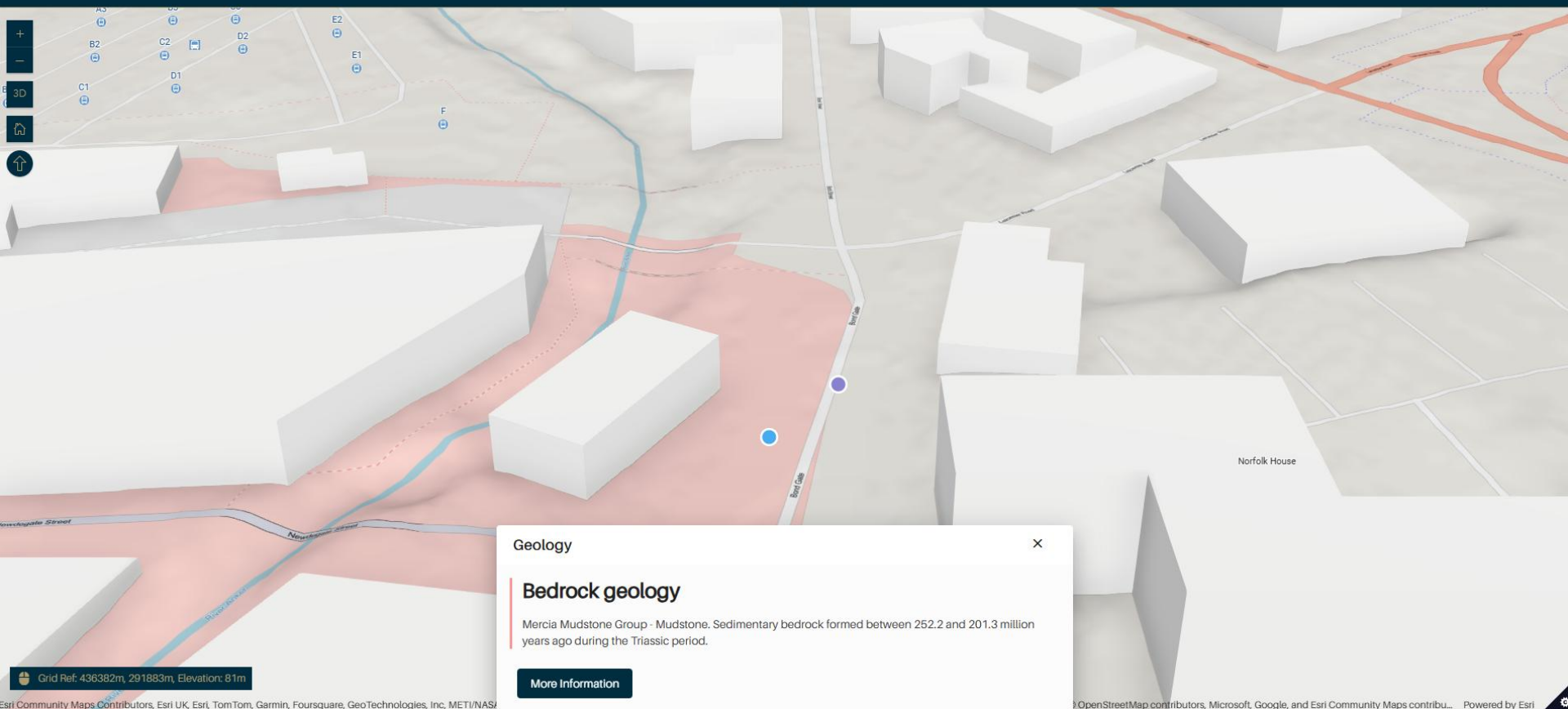
Nuneaton



X

Nuneaton & Bedworth Leisure Trust, 4 Newdegate Street, Nuneaton and Bedworth, Nuneaton, Warwickshire, England, CV11 4EL, GBR







MAP LAYERS

☐ Superficial Geology

☒ Bedrock Geology

About this layer:

Bedrock geology is a term used for the main mass of rocks forming the Earth that are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.



Info



Opacity



Legend

☐ Combined Geology

OPTIONS

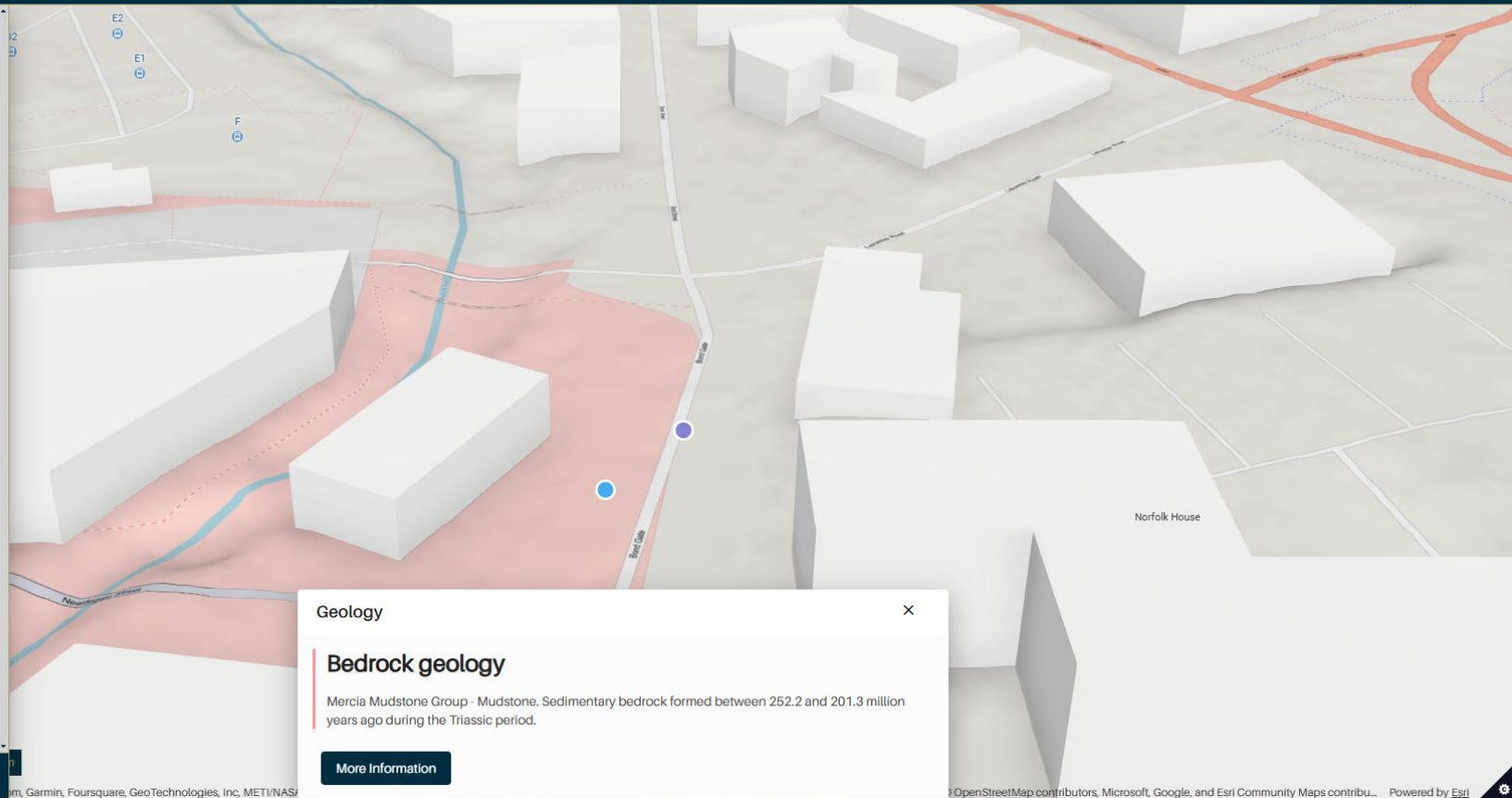
Select Basemap

Settings

Contact BGS

More data? Try BGS GeoIndex

Version 1.3.0 (BETA)



Geology



Bedrock geology

Mercia Mudstone Group - Mudstone. Sedimentary bedrock formed between 252.2 and 201.3 million years ago during the Triassic period.

[More Information](#)

OpenStreetMap contributors, Garmin, Foursquare, GeoTechnologies, Inc, METI/NAS/

OpenStreetMap contributors, Microsoft, Google, and Esri Community Maps contribu... Powered by Esri

1.3



MAP LAYERS

☐ Superficial Geology ▼

☒ Bedrock Geology ▲

About this layer:

Bedrock geology is a term used for the main mass of rocks forming the Earth that are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.



Info



Opacity



Legend

0%  100%

☐ Combined Geology ▼

OPTIONS

 Select Basemap

 Settings

 Contact BGS

MAP LAYERS

☐ Superficial Geology ▼

☐ Bedrock Geology ▼

☒ Combined Geology ▲

About this layer:

Combination of bedrock and superficial geology



Info



Opacity



Legend

0%  100%

 Alluvium - Clay, silt, sand and gravel

 Mercia Mudstone Group - Mudstone

OPTIONS

 Select Basemap

 Settings

 Contact BGS

Basemaps

Ordnance Survey - Outdoor

Ordnance Survey - Light

Hybrid

Imagery

Topographic

Navigation

OpenStreetMap

Light Gray Canvas

Streets





Geology



Bedrock geology



Mercia Mudstone Group - Mudstone. Sedimentary bedrock formed between 252.2 and 201.3 million years ago during the Triassic period.

[More Information](#)

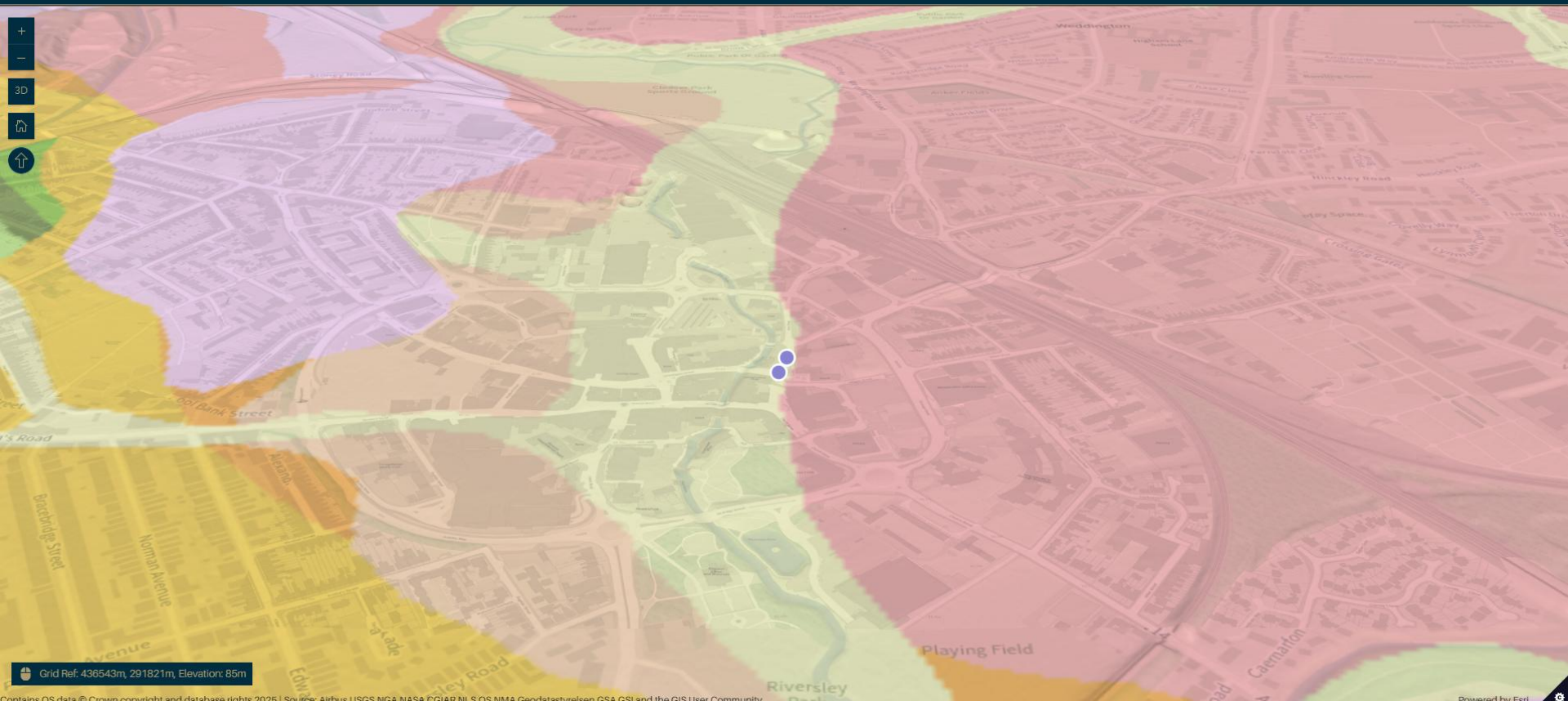
Superficial deposits



Alluvium - Clay, silt, sand and gravel. Sedimentary superficial deposit formed between 11.8 thousand years ago and the present during the Quaternary period.

[More Information](#)

Grid Ref: 436421m, 291859m, Elevation: 82m

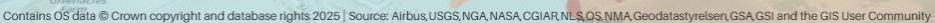


Grid Ref: 436543m, 291821m, Elevation: 85m

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GeoIndex

GeoIndex

Introduction

Data Sets / Layers

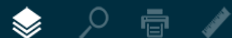
Controls



British
Geological
Survey

GeoIndex Onshore

Enter location



Data

Welcome to the Onshore GeoIndex

To begin click on 'Add Data' to add a new layer to the map and zoom to a location using the 'Enter location' box.

The Onshore GeoIndex is now mobile friendly, opening with a simplified user interface on a smartphone or tablet.

Add Data Show Legend



Location: -54147, 823580





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Geological
Survey

GeoIndex Onshore

Q Enter location



Data

Welcome to the Onshore GeoIndex

To begin click on 'Add Data' to add a new layer to the map and zoom to a location using the 'Enter location' box.

The Onshore GeoIndex is now mobile friendly, opening with a simplified user interface on a smartphone or tablet.

Add Data

Show Legend



Help



Feedback

Desktop Help

Navigating the map

Pan: left-click on the map and drag.

Zoom: use the zoom control on the bottom-left of the map, or use the mouse wheel, or hold down the Shift key and drag a rectangle, or double-click, or use the 'Enter location' textbox.

Display map layers

The 'Data' tab will allow you to switch layers on and off. Click on 'ADD DATA' to open the 'Available Layers' window listing all the available layers. Use the 'Filter by' control on the top right of the window to search by keyword or to show only the layers in a given topic. Click on the 'Y' button to find out more information for that layer or click on the layer name to add it to the map. Close the 'Available Layers' window to return to the map and view the layer.

Each layer added to the map will have three icons: an 'Y' button to view detailed help for that layer, an opacity control and an option to clip and download the data (not available on all layers).

Show map legend

Click on the 'SHOW LEGEND' button, within the 'Data' tab, to display a legend for the currently visible layers.

Clip & Download

To download GeoIndex Onshore data clipped to an area of interest, go to the 'Data' tab and click on the  icon (if available for that layer). A dialog will open allowing you to specify your area of interest either as a rectangle, polygon or by dragging a shapefile from Windows Explorer onto the map (not available on all browsers). The data will be then be extracted in a zip file as a shapefile.

Get feature details



Location: 1603471, 1012758

Contains OS data © Crown Copyright and database right 2020

Navigating the map

Pan: left-click on the map and drag.

Zoom: use the zoom control on the bottom-left of the map, or use the mouse wheel, or hold down the Shift key and drag a rectangle, or double-click, or use the 'Enter location' textbox.

Display map layers

The 'Data' tab will allow you to switch layers on and off. Click on 'ADD DATA' to open the 'Available Layers' window listing all the available layers. Use the 'Filter by' control on the top right of the window to search by keyword or to show only the layers in a given topic. Click on the 'i' button to find out more information for that layer or click on the layer name to add it to the map. Close the 'Available Layers' window to return to the map and view the layer.

Each layer added to the map will have three icons: an 'i' button to view detailed help for that layer, an opacity control and an option to clip and download the data (not available on all layers).

Show map legend

Click on the 'SHOW LEGEND' button, within the 'Data' tab, to display a legend for the currently visible layers.

Clip & Download

To download GeoIndex Onshore data clipped to an area of interest, go to the 'Data' tab and click on the  icon (if available for that layer). A dialog will open allowing you to specify your area of interest either as a rectangle, polygon or by dragging a shapefile from Windows Explorer onto the map (not available on all browsers). The data will be then be extracted in a zip file as a shapefile.

Get feature details

Left-click on a feature on the map will return details of that feature.

Go to location

Type a name, postcode or grid reference (e.g. 520000, 1800000) in the 'Enter location' textbox to zoom to that location.

Search map layers

To use the search tools, make one or more layers visible using 'Map Layers' and go to the 'Search' tab.

Two types of search are available

1) Spatial Search: Click on either the 'RECTANGLE', 'POLYGON' or 'CIRCLE' buttons to select a search shape. Draw the shape on the map following the on-screen instructions. A results window will open and only those features within the search shape will be shown on the map.

2) Attribute Search: Click on the 'QUERY' button. Select a layer to search, enter the search text and click the 'SEARCH' button. To create more complex queries click on the 'Advanced attribute search' checkbox. A results window will open and only the features that contain the search text will be displayed on the map.

The 'CLEAR SELECTION' button will hide the results window and remove any active search query.

Results window

Hover over a row to highlight the feature on the map (in yellow). Double click on the row to zoom to the feature.

Exporting results

Click on the 'EXPORT SELECTION' button to download an Excel compatible tab delimited text file of the results shown in the currently active tab of the results table.

Printable map

Go on the 'Create PDF report' tab, enter a map name and then click on the 'GENERATE REPORT' button to generate a printable, PDF report containing map and legend and any results from the results window.

Measure

Click first on the 'Measure' tab and either on the Distance or Area buttons. Draw the selected shape following the on-screen instructions.

Mobile Version

If the GeoIndex Onshore is opened on a device with a small screen, such as a smartphone, it will automatically open in mobile mode.

British Geological Survey

GeoIndex Onshore

Enter location

Data

Welcome to the Onshore GeoIndex

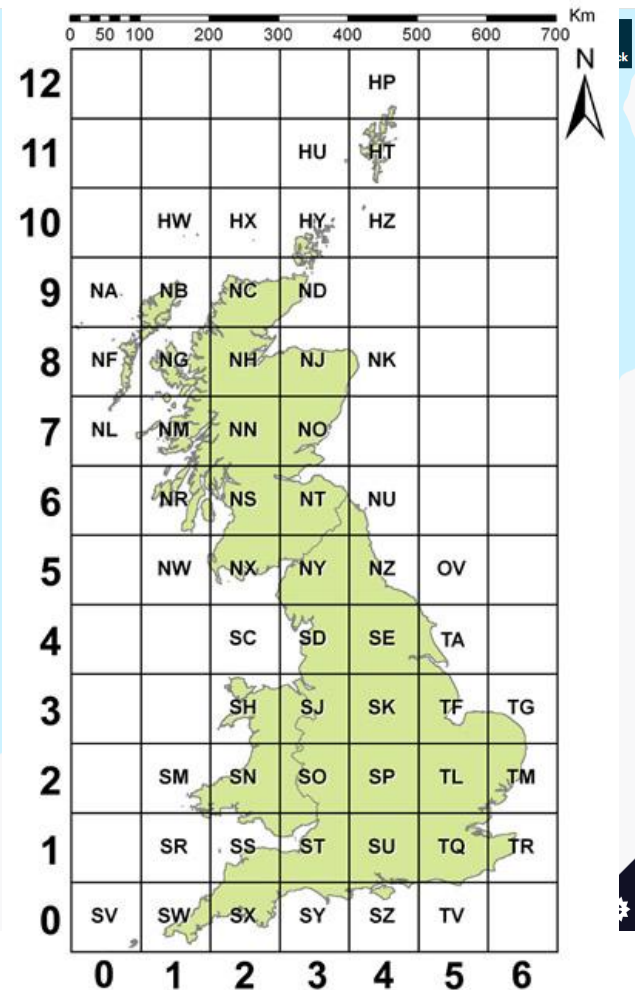
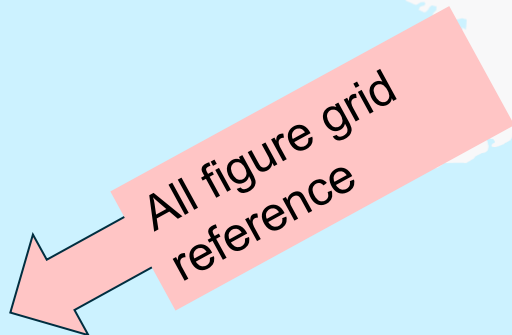
To begin click on 'Add Data' to add a new layer to the map and zoom to a location using the 'Enter location' box.

The Onshore GeoIndex is now mobile friendly, opening with a simplified user interface on a smartphone or tablet.

[Add Data](#) [Show Legend](#)



Location: -68043, 366776





British
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GeoIndex Onshore

 *Enter location*



Data

Welcome to the Onshore GeoIndex

To begin click on 'Add Data' to add a new layer to the map and zoom to a location using the 'Enter location' box.

The Onshore GeoIndex is now mobile friendly, opening with a simplified user interface on a smartphone or tablet.

[Add Data](#)

[Show Legend](#)



British Geological Survey

GeoIndex Onshore



Data

☒ Linear features 1:50,000 scale 

☒ Superficial deposits 1:50,000 scale 

☒ Bedrock geology 1:50,000 scale 

Add DataShow Legend

Available Layers

Filter by: Topic (All)

Geology

☒ Linear features 1:50,000 scale ⓘ

☒ Mass movement deposits 1:50,000 scale ⓘ

☒ Artificial ground 1:50,000 scale ⓘ

☒ Superficial deposits 1:50,000 scale ⓘ

☒ Bedrock geology 1:50,000 scale ⓘ

☒ Faults 1:625,000 scale ⓘ

☒ Dykes 1:625,000 scale ⓘ

☒ Superficial deposits 1:625,000 scale ⓘ

☒ Bedrock geology 1:625,000 scale ⓘ

☒ Parent Material 1:50,000 scale ⓘ

☒ Parent Material 1km resolution ⓘ

Boreholes

☒ Borehole records ⓘ

☒ South West Radiometric: TOT ⓘ

☒ South West Radiometric: UK ⓘ

☒ South West Radiometric: URA ⓘ

☒ North Midlands Magnetic: AS ⓘ

☒ North Midlands Magnetic: HGPSGRAV ⓘ

☒ North Midlands Magnetic: PSGRAV ⓘ

☒ North Midlands Magnetic: RTP ⓘ

☒ North Midlands Magnetic: RTP_1VD ⓘ

☒ North Midlands Magnetic: TILT ⓘ

☒ North Midlands Radiometric: KTh ⓘ

☒ North Midlands Radiometric: POT ⓘ

☒ North Midlands Radiometric: TERN ⓘ

☒ North Midlands Radiometric: THO ⓘ

☒ North Midlands Radiometric: TOT ⓘ

☒ North Midlands Radiometric: URA ⓘ

Click to add/remove map layers



Available Layers

Filter by: Topic (All)

Geology

- + Linear features 1:50,000 scale ⓘ
- + Mass movement deposits 1:50,000 scale ⓘ
- + Artificial ground 1:50,000 scale ⓘ
- + Superficial deposits 1:50,000 scale ⓘ
- + Bedrock geology 1:50,000 scale ⓘ
- + Faults 1:625,000 scale ⓘ
- + Dykes 1:625,000 scale ⓘ
- + Superficial deposits 1:625,000 scale ⓘ
- + Bedrock geology 1:625,000 scale ⓘ
- + Parent Material 1:50,000 scale ⓘ
- + Parent Material 1km resolution ⓘ

Boreholes

- + Borehole records ⓘ

- + South West Radiometric: TOT ⓘ
- + South West Radiometric: UK ⓘ
- + South West Radiometric: URA ⓘ
- + North Midlands Magnetic: AS ⓘ
- + North Midlands Magnetic: HGPSGRAV ⓘ
- + North Midlands Magnetic: PSGRAV ⓘ
- + North Midlands Magnetic: RTP ⓘ
- + North Midlands Magnetic: RTP_1VD ⓘ
- + North Midlands Magnetic: TILT ⓘ
- + North Midlands Radiometric: KTh ⓘ
- + North Midlands Radiometric: POT ⓘ
- + North Midlands Radiometric: TERN ⓘ
- + North Midlands Radiometric: THO ⓘ
- + North Midlands Radiometric: TOT ⓘ
- + North Midlands Radiometric: URA ⓘ

Click to add/remove map layers

Boreholes

- + Borehole records ⓘ
- + AGS Boreholes ⓘ

Boreholes Other

- + Opencast coal prospecting sites ⓘ
- + Water wells ⓘ
- + Site investigation reports ⓘ
- + Drillcore ⓘ
- + Samples ⓘ
- + Geophysical logs ⓘ
- + Well water levels ⓘ
- + Aquifer properties ⓘ
- + Geochemistry ⓘ
- + Onshore UK Hydrocarbon Well Data ⓘ

- + North Midlands Radiometric: IHO ⓘ
- + North Midlands Radiometric: TOT ⓘ
- + North Midlands Radiometric: URA ⓘ

3D Models

- + Urban Interactive Models ⓘ
- + Urban Interactive Models Top Surface ⓘ
- + LithoFrame Models ⓘ

Products

- + Aquifer vulnerability maps ⓘ
- + Hydrogeological maps ⓘ
- + Old series maps 1inch ⓘ
- + UTM series maps 250000 scale ⓘ
- + Geological memoirs ⓘ
- + Digital geological map data 50000 scale ⓘ
- + Paper 50000 scale geological map series ⓘ

Click to add/remove map layers

Available Layers

Filter by: Topic (All)

Deposited Data

- + Deposited Data – point locations ⓘ
- + Deposited Data – polygon locations ⓘ
- + Core Sample Analysis Data - OGA wells ⓘ

Collections

- + BGS rock samples ⓘ
- + Borehole drillcore & samples ⓘ
- + Geochemical samples ⓘ
- + Fossil specimens ⓘ
- + Fossil localities ⓘ

Hazards

- + Modern instrument recorded earthquakes ⓘ
- + Historical earthquakes ⓘ
- + Real-time seismograms ⓘ

- + Paper 50000 scale geological map series ⓘ
- + Digital geological map data 25000 scale ⓘ
- + Classical areas geological maps 25000 scale ⓘ
- + Digital geological map data 10000 scale ⓘ
- + Paper national grid maps 10000 scale ⓘ
- + County maps 6inch ⓘ
- + Technical reports ⓘ

Photographs

- + Geoscenic Photos ⓘ

Hydrogeology

- + Hydrogeology 1:625,000 scale ⓘ

Hydrogeology Wales

- + Groundwater Vulnerability Wales: Superficial Deposits ⓘ

Click to add/remove map layers

Available Layers

Filter by: Topic (All) ▼

- + Modern instrument recorded earthquakes ⓘ
- + Historical earthquakes ⓘ
- + Real-time seismograms ⓘ
- + Seismic hazard maps: 0.2s SA 95 (g) ⓘ
- + Seismic hazard maps: 0.2s SA 475 (g) ⓘ
- + Seismic hazard maps: 0.2s SA 1100 (g) ⓘ
- + Seismic hazard maps: 0.2s SA 2475 (g) ⓘ
- + Seismic hazard maps: 1.0s SA 95 (g) ⓘ
- + Seismic hazard maps: 1.0s SA 475 (g) ⓘ
- + Seismic hazard maps: 1.0s SA 1100 (g) ⓘ
- + Seismic hazard maps: 1.0s SA 2475 (g) ⓘ
- + Seismic hazard maps: PGA 95 (g) ⓘ
- + Seismic hazard maps: PGA 475 (g) ⓘ
- + Seismic hazard maps: PGA 1100 (g) ⓘ
- + Seismic hazard maps: PGA 2475 (g) ⓘ

Hydrogeology Wales

- + Groundwater Vulnerability Wales: Superficial Deposits ⓘ
- + Groundwater Vulnerability Wales: Bedrock Geology ⓘ
- + Aquifer Designation Wales: Superficial Deposits ⓘ
- + Aquifer Designation Wales: Bedrock Geology ⓘ

Minerals

- + Mineral Planning Authorities ⓘ
- + Mineral Occurrences ⓘ
- + Mineral Planning Permissions 1997-2007 ⓘ
- + Mineral Planning Permissions 1997-2007 (Point dataset) ⓘ
- + Opencast Coal (worked area) 2006 ⓘ
- + Mines and quarries ⓘ

Click to add/remove map layers

Available Layers

Filter by: Topic (All) ▼

- + Modern instrument recorded earthquakes ⓘ
- + Historical earthquakes ⓘ
- + Real-time seismograms ⓘ
- + Seismic hazard maps: 0.2s SA 95 (g) ⓘ
- + Seismic hazard maps: 0.2s SA 475 (g) ⓘ
- + Seismic hazard maps: 0.2s SA 1100 (g) ⓘ
- + Seismic hazard maps: 0.2s SA 2475 (g) ⓘ
- + Seismic hazard maps: 1.0s SA 95 (g) ⓘ
- + Seismic hazard maps: 1.0s SA 475 (g) ⓘ
- + Seismic hazard maps: 1.0s SA 1100 (g) ⓘ
- + Seismic hazard maps: 1.0s SA 2475 (g) ⓘ
- + Seismic hazard maps: PGA 95 (g) ⓘ
- + Seismic hazard maps: PGA 475 (g) ⓘ
- + Seismic hazard maps: PGA 1100 (g) ⓘ
- + Seismic hazard maps: PGA 2475 (g) ⓘ

Hydrogeology Wales

- + Groundwater Vulnerability Wales: Superficial Deposits ⓘ
- + Groundwater Vulnerability Wales: Bedrock Geology ⓘ
- + Aquifer Designation Wales: Superficial Deposits ⓘ
- + Aquifer Designation Wales: Bedrock Geology ⓘ

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- + Mineral Planning Authorities ⓘ
- + Mineral Occurrences ⓘ
- + Mineral Planning Permissions 1997-2007 ⓘ
- + Mineral Planning Permissions 1997-2007 (Point dataset) ⓘ
- + Opencast Coal (worked area) 2006 ⓘ
- + Mines and quarries ⓘ

Click to add/remove map layers

Available Layers

Filter by: Topic (All) ▼

- + SMP & LPD Coastline Inundation 2100 ⓘ
- + SMP & LPD Coastline Inundation 2080 ⓘ
- + SMP & LPD Coastline Inundation 2050 ⓘ
- + SMP & LPD Coastline Cliff Erosion Mean ⓘ
- + SMP & LPD Coastline Cliff Erosion Worst ⓘ
- + Authority Coastline Inundation 2100 ⓘ
- + Authority Coastline Inundation 2080 ⓘ
- + Authority Coastline Inundation 2050 ⓘ
- + Authority Coastline Cliff Erosion Mean ⓘ
- + Authority Coastline Cliff Erosion Worst ⓘ
- + Authority Area Inundation 2100 ⓘ
- + Authority Area Inundation 2080 ⓘ
- + Authority Area Inundation 2050 ⓘ
- + Erosion Domains ⓘ
- + Profile Domains ⓘ
- + Coal Licence Area (Points) ⓘ
- + Mineral Exploration Investment Grants Act ⓘ
- + Mineral Reconnaissance Programme ⓘ
- + Vein Minerals ⓘ
- + Metallic Minerals (Wales) ⓘ
- + Mineral Assessment Area ⓘ
- + Glacial Limit ⓘ
- + Chalk ⓘ
- + Brick Clay ⓘ
- + Peat ⓘ
- + Fireclay ⓘ
- + Igneous Rock ⓘ
- + Limestone ⓘ
- + Sandstone ⓘ
- + Silica Sand ⓘ

Click to add/remove map layers

+ Profile Domains ⓘ

+ Coastal Historic Data ⓘ

+ Coastal Historic Data Sections ⓘ

Engineering Geology

+ Urban Study Area Reports ⓘ

+ Engineering Geology Formation Study Reports ⓘ

+ 1:1M Superficial Engineering Geology ⓘ

+ 1:1M Bedrock Engineering Geology ⓘ

Geochemistry

+ GBASE Top soil samples ⓘ

+ GBASE soil profile samples ⓘ

+ GBASE Stream sediment samples ⓘ

+ GBASE Stream water samples ⓘ

+ GBASE Panned drainage sediment ⓘ

+ Silica Sand ⓘ

+ Potash ⓘ

+ Gypsum ⓘ

+ Salt ⓘ

+ Polyhalite ⓘ

+ Ball Clay ⓘ

+ Kaolin ⓘ

+ Fuller's Earth ⓘ

+ Slate ⓘ

+ Slate Waste ⓘ

+ Base of Coal Measures contours ⓘ

+ Shallow Coal ⓘ

+ Coal 2m thick 600m to 1200m depth ⓘ

+ Deep Coal ⓘ

+ Superficial Sand and Gravel ⓘ

Click to add/remove map layers

Available Layers

Filter by: Topic (All) ▼

+ GBASE Stream water samples ⓘ

+ GBASE Panned drainage sediment ⓘ

+ Rock ⓘ

+ Borehole rock ⓘ

+ Geochemical atlas areas ⓘ

+ Urban geochemical reports ⓘ

+ Geochemistry: Lead (Pb) - London ⓘ

+ Geochemistry: Iron (Fe₂O₃) - London ⓘ

+ Geochemistry: Calcium (CaO) - London ⓘ

+ Geochemistry: Copper (Cu) - London ⓘ

+ Geochemistry: Nickel (Ni) - London ⓘ

Contaminant Distribution in Soil

+ NBCs in Soils: Arsenic (As) ⓘ

+ NBCs in Soils: Copper (Cu) ⓘ

+ NBCs in Soils: Lead (Pb) ⓘ

+ Deep Coal ⓘ

+ Superficial Sand and Gravel ⓘ

+ Bedrock Sand and Gravel ⓘ

+ Oil Shale ⓘ

+ Building Stone ⓘ

Non-coal mining plans

+ Mine plan extents ⓘ

+ Counties (including ceremonial) ⓘ

+ Counties (metropolitan areas) ⓘ

Quaternary Domains

+ Geological Cross Sections ⓘ

+ Glacial Limits ⓘ

+ Quaternary Domains Descriptors ⓘ

GeoScour Open

Click to add/remove map layers

Available Layers

Filter by: Topic (All) ▼

- + NBCs in Soils: Copper (Cu) ⓘ
- + NBCs in Soils: Lead (Pb) ⓘ
- + NBCs in Soils: Nickel (Ni) ⓘ
- + NBCs in Soils: Cadmium (Cd) ⓘ

Geophysics

- + UKOGL Exploration Seismic Data ⓘ
- + British Coal geophysical logs ⓘ
- + British Coal Seismics ⓘ
- + Gravity readings ⓘ
- + High resolution airborne surveys ⓘ
- + Regional airborne magnetic surveys ⓘ
- + Regional airborne magnetic survey flight lines ⓘ
- + Local geophysical surveys ⓘ
- + Local geophysical survey lines ⓘ
- + Local geophysical survey points ⓘ

GeoScour Open

- + Catchment Stability ⓘ
- + Catchment Urban Coverage (% coverage of large urban areas) ⓘ
- + Catchment Designated Sites (% coverage of all designated sites) ⓘ
- + Catchment Flood Accommodation (% coverage of flood plains) ⓘ
- + Catchment Geological Runoff Potential ⓘ
- + Catchment Morphology ⓘ
- + Catchment Surface Geology Susceptibility Average ⓘ
- + Catchment Surface Geology Susceptibility Best ⓘ
- + Catchment Surface Geology Susceptibility Worst ⓘ

Click to add/remove map layers

- + Magnetic anomalies ⓘ
- + Magnetic anomalies (grey shaded) ⓘ
- + Magnetic anomalies (colour shaded) ⓘ
- + Gravity anomalies ⓘ
- + Gravity anomalies (grey shaded) ⓘ
- + Gravity anomalies (colour shaded) ⓘ
- + South West Magnetic: TMI AS ⓘ
- + South West Magnetic: TMI HGM ⓘ
- + South West Magnetic: TMI HGPSG ⓘ
- + South West Magnetic: TMI IGRF ⓘ
- + South West Magnetic: TMI PSG ⓘ
- + South West Magnetic: TMI RTP 1VD ⓘ
- + South West Magnetic: TMI TILT ⓘ
- + South West Radiometric: KTH ⓘ
- + South West Radiometric: POT ⓘ

Buried Valleys

- + Buried Valley Historic Centerlines ⓘ
- + Buried Valley Historic Margins ⓘ
- + Modelled Thickness of Buried Valleys ⓘ
- + Buried Valleys: Poor BH density mask ⓘ

Environmental Designations England

- + English Heritage Scheduled Ancient Monuments ⓘ
- + Natural England Ramsar ⓘ
- + Natural England Special Area of Conservation ⓘ
- + Natural England Special Protection Area ⓘ
- + Natural England Site of Special Scientific Interest ⓘ
- + Natural England National Nature Reserve ⓘ
- + Natural England National Park ⓘ

Click to add/remove map layers

Available Layers

Filter by: Topic (All) ▼

+ South West Magnetic: TMI P30 ⓘ

+ South West Magnetic: TMI RTP 1VD ⓘ

+ South West Magnetic: TMI TILT ⓘ

+ South West Radiometric: KTH ⓘ

+ South West Radiometric: POT ⓘ

+ South West Radiometric: TERN ⓘ

+ South West Radiometric: THO ⓘ

+ Natural England Special Protection Area ⓘ

+ Natural England Site of Special Scientific Interest ⓘ

+ Natural England National Nature Reserve ⓘ

+ Natural England National Park ⓘ

+ Natural England Area of Outstanding Natural Beauty ⓘ

Surface

+ Ordnance Survey Terrain 50 DTM ⓘ

+ Ordnance Survey Terrain 50 Hillshade ⓘ

+ Ordnance Survey Terrain 50 Slope ⓘ

+ Ordnance Survey Terrain 50 Aspect ⓘ

+ OS Terrain 50 curvature ⓘ

+ OS Terrain 50 plan curvature ⓘ

+ OS Terrain 50 profile curvature ⓘ

Click to add/remove map layers



British Geological Survey

GeoIndex Onshore






Data

☒
Linear features 1:50,000 scale

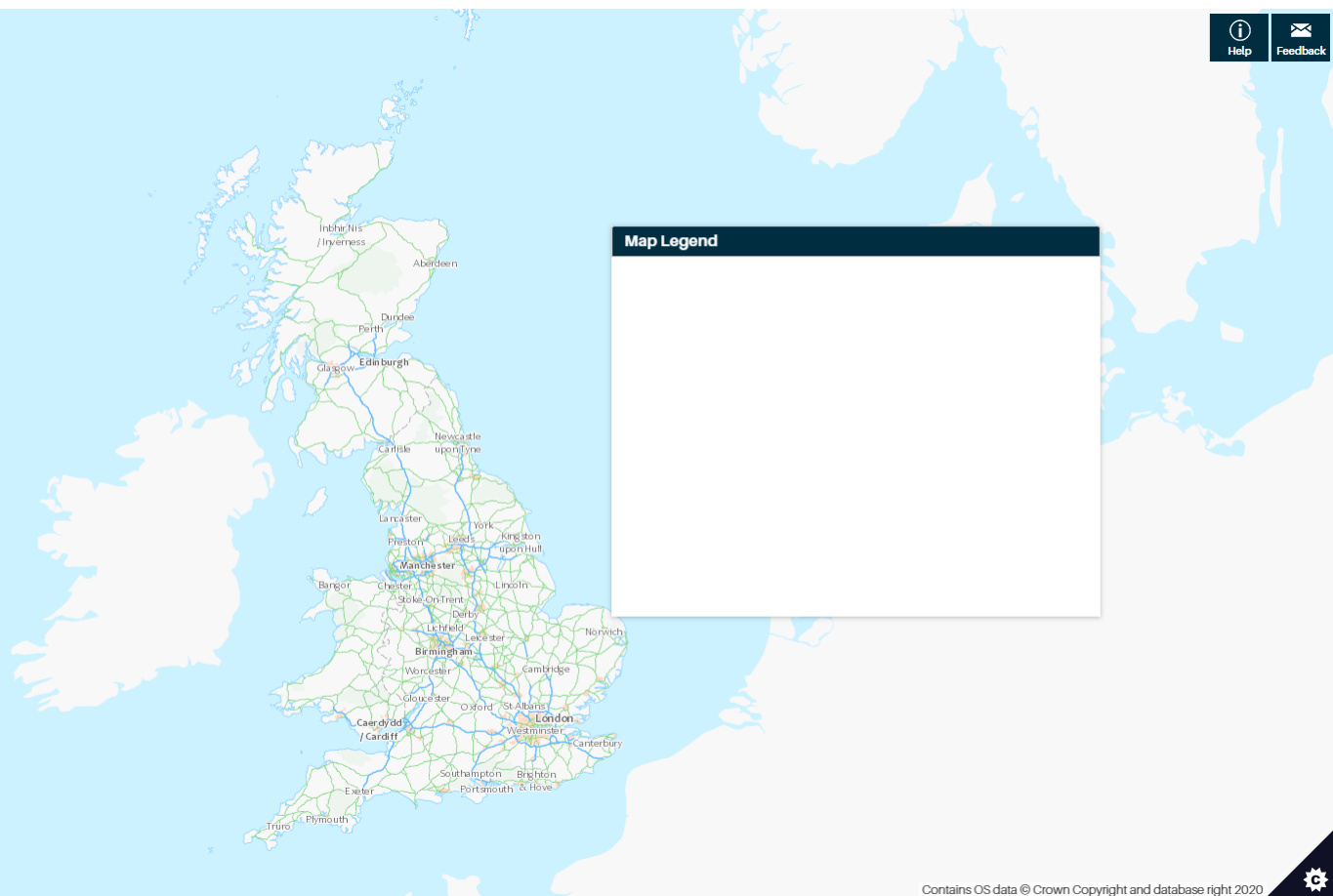
☒
Superficial deposits 1:50,000 scale

☒
Bedrock geology 1:50,000 scale

Add Data
Show Legend


Help


Feedback



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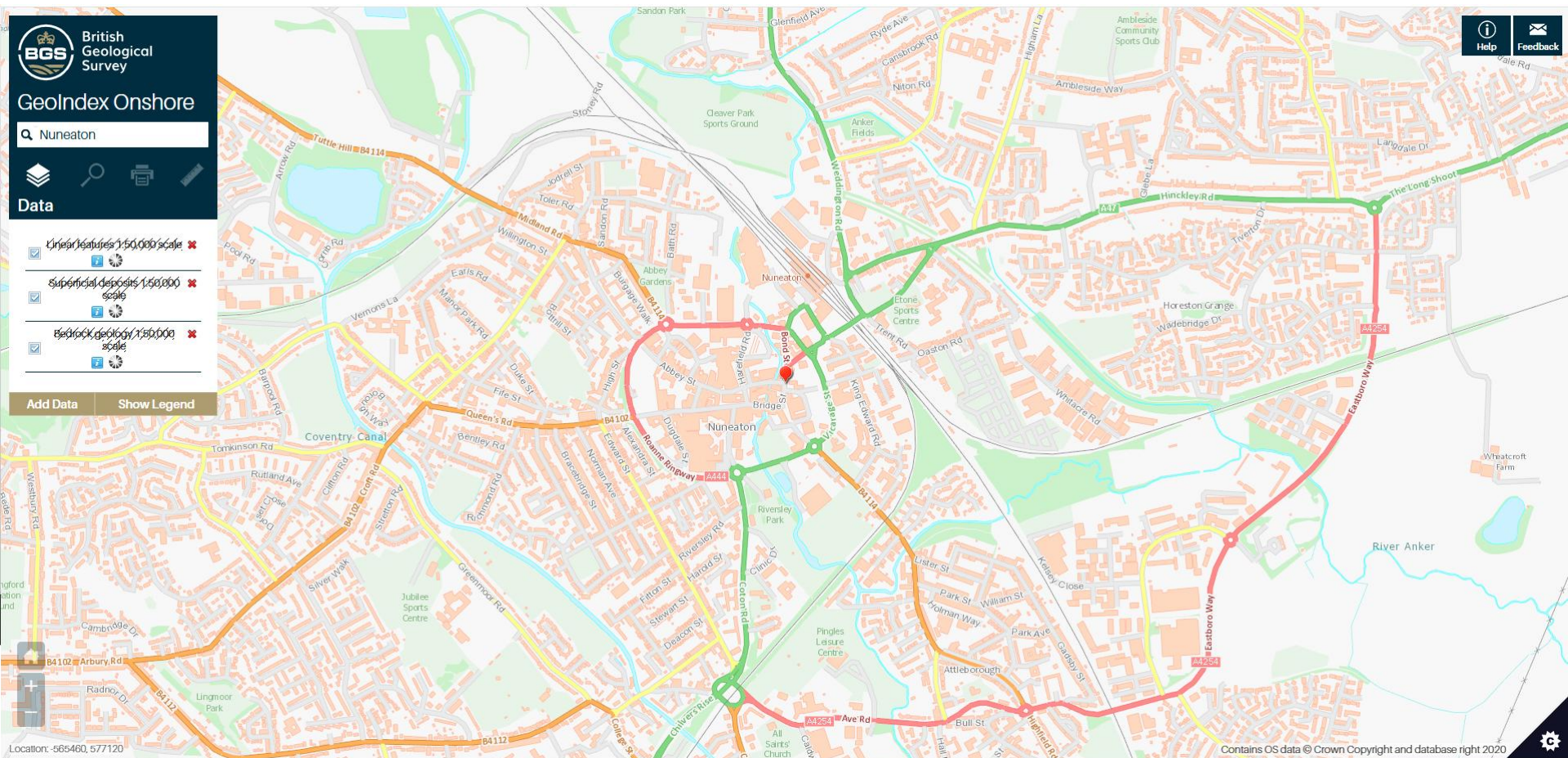
GeoIndex Onshore

Data

- ☒ Linear features 1:50,000 scale 
- ☒ Superficial deposits 1:50,000 scale 
- ☒ Bedrock geology 1:50,000 scale 

Add Data **Show Legend**



[Shift] + drag a rectangle to enlarge

BGS British Geological Survey

GeolIndex Onshore

Enter location

Data

Welcome to the Onshore GeolIndex

To begin click on 'Add Data' to add a new layer to the map and zoom to a location using the 'Enter location' box.

The Onshore GeolIndex is now mobile friendly, opening with a simplified user interface on a smartphone or tablet.

Add Data **Show Legend**

Enlarge/shrink with mouse wheel
Drag map with mouse



British Geological Survey

GeoIndex Onshore



Data

Welcome to the Onshore GeoIndex

To begin click on 'Add Data' to add a new layer to the map and zoom to a location using the 'Enter location' box.

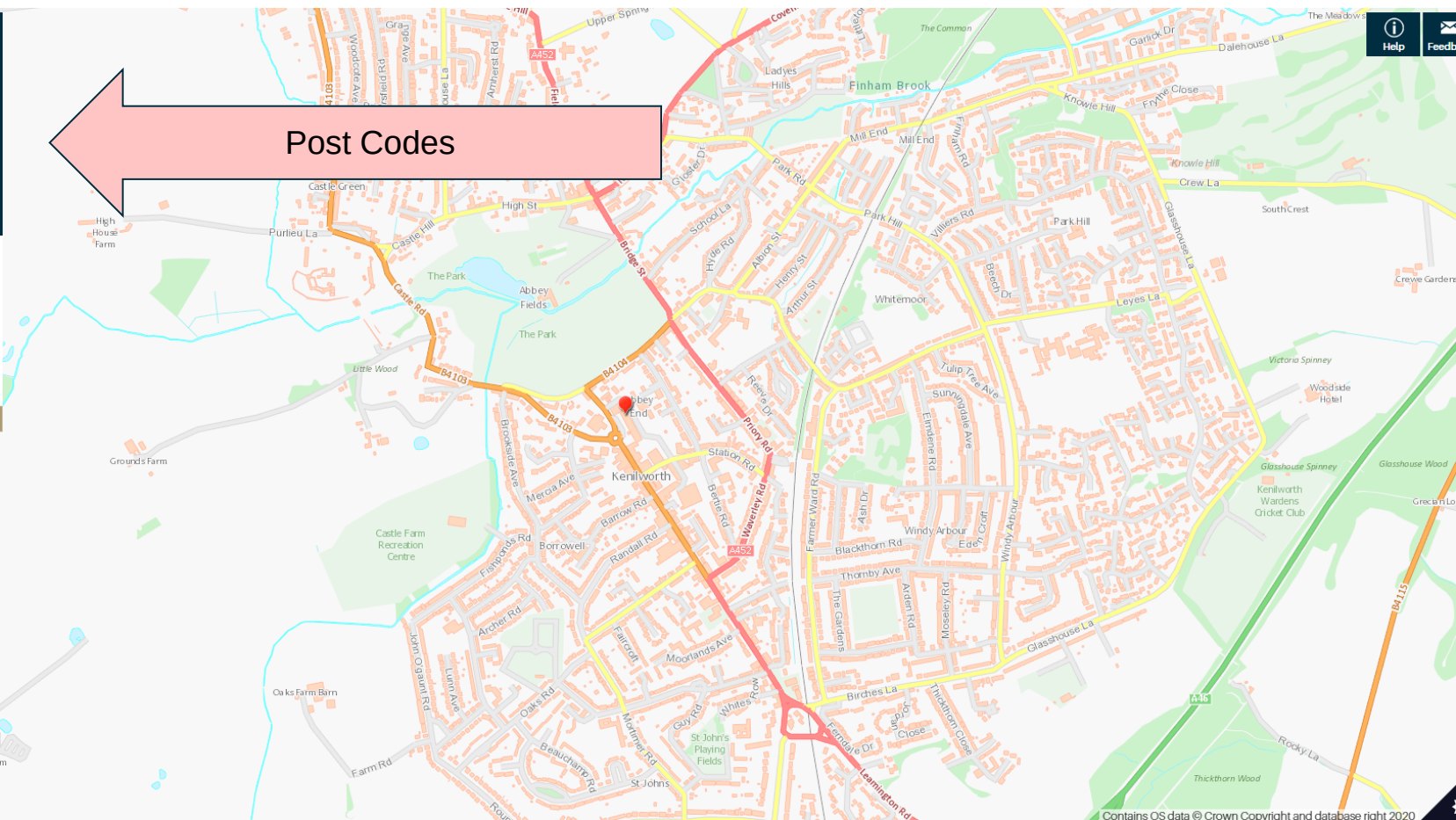
The Onshore GeoIndex is now mobile friendly, opening with a simplified user interface on a smartphone or tablet.

Add DataShow Legend



Location: -511220, 766297

Post Codes



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British Geological Survey

GeoIndex Onshore

Q 428723, 271879



Data

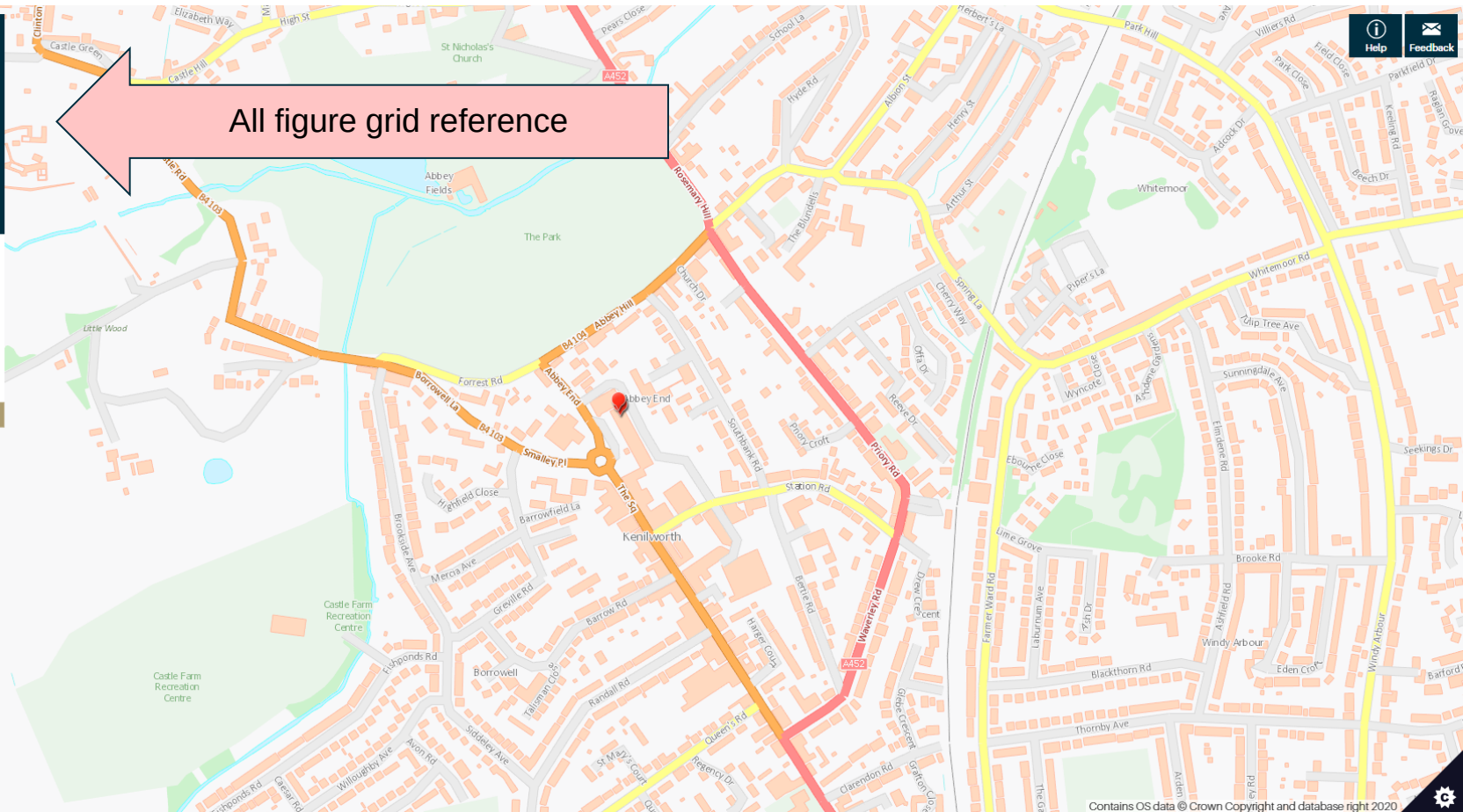
Welcome to the Onshore GeoIndex

To begin click on 'Add Data' to add a new layer to the map and zoom to a location using the 'Enter location' box.

The Onshore GeoIndex is now mobile friendly, opening with a simplified user interface on a smartphone or tablet.

Add Data

Show Legend



Location: 428207, 271312

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GeoIndex

50k Geology
Lithostratigraphic Lexicon

 British Geological Survey

GeoIndex Onshore

Q Nuneaton

Data

☐ Linear features 1:50,000 scale 

☒  

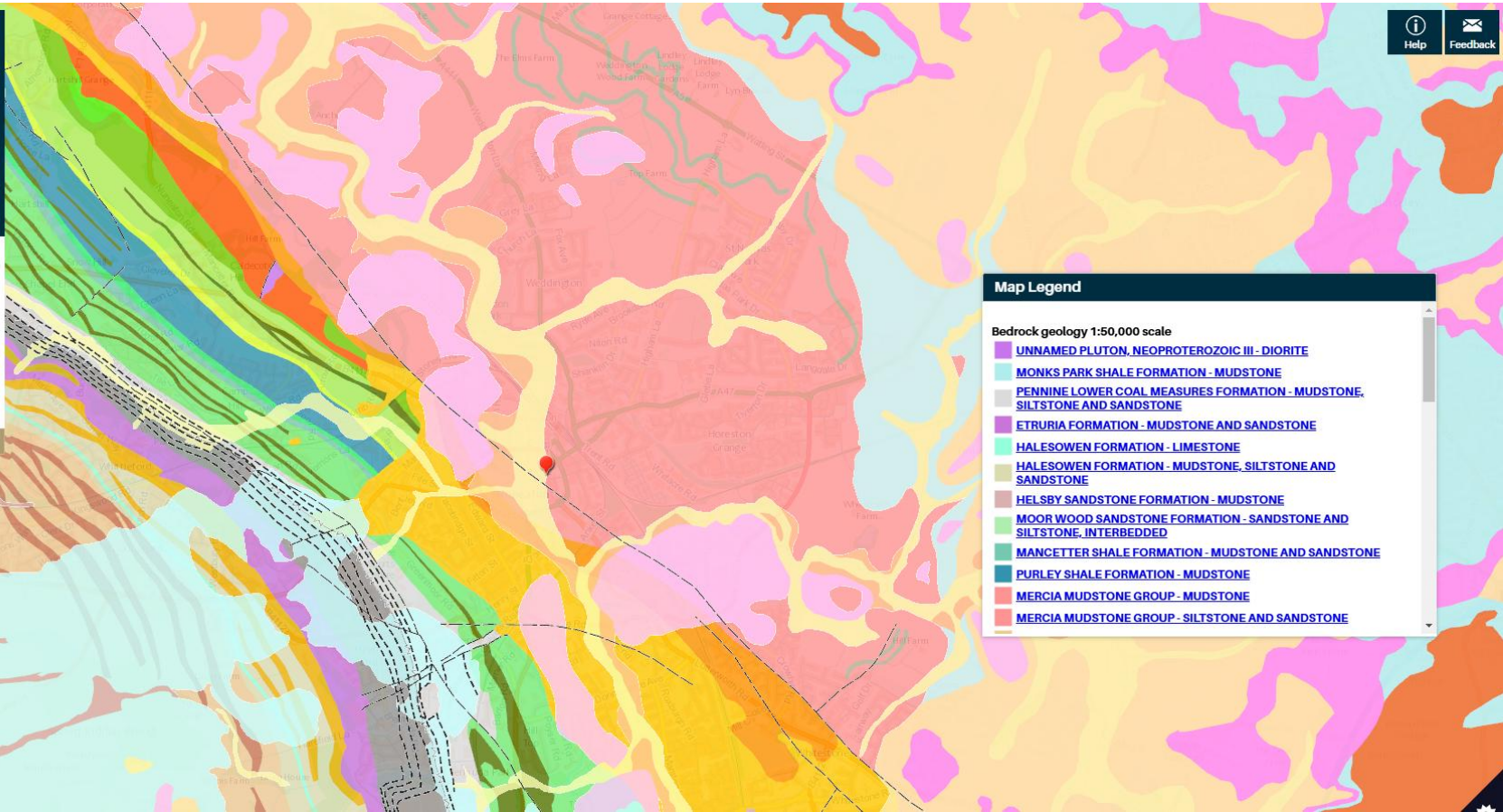
☒ Superficial deposits 1:50,000 scale 

☒  

☒ Bedrock geology 1:50,000 scale 

☒  

Add Data Show Legend



Map Legend

Bedrock geology 1:50,000 scale

-  [UNNAMED PLUTON, NEOPROTEROZOIC III - DIORITE](#)
-  [MONKS PARK SHALE FORMATION - MUDSTONE](#)
-  [PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE](#)
-  [ETRURIA FORMATION - MUDSTONE AND SANDSTONE](#)
-  [HALESOWEN FORMATION - LIMESTONE](#)
-  [HALESOWEN FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE](#)
-  [HELSEBY SANDSTONE FORMATION - MUDSTONE](#)
-  [MOOR WOOD SANDSTONE FORMATION - SANDSTONE AND SILTSTONE, INTERBEDDED](#)
-  [MANCETTER SHALE FORMATION - MUDSTONE AND SANDSTONE](#)
-  [PURLEY SHALE FORMATION - MUDSTONE](#)
-  [MERCIA MUDSTONE GROUP - MUDSTONE](#)
-  [MERCIA MUDSTONE GROUP - SILTSTONE AND SANDSTONE](#)

The BGS Lexicon of Named Rock Units — Result Details

Unnamed Pluton, Neoproterozoic III

Computer Code:	UPA3	Preferred Map Code:	notEntered
Status Code:	Pending Upgrade		
Age range:	Ediacaran Period (AD) — Ediacaran Period (AD)		
Lithological Description:	Igneous rock.		
Definition of Lower Boundary:	none recorded or not applicable		
Definition of Upper Boundary:	none recorded or not applicable		
Thickness:	none recorded or not applicable		
Geographical Limits:	none recorded or not applicable		
Parent Unit:	Not Applicable (-)		
Previous Name(s):	none recorded or not applicable		
Alternative Name(s):	none recorded or not applicable		
Stratotypes:			
none recorded or not applicable			
Reference(s):			
none recorded or not applicable			
1:50K maps on which the lithostratigraphical unit is found, and map code used:			
none recorded or not applicable			

- [Another Query ?](#)

The BGS Lexicon of Named Rock Units — Result Details

Pennine Lower Coal Measures Formation

Computer Code:	PLCM	Preferred Map Code:	PLCM
Status Code:	Full		
Age range:	Langsettian Substage (CA) — Langsettian Substage (CA)		
Lithological Description:	Interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstones containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part.		
Definition of Lower Boundary:	At the base of the dark grey, fissile mudstone of the Subcrenatum Marine Band with eponymous fossils, or at the base of the lowest coal of the coal-bearing sequence if this marker cannot be recognised. Typically, the formation rests conformably upon the Rossendale Formation (Millstone Grit Group). However, in north, west and east Cumbria, the Solway Basin (except the Canonbie area), the Stainmore and Northumberland troughs, on the Alston Block and in northeast Northumberland, the formation overlies conformably the repetitive mudstones, siltstones, sandstones, thin limestones and thin coals of the Stainmore Formation (Yoredale Group). In the Canonbie Coalfield, the formation is underlain unconformably by the Alston Formation (Yoredale Group).		
Definition of Upper Boundary:	At the base of the mudstone of the Vanderbekei Marine Band with eponymous fossils.		
Thickness:	Up to 650 m thick in the North Staffordshire (Potteries) Coalfield, and 720 m thick in Lancashire.		
Geographical Limits:	Central and northern England, North Wales and the north Isle of Man.		
Parent Unit:	Pennine Coal Measures Group (PCM)		
Previous Name(s):	Lower Coal Measures [Obsolete Name and Code: Use PSLCM, SWLCM, PLCM] (-1759) Grey Measures Of Yorkshire And Nottingham [Obsolete Name And Code: See PLCM And PMCM] (GRM) Lower Coal Measures Formation [Obsolete Name And Code: Use PLCM, SWLCM, LCMS] (LCM)		
Alternative Name(s):	<i>none recorded or not applicable</i>		

Stratotypes:

Partial Type Section	Base: Natural section in the River Little Don, Langsett [SE 2215 0041] basal Stratotype for the Langsettian Stage with up to 2m section including the Subcrenatum Marine Band. Owens et al., 1985
Reference Section	Top boundary: Mudstone in the Vanderbekei Marine Band, Miry Wood, Apedale. To be designated a RIGS site.
Reference Section	Top part: From 2100 ft (640m) to 1045 ft (318.5m) in constructed stratigraphical section (V5 British Coal, G7 British Geological Survey), Hesketh Back Cut (Crosscut), Chatterley Whitfield Colliery, Stoke-on-Trent.
Reference Section	Ballavaarkish (Shellag North) Borehole [NX 4625 0070], north Isle of Man includes the Pennine Lower Coal Measures Formation from 120.75m (the top of the cored section) to the base of the Subcrenatum Marine Band at about 136.8m depth. Chadwick et al. 2001
Reference Section	Base and lower part: From surface down to 1806 ft 10 ins (550.7 m) depth, Ridgeway Borehole (SJ85SE14).



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Data

☒ Linear features 1:50,000 scale ☐



☒ Superficial deposits 1:50,000 scale ☐



☒ Bedrock geology 1:50,000 scale ☐



Full

Transparency

None

Add Data

Show Legend



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GeoIndex Onshore



Data

☒ Linear features 1:50,000 scale ☐



☒ Superficial deposits 1:50,000 scale ☐



☒ Bedrock geology 1:50,000 scale ☐



Full

Transparency

None

Add Data

Show Legend

Adjust transparency

 British Geological Survey

GeoIndex Onshore

Data

- ☒ Linear features 1:50,000 scale 
- ☒ Superficial deposits 1:50,000 scale 
- ☒ Bedrock geology 1:50,000 scale 

Add Data **Show Legend**

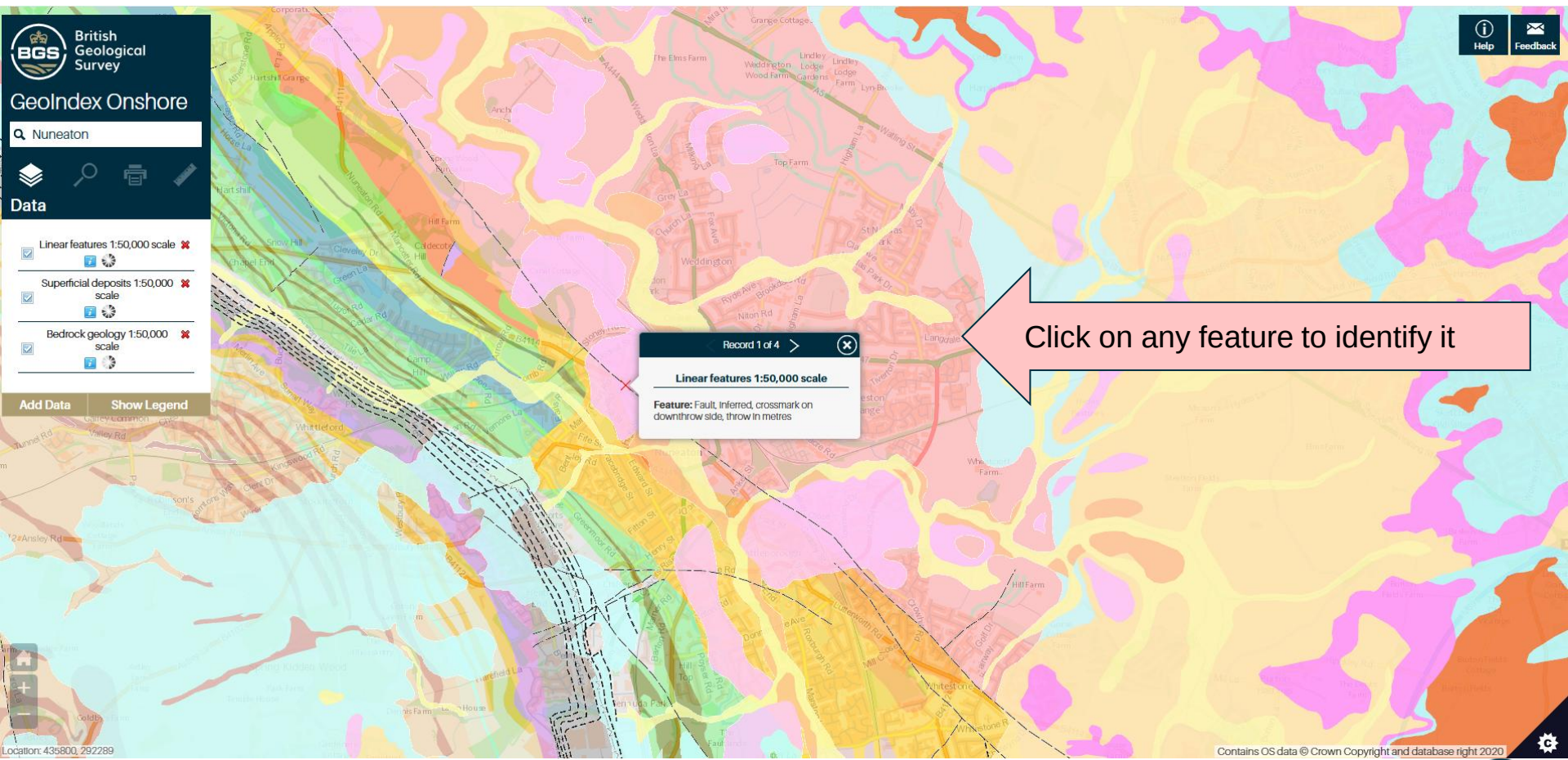


 Help  Feedback

Location: 432896, 290285

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Record 1 of 4 

Linear features 1:50,000 scale

Feature: Fault, Inferred, crossmark on downthrow side, throw in metres

Click on any feature to identify it

 British Geological Survey

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Data

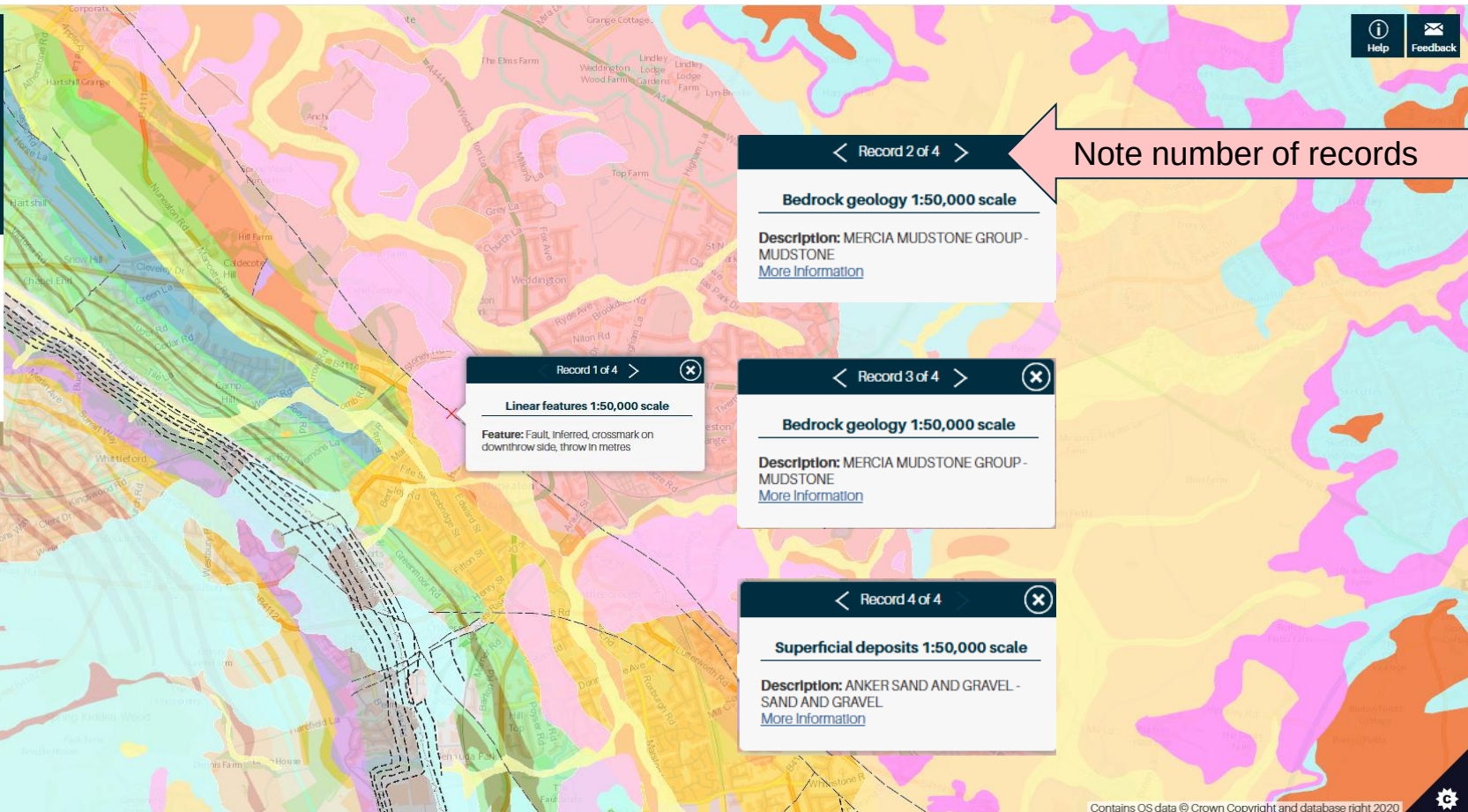
☒ Linear features 1:50,000 scale ✖

☒ Superficial deposits 1:50,000 scale ✖

☒ Bedrock geology 1:50,000 scale ✖

Location: 436800, 292289



Note number of records

The BGS Lexicon of Named Rock Units — Result Details

Anker Sand And Gravel

Computer Code:	ANSG	Preferred Map Code:	notEntered
Status Code:	Index Level		
Age range:	Quaternary Period (Q) — Quaternary Period (Q)		
Lithological Description:	Sand and gravel, with possible lenses of silt, clay or peat. [Generic description].		
Definition of Lower Boundary:	none recorded or not applicable		
Definition of Upper Boundary:	none recorded or not applicable		
Thickness:	none recorded or not applicable		
Geographical Limits:	none recorded or not applicable		
Parent Unit:	Not Entered (?)		
Previous Name(s):	none recorded or not applicable		
Alternative Name(s):	none recorded or not applicable		
Stratotypes:			
none recorded or not applicable			
Reference(s):			
none recorded or not applicable			
1:50K maps on which the lithostratigraphical unit is found, and map code used:			
none recorded or not applicable			

- [Another Query ?](#)

The BGS Lexicon of Named Rock Units — Result Details

Mercia Mudstone Group

Computer Code:	MMG	Preferred Map Code:	MMG
Status Code:	Full		
Age range:	Anisian Age (TA) — Rhaetian Age (TR)		
Lithological Description:	Dominantly red, less commonly green-grey, mudstones and subordinate siltstones with thick halite-bearing units in some basinal areas. Thin beds of gypsum/anhydrite are widespread; thin sandstones are also present. Mid Triassic (Anisian) to latest Triassic (Rhaetian).		
Definition of Lower Boundary:	The boundary with the underlying Sherwood Sandstone Group is taken at the upward transition from sandstone to mudstone- or siltstone-dominated lithologies and the incoming of pseudomorphs after halite; the boundary is usually gradational, conformable and markedly diachronous, younging towards the south. In the East Midlands, the boundary with the underlying Sherwood Sandstone Group is sharp and unconformable (Warrington 1974, fig. 40; Howard et al., 2008). The base of the group onlaps onto Carboniferous and older rocks at basin margins.		
Definition of Upper Boundary:	The boundary with the overlying Penarth Group is typically a slight unconformity marked by an abrupt upward change from the green or grey-green, dolomitic mudstones of the Blue Anchor Formation to black, fossiliferous shales of the Westbury Formation (Penarth Group). The unconformity surface may be slightly irregular and small clasts of Blue Anchor Formation lithologies commonly occur at the base of the Westbury Formation. The Blue Anchor Formation may be burrowed or have animal borings to a depth of several centimetres below the unconformity surface.		
Thickness:	Thickness variation is considerable, ranging up to 1350 m in the Cheshire Basin.		
Geographical Limits:	Onshore UK and contiguous offshore areas (equivalent strata in the Southern North Sea Basin are assigned to the Haisborough Group (HAI)).		
Parent Unit:	New Red Sandstone Supergroup (NRS)		
Previous Name(s):	Red Marl [Obsolete Name and Code: Use MMG, RDM] (-4292) Keuper Marl, Middle [Obsolete Name And Code: Use MMG] (MKM) Keuper Series, Lower [Obsolete Name And Code: Use SSG or MMG] (LKSR) Skerry Band [Obsolete Name And Code Use: MMG] (SKE) Red Marls (Saliferous) [Obsolete Name And Code Use: MMG] (SRM) Stanwix Shales Formation [Obsolete Name And Code: Use MMG] (STSH) Keuper Marl, Lower [Obsolete Name and Code: Use MMG, SIM] (LKM) Keuper Marl [Obsolete Name And Code: See MMG] (KM) Keuper Marl And Sandstone [Obsolete Name And Code: Use MMG And SSG] (KMS) Keuper "Series" [Obsolete Name And Code: Use SSG And MMG] (KSR)		
Alternative Name(s):	<i>none recorded or not applicable</i>		
Stratotypes:			
Reference Section	South Devon Coast between Sidmouth [SY 129 873] and Haven Cliff [SY 256 898] to [SY 273 894] (Jeans, 1978; Warrington and Scrivener, 1980; Gallois, 2001, 2004).		

GeoIndex

DTM (Digital Terrane Model)
Hill shading
3D 50k Geology



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Q nuneaton



Data

Ordnance Survey Terrain 50 

DTM



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Location: 427256, 292616

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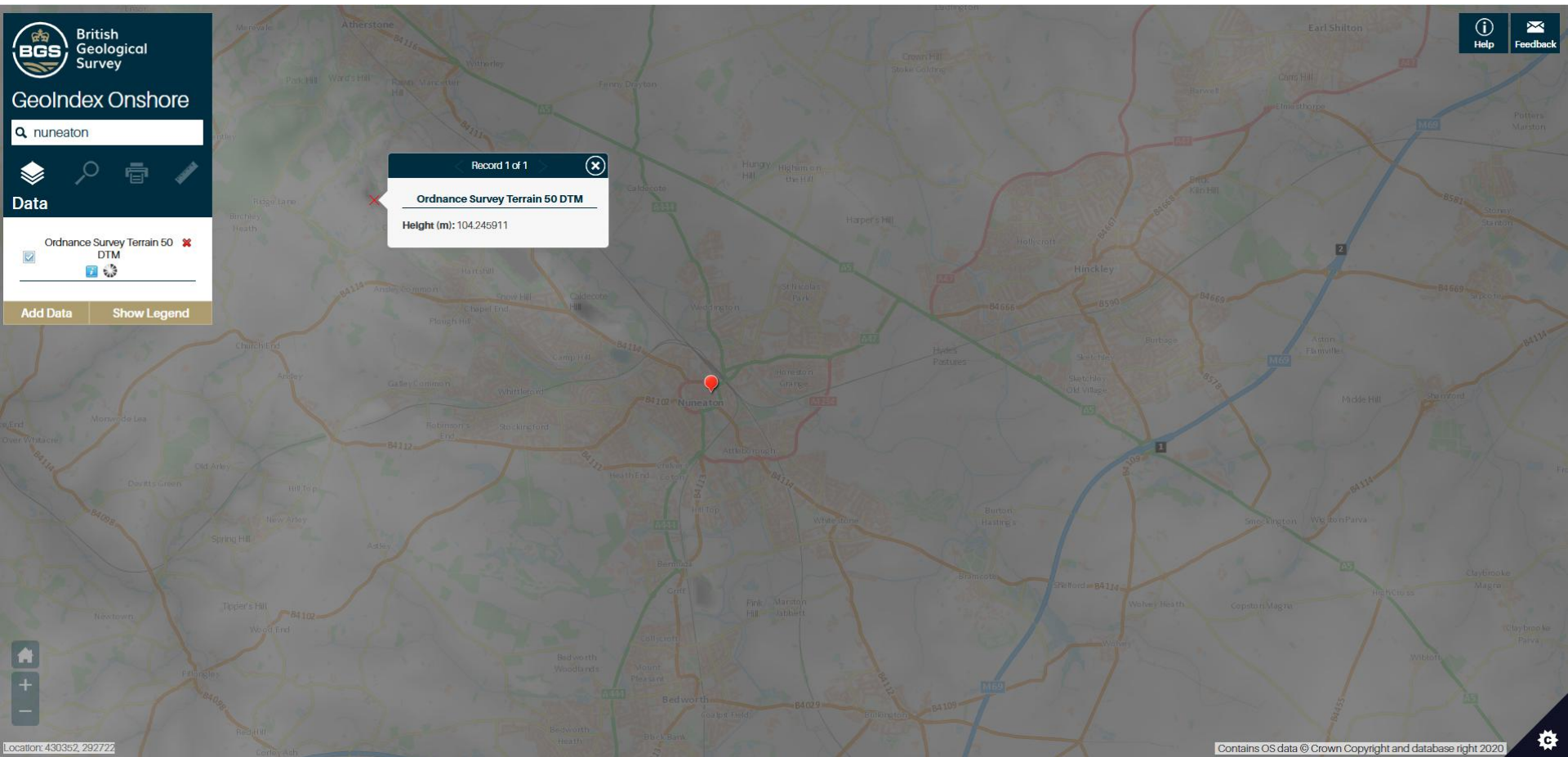


Data

☒ Ordnance Survey Terrain 50 DTM



Add DataShow Legend



 British Geological Survey

GeoIndex Onshore

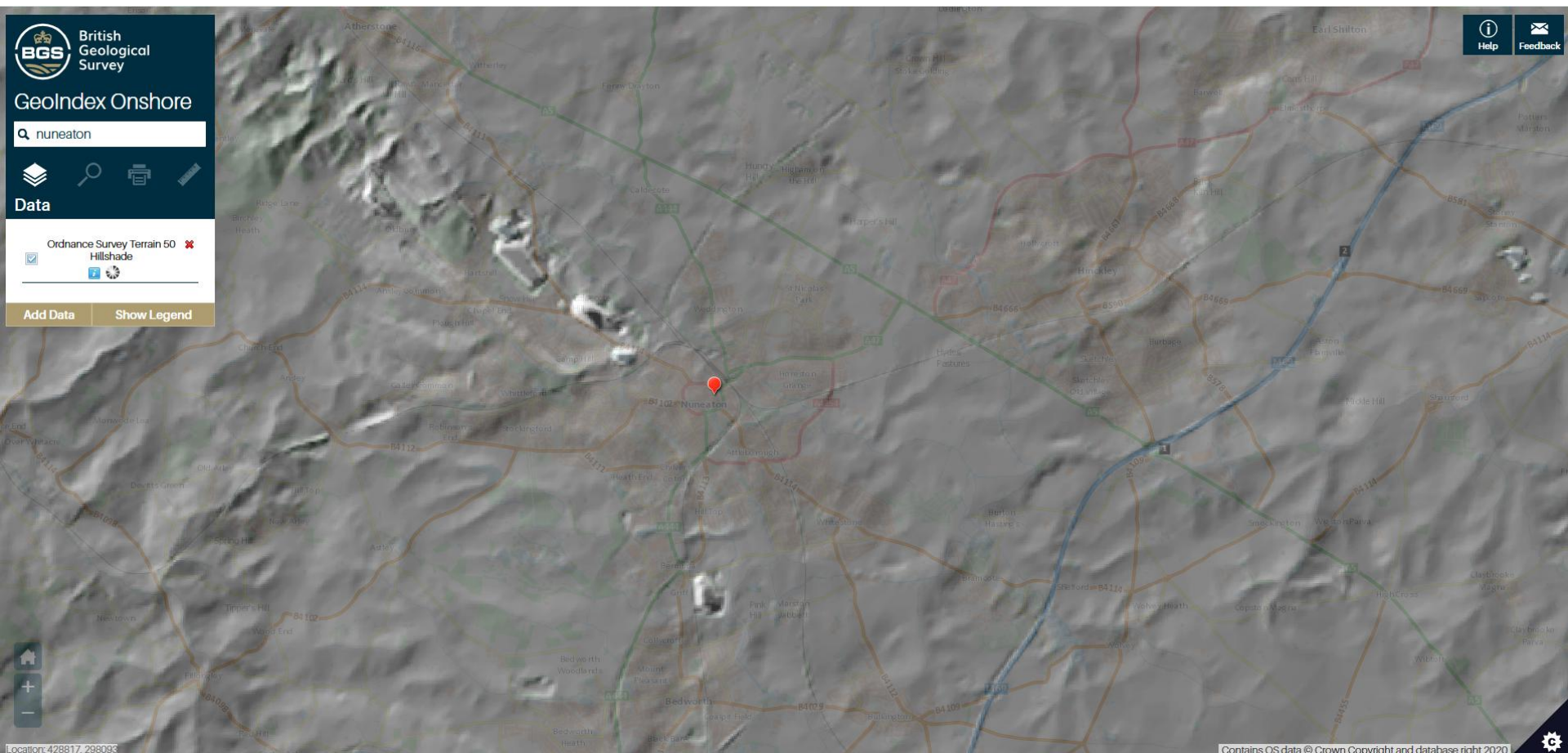
   

Data

☒ Ordnance Survey Terrain 50 Hillshade

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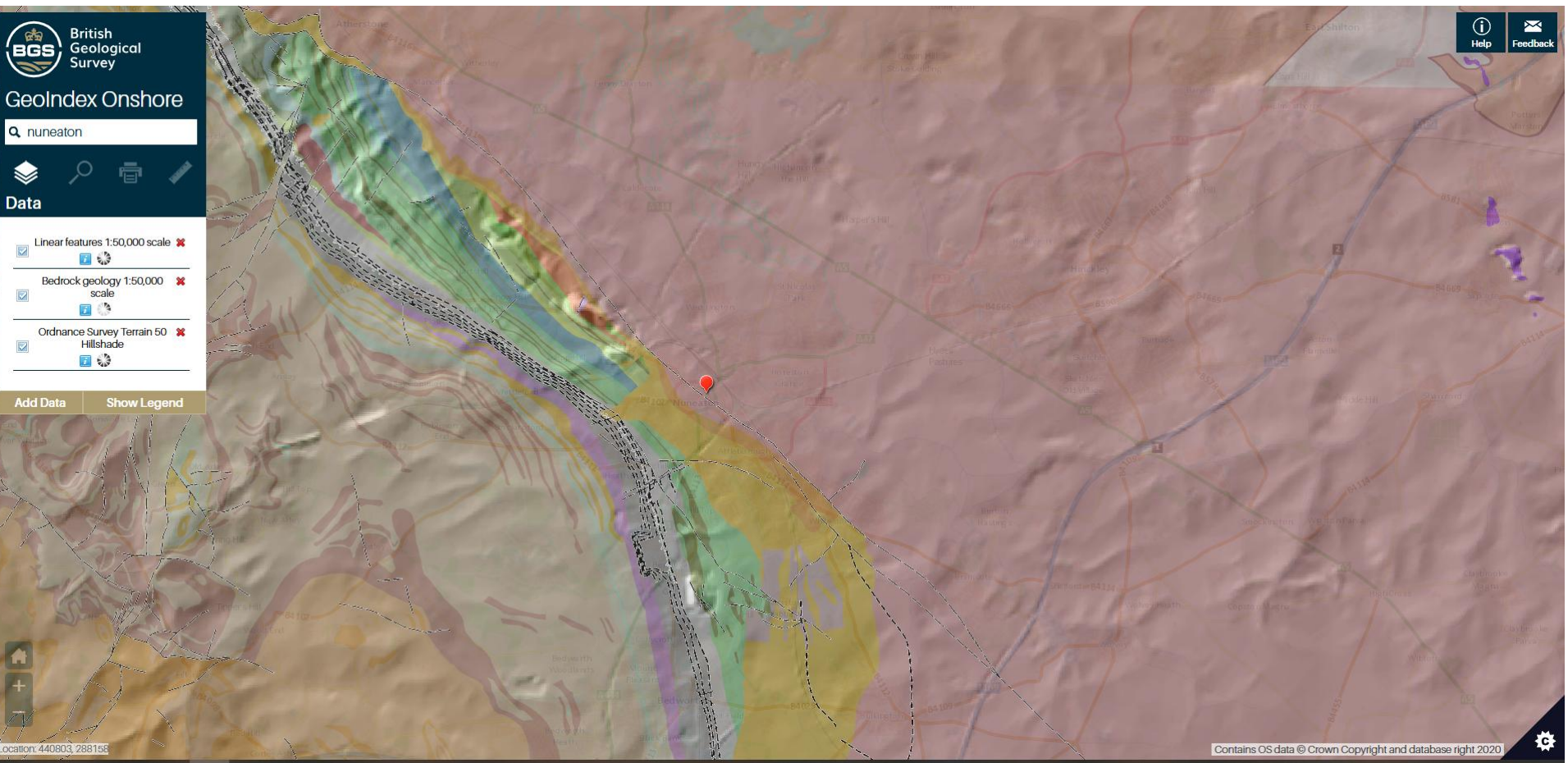


Location: 428817, 298093

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- ☒ Linear features 1:50,000 scale 
- ☒ Bedrock geology 1:50,000 scale 
- ☒ Ordnance Survey Terrain 50 Hillshade 



GeoIndex

Geophysics



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Data

☒ Superficial deposits
1:50,000 scale

☒ Bedrock geology 1:50,000
scale

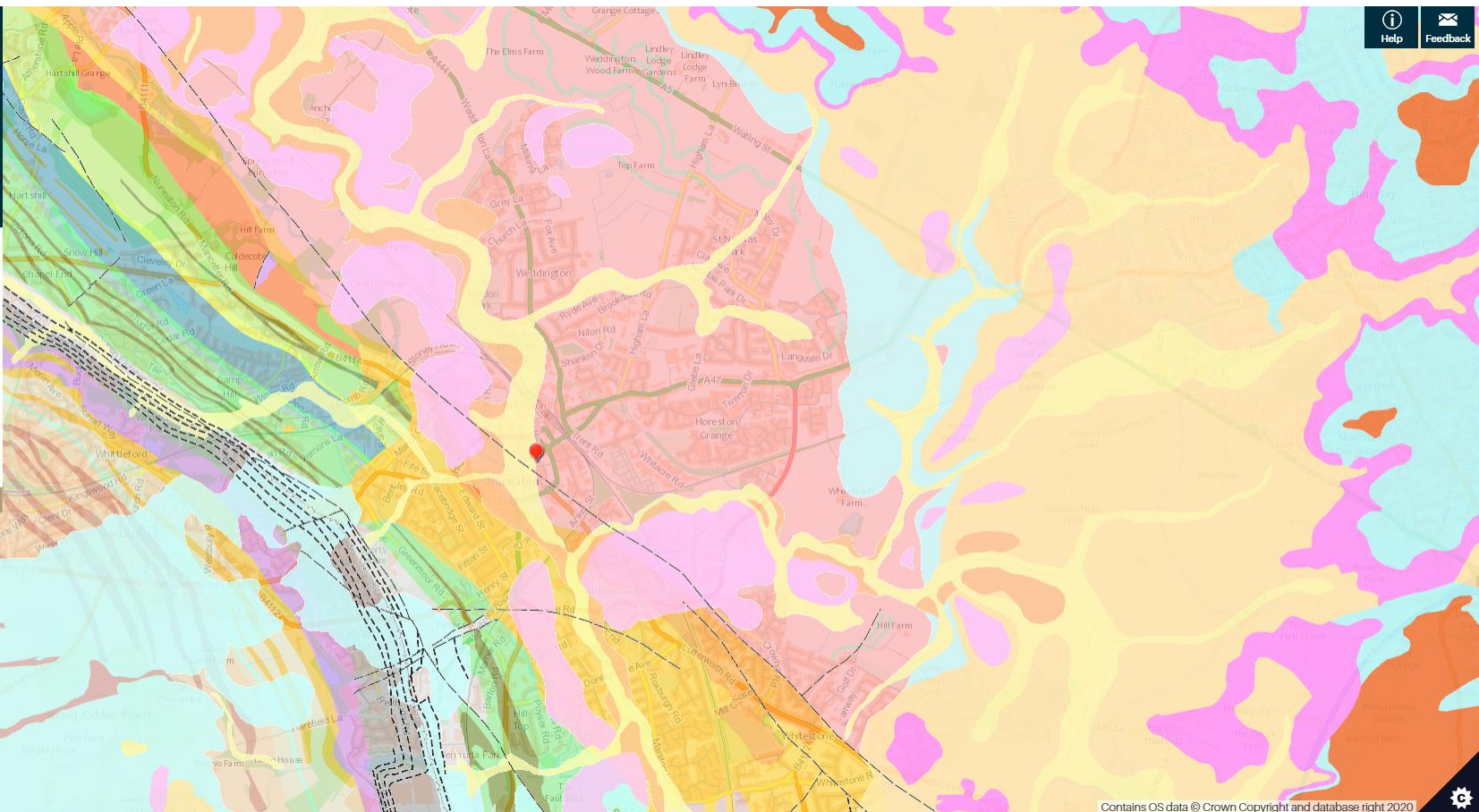
☒ Gravity anomalies (colour
shaded)

☒ Magnetic anomalies
(colour shaded)

Add DataShow Legend



Location: 432473, 291456





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Data

☒  Supercrustal deposits 1:50,000 scale 

☒  Bedrock geology 1:50,000 scale 

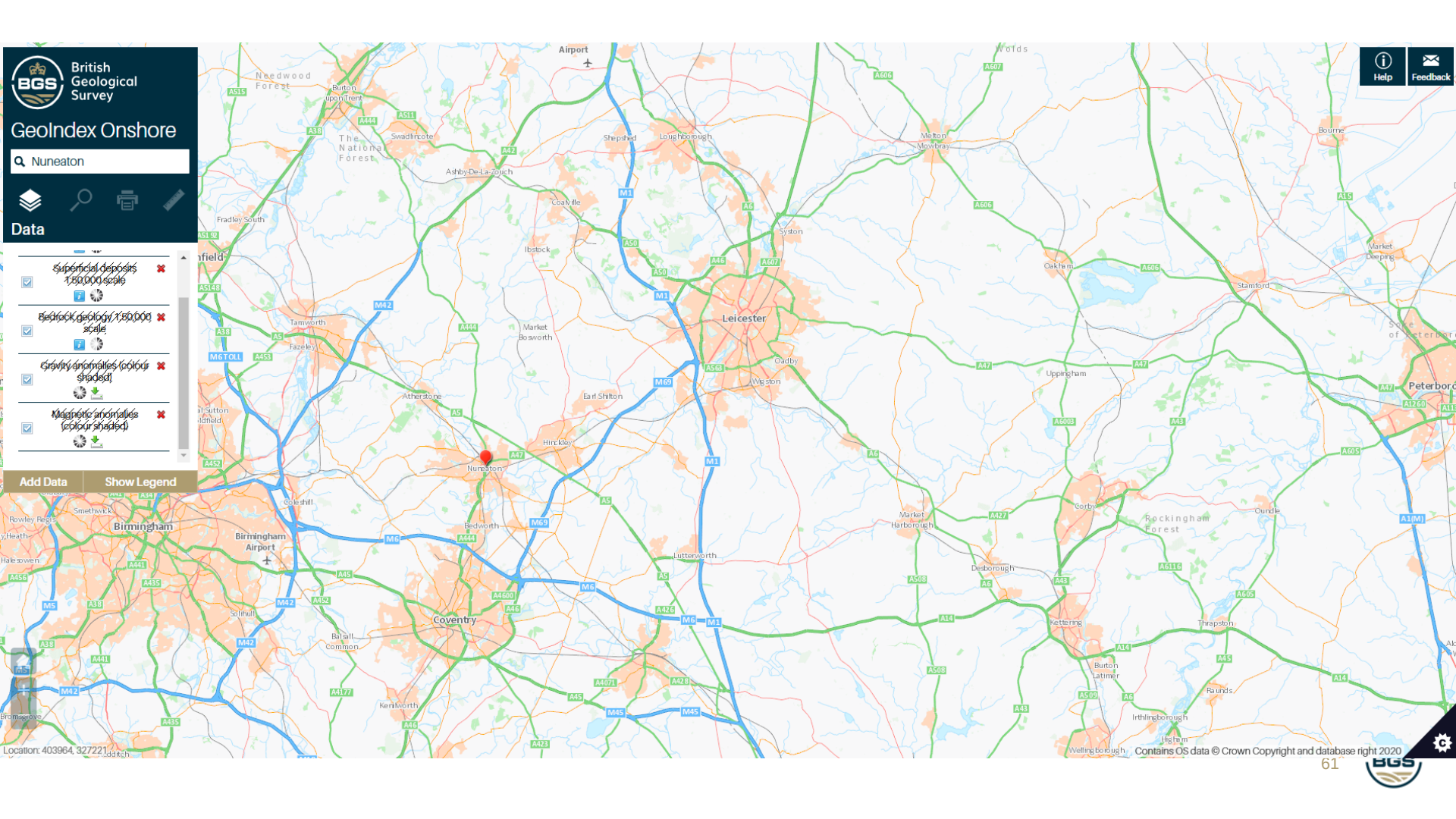
☒  Gravity anomalies (colour shaded) 

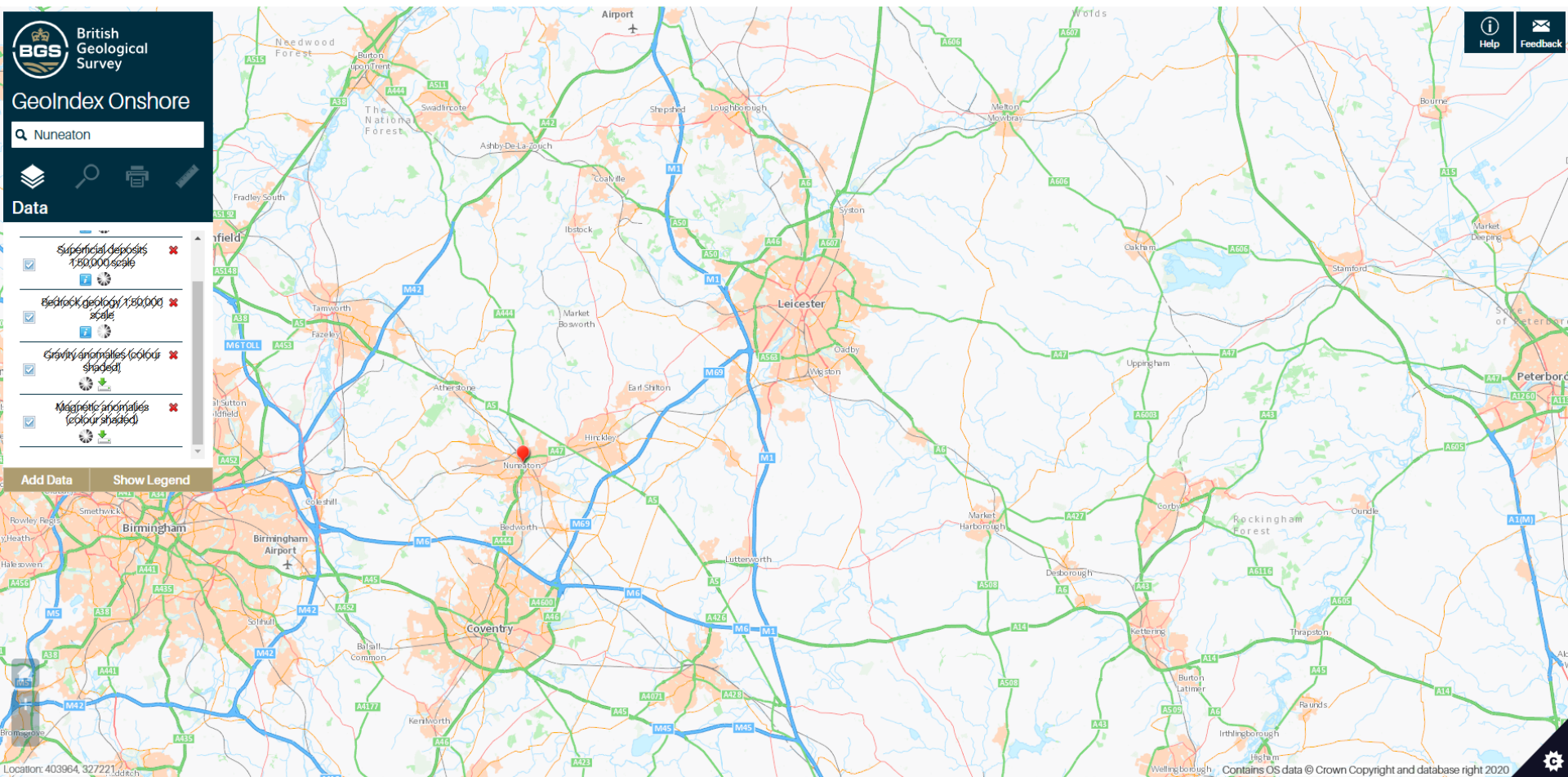
☒  Magnetic anomalies (colour shaded) 

Add Data

Show Legend

Location: 403964, 3272213







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Data

☒  **Superficial deposits** 1:50,000 scale 

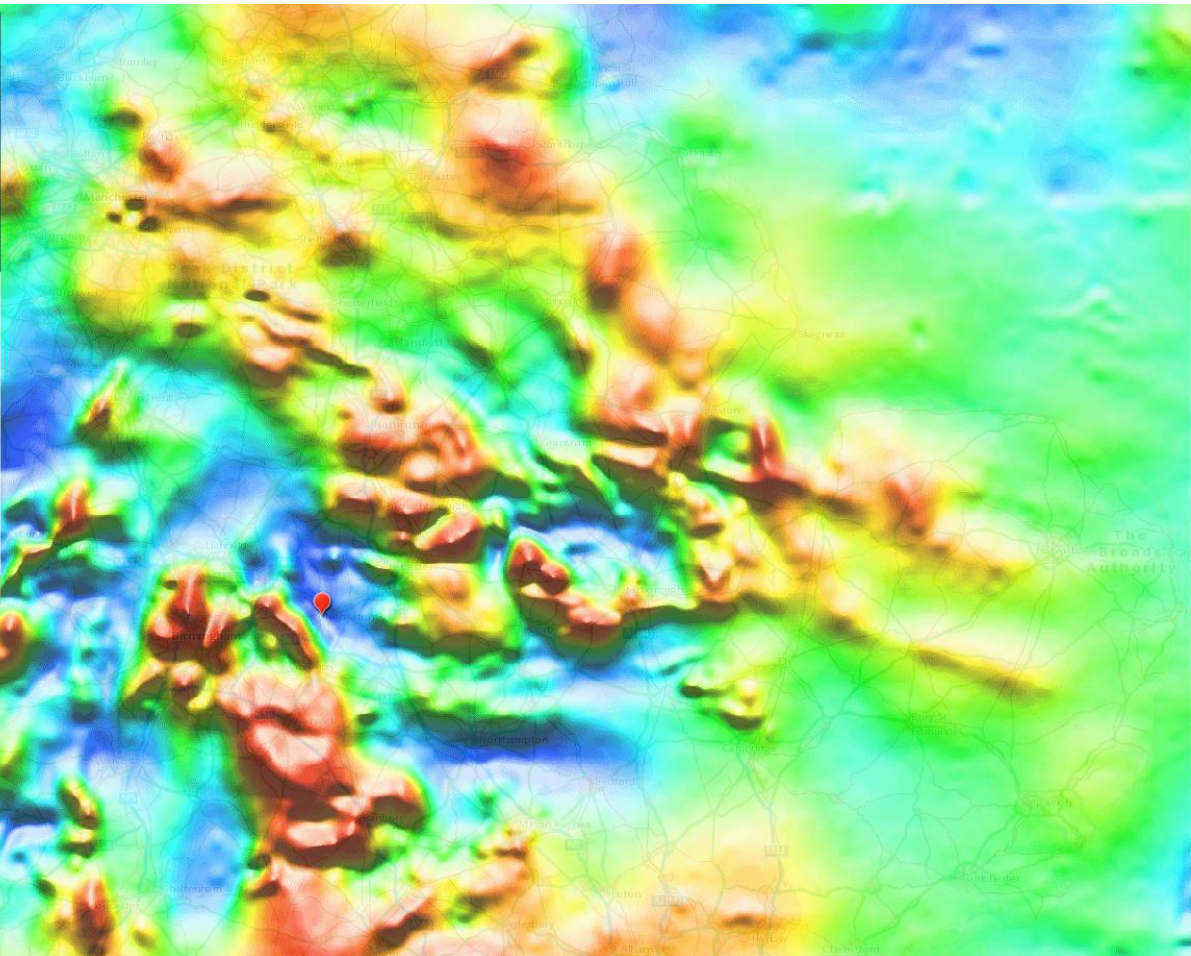
☒  **Bedrock geology** 1:50,000 scale 

☐  **Gravity anomalies (colour shaded)** 

☒  **Magnetic anomalies (colour shaded)** 

Add DataShow Legend





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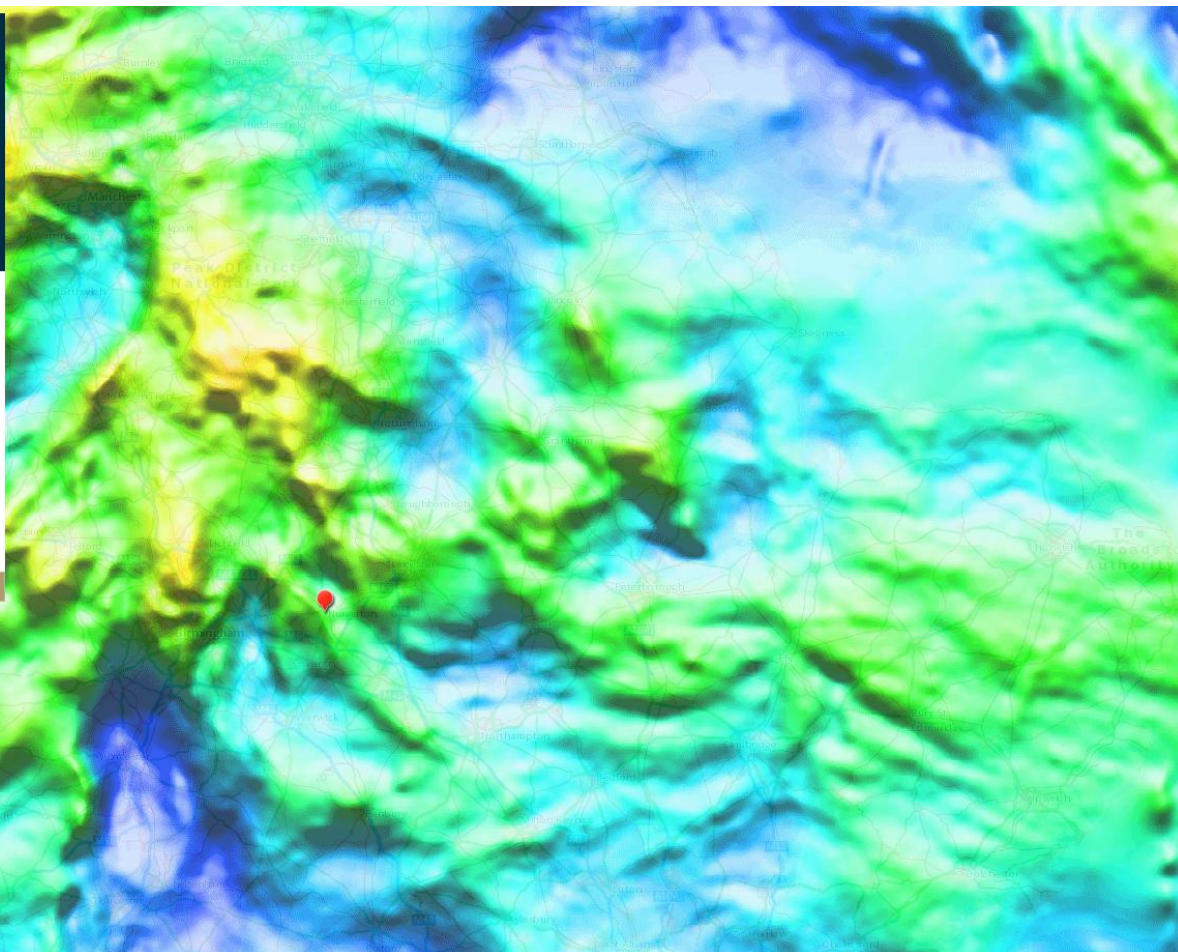
GeoIndex Onshore

Q Nuneaton

Data

- ☒ **Superficial deposits** 1:50,000 scale
- ☒ **Bedrock geology** 1:50,000 scale
- ☒ **Gravity anomalies (colour shaded)**
- ☐ **Magnetic anomalies (colour shaded)**

Add Data **Show Legend**





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Geological
Survey

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Q Nuneaton

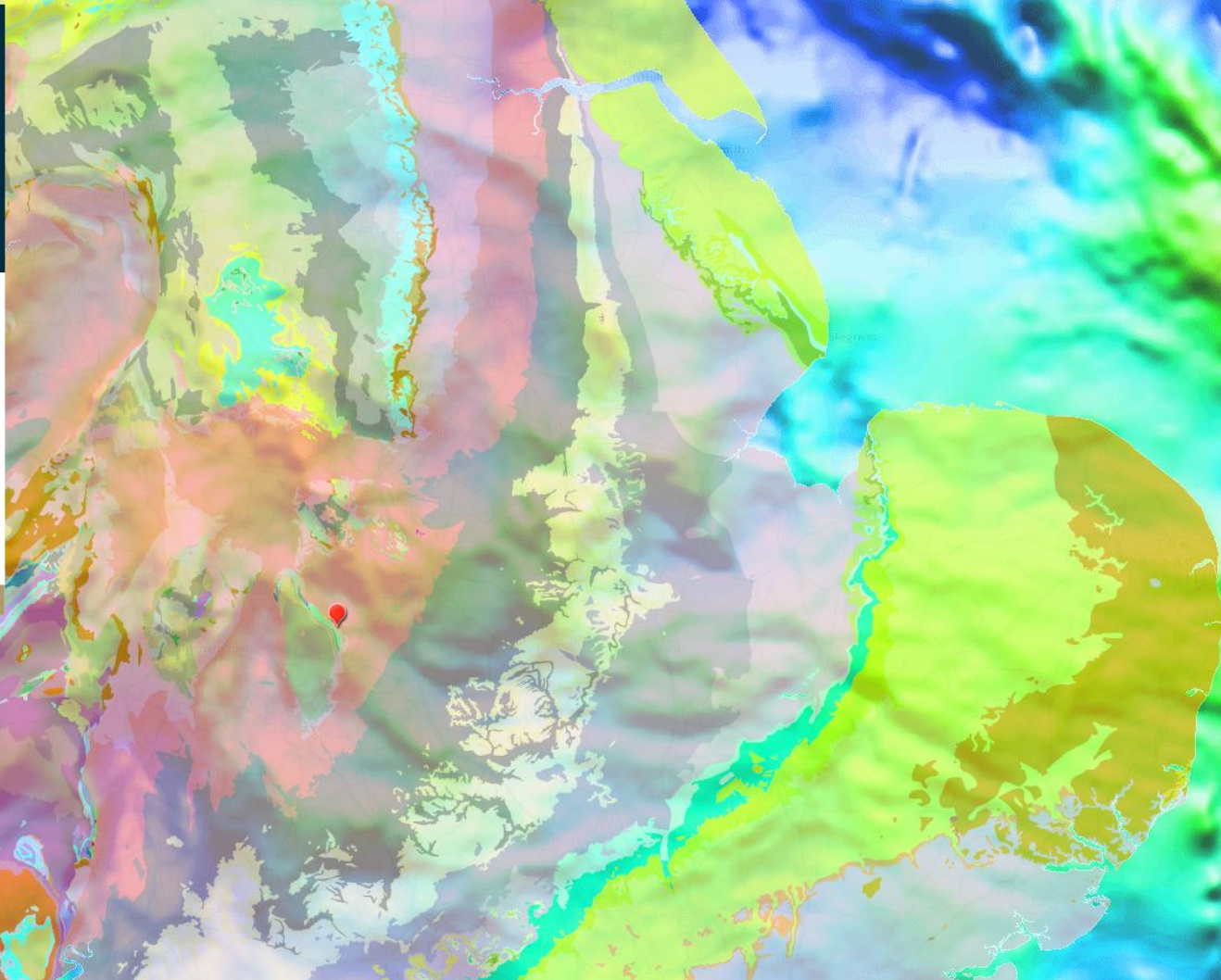


Data

- Bedrock geology 1:625,000 scale ☒
- Superficial deposits 1:625,000 scale ☒
- Bedrock geology 1:50,000 scale ☒
- Gravity anomalies (colour shaded) ☒

Add Data

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Location: 355743, 301424

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GeoIndex

Photographs

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Data

☒ Geoscientic Photos 

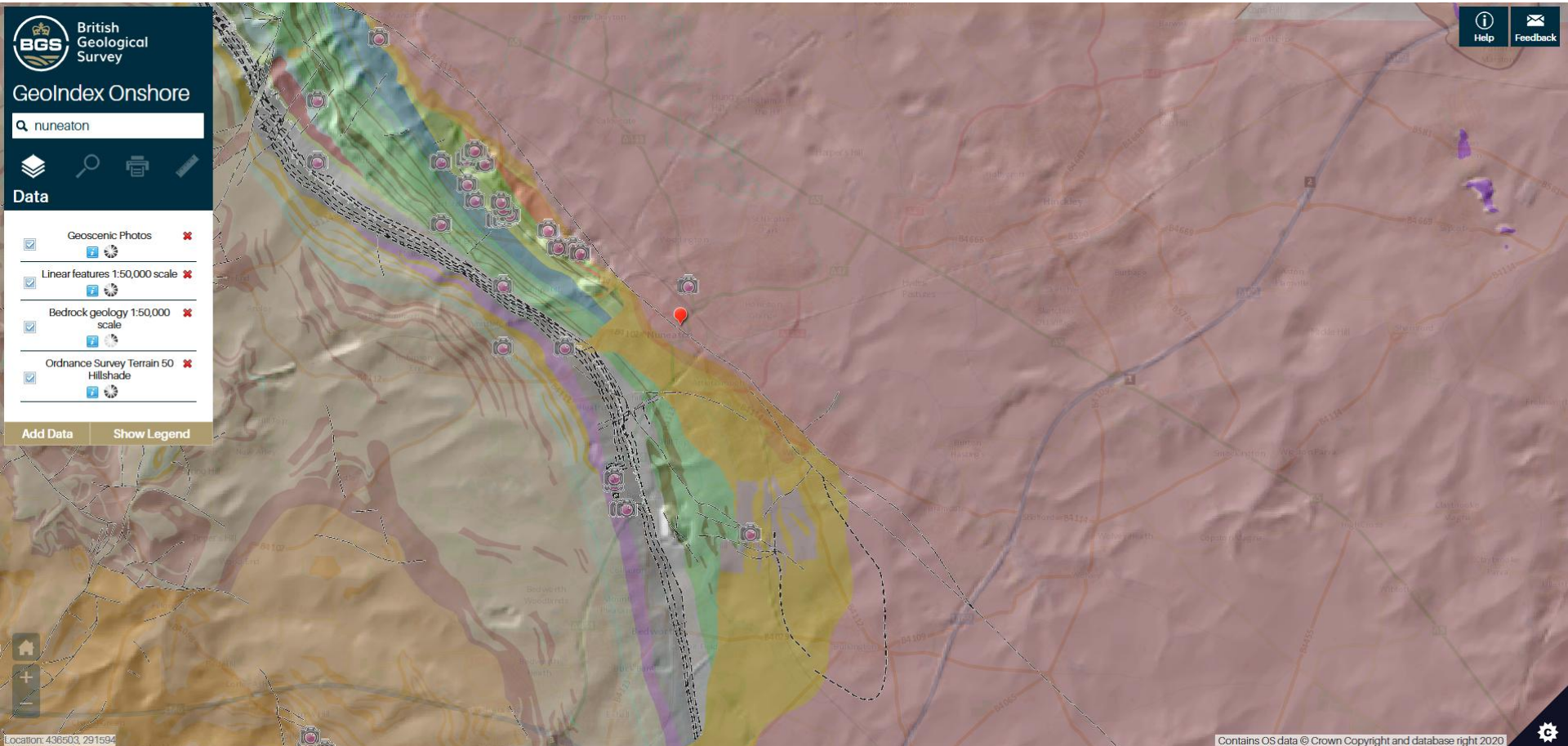
☒ Linear features 1:50,000 scale 

☒ Bedrock geology 1:50,000 scale 

☒ Ordnance Survey Terrain 50 Hillshade 

 Add Data

 Show Legend



Location: 436503, 291594

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Data

☒ Geoscenic Photos 

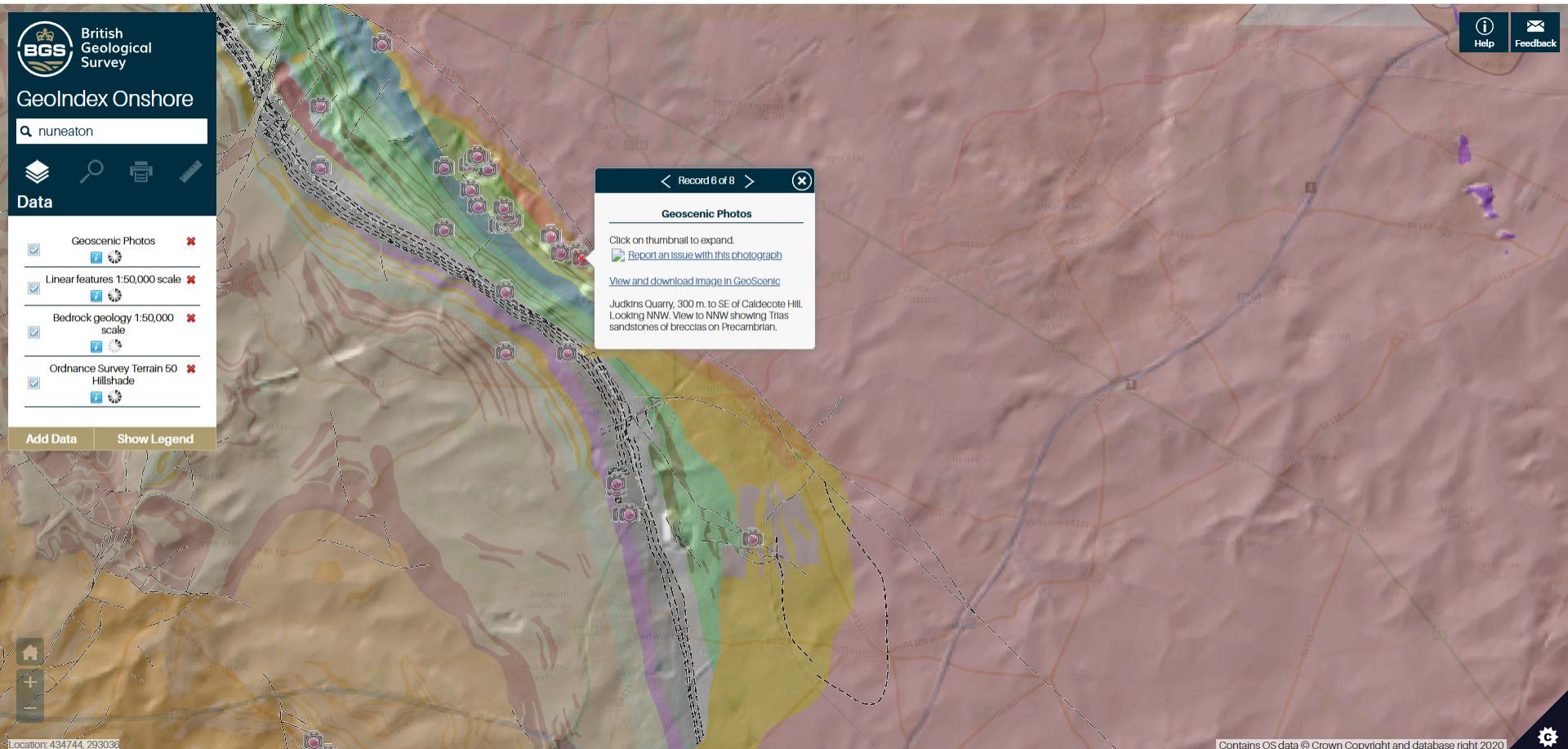
☒ Linear features 1:50,000 scale 

☒ Bedrock geology 1:50,000 scale 

☒ Ordnance Survey Terrain 50 Hillshade 

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-  Map-Based Search

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Map-Based Search

P number:	P008063
Old photograph number:	A14948
Caption:	Judkins Quarry, 300 m. to SE of Caldecote Hill. Looking NNW.
Description:	Judkins Quarry, 300 m. to SE of Caldecote Hill. Looking NNW. View to NNW showing Trias sandstones of breccias on Precambrian.
Date taken:	01/07/1990
Photographer:	Logan, G.
Copyright statement:	NERC
Acknowledgment:	This image was digitized with grant-in-aid from JIDI the JISC Image Digitization Initiative
X longitude/easting:	434750
Y latitude/northing:	293030
Coordinate reference system, ESPG code:	27700 (OSGB 1936 / British National Grid)
Orientation:	Portrait
Size:	492.05 KB; 984 x 1000 pixels; 83 x 85 mm (print at 300 DPI); 260 x 265 mm (screen at 96 DPI);
Average Rating:	Not yet rated
Categories:	Unsorted Images

Reviews

There is currently no feedback





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Lightbox



Map-Based Search

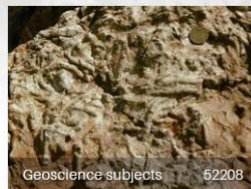
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Rock Samples

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British Geological Survey

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Data

☒ BGS rock samples 

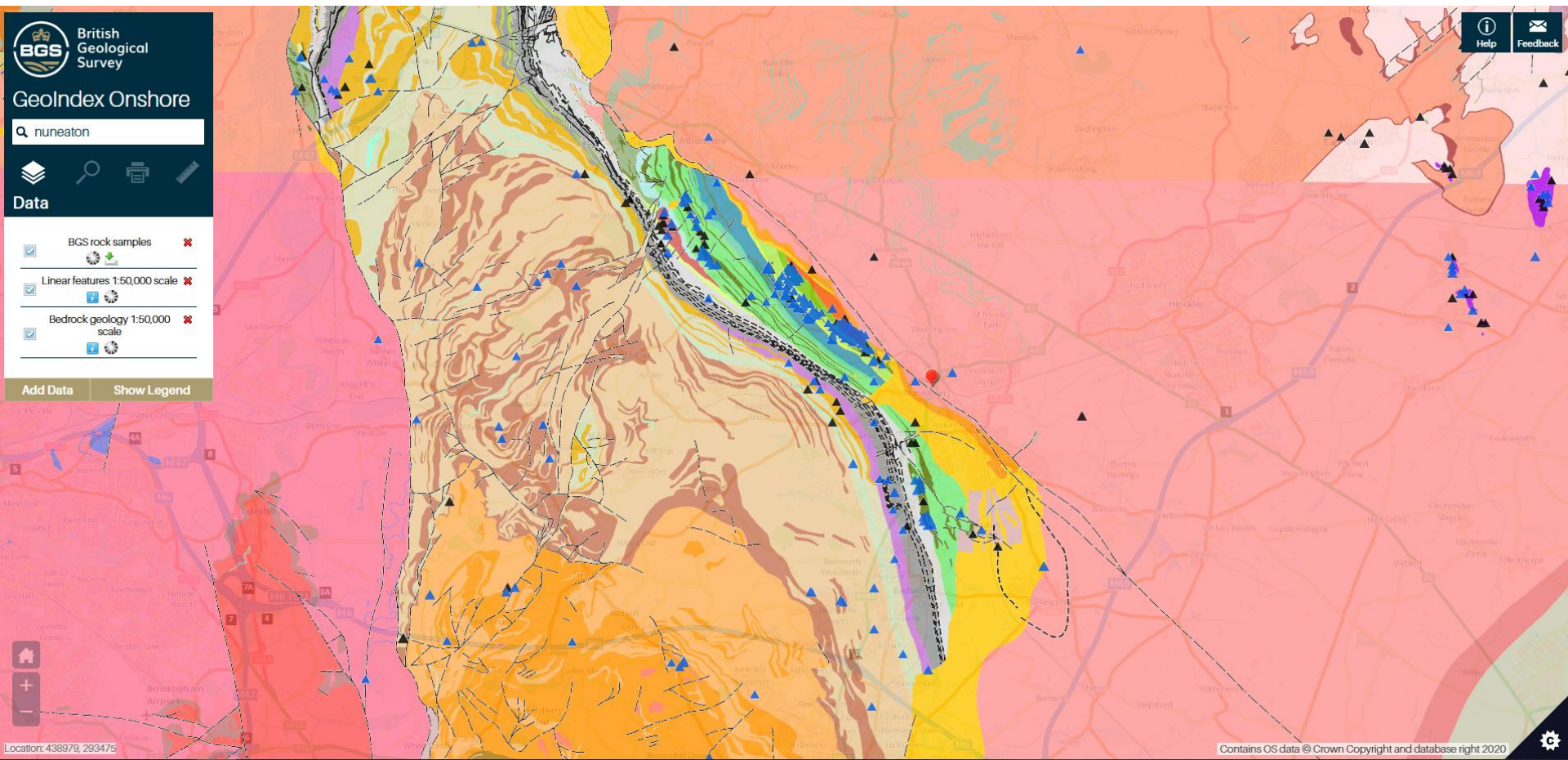
☒ Linear features 1:50,000 scale 

☒ Bedrock geology 1:50,000 scale 

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GeoIndex Onshore

Q nuneaton

Search

Spatial search: Click on 'Rectangle', 'Polygon' or 'Circle' buttons to draw a selection shape on the map.

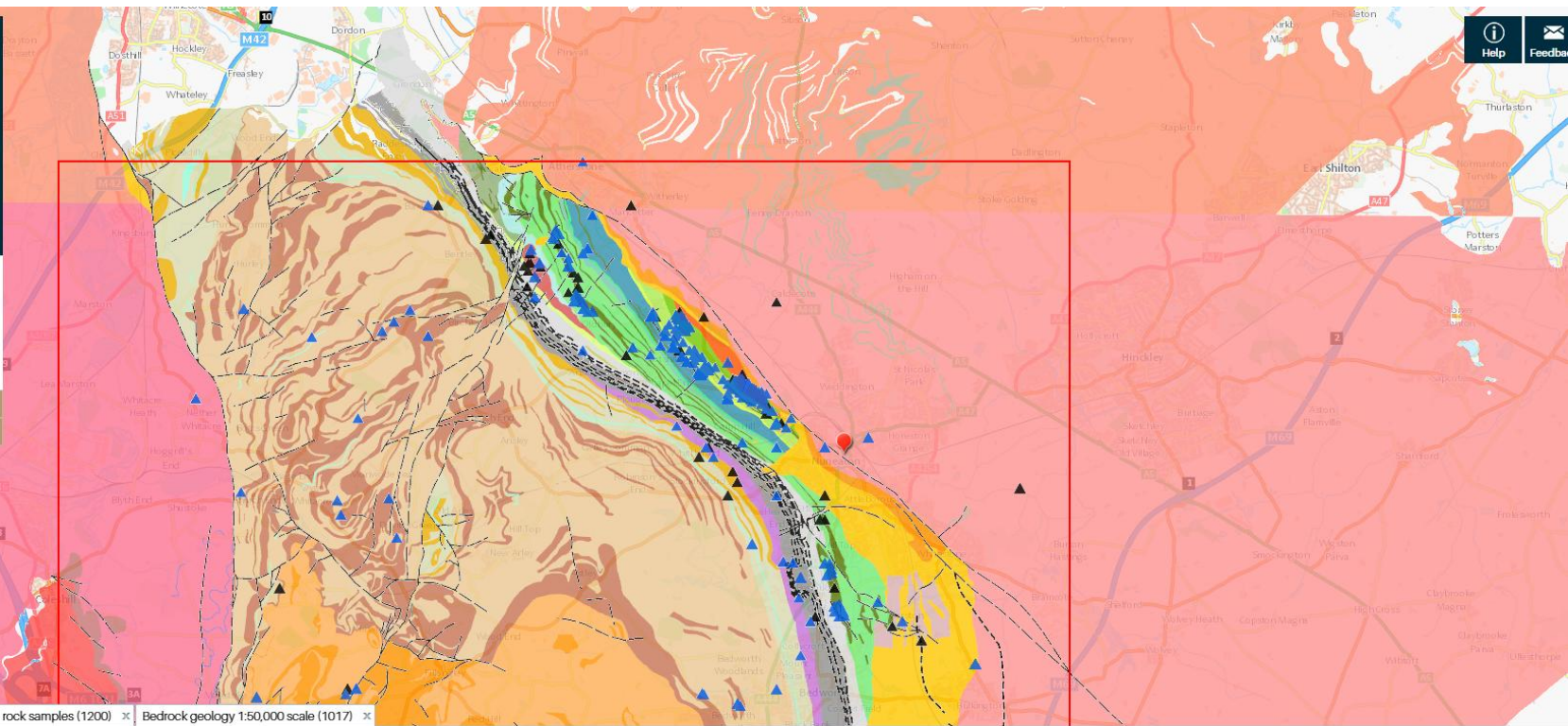
Attribute query: Click on 'Query' button to search based on feature attributes.

Rectangle Polygon Circle Query

Clear Selection Export Selection

Linear features 1:50,000 scale (373) x BGS rock samples (1200) x Bedrock geology 1:50,000 scale (1017) x

Feature
Coal seam, inferred
Marine band
Marine band
Marine band
Marine band
Marine band



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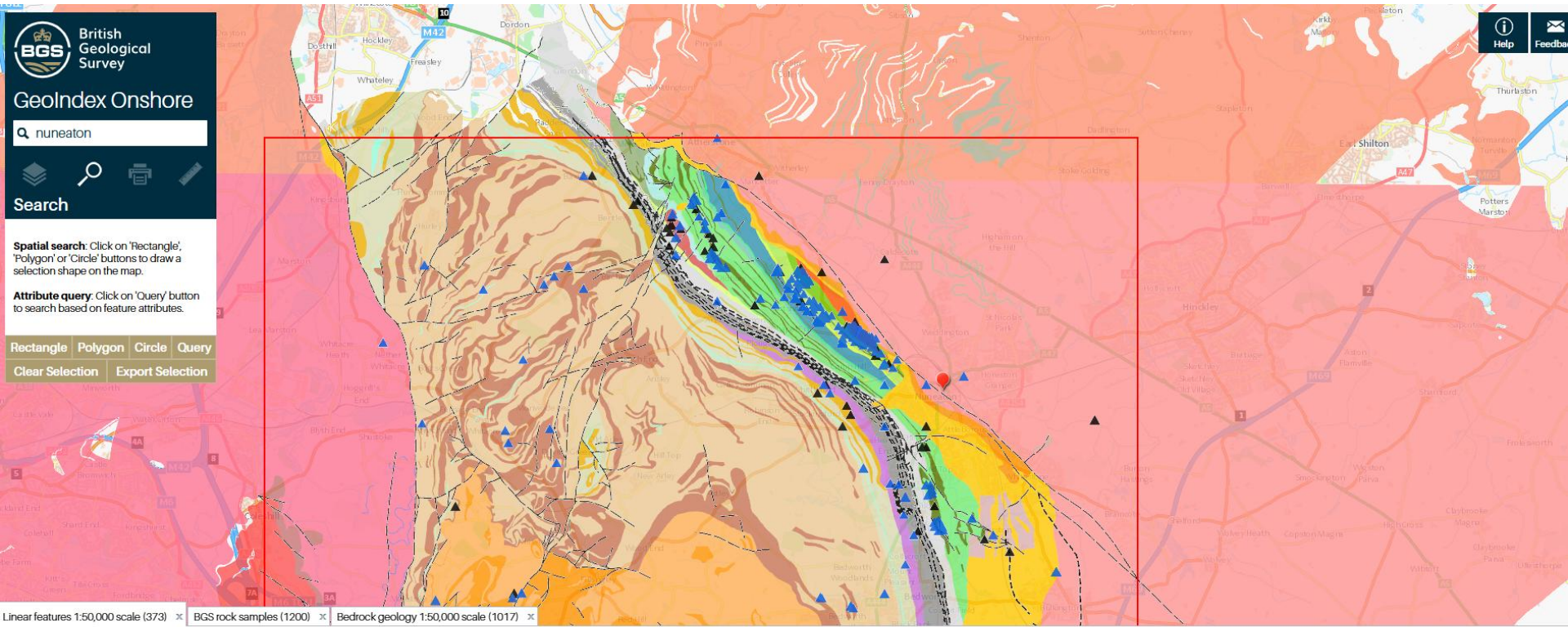
GeoIndex Onshore

Search

Spatial search: Click on 'Rectangle', 'Polygon' or 'Circle' buttons to draw a selection shape on the map.

Attribute query: Click on 'Query' button to search based on feature attributes.

Rectangle Polygon Circle Query
 Clear Selection Export Selection



Linear features 1:50,000 scale (373) x BGS rock samples (1200) x Bedrock geology 1:50,000 scale (1017) x

Feature
Coal seam, inferred
Marine band
Marine band
Marine band
Marine band
Marine band

BGS British Geological Survey

GeoIndex Onshore

Search

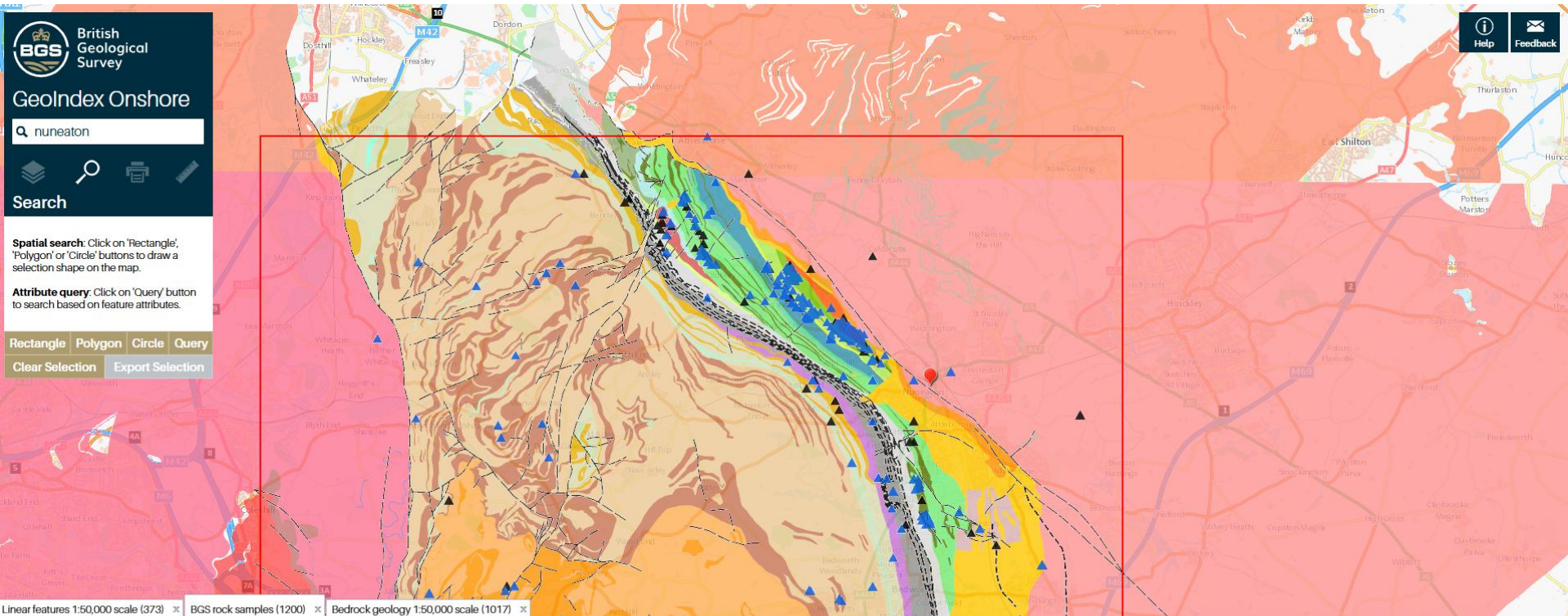
Search

Spatial search: Click on 'Rectangle', 'Polygon' or 'Circle' buttons to draw a selection shape on the map.

Attribute query: Click on 'Query' button to search based on feature attributes.

Rectangle Polygon Circle Query

Clear Selection Export Selection



Images	Sample Number	Location	PRECISION	Rock name	Comments
Click here for full record (no images available for this sample)	E62130	Griff 4 Quarry (Main Quarry); GRIFF15	known to nearest 100 metres		Multiple sill, lamprophyre
Click here for full record (no images available for this sample)	E62131	Griff 4 Quarry (Main Quarry); GRIFF16	known to nearest 100 metres		Multiple sill
Click here for full record (no images available for this sample)	E62132	Griff 4 Quarry (Main Quarry); GRIFF17	known to nearest 100 metres		lamprophyre, pegmatoid facies
Click here for full record (no images available for this sample)	E62133	Griff 4 Quarry (Main Quarry); GRIFF18	known to nearest 100 metres		Lamprophyre, hornblende-rich, coarse grained

ges available for this sample)	E62130	Griff 4 Quarry (Main Quarry);	GRIFF15	undefined	null	Multiple sill, lamprophyre
ges available for this sample)	E62131	Griff 4 Quarry (Main Quarry);	GRIFF16	undefined	null	Multiple sill
ges available for this sample)	E62132	Griff 4 Quarry (Main Quarry);	GRIFF17	undefined	null	lamprophyre, pegmatoid facies
ges available for this sample)	E62133	Griff 4 Quarry (Main Quarry);	GRIFF18	undefined	null	Lamprophyre, hornblende-rich, coarse grained, mafic with sulphide.
ges available for this sample)	E62134	Griff 4 Quarry (Main Quarry);	GRIFF19	undefined	null	Coarse grained, mafic lamprophyre with sulphide. Thin multiple sills.
ges available for this sample)	E62135	Griff 4 Quarry (Main Quarry);	GRIFF20	undefined	null	Leucocratic lamprophyre with quartz and sulphide vein.
ges available for this sample)	E62153	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. crystal rich tuff
ges available for this sample)	E62154	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Basic intrusive, probably lamprophyre
ges available for this sample)	E62155	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. basic intrusive
ges available for this sample)	E62157	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. granophyric diorite intrusion
ges available for this sample)	E62158	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Fine grained sediment. inclusion in crystal tuff
ges available for this sample)	E62159	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. granophyric diorite intrusion into JNC6
ges available for this sample)	E62160	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. granophyric diorite intrusion
ges available for this sample)	E62162	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. granophyric diorite intrusion
ges available for this sample)	E62163	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Pre-carb. lamprophyre dyke
ges available for this sample)	E62161	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. basic intrusion
ges available for this sample)	E62164	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. basic intrusion
ges available for this sample)	E62156	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Fine grained sediment. inclusion in crystal tuff
ges available for this sample)	E62165	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. porphyritic basic intrusion
ges available for this sample)	E62166	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Fine grained sed. inclusion in cryst. tuff
ges available for this sample)	E62167	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. porphyritic basic intrusion
ges available for this sample)	E62168	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Finely laminated yellow/green tuff/sediment
ges available for this sample)	E62169	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Contact crystal tuff with fine sediment
ges available for this sample)	E62170	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Fine grained sed. inclusion in tuff
ges available for this sample)	E62171	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Cryst tuff with sed. clasts
ges available for this sample)	E62172	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Pre-Carb. lamprophyre dyke
ges available for this sample)	E62173	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Cryst. tuff with dark porphyritic inclusions
ges available for this sample)	E62174	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Laminated sed. with mottled tex.
ges available for this sample)	E62175	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Laminated sed.
ges available for this sample)	E62176	Judkins Qry. 300 m 130 deg of Caldercote Hill		undefined	null	Precamb. granophyric diorite intrusive
ges available for this sample)	E62177	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Contact of granophyric diorite with crystal tuff
ges available for this sample)	E62178	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Marginal facies of Precambrian granophyric diorite
ges available for this sample)	E62179	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Pre-Carb lamprophyre sill
ges available for this sample)	E62180	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Stratified crystal tuff (Precamb.)
ges available for this sample)	E62181	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Dark porphyritic inclusion in JNC28
ges available for this sample)	E62182	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Dark porphyritic layer in JNC28
ges available for this sample)	E62183	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Precamb. granophyric diorite with xenoliths
ges available for this sample)	E62184	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Precamb. granophyric diorite intrusive
ges available for this sample)	E62185	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Porphyritic basic intrusive
ges available for this sample)	E62186	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Maroon chert inclusion in cryst. tuff
ges available for this sample)	E62187	Judkins Qry. 300 m 160 deg of Caldercote Hill		undefined	null	Pre-Carb lamprophyre sill
ord E34044 G.S.M. Mere Vale No. 2 BH. 725 yds 56 deg of Hill Farm, Mancetter				undefined	null	Upper Old Red Sandstone with sharp irregular base; contains frag. of Lst. c



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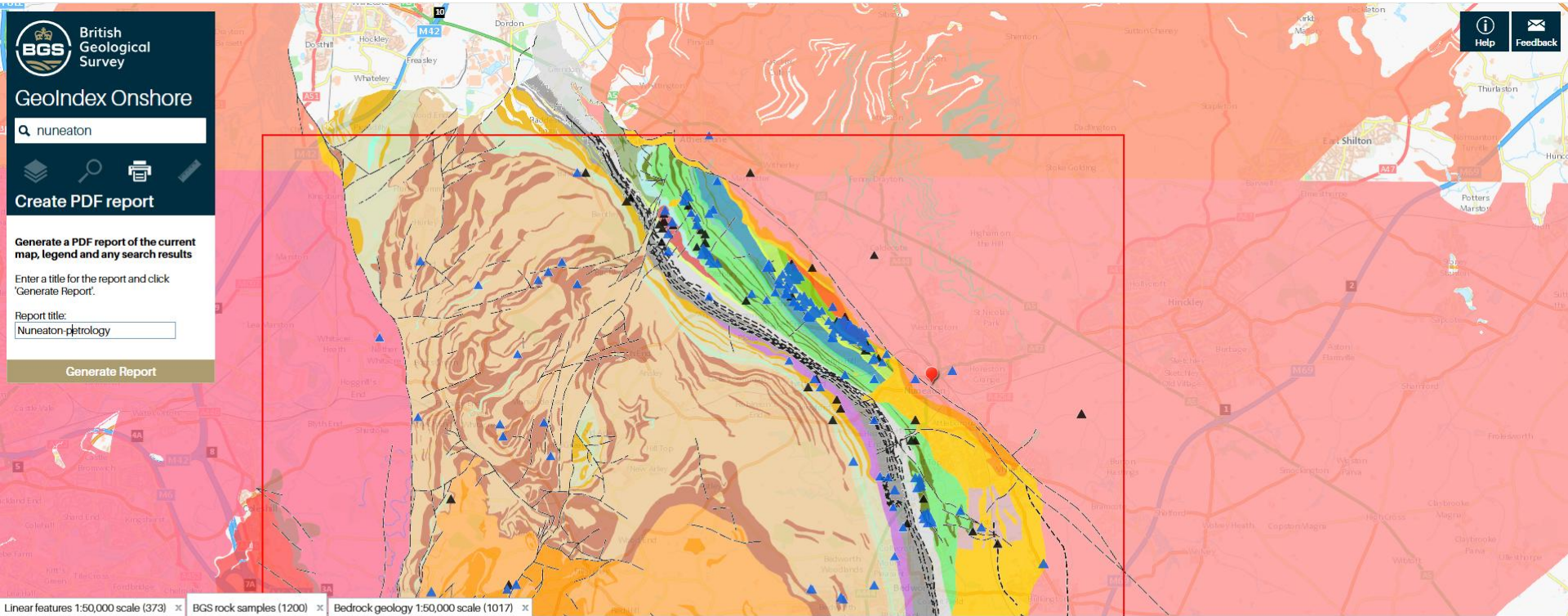

Create PDF report

Generate a PDF report of the current map, legend and any search results

Enter a title for the report and click 'Generate Report'.

Report title:

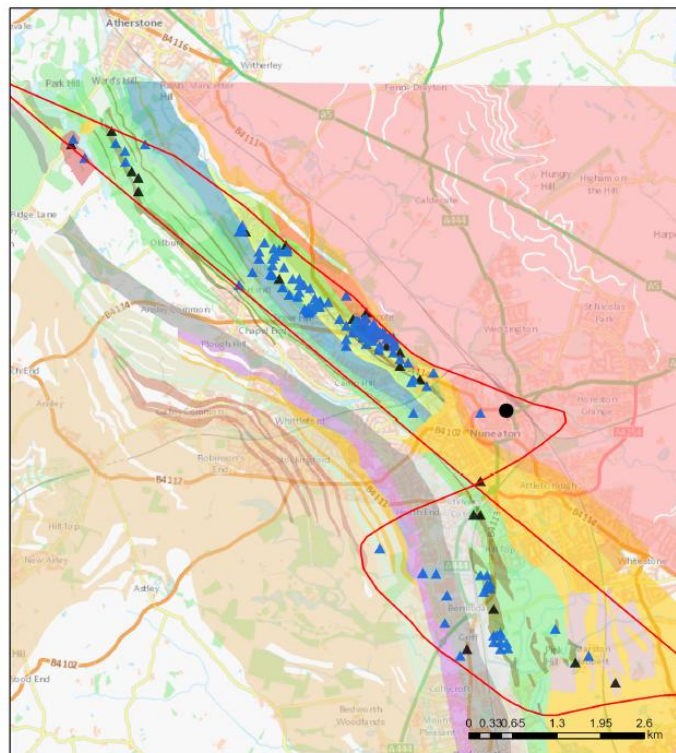
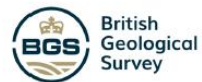
Generate Report



Images	Sample Number	Location	PRECISION	Rock name	Comments
Click here for full record (no images available for this sample)	E62130	Griff 4 Quarry (Main Quarry); GRIFF15	known to nearest 100 metres		Multiple sill, lamprophyre
Click here for full record (no images available for this sample)	E62131	Griff 4 Quarry (Main Quarry); GRIFF16	known to nearest 100 metres		Multiple sill
Click here for full record (no images available for this sample)	E62132	Griff 4 Quarry (Main Quarry); GRIFF17	known to nearest 100 metres		lamprophyre, pegmatoid facies
Click here for full record (no images available for this sample)	E62133	Griff 4 Quarry (Main Quarry); GRIFF18	known to nearest 100 metres		Lamprophyre, hornblende-rich, coarse grained



Nuneaton -Petrology





Map Key

BGS rock samples

▲ Image available

▲ Image not available

Bedrock geology 1:50,000 scale

	UNNAMED PLUTON, NEOPROTEROZOIC III - DIORITE
	MONKS PARK SHALE FORMATION - MUDSTONE
	EDWALTON MEMBER - MUDSTONE
	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE
	ETRURIA FORMATION - MUDSTONE, SANDSTONE AND CONGLOMERATE
	ETRURIA FORMATION - MUDSTONE AND SANDSTONE
	HALESOWEN FORMATION - LIMESTONE
	WHITACRE MEMBER - LIMESTONE
	SIDMOUTH MUDSTONE FORMATION - SILTSTONE, DOLOMITIC
	HALESOWEN FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE
	HELSEBY SANDSTONE FORMATION - MUDSTONE
	MOOR WOOD SANDSTONE FORMATION - SANDSTONE AND SILTSTONE, INTERBEDDED
	MANCETTER SHALE FORMATION - MUDSTONE AND SANDSTONE
	PURLEY SHALE FORMATION - MUDSTONE
	MERCIA MUDSTONE GROUP - MUDSTONE
	MERCIA MUDSTONE GROUP - SILTSTONE AND SANDSTONE
	ROUGH ROCK - SANDSTONE
	SIDMOUTH MUDSTONE FORMATION - MUDSTONE
	WHITACRE MEMBER - CONGLOMERATE
	WHITACRE MEMBER - MUDSTONE AND SANDSTONE
	GUNTORPE MEMBER - SILTSTONE, DOLOMITIC
	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE
	GUNTORPE MEMBER - MUDSTONE
	MILLSTONE GRIT GROUP (SEE ALSO MIGR) - MUDSTONE, SILTSTONE AND SANDSTONE
	ARDEN SANDSTONE FORMATION - SANDSTONE, SILTSTONE AND MUDSTONE
	MEREALE SHALE FORMATION - MUDSTONE
	OUTWOODS SHALE FORMATION - MUDSTONE
	ABBAY SHALE FORMATION - MUDSTONE
	KERESLEY MEMBER - ARGILLACEOUS ROCKS AND (SUBORDINATE/SUBEQUAL) SANDSTONE AND CONGLOMERATE, INTERBEDDED
	BRANSCOMBE MUDSTONE FORMATION - MUDSTONE
	OLDBURY FARM SANDSTONE FORMATION - SANDSTONE, SILTSTONE AND MUDSTONE
	WHITACRE MEMBER - SANDSTONE
	TUTTLE HILL MEMBER - SANDSTONE AND MUDSTONE
	JEE'S MEMBER, HOME FARM MEMBER AND WOODLANDS MEMBER (UNDIFFERENTIATED) - SANDSTONE AND CONGLOMERATE, INTERBEDDED
	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE
	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE
	COTGRAVE SANDSTONE MEMBER - SANDSTONE
	HELSEBY SANDSTONE FORMATION - SANDSTONE, PEBBLY (GRAVELLY)
	HELSEBY SANDSTONE FORMATION - SANDSTONE
	MERCIA MUDSTONE GROUP - MUDSTONE AND SILTSTONE
	KERESLEY MEMBER - SANDSTONE



unknown
Fault, inferred, displacement unknown
Fault, inferred, displacement unknown
Fault, inferred, displacement unknown
Fault, inferred, displacement unknown
Fault, inferred, displacement unknown
Fault, inferred, displacement unknown

Bedrock geology 1:50,000 scale

Description	Details
MIDLANDS MINOR INTRUSIVE SUITE - LAMPROPHYR E	More information
HELSBY SANDSTONE FORMATION - MUDSTONE	More information
MIDLANDS MINOR INTRUSIVE SUITE - LAMPROPHYR E	More information
HELSBY SANDSTONE FORMATION - MUDSTONE	More information
HELSBY SANDSTONE FORMATION - SANDSTONE, PEBBLY (GRAVELLY)	More information
HELSBY SANDSTONE FORMATION - MUDSTONE	More information
HELSBY SANDSTONE	More information



record (no images available for this sample)		Tuttlehill, Nuneaton			
Click here for full record (no images available for this sample)	E59861	Griff Hill Qry. (No.4)	undefined	null	Diorite; centre of sill
Click here for full record (no images available for this sample)	E54868	Griff "Berrestead" quarry	undefined	null	Hornfels at sill contact [or possibly fine grained off shoot of sill]
Click here for full record (no images available for this sample)	E62682	Grit No. 4 Qry. 450 m E of Grit House Farm	undefined	null	Greenish med. grained mafic intrusive overlying JNC297
Click here for full record (no images available for this sample)	E62377	Hartshill Qry. 500 m E of Holy Trinity Church	undefined	null	Lamprophyre sill
Click here for full record (no images available for this sample)	E62528	Boons Qry. 100 m S of Grange Farm	undefined	null	Pink feldspathic, glauconitic Sst. Lower Camb.
Click here for images and full record	E37560	G.S.M. Mere Vale No. 3 BH. Man Abell Jubilee Qry.	undefined	SPESSARTITE LAMPROPHYRE	Diorite from sill
Click here for full record (no images available for this sample)	E62671	Grit No. 4 Qry. 450 m E of Grit House Farm	undefined	null	Med. grained, heterogeneous-textured intrusive
Click here for full record (no images available for this sample)	MR544	Blue Hole, 300 yds E of Caldecote Mill, Warwickshire	undefined	Quartz-feldspar porphyry	Caldecote Series
Click here for full record (no images available for this sample)	E62533	Judkins Qry. 300 m SE 130 deg of Caldecote Hill	undefined	null	Basic intrusion. Possibly lamprophyre
Click here for full record (no images available for this sample)	E62468	Hartshill Qry. 500 m E of Holy Trinity Church	undefined	null	Maroon, pebble conglomerate
Click here for full record (no images available for this sample)	E62289	Judkins Qry. 300 m 130 deg of Caldecote Hill	undefined	null	Coarse basic intrusive (PC)
Click here for full record (no images available for this sample)	E62333	Judkins Qry. 300 m 130 deg of Caldecote Hill	undefined	null	Cryst. tuff overlying sediments; Pre Camb.
Click here for full record (no images available)	MR44057	Tittle Hill Quarry, near Nuneaton	undefined	null	Barlow donation

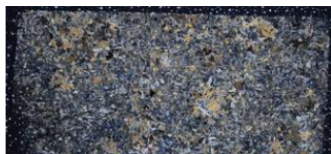
BGS mineralogy and petrology collection record

Sample number	E59861; COLLNOGRIFF11;
Sample Donor	Pharaoh, T.
Rock name	Not entered
Stratigraphy	Not entered
Comments	Diorite; centre of sill
Locality details	Griff Hill Qry. (No.4)
50k map sheet	Coventry (169) View images in GeoScenic related to 'Coventry' View the geology near 'Coventry'
Map reference	SP 362 887
Year collected	Not entered
Bore name	Not applicable
Confidentiality	No restrictions

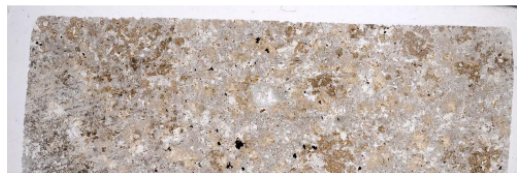
Petrological thin sections

Links to high resolution images

E59861



Transition from XPL to PPL light

XPL PPL

Map reference	SP 362 887
Year collected	Not entered
Bore name	Not applicable
Confidentiality	No restrictions

Petrological thin sections

Links to high resolution images

E59861



Cross Polarized, E59861



Plane Polarized, E59861

Field of view: c. 31 mm.

[New search?](#)

Transition from XPL to PPL light

XPL PPL







BGS rock collections - Search form

Search spatially

Use [GeoIndex](#) on the Collections theme to view the collection.

Search the rock collections

Text searches

To search the database, please enter a search term, in one or more fields and press 'Search'.

If you enter 'S12%', the search will return anything that starts 'S12', while 'S1234' will only return that record.

Registration number

e.g. E1234 or MR1245

Rock or mineral name

Locality

Collector / donor

e.g. Darwin

Location searches

☐ Search around a UK 50k map ref

map ref

SJ2345

e.g. SJ2345

distance

10

km (1 to 99)

☐ 50k sheet name / number

Aberaeron (177)



☐ Country

Acension Island [143 samples]





Attribute Search

Select a layer to search and enter a search value. If matches are found in any field, only these features will be displayed.

☐ Advanced attribute search

Select layer to search:



Enter search value:

Search



British Geological Survey

GeolIndex Onshore






Search

Spatial search: Click on 'Rectangle', 'Polygon' or 'Circle' buttons to draw a selection shape on the map.

Attribute query: Click on 'Query' button to search based on feature attributes.

Rectangle
Polygon
Circle
Query

Clear Selection
Export Selection

Hover over a row to highlight feature.
Double click on row to zoom to feature.

BGS rock samples (33) x

Images	Sample Number	Location	PRECISION	Rock name	Comments
sample/					
Click here for full record (no images available for this sample)	E62461	Hartshill Qry. 500 m E of Holy Trinity Church	known to nearest 10 metres		Lamprophyre sill
Click here for full record (no images available for this sample)	E62154	Judkins Qry. 300 m 130 deg of Caldecote Hill	known to nearest 10 metres		Basic intrusive, probably lamprophyre
Click here for full record (no images available for this sample)	E62543	Judkins Qry. 300 m SE 130 deg of Caldecote Hill	known to nearest 10 metres		Lamprophyre sill



British Geological Survey

GeolIndex Onshore






Search

Spatial search: Click on 'Rectangle', 'Polygon' or 'Circle' buttons to draw a selection shape on the map.

Attribute query: Click on 'Query' button to search based on feature attributes.

Rectangle
Polygon
Circle
Query

Clear Selection
Export Selection

Hover over a row to highlight feature.
 Double click on row to zoom to feature.

BGS rock samples (33)

Images	Sample Number	Location	PRECISION	Rock name	Comments
sample/					
Click here for full record (no images available for this sample)	E62461	Hartshill Qry. 500 m E of Holy Trinity Church	known to nearest 10 metres		Lamprophyre sill
Click here for full record (no images available for this sample)	E62154	Judkins Qry. 300 m 130 deg of Caldecote Hill	known to nearest 10 metres		Basic intrusive, probably lamprophyre
Click here for full record (no images available for this sample)	E62543	Judkins Qry. 300 m SE 130 deg of Caldecote Hill	known to nearest 10 metres		Lamprophyre sill

<https://webapps.bgs.ac.uk/data/britrocks/bnitrocks.cfc?method=viewSamples&sampleId=107359>

Mines and quarries

Map Legend

- Active
- Ceased
- Dormant
- Inactive
- Special

GeoIndex

Fossils

PalaeoSaurus



British Geological Survey

GeoIndex Onshore



Data

☒ Fossil localities

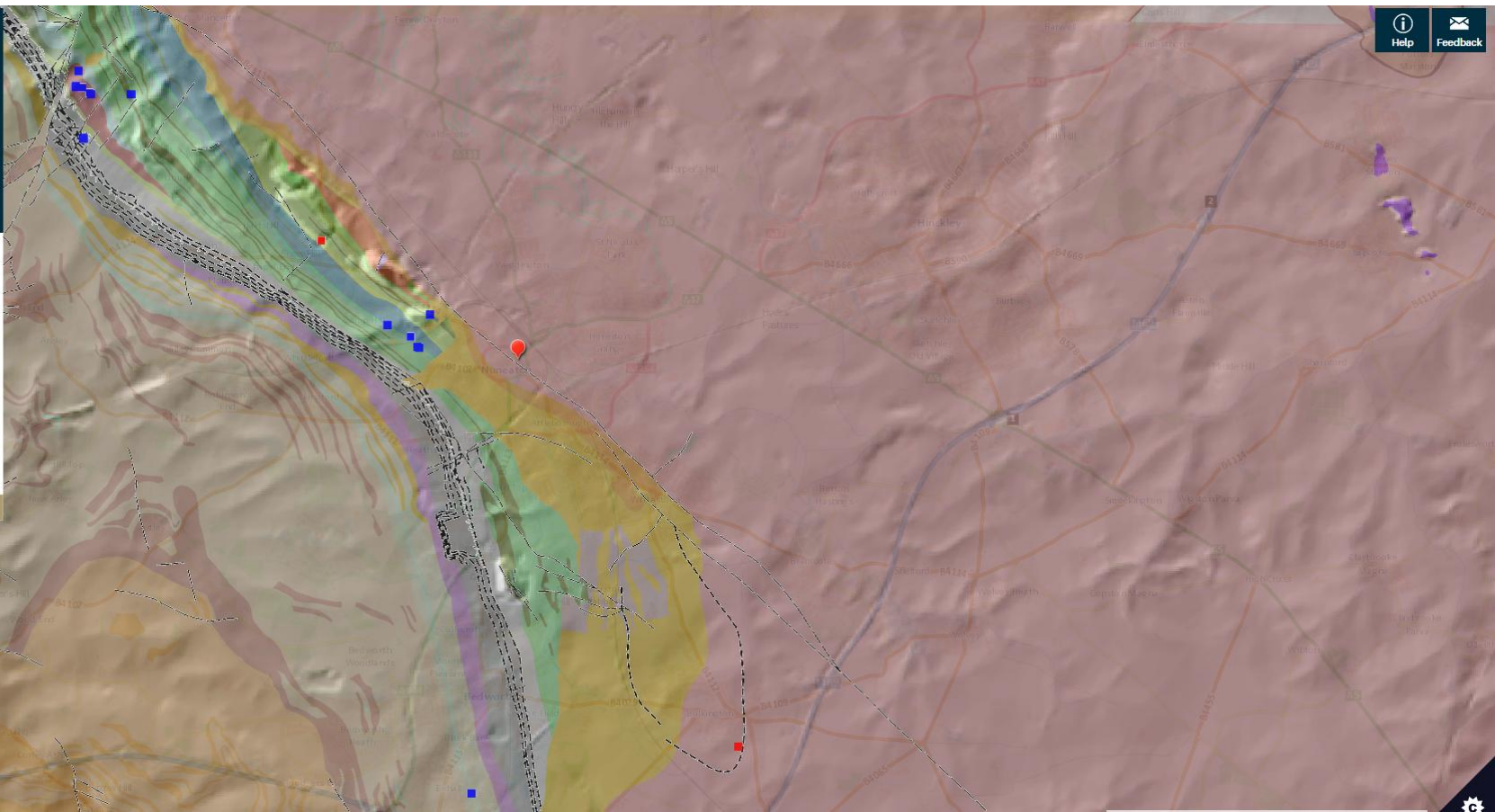
☒ Fossil specimens

☒ Linear features 1:50,000 scale

☒ Bedrock geology 1:50,000 scale

☒ Ordnance Survey Terrain 50 Hillshade

Add DataShow Legend





British Geological Survey

GeoIndex Onshore





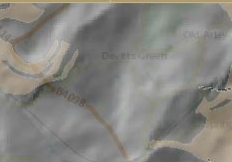

Search

Spatial search: Click on 'Rectangle', 'Polygon' or 'Circle' buttons to draw a selection shape on the map.

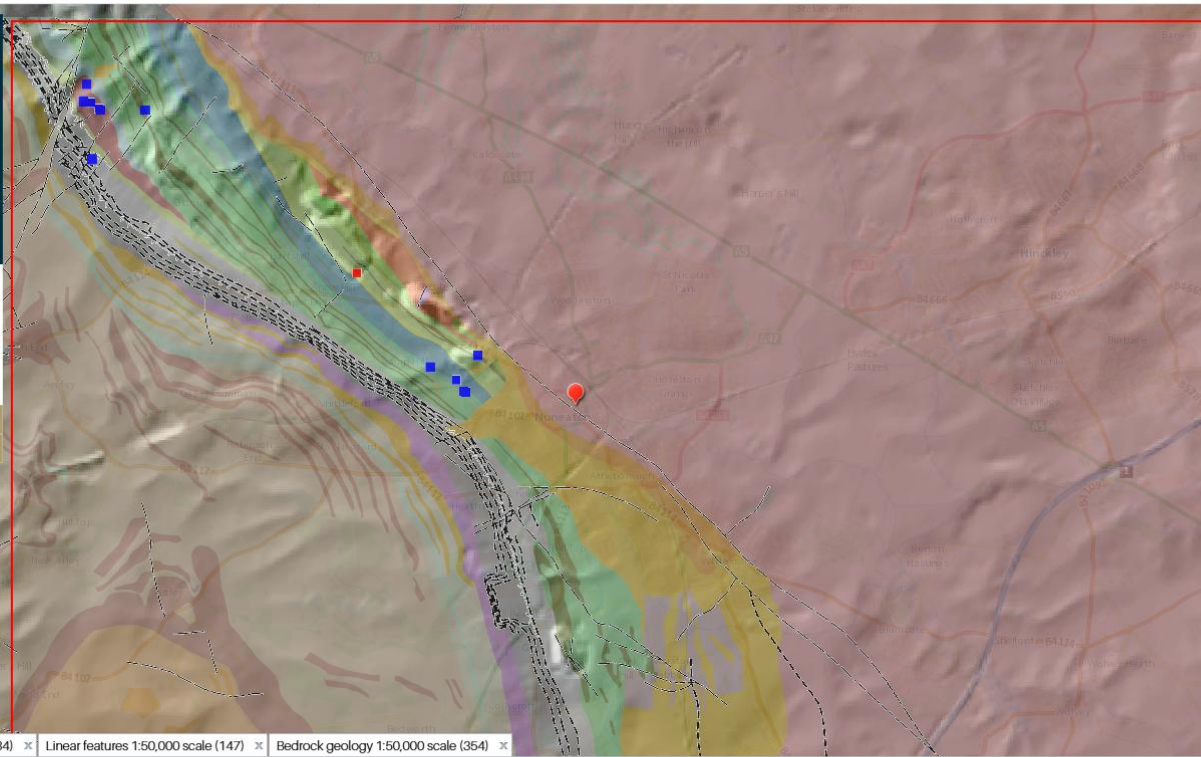
Attribute query: Click on 'Query' button to search based on feature attributes.

Rectangle
Polygon
Circle
Query

Clear Selection
Export Selection



Hover over a row to highlight feature.
Double click on row to zoom to feature.




[Help](#)


[Feedback](#)

[Fossil localities \(11\)](#)
[Fossil specimens \(134\)](#)
[Linear features 1:50,000 scale \(147\)](#)
[Bedrock geology 1:50,000 scale \(354\)](#)

Reference	
MPA 36993	
MPA 36994	
MPA 36995	
MPA 36996	
MPA 36997	
MPA 36998	



British Geological Survey

GeoIndex Onshore






Search

Spatial search: Click on 'Rectangle', 'Polygon' or 'Circle' buttons to draw a selection shape on the map.

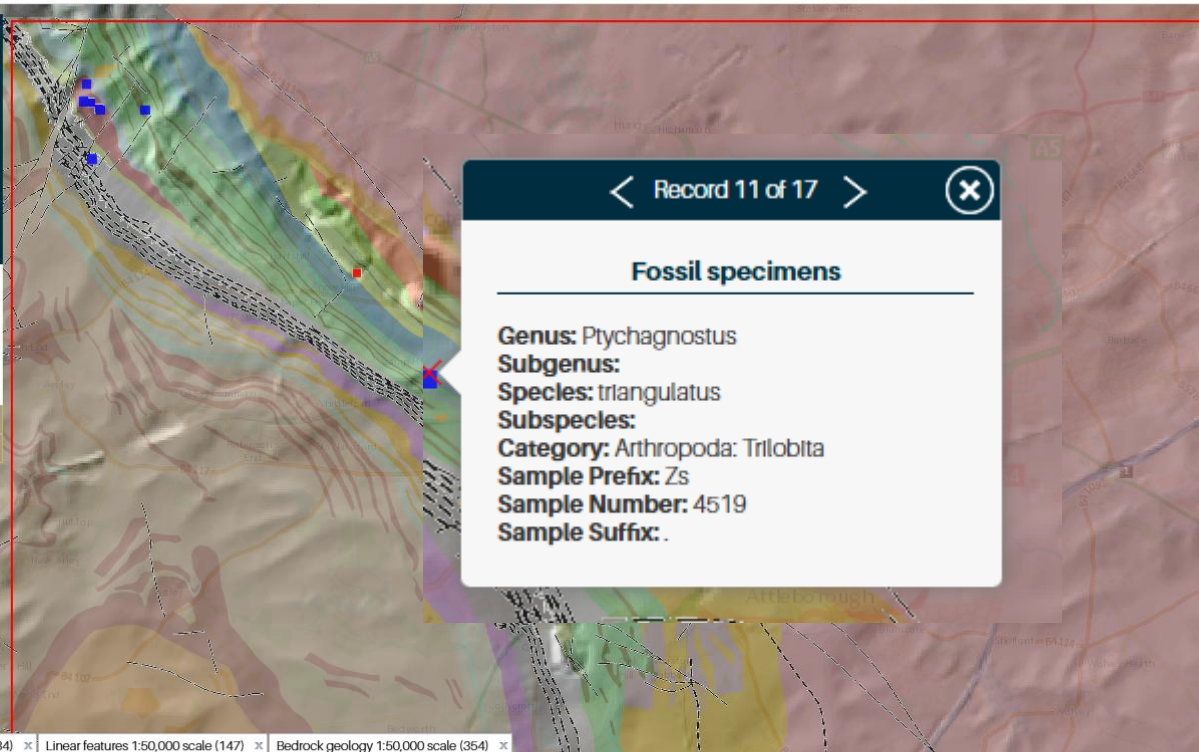
Attribute query: Click on 'Query' button to search based on feature attributes.

Rectangle
Polygon
Circle
Query

Clear Selection
Export Selection



Hover over a row to highlight feature.
Double click on row to zoom to feature.



<
Record 11 of 17
>
✕

Fossil specimens

Genus: Ptychagnostus
Subgenus:
Species: triangulatus
Subspecies:
Category: Arthropoda: Trilobita
Sample Prefix: Zs
Sample Number: 4519
Sample Suffix:

[Fossil localities \(11\)](#)
[Fossil specimens \(134\)](#)
[Linear features 1:50,000 scale \(147\)](#)
[Bedrock geology 1:50,000 scale \(354\)](#)

Reference	
MPA 36993	
MPA 36994	
MPA 36995	
MPA 36996	
MPA 36997	
MPA 36998	

PalaeoSaurus online collections database

To search the PalaeoSaurus database, please enter a search term in one or more fields and click on "Submit". You may use % as a wildcard symbol.

Search the PalaeoSaurus database

Taxonomic group :

Genus or subgenus:

Species :

Chronostratigraphy :

Locality :

Collector / donor :

Publication (author) :

Type of specimen :

Specimen registration No :

[Reset Defaults](#)
[Submit Query](#)

Notes about BGS palaeontological registration numbers

Prefix	Description
GSE	Museum reference collection — Edinburgh (now mostly held at Keyworth)
GSL	Museum reference collection — Leeds (now held at Keyworth)
GSM	Museum reference collection (Keyworth)
1FF-20FF	Scottish general collections (Edinburgh)

PalaeoSaurus Online Collections Database

Viewing rows **1** to **1** of **1**



Please click on the underlined registration number of the fossil sample you are interested in to see the available information.

Row	Registration No.	Classification	Locality	Status
1	<u>Zs 4519.</u>	<i>Ptychagnostus triangulatus</i>	Nuneaton	

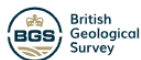


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Geological
Survey

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[Discovering geology](#)
[Home](#) > [Data](#) > [Information hub](#) > [Dictionaries](#) > [PalaeoSaurus](#) > [Search](#) > [Sample details](#)

PalaeoSaurus Search results single record view

[Return to list of results](#)
Registration No. :

Zs 4519 .

Type :

Not Designated a Type

Identifications :

New:

Arthropoda: Trilobita

Ptychagnostus triangulatus (Illing)?

Locality :

Nuneaton

Grid Reference :

Available from curator

Country :

England & Wales

1:50K map :

169

Chronostratigraphy :

St David's Series — St David's Series

Lithostratigraphy :

ABBEY SHALE FORMATION

Collector / Donor :

Available from curator

References :

Alcheringa, Vol.3, 53-54

GeoIndex

Geochemical Samples



British Geological Survey

GeoIndex Onshore



Data

☒ Geochemical samples 

☐ Geoscientific Photos 

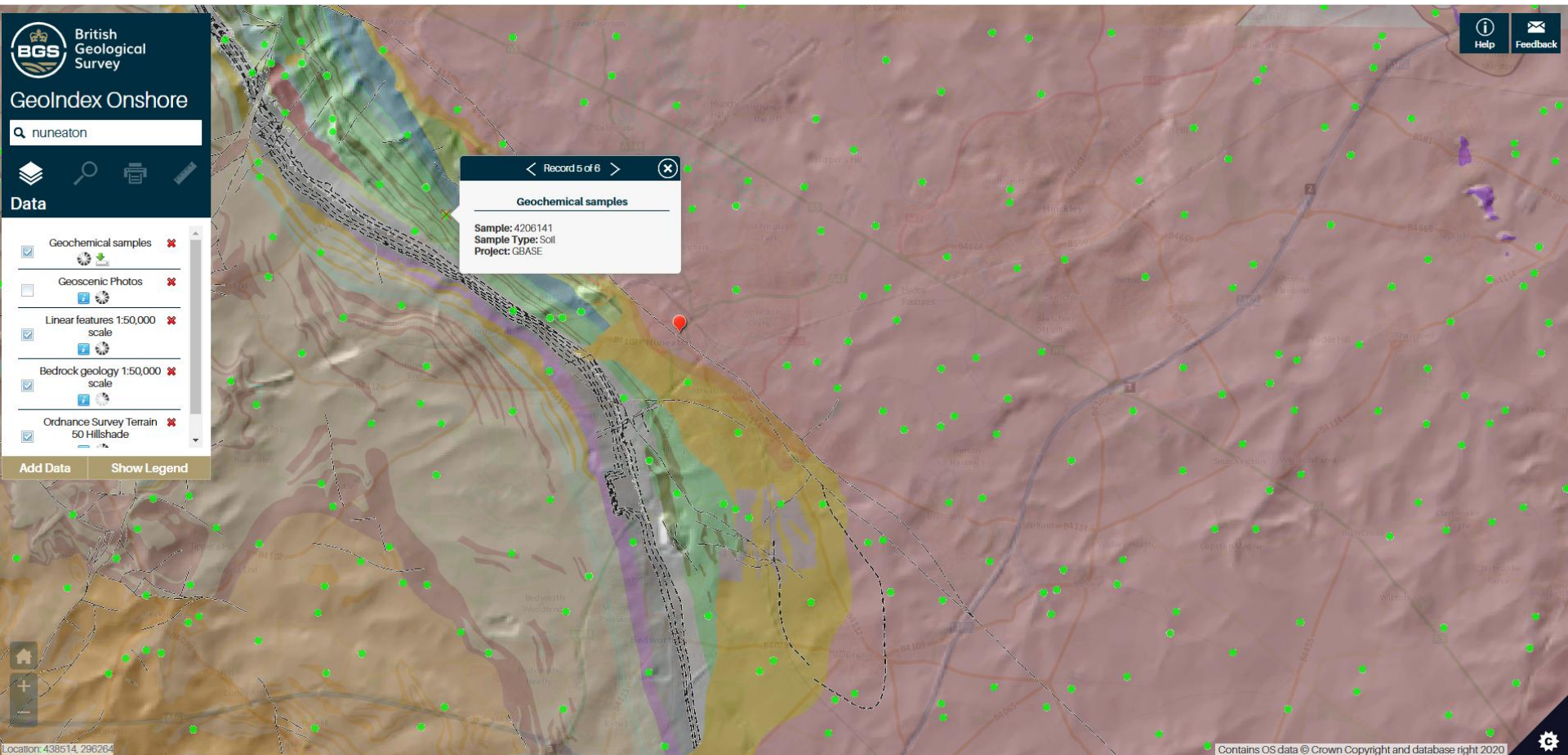
☒ Linear features 1:50,000 scale 

☒ Bedrock geology 1:50,000 scale 

☒ Ordnance Survey Terrain 50 Hillshade 

Add Data

Show Legend



< Record 5 of 6 >



Geochemical samples

Sample: 4206141

Sample Type: Soil

Project: GBASE

 Help

 Feedback

Location: 438514, 296264

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GeoIndex

Boreholes

Logs and AGS data



British Geological Survey

GeoIndex Onshore



Data

☒ Borehole drillcore & samples 

☒ Linear features 1:50,000 scale 

☒ Bedrock geology 1:50,000 scale 

Add Data

Show Legend

Record 1 of 5 > 

Borehole drillcore & samples

Reference: SP39NW7/
Borehole Name: MEREVALE 3
Type: Drillcore or bulk samples

Location: 430828, 295730

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Borehole materials database

BGS Technologies — Databases

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Onshore borehole materials

The British onshore borehole collection database of core and sample types and depths contains records of over 15 000 onshore boreholes. Material types include continuous drillcore, core samples, individual hand specimens, bulk samples, unwashed cuttings, washed and dried cuttings, plugs, powders and bulk samples. Details of thin sections are in our [BRITROCKS](#) database.

UKCS (offshore) hydrocarbon well collection

The UKCS (offshore) hydrocarbon well collection database of core and sample types and depths contains records from over 8000 UKCS (offshore) hydrocarbon wells. It includes over 300 km of drillcore and 4.5 million samples of cuttings. Material may be selected by any combination of well name, operator, depth range and sample type.

Results include thumbnail links to high resolution images (where available).

You can also use a map to search this database using our offshore GeoIndex.

Borehole Materials - Search results

⏮ ⏪ Viewing page 1 of 1 (rows 1 to 4 of 4) ⏩ ⏭

Bore name	Comments	Map reference		Bore length (m)	Top depth (m)	Base depth (m)	View samples
MEREVALE 1 OTHER NAME=		SP 2994 9608 SP29NE/16	   	217.63	5.5	1366.7	Samples
MEREVALE 1A OTHER NAME=		SP 2994 9608 SP29NE/16	 	54.91	1.8	54.9	Samples
MEREVALE 2 OTHER NAME=	IGS MANCETTER	SP 3001 9509 SP39NW/6	 	258.00	1.5	257.9	Samples
MEREVALE 3 OTHER NAME=	IGS MANCETTER	SP 3071 9574 SP39NW/7	  	249.00	1.8	252.1	Samples

Borehole Materials - Search results

Bore name	Material type	Set name	Top depth (m)	Base depth (m)
MEREVALE 3 OTHER NAME=	 POWDER	SPICE SAMPLES	1.83	89
MEREVALE 3 OTHER NAME=	 BULK SAMPLE		1.83	252.07
MEREVALE 3 OTHER NAME=	 RESIDUE		1.83	249.33
MEREVALE 3 OTHER NAME=	 Registered Borehole Specimen	BDA. Sample Numbers BDA 1 to 2691	2.13	249.63
MEREVALE 3 OTHER NAME=	 Registered Specimen	BDA	2.13	89.31
MEREVALE 3 OTHER NAME=	 Registered Specimen	BDA	111.989	249.48

[Back to search results](#)



British Geological Survey

GeoIndex Onshore



Data

☒ Borehole drillcore & samples

☒ Linear features 1:50,000 scale

☒ Bedrock geology 1:50,000 scale

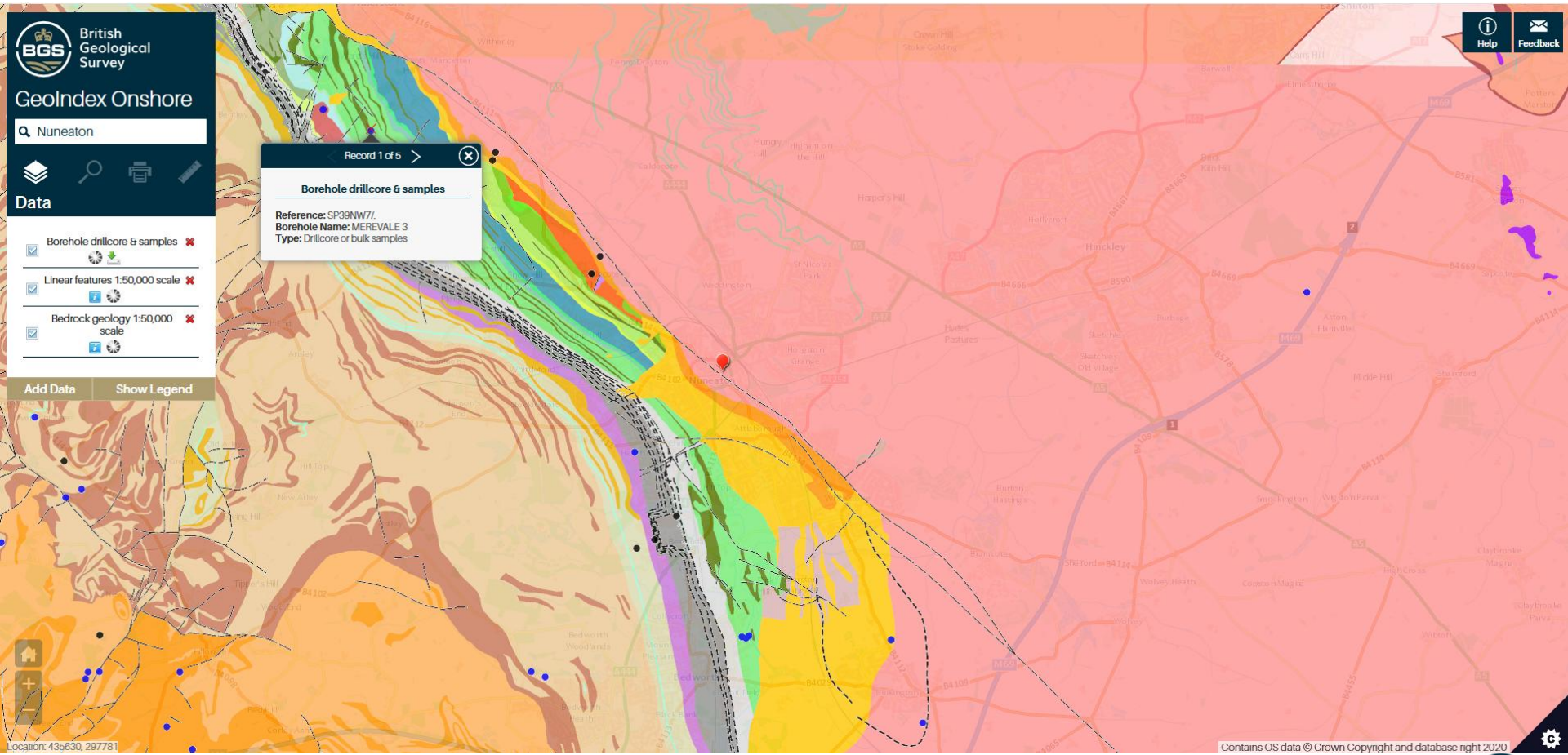
Add Data

Show Legend

Record 1 of 5 > 

Borehole drillcore & samples

Reference: SP39NW77
Borehole Name: MEREVALE 3
Type: Drillcore or bulk samples



 Help

 Feedback

Location: 435630, 297781

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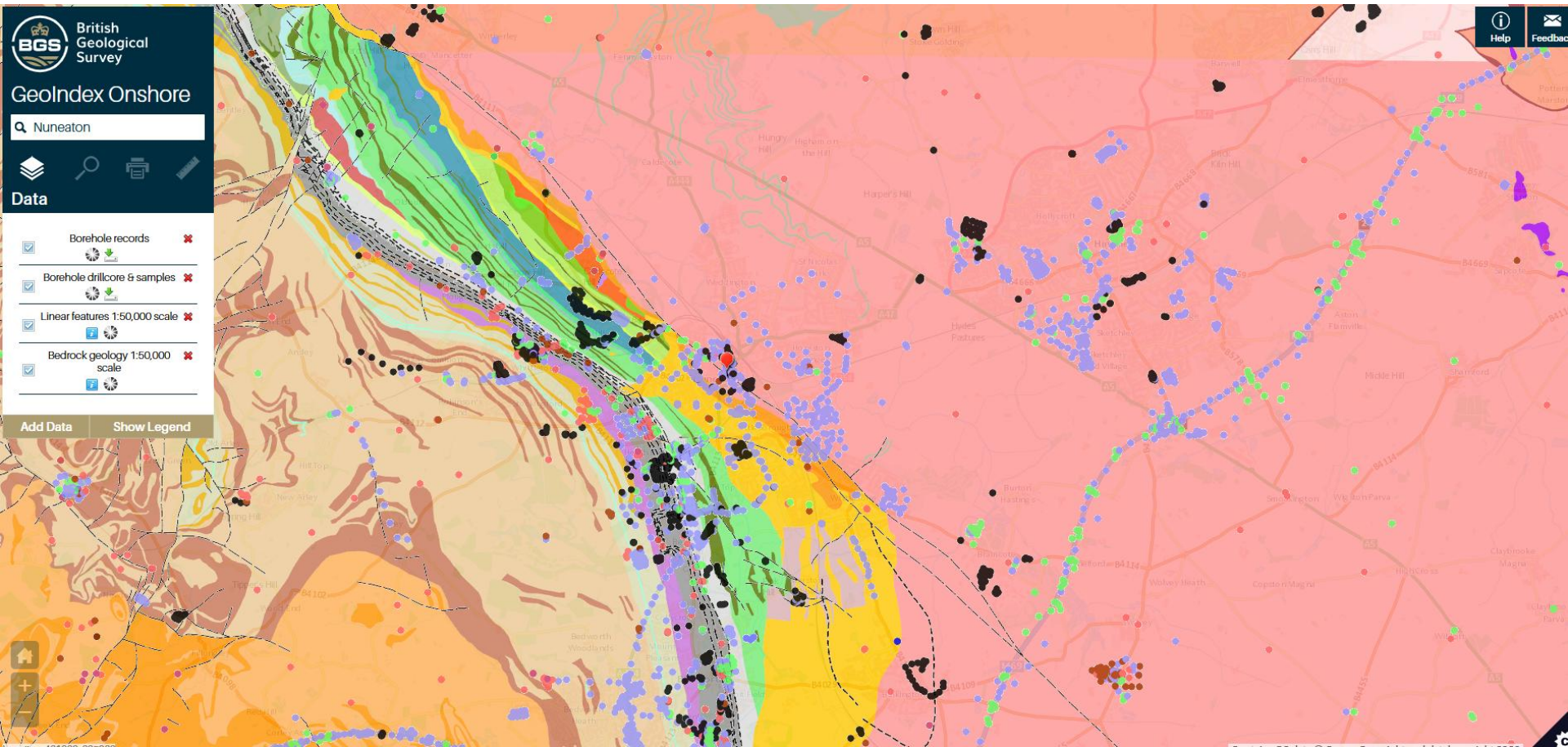
BGS British Geological Survey

GeoIndex Onshore

Data

- ☒ Borehole records
- ☒ Borehole drillcore & samples
- ☒ Linear features 1:50,000 scale
- ☒ Bedrock geology 1:50,000 scale

Add Data **Show Legend**





British Geological Survey

GeolIndex Onshore



Data

☒ Borehole records 

☒ Borehole drillcore & samples 

☒ Linear features 1:50,000 scale 

☒ Bedrock geology 1:50,000 scale 

Add Data

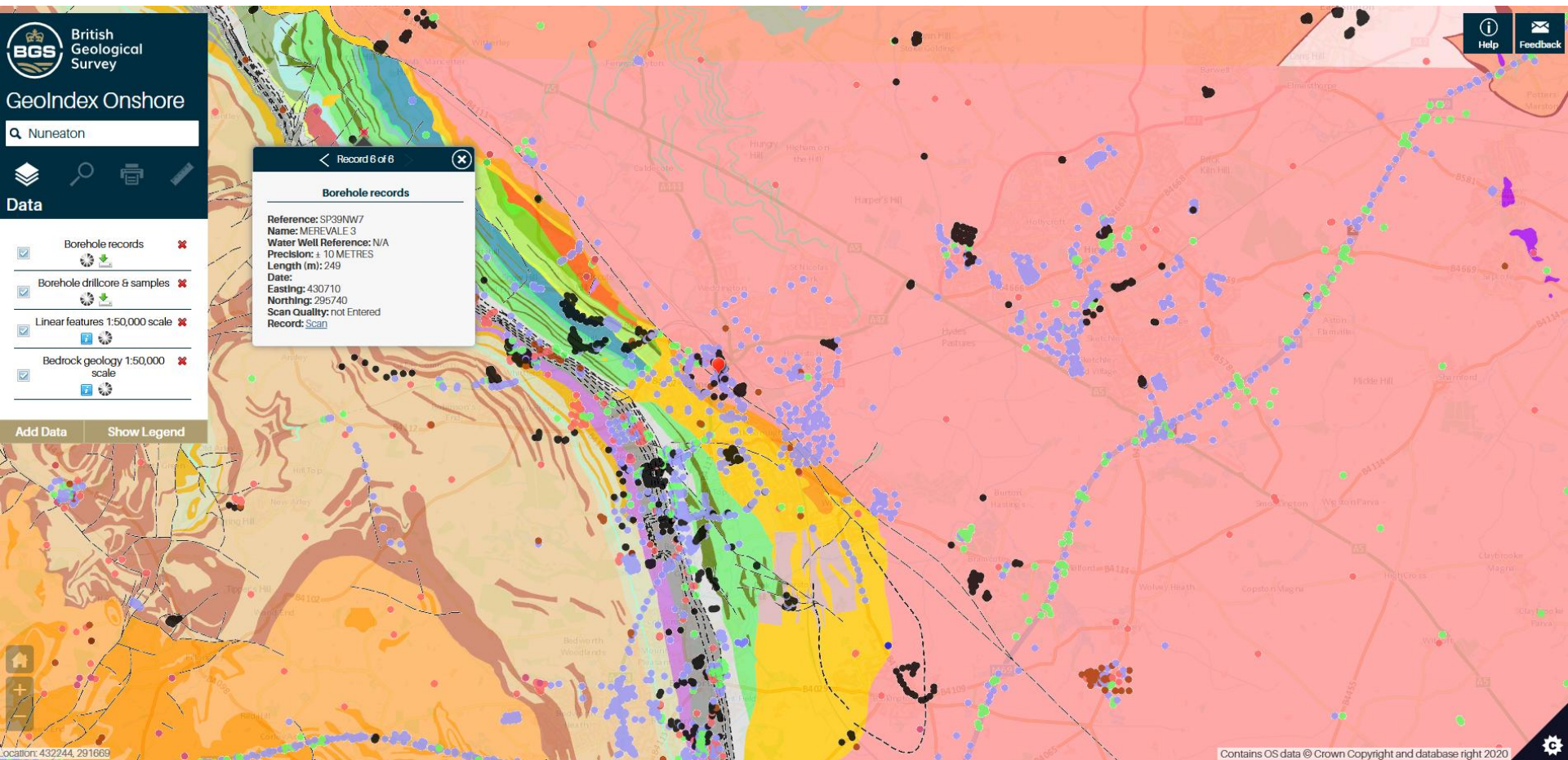
Show Legend

< Record 6 of 6



Borehole records

Reference: SP39NW7
Name: MEREVALE 3
Water Well Reference: N/A
Precision: ± 10 METRES
Length (m): 249
Date:
Easting: 430710
Northing: 295740
Scan Quality: not Entered
Record: [Scan](#)





Institute of Geological Sciences

6-in or 1:10 000 Map Registration No.

Page

Name and Number of Shaft or Borehole :

SP 39 NW/7

National Grid Reference

6

Menevale No. 3 Borehole

3071.9574

IGS 1145, 163, 5000 8/74

Geological Classification	Description of Strata	Thickness metres	Depth metres
	Brought Forward		
	Mudstone, grey to pale grey; abundant burrows and coprolites for 2 in at 398 ft 2 in, many of them pyritized, also much disseminated pyrite; burrows less frequent from 398 ft 2 in; becoming finer-grained and darker downwards; dark grey from 398 ft 4 in; sharp base	6 398 6 (121.46)	
	Mudstone, pale, silty; intensively burrowed in the top 3 in with much disseminated pyrite; sandy micaceous bands; finer and darker downwards with less frequent burrows; dip 7° at 399 ft; numerous silty lamellae for 5 in from 399 ft 3 in, finer and darker below; sharp base	1 10 400 4 (122.02)	
	Mudstone, pale grey, slightly silty with many silty micaceous lamellae; numerous burrows in the top 3 in; thin, intensively burrowed layers at intervals below; also scattered burrows; a few thin carbonaceous bands between 402 ft 10 in and 403 ft 8 in, and 406 ft 8 in and 407 ft, generally underlain by burrowed beds	9 0 409 4 (124.74)	
	Mudstone, dark grey with carbonaceous interlaminae; pyritized beds (about 1/8 in across) every 6 in or so; these often coincide with thin burrowed layers	3 8 413 0 (125.88)	
	Mudstone, grey, slightly silty; silty mudstone and mica-		



British Geological Survey

GeoIndex Onshore



Data

☒ AGS Boreholes 

☐ Borehole records 

☐ Borehole drillcore & samples 

☒ Linear features 1:50,000 scale 

☒ Bedrock geology 1:50,000 scale 

Add Data

Show Legend

< Record 2 of 3 >



AGS Boreholes

Reference ID: 2022062714032318753

Project name: A5, School Lane Footbridge

Project contractor: Marshall Drilling

Project engineer: Omnia

Eastings: 431804

Northing: 297581

Final depth (m): 12.3

Record: [See record](#)

 Help

 Feedback

Have questions about this doc? Ask AI Assistant

Borehole Log										BH02/21
Project Name: A5, School Lane Footbridge Project No: 810758										Page 1 of 3
Borehole ID: BH02/21										
Location: A5 Co-ords (British National Grid): 431804 - 297581 Level: 74.5										
Hole Type: RC Logged By: Dates: -										
Client: CLM Construction Contractor: Marshall Drilling Project Engineer: Omnia										
Plant Used: SPT Hammer Serial No:										
Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth (m)	
		Depth (m)	Type							
					0.40	74.10		Soft light brown slightly gravelly clayey SILT with frequent rootlets. Gravel is subrounded fine to coarse of flint. TOPSOIL.	0.5	
				N-13 (2,2/2,3,4,4)	1.65	72.85		Firm reddish brown sandy slightly gravelly CLAY. Gravel is subangular to rounded fine to coarse of flint and mudstone.	1.0	
				N-12 (1,1/3,4,2,3)	2.20	72.30		Medium dense reddish brown slightly gravelly fine to medium SAND. Gravel is subrounded fine to medium of mudstone and flint.	1.5	
				N-35 (2,8/9,8,8,10)				Dense reddish brown very clayey fine to medium SAND.	2.0	
				N-43 (3,6/7,10,12,14)	4.60	69.90		Extremely weak to weak reddish brown moderately weathered thinly laminated silty fissile MUDSTONE recovered with 20-40mm bands of drilling induced silty gravels.	2.5	
									3.0	
IMPORTANT: This is a basic log auto-generated from AGS data held by the National Geoscience Data Centre (NGDC) and does not necessarily include all of the information supplied in the original AGS file. If you wish to deposit AGS files to the NGDC please see www.bgs.ac.uk/services/ngdc/ . Generated 14-02-2025 at 20:04. BGS Reference 2022062714032318753										

AGS4 File Utilities Tool and API

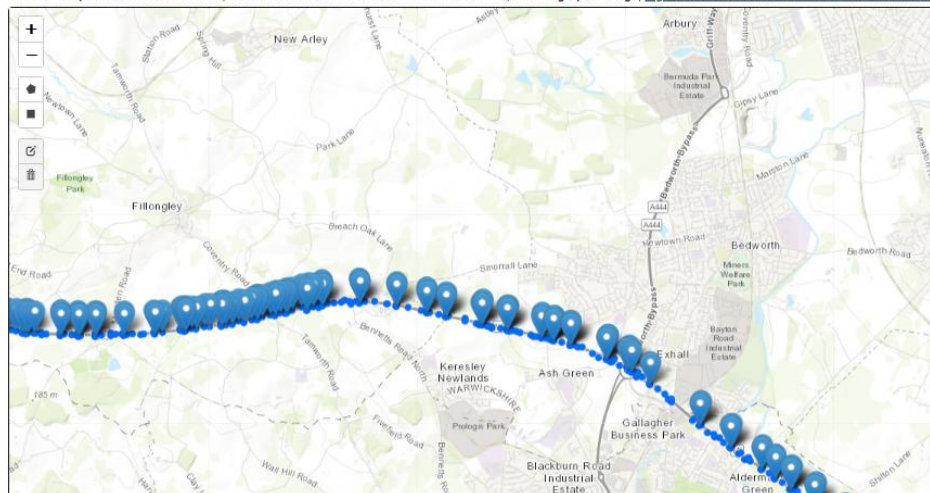
This tool and associated [API](#) allow schema validation, data validation and conversion of your [AGS files](#). Files are not saved or stored by this tool. Also included are

Data Discovery

Schema & Data Validator

Data Submission

Use the map below to find AGS data, click on the markers to find borehole information, links to graphical logs, [ags data download from the NGDC AGS database](#)



AGS Borehole Information

BGS LOCA ID: 2020020412001532782

Depth (m): 15.4

Project Name: Smart Motorways Programme, M6 J2 to J4

Project Engineer: null

Project Contractor: null

Original LOCA ID: 326775/C30

AGS Graphical Log: [View](#) / [Download](#)

AGS Data (NGDC Download Service): [Download](#)

AGS Submission Record (raw data): [View](#)

The map will show a maximum of 100 AGS markers - users may need to pan/zoom to display markers of interest.

If no AGS Submission Record is shown at the link provided there is likely a legacy confidentiality restriction.

The [AGS Download Service](#) is available to download AGS data for individual boreholes via the marker pop up menu, or up to 10 boreholes based on a spatial search (bounding box or polygon). A zip file will be supplied containing one or more .ags files, on a per project basis. For example:

- Selecting 10 boreholes from 10 different PROJ ID, then 10 .ags files will be supplied.
- Selecting 10 boreholes from a single PROJ ID then only one .ags file will be supplied.

Borehole Log

326775/C30

Page 3 of 4

Project Name: Smart Motorways Programme, M6 J2 to J4 Project No: 70004578

Borehole ID: 326775/C30

Location: Co-ords (British National Grid): 434547 - 285073 Level: 15.4

Hole Type: RC Logged By: Dates: 2000-09-15 - 2000-09-15

Client: Highways England Contractor: Project Engineer:

Plant Used: SPT Hammer Serial No:

Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
					11.45	3.95		Weak medium and thickly bedded red brown MUDSTONE with extremely closely and very closely spaced subhorizontal and subvertical incipient discontinuities with dark green brown discolouration on surfaces Fractures medium and widely spaced subhorizontal 10 15deg tight irregular and rough Keele Formation From 10 50 to 10 80m core loss From 10 80m silty mudstone	10.5
									11.0
									11.5
									12.0
								Weak thickly and very thickly bedded red brown line sandy SILTSTONE with very closely spaced subhorizontal and subvertical incipient discontinuities Fractures are widely and very widely spaced subhorizontal 10 15deg tight irregular and rough Keele Formation From 12 40 to 12 95m core loss	12.5
									13.0
									13.5
								Moderately weak possibly medium bedded red brown line SANDSTONE Fractures closely spaced tight rough and irregular Keele Formation From 14 95 to 15 40m vertical fracture with green grey discolouration and loss of strength penetrating up to 30mm	14.0
									14.5

Deposited data search

This search allows you to discover data that has been ingested by the [National Geoscience Data Centre](#) (NGDC) and the [National Geological Repository](#) (NGR). Use of the data is subject to [NGDC Terms and Conditions](#). You can also find the data using the Deposited Data layers on the [Geoindex](#).

To deposit data with the NGDC please visit our [Deposit Portal](#).

Simple search

Advanced search

Text search



Search

Clear All Tabs

Filter results by location

Some results do not contain spatial data and so will not appear on the map.
Remember to clear any limitations on map before starting new search.



Limit your results to the visible map area ☐
Draw an area onto the map to limit your results to ☐

Search

Clear Results

Item ID	128145
Title	Highways England Boreholes
Description	AGS files downloaded from HAGDMS website. 121 Reports covering the UK.
Subjects	Laboratory tests; Boreholes;
Source (data category)	Voluntary/Commercial
Depositor	National Highways
Digital data available	

File name	File size	File format	Select files for download
HE Report 10323.ags	13.73 KB	ags	☐
HE Report 10358.ags	126.55 KB	ags	☐
HE Report 10510.ags	180.67 KB	ags	☐
HE Report 11668.ags	19.07 KB	ags	☐
HE Report 11724.ags	139.14 KB	ags	☐
HE Report 11869.ags	6.16 KB	ags	☐
HE Report 11924.ags	16.1 KB	ags	☐
HE Report 1211.ags	1017.16 KB	ags	☐
HE Report 12145.ags	26.46 KB	ags	☐
HE Report 12159.ags	8.82 KB	ags	☐
HE Report 12162.ags	32.96 KB	ags	☐
HE Report 12173.ags	33.03 KB	ags	☐
HE Report 12295.ags	71.62 KB	ags	☐
HE Report 12342.ags	15.64 KB	ags	☐
HE Report 12347.ags	14.21 KB	ags	☐
HE Report 12548.ags	15.44 KB	ags	☐
HE Report 12661.ags	68.1 KB	ags	☐
HE Report 12664.ags	388.31 KB	ags	☐
HE Report 12707.ags	22.66 KB	ags	☐
HE Report 15490.AGS	2.78 KB	AGS	☐
HE Report 1621.ags	585.98 KB	ags	☐
HE Report 16617.ags	4.72 KB	ags	☐
HE Report 16682.ags	396.42 KB	ags	☐
HE Report 16795.ags	38.34 KB	ags	☐
HE Report 16813.ags	21.52 KB	ags	☐
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HE Report 17256.ags	5.96 KB	ags	☐
HE Report 17573.ags	105.95 KB	ags	☐
HE Report 17767.ags	289.78 KB	ags	☐
HE Report 17964.ags	12.75 KB	ags	☐
HE Report 17967.ags	21.74 KB	ags	☐

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HE Report 12707.ags - Notepad
File Edit Format View Help

["**PROJ"]
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"HDPH_TYPE","WS","Window Sampler"
"GEOL_GEO2","CLAY","CLAY"
"GEOL_GEO2","GRAVEL","GRAVEL"
"GEOL_GEO2","MADE GROUND","MADE GROUND"
"GEOL_GEO2","MADEGROUND","MADEGROUND"
"GEOL_GEO2","TOPSOIL","TOPSOIL"
"GEOL_GEOL","MADE GROUND","Undefined"
"GEOL_GEOL","MADEGROUND","Undefined"
"GEOL_GEOL","TOPSOIL","Undefined"
"GEOL_LEG","101","TOPSOIL"
"GEOL_LEG","102","MADE GROUND"
"GEOL_LEG","201","CLAY"
"GEOL_LEG","501","GRAVEL"
"HOLE_TYPE","WS","Window Sampler"
"SAMP_TYPE","BLK","Block sample"
"SAMP_TYPE","D","Small disturbed sample"

**HOLE
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"HOLE_CREW","*HOLE_ORNT","*HOLE_INCL","*HOLE_EXC","*HOLE_SHOR","*HOLE_STAB","*HOLE_DIML","*HOLE_DIMM","*HOLE_LOCM","*HOLE_LOCA","*HOLE_CLST","*FILE_FSET","*?HOLE_CHK","*?HOLE_APP","*?HOLE_
"*?HOLE_OID","*?HOLE_OCON","*?HOLE_CNGE","*?HOLE_OFFS","*?HOLE_STAT","*?HOLE_GREF","*?HOLE_LAT","*?HOLE_LON"
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"<CONT>","","","to boring a Cable Avoidance Tool (CAT) survey was carried out. An inspection pit was hand dug to 1.20m ",
"<CONT>","","","depth and rescanned using a CAT to check for services. Services were not located. 3. The hole was termi",
"<CONT>","","","nated at 5.20m due to hard strata causing poor penetration. 4. On completion the window sample borehole",
"<CONT>","",""," was backfilled with bentonite pellets.",
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"<CONT>","","","depth and rescanned using a CAT to check for services. Services were not located. 3. On completion the",
"<CONT>","",""," window sample borehole was backfilled with bentonite pellets.",
"<CONT>","","","ion Services (2000)",
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"<CONT>","","","depth and rescanned using a CAT to check for services. Services were not located. 3. On completion the",
"<CONT>","",""," window sample borehole was backfilled with bentonite pellets.",
```

GeoIndex

Deposited data search

Deposited data search

This search allows you to discover data that has been ingested by the [National Geoscience Data Centre](#) (NGDC) and the [National Geological Repository](#) (NGR). Use of the data is subject to [NGDC Terms and Conditions](#). You can also find the data using the Deposited Data layers on the [Geoindex](#).

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Advanced search

Text search



Search

Clear All Tabs

Filter results by location

Some results do not contain spatial data and so will not appear on the map.
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Limit your results to the visible map area ☐

Draw an area onto the map to limit your results to ☐

Search

Clear Results

Search results (42 records found)

Showing 1 to 10 of 42 entries Show entries

Previous 2 3 4 5 Next

19204	Attleborough Road, Nuneaton, Warwickshire	Site Test Work	Zoom Map to record
			View Record
49531	Coal Authority - Advances in Exploration Methods and Applications (ADEMA)	UK Coal Data: ADEMA Inaugural Meeting, Documents, Minutes and Presentations. 3D Geological and Seismic methods of collecting geological information.	Zoom Map to record
			View Record
49532	Coal Authority Daw Mill Area - Advances in Exploration Methods and Applications (ADEMA)	UK Coal Data: ADEMA Support Data March '07, Eaves Green, Hillfields and Keatleys Pool Boreholes, Reports, Financial Statements and Research Papers	Zoom Map to record
			View Record
48629	Daw Mill	UK Coal Data: Daw Mill 3D Dec 2002. LVL Files 1003-1082	Zoom Map to record
			View Record
48611	Daw Mill 2004 Survey Refraction Statics Stacks	UK Coal Data: Seismic Data	Zoom Map to record
			View Record
48749	Daw Mill 3D (including Corley Moor extension)	UK Coal Data: Volumes include 2002 un-migrated stack and 2002 migrated stack, 2011 un-migrated stack and 2011 migrated stack	Zoom Map to record
			View Record
48771	Daw Mill 3D Field Area Report April 2003	UK Coal Data: Seismic Acquisition Survey, Data and Reports	Zoom Map to record
			View Record
49349	Daw Mill 3D including Corley Moor extension	UK Coal Data: Powerpoint processing report	Zoom Map to record
			View Record
49350	Daw Mill 4 3D Seismic Survey 2011	UK Coal Data: Daw Mill 4 3D seismic survey, Ob notes, SPS files, System Diagnostics, Daily Tests, Clock Tests, Geo Tap Tests	Zoom Map to record
			View Record
49590	Daw Mill and Kellingley	UK Coal Data: CAD Files for Kellingley and Daw Mill Reserves Plans 25/6/07	View Record

Showing 1 to 10 of 42 entries Show entries

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Details



Item ID	441
Title	Petrographic description and identification of selected samples of rocks from Judkin's quarry, Nuneaton.
Description	Report on conservation of rocks at Judkins quarry
Subjects	Petrography; Sample analysis;
Source (data category)	Voluntary/Commercial
Depositor	Private individual
Place name	NUNEATON (Warwickshire; SP3691)
Data Category Description	NGR Core Sample Analysis

Digital data available	File name	File size	File format
	1.tif	13.28 MB	tif

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**PETROGRAPHIC DESCRIPTION AND IDENTIFICATION
OF SELECTED SAMPLES OF ROCKS FROM
JUDKIN'S QUARRY, NUNEATON**

**UNDERTAKEN FOR
WARWICKSHIRE GEOLOGICAL CONSERVATION GROUP**

**A.D. CHAMBERS - APRIL 1992
SCHOOL OF EARTH SCIENCES
UNIVERSITY OF BIRMINGHAM**

Photographs by C.M. BARLOW, WGCC

Aerial Photographs by J. BALL, WGCC

Sheet Maps

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British Geological Survey

GeoIndex Onshore



Data

☒ Linear features 1:50,000 scale 

☒ Paper 50000 scale geological map series 

☒ Bedrock geology 1:50,000 scale 

☒ Ordnance Survey Terrain 50 Hillshade 

Add Data

Show Legend

< Record 3 of 6 > 

Paper 50000 scale geological map series

Country: England + Wales

Sheet: 169

Title: Coventry

Series: 5

Type: C

Scale: 50000

Survey Type: R

Survey Date: 1992

Published Date: 1994

Copyright Date: 1994

Last Revision Date:

Form: PL

Locations: K/S

Comments: Solid and Drift Edition.

BGS maps portal

BGS Information Hub

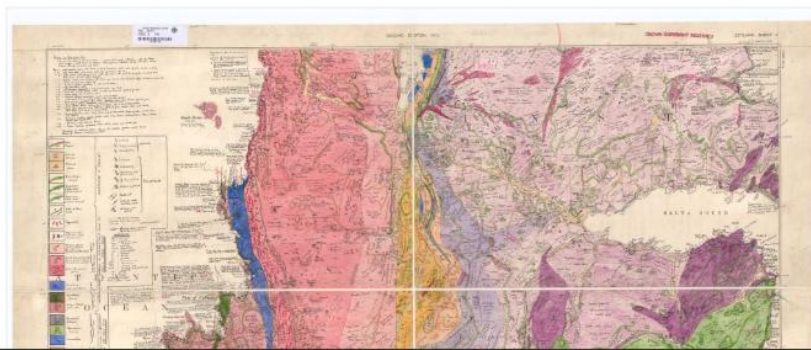
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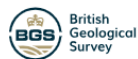


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- Available data
- Map listing pages
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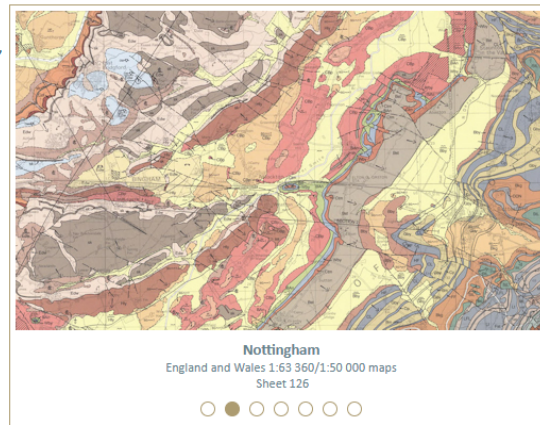
- 6,000 medium and small scale published maps. Almost all BGS published maps are available including 1:63,360/1:50,000 and smaller scales geological mapping; as well as our collections of geological sections, geophysical, geochemical and hydrogeological maps.
- 39,000 1:10,560/1:10,000 geological maps. Most maps are manuscript, or fair drawn. A small percentage, mostly from coalfield areas were issued as published sheets. Please note that these maps can be extremely variable in format and content.

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Maps & sections

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About & history

+ BGS 1:63 360/1:50 000 series maps

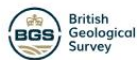
+ BGS 1:10 560/1:10 000 National Grid series maps

+ BGS 1:10 560 County Series maps

+ BGS 1:25 000 maps

+ 1:250,000 and Quarter inch to the mile maps





Geological Survey of England and Wales, New Series 1:63 360/1:50 000 geological map series

The most recently published medium scale map series for England and Wales in 360 sheet areas. Editions as Bedrock (formerly Solid) and Superficial Deposits (formerly Solid & Drift). Earlier sheets one inch to one mile, later at 1:50 000. Maps were issued 1856-2013.

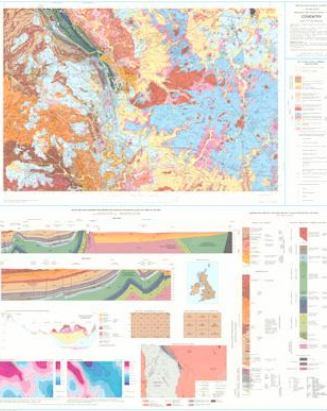
[Map sheet index](#)

The listing below shows only the most up to date editions: [View all editions](#).

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165	Montgomery.
165	Montgomery.
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166	Church Stretton.
167	Dudley.
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169	Coventry.
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Solid and Drift 1994

Coventry.

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Official Deposits (formerly Solid & Drift). Earlier sheets one inch to one mile, later at 1:50 000. Maps were

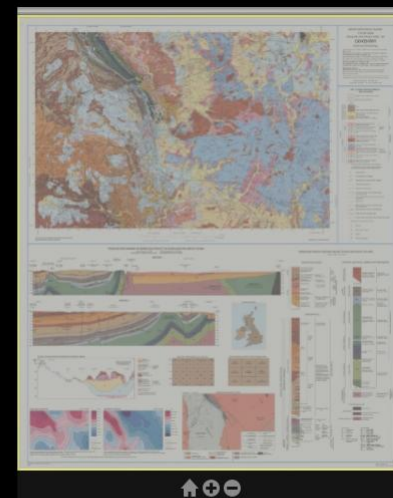
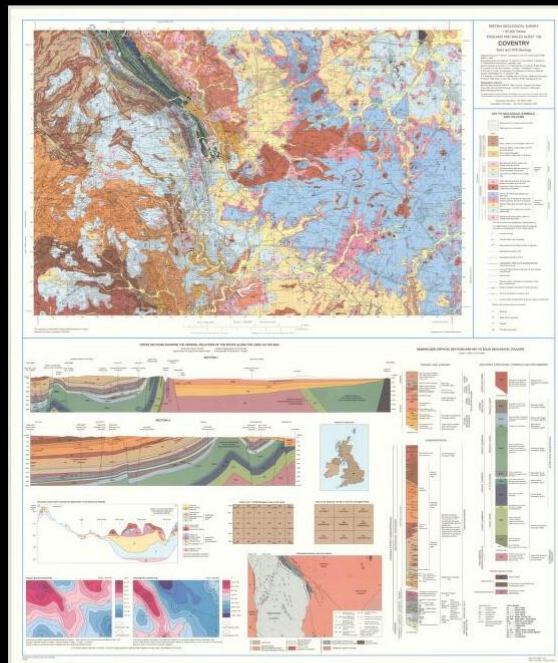


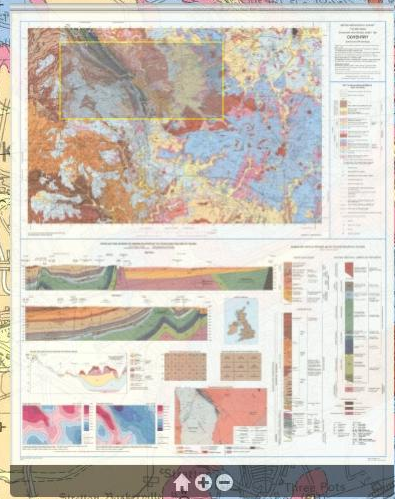
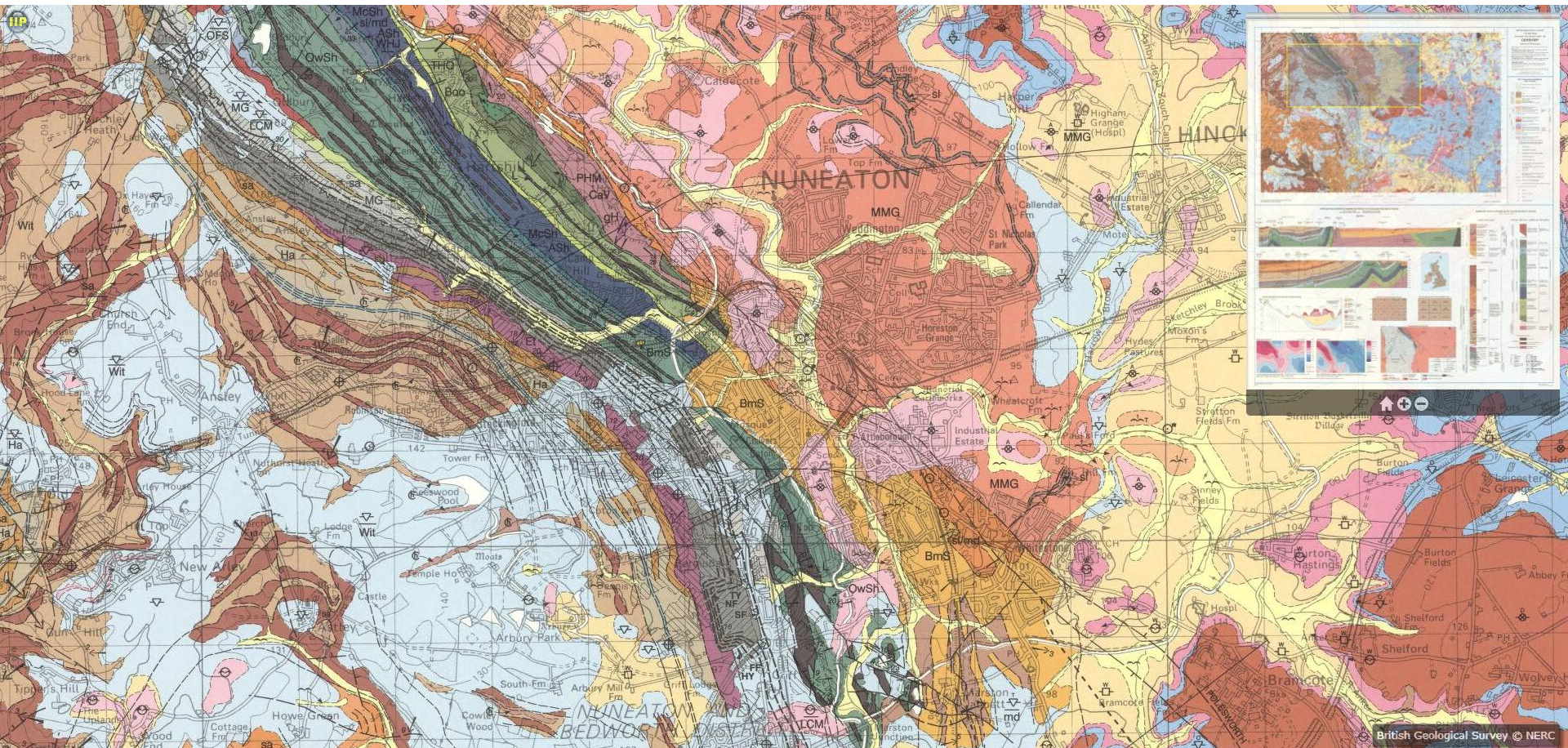
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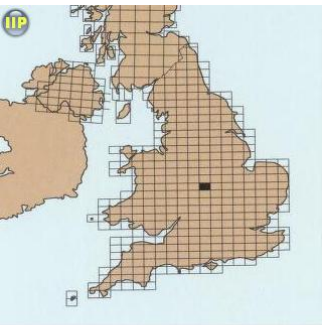
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Map type	Scale	Published year
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Drift	1:63 360	1967
Solid	1:50 000	1980
Bedrock and Superficial	1:50 000	2012
Solid and Drift	1:50 000	1996
Solid and Drift	1:50 000	1994
Solid with Drift	1:50 000	1994
Solid and Drift	1:50 000	1997
Solid and Drift	1:50 000	2002
Solid and Drift	1:50 000	1994
Solid and Drift	1:50 000	1980
Bedrock and Superficial	1:50 000	2010
Solid and Drift	1:50 000	1989
Solid and Drift	1:50 000	1996
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Joining 1:50 000 or One-Inch Geological sheets

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	169 COVENTRY	170 MARKET HARBOROUGH
	184 WARWICK	185 NORTHAMPTON

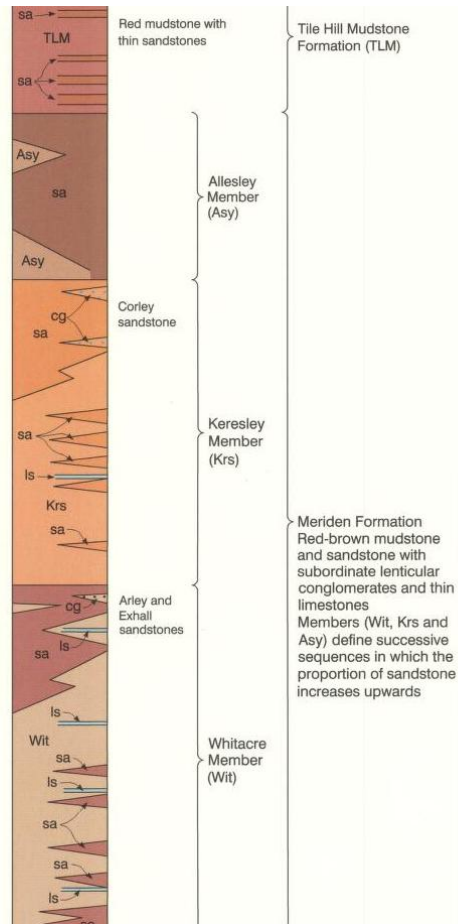
istrict



SILESIA (UPPER CARBONIFEROUS)

WESTPHALIAN - STEPHANIAN

WESTPHALIAN D - STEPHANIAN



PRECAMBRIAN
PROTEROZOIC III

LOWER CAMBRIAN

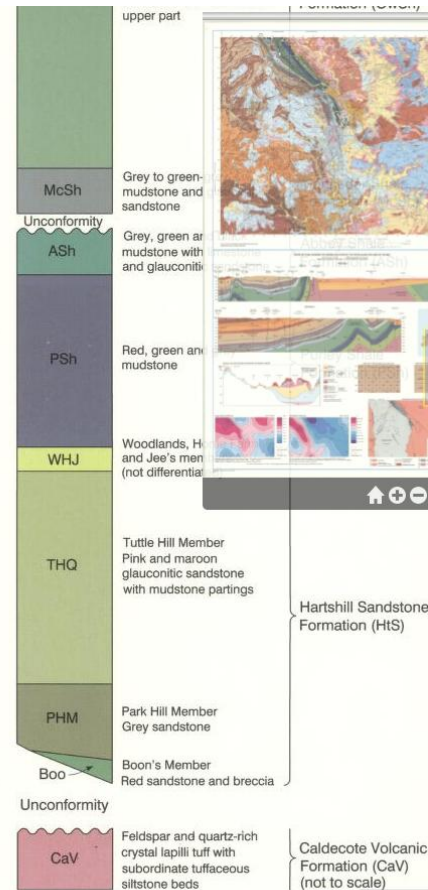
MIDDLE CAMBRIAN

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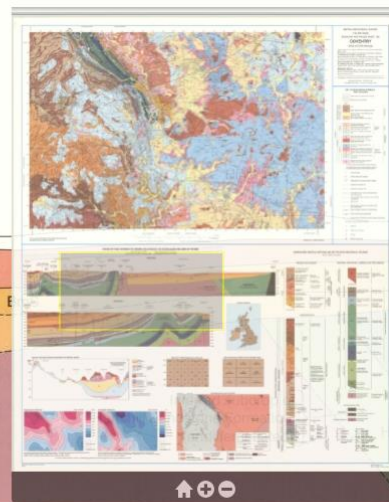
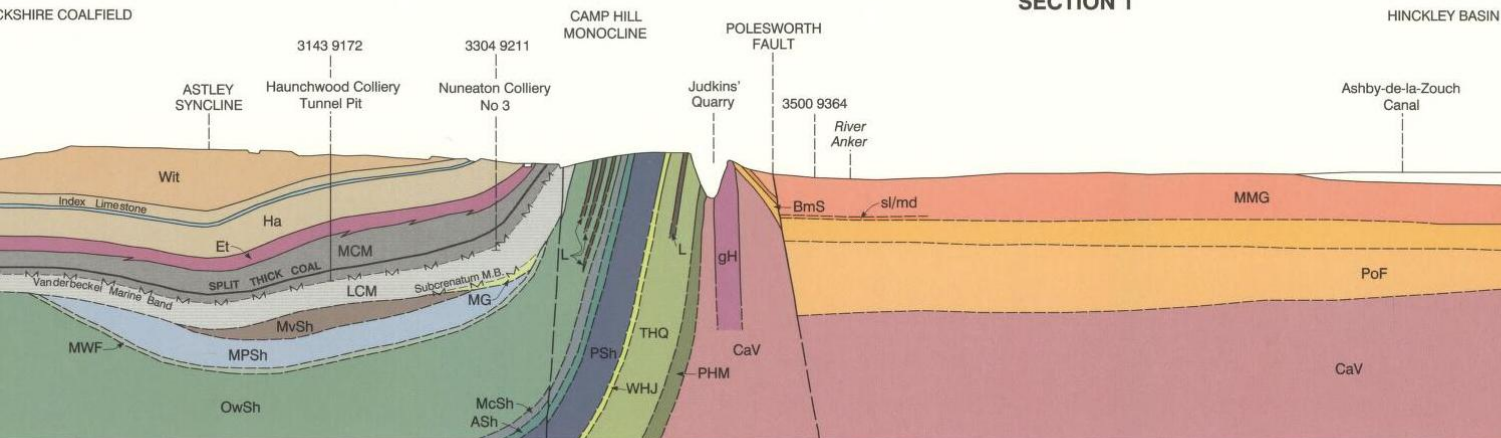
COMLEY SERIES

ST DAVID'S SERIES

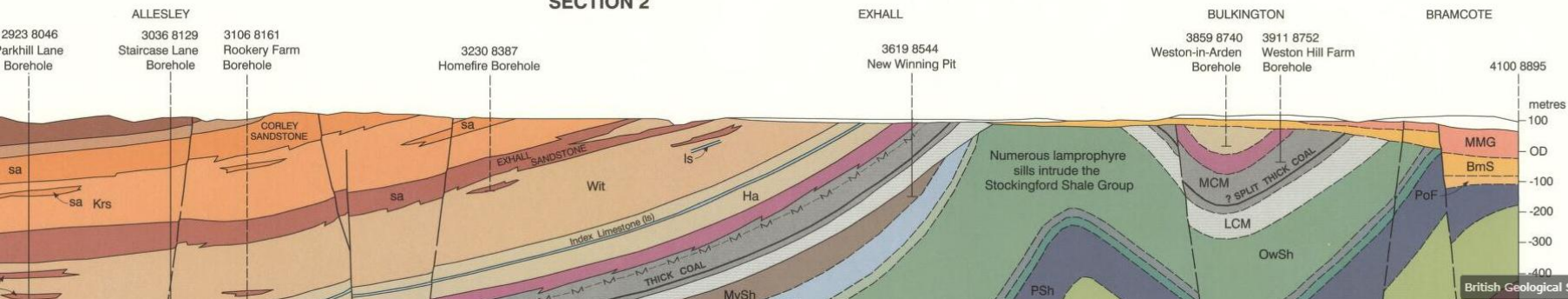
ME



SECTION 1



SECTION 2



Geological Survey of Great Britain National Grid Series 1:10 560 / 1:10 000 maps

Geological Survey maps based on National Grid sheetlines. Scales are mostly 1:10 560 or 1:10 000. A small number of sheets

! The BGS 1:10,560/1:10,000 geological maps is a very complex series. Users are strongly advised to [read the accompanying](#)

National Grid Series 1:10 000 maps



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Sheet number	Sheet title
SP39NE	SP39NE
SP39NE	SP39NE
SP39NE	SP39NE
SP39NE	SP39NE
SP39NE	SP39NE
SP39NE	SP39NE
SP39NW	SP39NW
SP39NW	SP39NW
SP39NW	SP39NW
SP39NW	SP39NW
SP39NW	SP39NW
SP39NW	SP39NW
SP39SE	SP39SE
SP39SE	SP39SE
SP39SE	SP39SE
SP39SW	SP39SW
SP39SW	SP39SW
SP39SW	SP39SW

10k s



Solid and Drift

1978

SP39NW

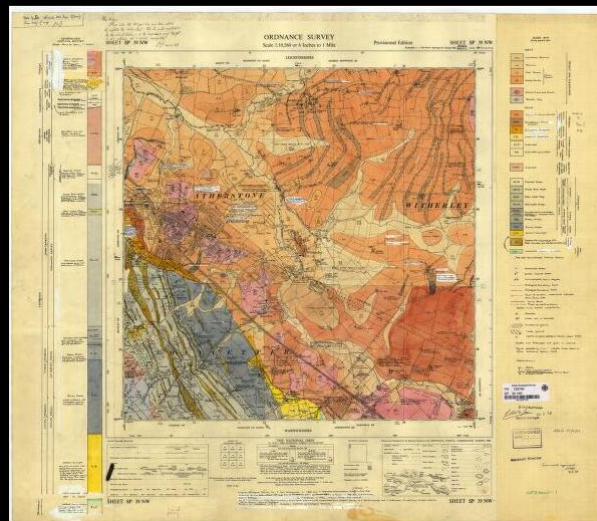
View scan

View full entry

page

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Scale	Published year
1:10 560	1978
1:10 000	1983
1:10 000	1983
1:10 000	1992
1:10 000	1992
1:10 000	1992
1:10 560	1978
1:10 000	1983
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1:10 000	1992
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1:10 000	1992
1:10 000	1992
1:10 560	1962
1:10 560	1962
1:10 560	1962



Geological Survey of Great Britain National Grid Series 1:10 560 / 1:10 000 maps

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National Grid Series 1:10 000 maps

Solid and Drift

1992

SP39NW

View scan

View full entry

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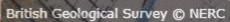
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SP39NW	SP39NW	1:10 000	1992
SP39NW	SP39NW	1:10 000	1992
SP39NW	SP39NW	1:10 000	1992
SP39SE	SP39SE	1:10 000	1992
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SP39SE	SP39SE	1:10 000	1992
SP39SW	SP39SW	1:10 560	1962
SP39SW	SP39SW	1:10 560	1962
SP39SW	SP39SW	1:10 560	1962
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SP39SW	SP39SW	1:10 000	1992
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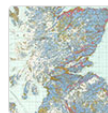
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These maps offer whole-country coverage of the United Kingdom. Geological, tectonic, structural, mineral resources and geophysical maps are represented together with a small number of historical facsimile maps.

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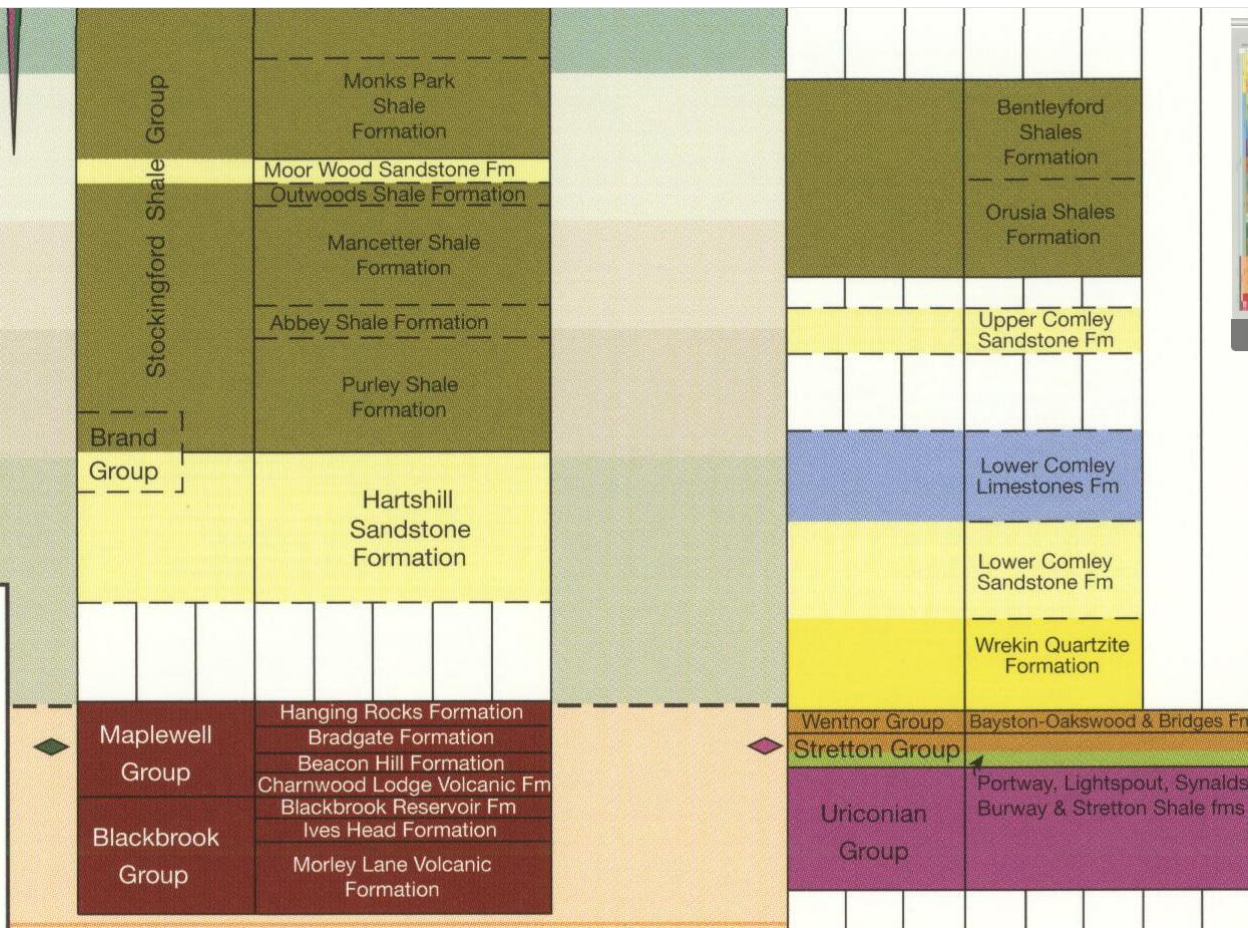
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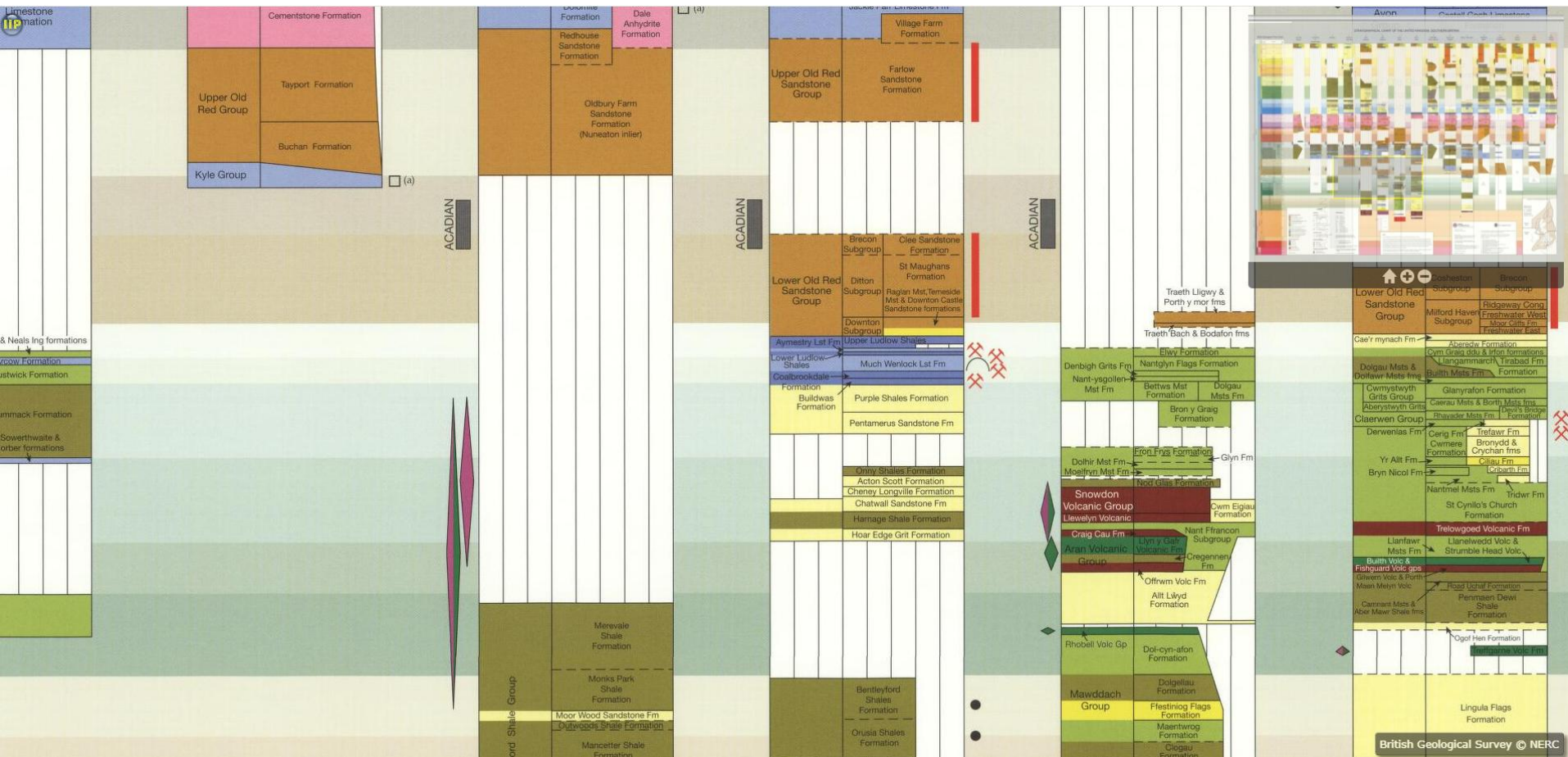
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Central Wales Mining field 1:100,000. Mineral Reconnaissance Programme.	Not Applicable	1:100 000	1974
Geothermal map of the United Kingdom 1:1,500,000.	Not Applicable	1:1 500 000	1985
Index map UK North sheet 1:750,000 scale.	Not Applicable	1:750 000	2006
Index map UK South sheet 1:750,000 scale.	Not Applicable	1:750 000	2006
Climate through time: our rocks reveal the story of change.	Not Applicable	Not Applicable	2009
Geological map of the British Islands based on the work of the Geological Survey.	Not Applicable	1:1 584 000 (1 inch to 25 miles)	2010
Fforest Fawr: exploring the landscape of a global geopark. Archwilo tirwedd geopoarc byd-eang.	Not Applicable	1:50 000	2013
Quaternary geology around the United Kingdom (South Sheet).	Quaternary	1:1 000 000	1994
Quaternary geology around the United Kingdom (North Sheet).	Quaternary	1:1 000 000	1994
Geology of the British Islands.	Solid	1:1 584 000 (1 inch to 25 miles)	1977
Sea bed sediments around the United Kingdom (South Sheet).	Seabed Sediments	1:1 000 000	1987
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Outdoor gamma-ray dose rates based on solid geology. Liverpool Bay (Sheet 53N 04W). Natural Environmental Radiactivity Survey. Scale 1:250 000	Not Applicable	1:250 000	
Radon potential based on solid and drift geology. Liverpool Bay (Sheet 53N 04W). Natural Environmental Radiactivity Survey. Scale 1:250 000	Not Applicable	1:250 000	
The Lake District and surrounds.	Not Applicable	1:200 000	
Cymru o'r gofod : Wales from Space.	Not Applicable	1:350 000	
Map of the geology and contours of London and its environs by R.W. Mylne G.E., F.G.S.	Not Applicable	Not Applicable	1856

Map of the British Islands (Solid).	Solid	1:1 584 000 (1 inch to 25 miles)	1969
Map of the British Islands (Solid).	Solid	1:1 584 000 (1 inch to 25 miles)	2002
Geological map of the British Islands based on the work of the Geological Survey.	Solid	1:1 584 000 (1 inch to 25 miles)	2008
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Geological map of Great Britain. Sheet 1 North.	Not Applicable	1:625 000	1948
Geological map of Great Britain. Sheet 1 North.	Not Applicable	1:625 000	1957
Geological map of Great Britain. Sheet 1 North.	Not Applicable	1:625 000	1964
Geological map of Great Britain. Sheet 1 North.	Not Applicable	1:625 000	1966
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Geological map of the United Kingdom, South sheet.	Not Applicable	1:625 000	1979
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Earthquakes 1980-1994: British Islands and adjacent areas.	Not Applicable	1:1 500 000	1994
Earthquakes 1980-1999: British Islands and adjacent areas.	Not Applicable	1:1 500 000	1999
Earthquakes 1980-2004: British Islands and adjacent areas.	Not Applicable	1:1 500 000	2004
Earthquakes 1980-2008: British Islands and adjacent areas.	Not Applicable	1:1 500 000	2008
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Sub-Pleistocene geology of the British Isles and the adjacent continental shelf.	Not Applicable	Not Applicable	1972

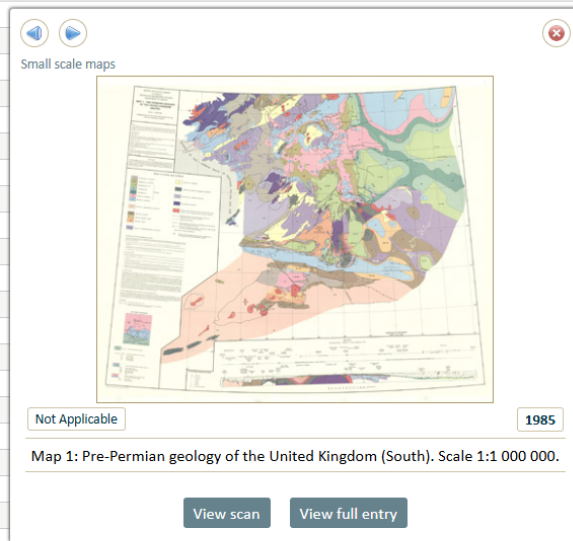


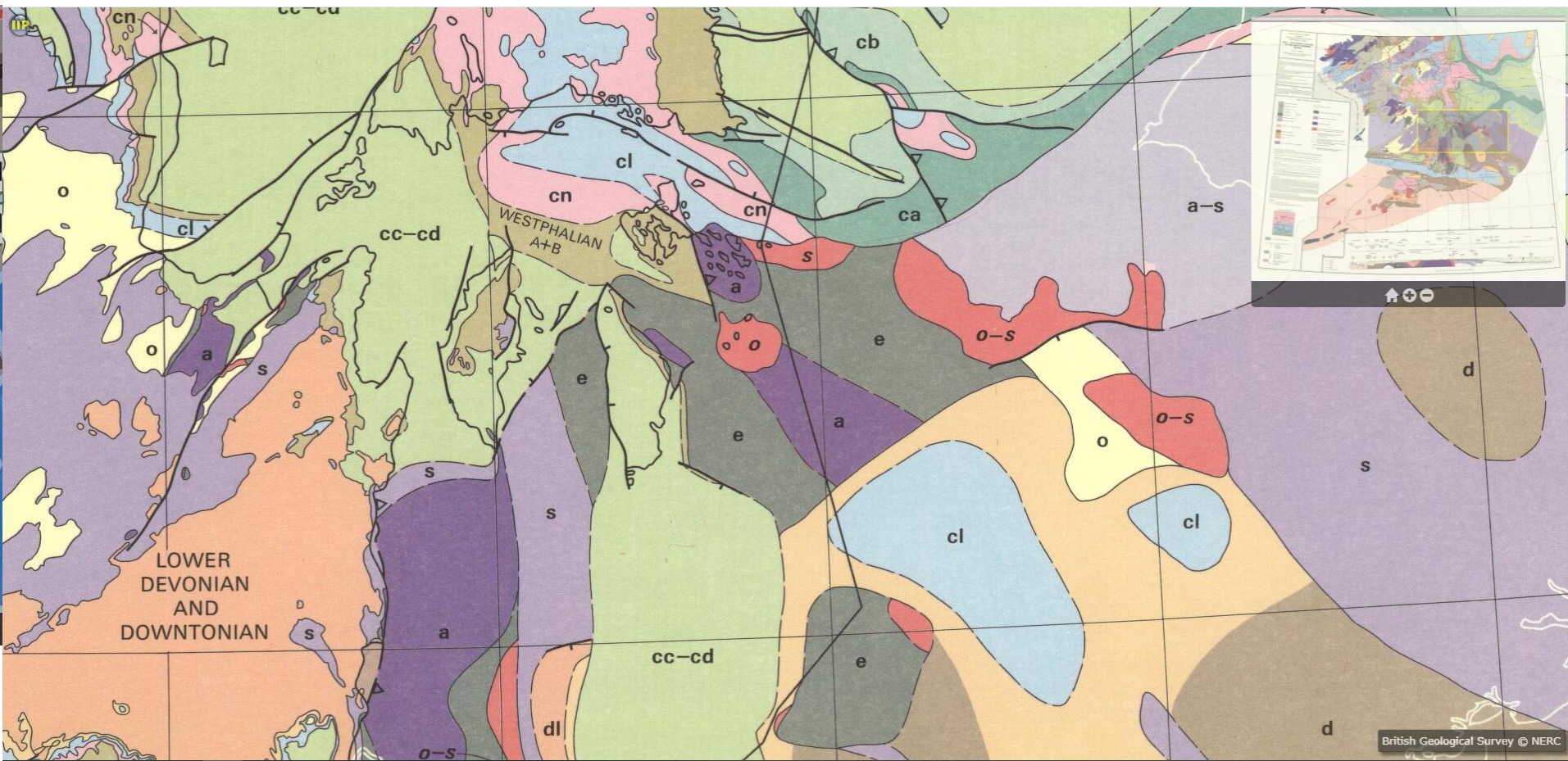


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Geological map of Great Britain. Sheet 1 North.	Not Applicable	1:625 000	1964
Geological map of Great Britain. Sheet 1 North.	Not Applicable	1:625 000	1966
Geological map of Great Britain. Sheet 1 North.	Not Applicable	1:625 000	1966
Geological map of Great Britain. Sheet 1 North.	Not Applicable	1:625 000	1974
Geological map of Great Britain. Sheet 2 South.	Not Applicable	1:625 000	1957
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Geological map of the United Kingdom, North sheet.	Not Applicable	1:625 000	1979
Geological map of the United Kingdom, South sheet.	Not Applicable	1:625 000	1979
Solid geology map UK South sheet.	Solid	1:625 000	2001
Solid geology map UK North sheet.	Solid	1:625 000	2001
Bedrock geology UK South.	Bedrock	1:625 000	2007
Bedrock geology UK North.	Bedrock	1:625 000	2007
Quaternary map of the United Kingdom, North.	Quaternary	1:625 000	1977
Quaternary map of the United Kingdom, South.	Quaternary	1:625 000	1977
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Geology of the United Kingdom, Ireland and the adjacent Continental Shelf (North Sheet).	Bedrock	1:1 000 000	1991
Geological map of Wales: Map Daearegol o Gymru. 1:250,000 scale.	Solid	1:250 000	1994
Bedrock geological map of Ireland. 1:500,000 scale.	Bedrock	1:500 000	2006
Stratigraphic chart of the United Kingdom: Southern Britain.	Not Applicable	Not Applicable	2008
Stratigraphic chart of the United Kingdom: Northern Britain.	Not Applicable	Not Applicable	2008
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Earthquakes 1980-1994: British Islands and adjacent areas.	Not Applicable	1:1 500 000	1994
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Earthquakes 1980-2004: British Islands and adjacent areas.	Not Applicable	1:1 500 000	2004
Earthquakes 1980-2008: British Islands and adjacent areas.	Not Applicable	1:1 500 000	2008
Map 1: Pre-Permian geology of the United Kingdom (South). Scale 1:1 000 000.	Not Applicable	1:1 000 000	1985
Map 2: Contours on the top of the pre-Permian surface of the United Kingdom (South). Scale 1:1 000 000.	Not Applicable	1:1 000 000	1985
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Data

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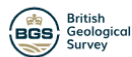


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Eastwood, T.; Gibson, W.; Cantrill, T.C.; Whitehead, T.H.; Cunningham, C.H.; Thomas, H.H.

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MEMOIRS OF THE GEOLOGICAL SURVEY.
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THE GEOLOGY
OF THE COUNTRY AROUND
COVENTRY,

INCLUDING AN ACCOUNT OF THE
CARBONIFEROUS ROCKS OF THE
WARWICKSHIRE COALFIELD.

BY

T. EASTWOOD, A.R.C.Sc., W. GIBSON, D.Sc.,
T. C. GANTHILL, B.Sc., AND
T. H. WHITEHEAD, M.Sc., A.R.C.Sc.

WITH CONTRIBUTIONS BY

H. H. THOMAS, M.A., Sc.D., AND THE LATE C. H. CUNNINGTON, B.Sc.

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Dr. H. H. Thomas furnishes the following observations on the post-Cambrian intrusions of the Nuneaton district:—

PETROLOGICAL DETAILS.

The post-Cambrian intrusions more particularly associated with the Stockingford Shales have been described¹ by Allport, Teall and Watts. They are dark grey-green hornblendic rocks for the most part, but of variable coarseness. In certain instances, especially in the larger masses of Marston Jabbett and Chilvers Coton, they may be seen to pass into pinkish felspathic rocks in which ferro-magnesian minerals play a subordinate part.

At the present time one of the best exposures of these 'diorite' intrusions is in a quarry situated at Griff Hollow, where a variety of types may be studied. Here the lower portion of the sill is a coarsely crystalline hornblendic rock, which is chilled against the Cambrian shales, becoming fine grained and somewhat aphanitic at its margin and producing indefinite 'spotting' in the adjacent shale. Away from the margin towards the

¹ In Howell's 'Memoir,' p. 39.

² Allport, *Quart. Journ. Geol. Soc.*, vol. xxxv, 1879, p. 637; Teall, 'British Petrography,' 1888, pp. 250, 251; Watts, *Proc. Geol. Assoc.*, vol. xv (1897-8), pp. 394-6 (1898).

interior of the sill the coarsely crystalline hornblendic rock becomes somewhat finer in texture, and the amount of pink felspathic matter increases in the form of little patches and strings. The sill towards its interior assumes a curiously mixed aspect, and there is little doubt that we are here dealing either with a composite intrusion or with a rock-mass that has undergone considerable differentiation in place, with a consequent segregation of the more alkaline constituents. The fine-grained lower margin is a compact grey rock that consists mainly of albite-oligoclase felspar in elongated ill-bounded crystals (E. 9707), and pseudomorphs after somewhat slender prisms of hornblende. The felspar base contains abundant apatite, and there is a small amount of secondary quartz and calcite. Immediately above this fine-grained rock, and separated somewhat sharply from it, the most coarsely crystalline portion of the sill is met with. The rock (E. 9708) is dark green in colour, of camptonitic aspect, and appears in the hand-specimen to be made up almost entirely of lustrous hornblende crystals, measuring over a quarter of an inch in length and arranged at all angles to each other. The interstices are filled with pink felspathic matter. Under the microscope the hornblende appears as deep-brown strongly pleochroic idiomorphic crystals, often enclosing pseudomorphs in serpentine, calcite, or chlorite after olivine. Locally they have decomposed and given rise to a bright-green or colourless hornblende or chlorite, and often a green variety of hornblende occurs as an edging to the clove-brown crystals. Of other ferro-magnesian minerals a slightly coloured titaniferous augite builds separate individuals or occurs in intimate association with the hornblende. It is always much decomposed, the manner of its alteration being similar to that of olivine. These porphyritic constituents are set in a base of turbid felspar, which consists almost entirely of albite-oligoclase, perthite, and some orthoclase. Occasionally more basic central portions may be observed in some of the albite crystals. In other parts of the coarsely crystalline mass the rock has an ophimottled appearance that recalls the character of the picrites (E. 9706), and the hornblende in this case is more allotriomorphic. The felspar which is often orbicularly enclosed by the hornblende is mainly

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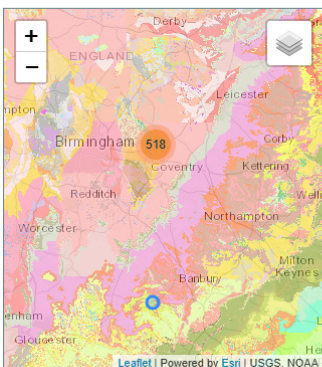


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Caldecote Volcanic Formation
Subdivision and lithology
Tuffaceous siltstone facies grouping
Precambrian intrusive rocks

Geology of the country around Coventry and Nuneaton. Memoir for 1:50 000 geological sheet 169 (England and Wales)

By D McC Bridge J N Carney R S Lawley and A W A Rushton

Bibliographical reference: Bridge, D McC, Carney, J N, Lawley, R S, and Rushton, A W A. 1998. Geology of the country around Coventry and Nuneaton. Memoir of the British Geological Survey, sheet 169 (England and Wales).

Authors

D McC Bridge, J N Carney, R S Lawley and A W A Rushton

Contributors

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- Precambrian geochemistry T C Pharaoh and T S Brewer
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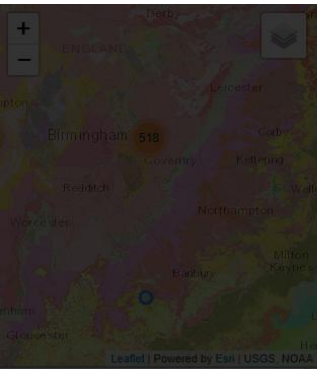


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- Triffurcous siltstone facies grouping

Monks Park Shale coincide with the Merevale Shale. There are few red exposed beneath bedrock.

The regional correlation is secure in the St. D. local correlation has value in the correlation.

In the following districts:

Purley Shale

This formation, near Nuneaton. Reddish. The Purley Shale Woodlands Quarry Formation (Illing, 1916, p. 393).

The mudstones are and fine-grained; blocky to shaly red. The red colour of Illing (1916, pl. 38).

Biostratigraphy

Fossils are generally:

1. Calcareous
2. About 70 Protolonic allowing correlation
3. About 140 correlation late Lower
4. The high Paradoxid

Abbey Shale

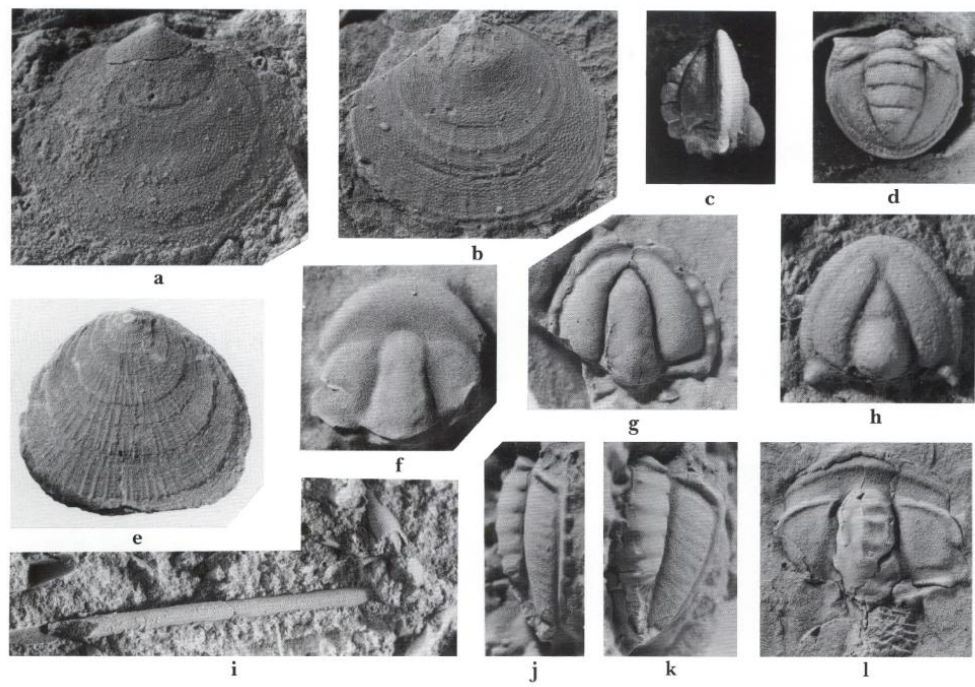


Plate 7. Examples of fossils from the Comley Series. All examples are from the Purley Shale Formation except for i. The originals of a, c, d and h are in the Sedgwick Museum Cambridge (SM); the remainder are in the collection of the British Geological Survey, those prefixed Zv were presented by Mr R J Kennedy. A. Botsfordia pulchra (Matthew). Pedicle valve, showing divaricate granular ornament, SM A57104, and cephalon SM A57105.

Warwick districts (Old et al., 1967). The anticlinal structure does not and a complementary syncline farther west accounts for the

30) circumstantial record that Stockingford Shales were formerly (University of Leicester) in 1974, though 4 m deep, did not reach

correlation in the Comley Series is rather tentative, but is more certain, where fossils are rare and trilobites almost absent, a tenuous correlation of these fossils, together with assemblages of acritarchs, have been of

of fossils.

es about 180 to 210 m thick which outcrop between Atherstone and Nuneaton, and extend farther south.

the south-west faces of the Hartshill and Midland quarries and in the Purley Shale. The top of the formation grades up into the Abbey Shale

have not been observed. There are sporadic thin beds of siltstone of unequal thickness, were described by Baldock (1991a), and comprise red and green shaly mudstones.

may be the result of staining by Triassic rocks; such staining caused

horizons, as listed in detail by Rushton (1966, pp. 2–6).

P 3389 9299] and these indicate a level near the base of the formation which includes *Strenella sabulosa* and *Serrodiscus bellimarginatus*, and *discus acifer*, (Plate 7)c, d and h, see p.153), which suggest a correlation with the *Strenella* and *Strenella* zones, suggesting correlation with the

David's age and indicates correlation with a high level in the formation (Rushton, 1966).

view Plate 7 Examples of fossils from the Comley Series. All examples are from the Purley Shale Formation except for i. The originals of a, c, d and h are in the Sedgwick Museum Cambridge (SM); the remainder are in the collection of the British Geological Survey, those prefixed Zv were presented by Mr R J Kennedy. A. Botsfordia pulchra (Matthew). Pedicle valve, showing divaricate granular ornament, SM A57215a, X 8. Camp Hill Industrial Estate [SP 3468 9234]. B.

Geochemistry

Caldecote Volcanic Formation

Precambrian intrusive rocks

Geological correlation with Charnwood Forest

Tectonic setting

(1916) at Hartshill Hayes, traces of which can still be seen [about [SP 3240 9423], and which is taken as the stratotype. The section in Purley Park where Illing (1916, p.393) described the base of the formation [SP 3101 9610] is now much overgrown.

The thickness varies markedly; it is less than 20 m thick in the Camp Hill area [SP 346 923], was measured at about 30 m at Illing's trenches, thins northwards to about 10 m west of White Hall Farm [SP 3191 9502] (Baldock, 1991b), and thickens again to about 40 m near Atherstone.

Lithologies were described in detail by Illing (1916), and Taylor and Rushton (1971). They include dark grey pyritous mudstone interbedded with greenish or bluish grey mudstones. There are thin calcareous and glauconitic sandstone beds

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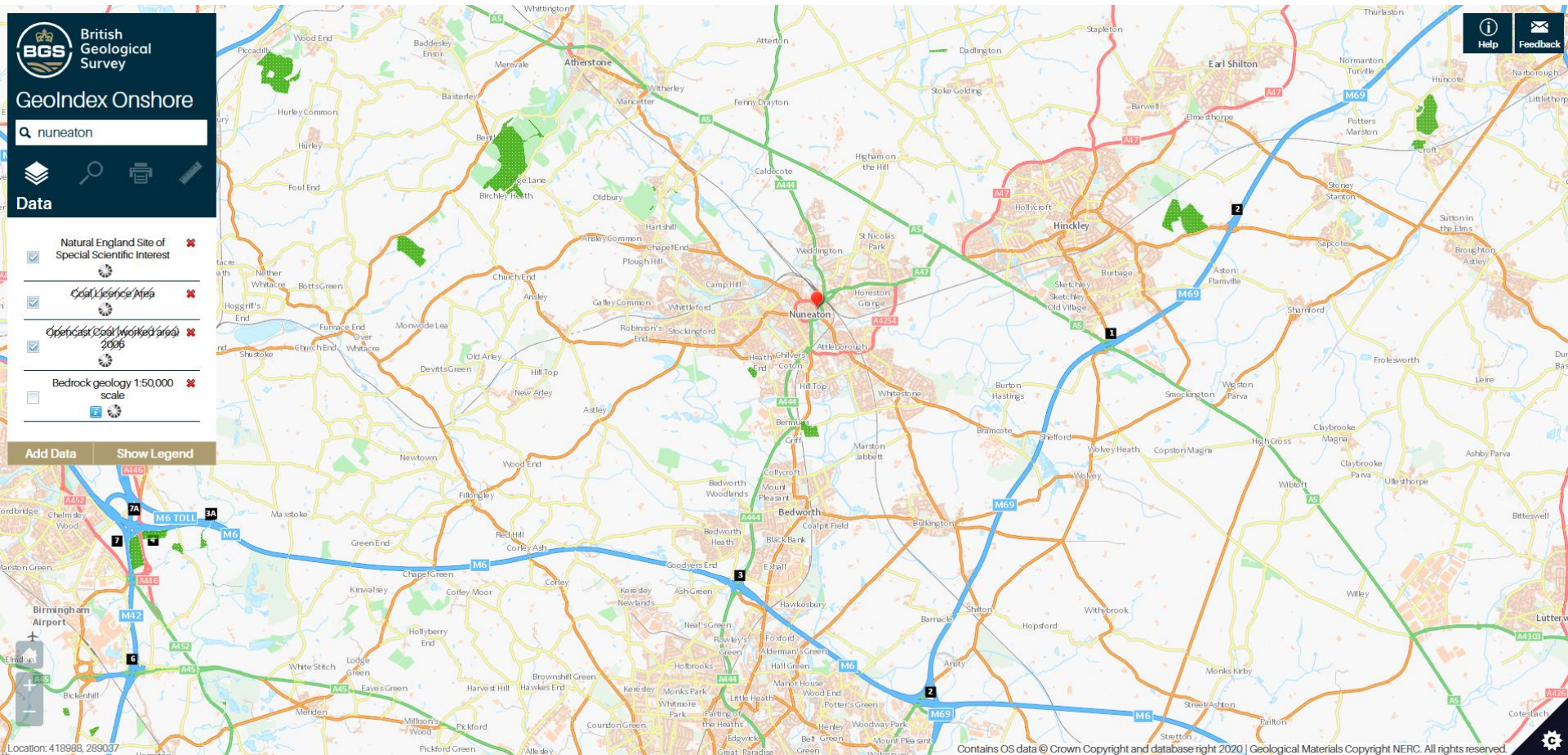
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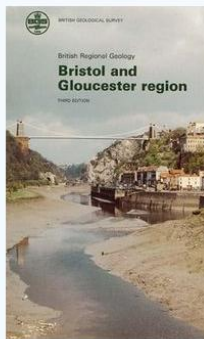
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