



**British
Geological Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

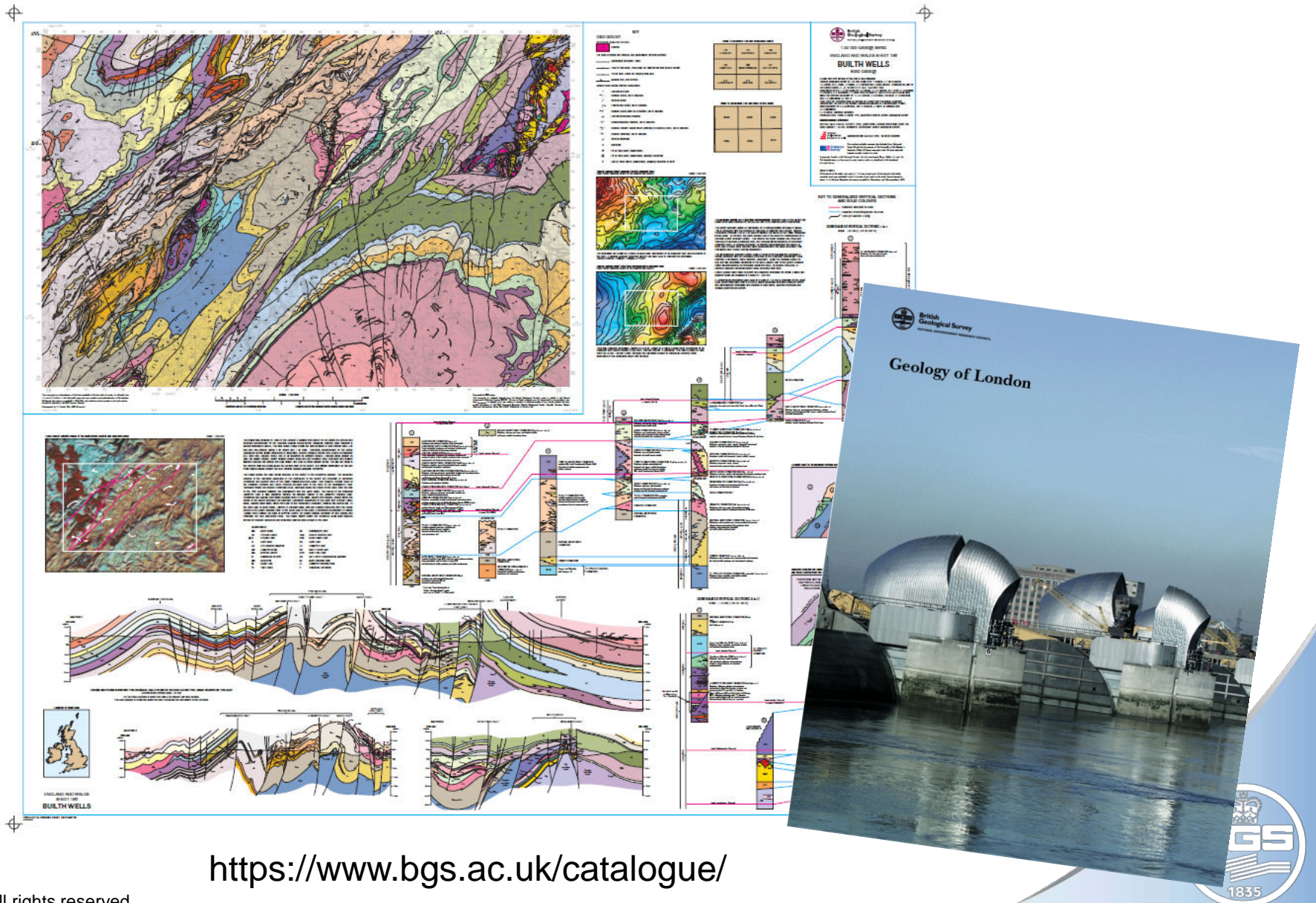
Geoscience for our changing Earth

“Shipping”

Gerry Wildman

Data Delivery & Strategy Manager

Traditional paper maps and books



Free data



British
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NATURAL ENVIRONMENT RESEARCH COUNCIL

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Our data



OpenGeoscience

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OpenGeoscience — Free data!

What is OpenGeoscience?

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, download data, scans, photos and other information. The services available under OpenGeoscience are listed below, and include:

- view geology data through the [Geology of Britain](#) map window and as [WMS](#)
- access to over a million [borehole scans](#)
- search and download photos from the [GeoScenic](#) geological photo archive

Terms of use

To encourage the use and re-use of this data we have wherever possible made the data within OpenGeoscience available under the [Open Government Licence](#), subject to the following acknowledgement accompanying the reproduced BGS materials: "Contains British Geological Survey materials ©NERC [year]". The terms of use for every product under OpenGeoscience are displayed clearly at the top of every page.

OGL



Map viewers

BGS has started to publish its data through map viewers allowing you to pan and zoom to where you live, click on an area of interest and reveal more about the ground beneath your feet.

GeoScenic photo archive



Quick links



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News and apps



<https://www.bgs.ac.uk/opengeoscience/>



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Surface Geology

☐ Superficial only
☐ Bedrock only
☒ Bedrock and Superficial

Visible geology:
1:50 000 scale

Geology Key

[More on digital geology](#)

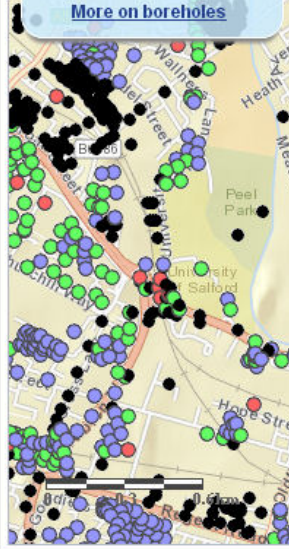
Borehole Scans

Click on a borehole to view scan.

Borehole depth

- 0 - 10m
- 10 - 30m
- 30m+
- Confidential or Restricted

[More on boreholes](#)



British Geological Survey
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BGS ID 1043660 - BGS Reference: S389NW144
British National Grid (27700) : 363830 390700 [Report an error with this borehole](#)

Page 1 of 2

GEO-RESEARCH LTD.
BRIGHTON ROAD,
HEATON NORRIS,
STOCKPORT, CHESHIRE.

CONTRACT: 'G' SEWER

LOCATION: MANCHESTER

Borehole No. 1 S389NW

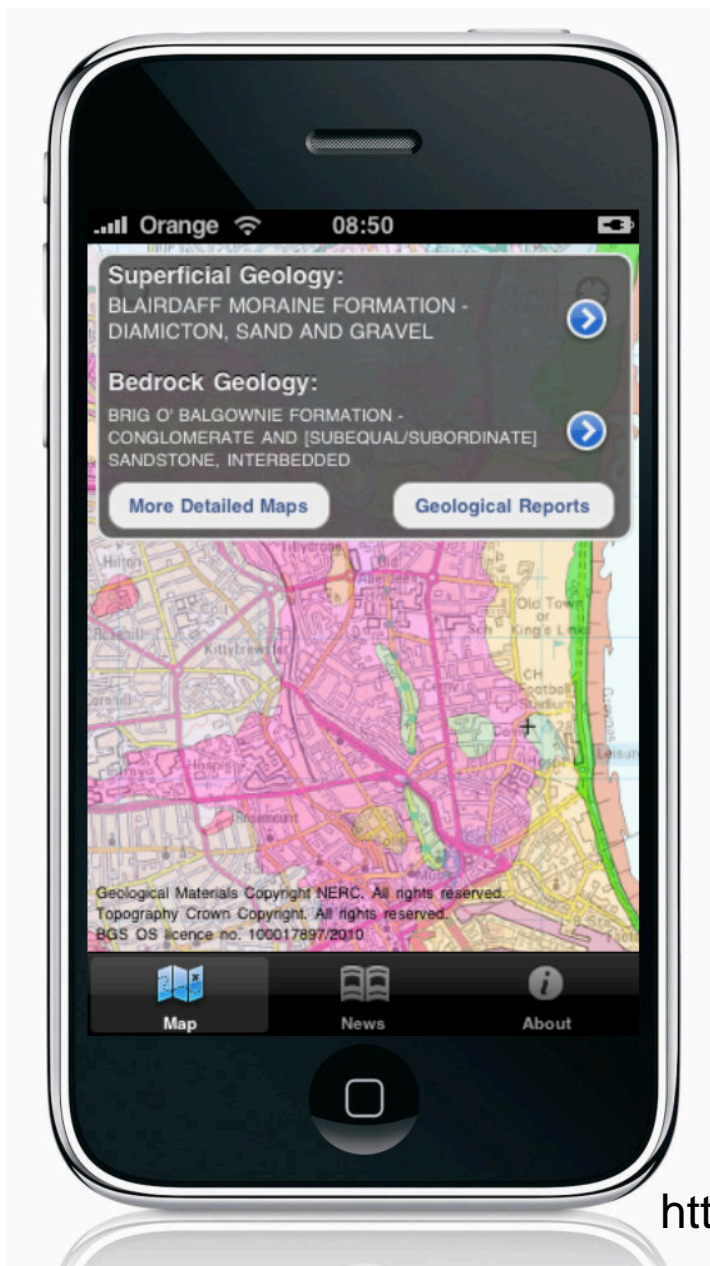
Sheet No. 1 1466

Date Commenced 2/7/73

Date Completed 3/7/73

Scale 1:50 8383 9870

Stratum	Legend	Thick-ness	Depth	Sample No.	N Value	Level	Remarks
			GL				
Tarmac and sand cinder FILL		0.592 x 0.899	0.600				
Brick, stone and clay FILL			0.910	D1			
		1.220	1.820				
GRAVEL			2.430	D2			
		0.920	2.740				
Firm brown silty sandy CLAY with pebbles			3.040	D3			



iGeology



Free iOS and Android App.

Allows access to the equivalent of 500 geology maps.

iGeology for iOS developed and maintained in-house.

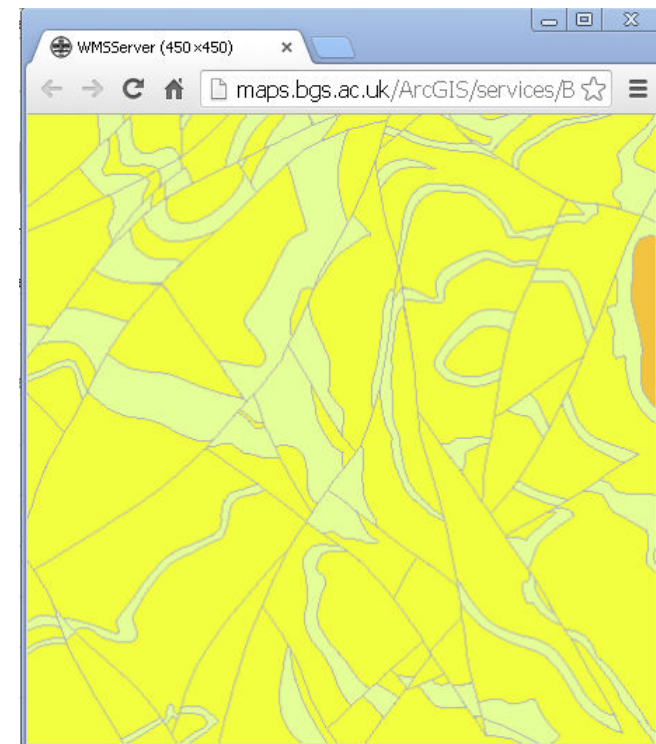
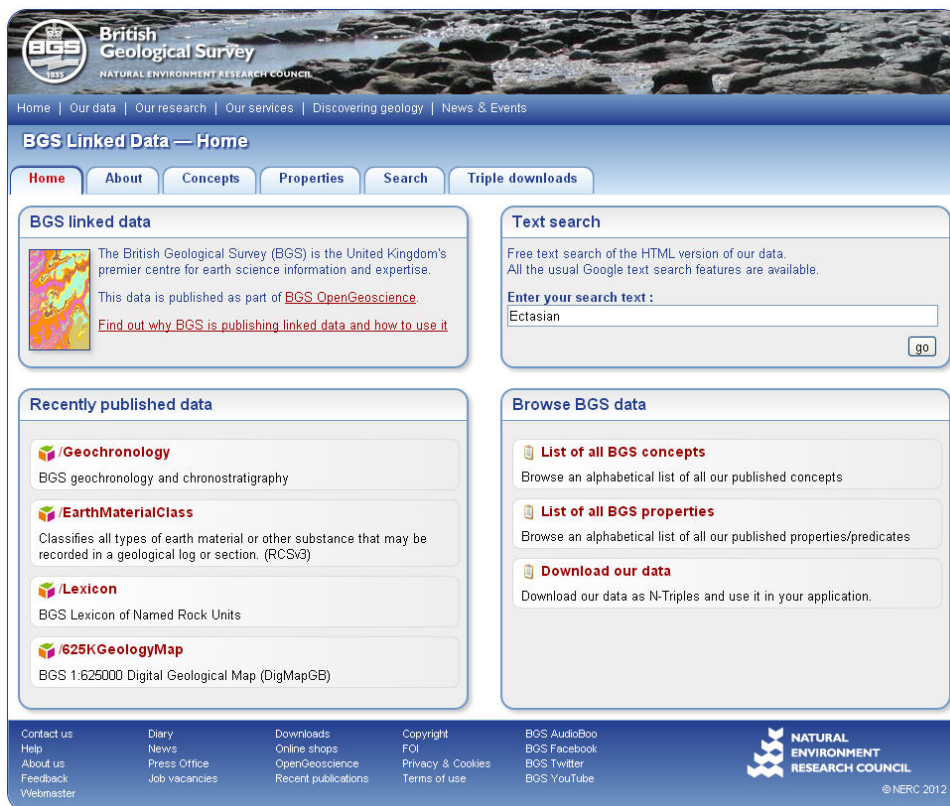
Android version outsourced, but now maintained in-house

Driven by interoperable web services to provide a self service, web-based delivery mechanism

<https://www.bgs.ac.uk/igeology/>

<http://www.bgs.ac.uk/data/services/wms.html>





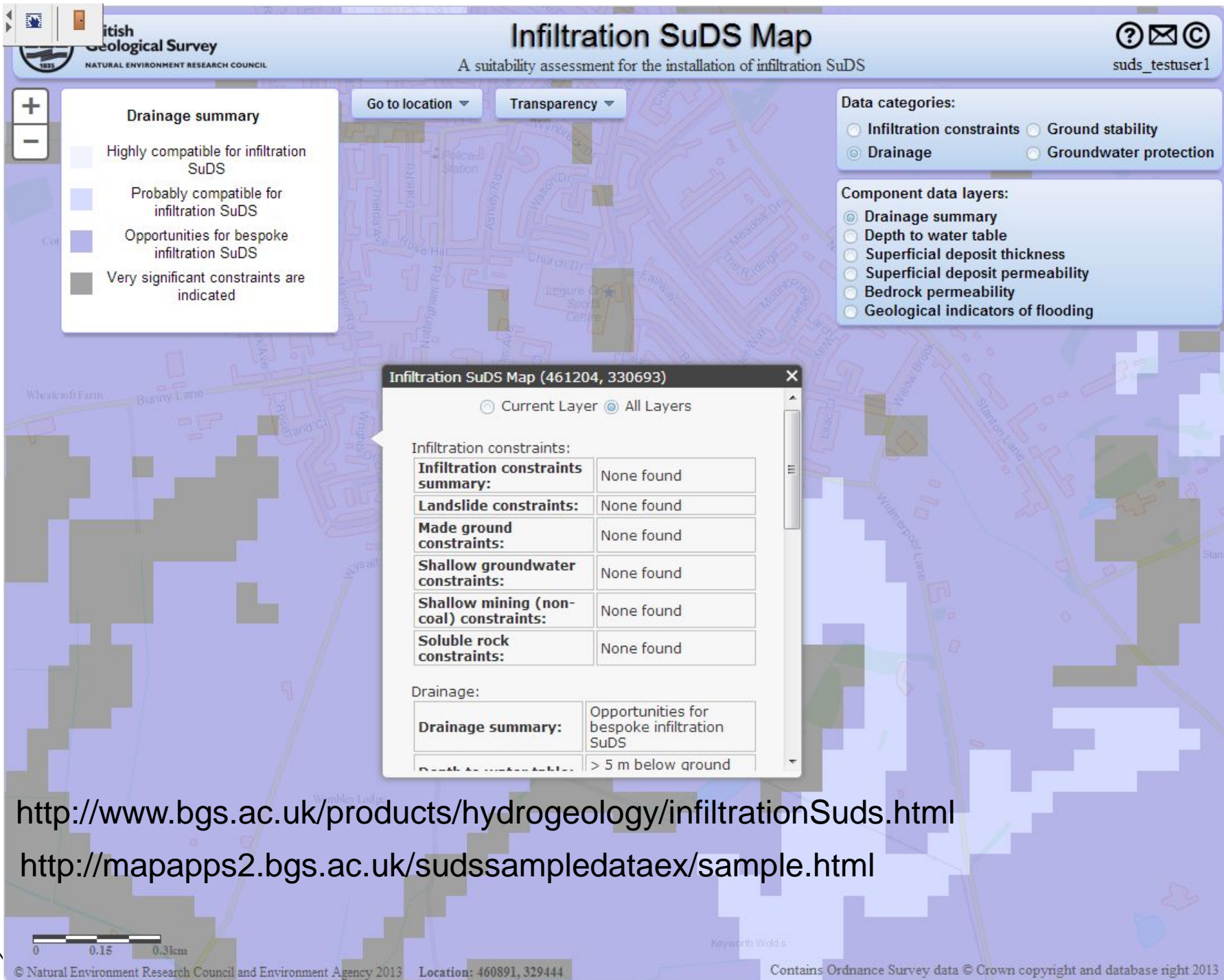
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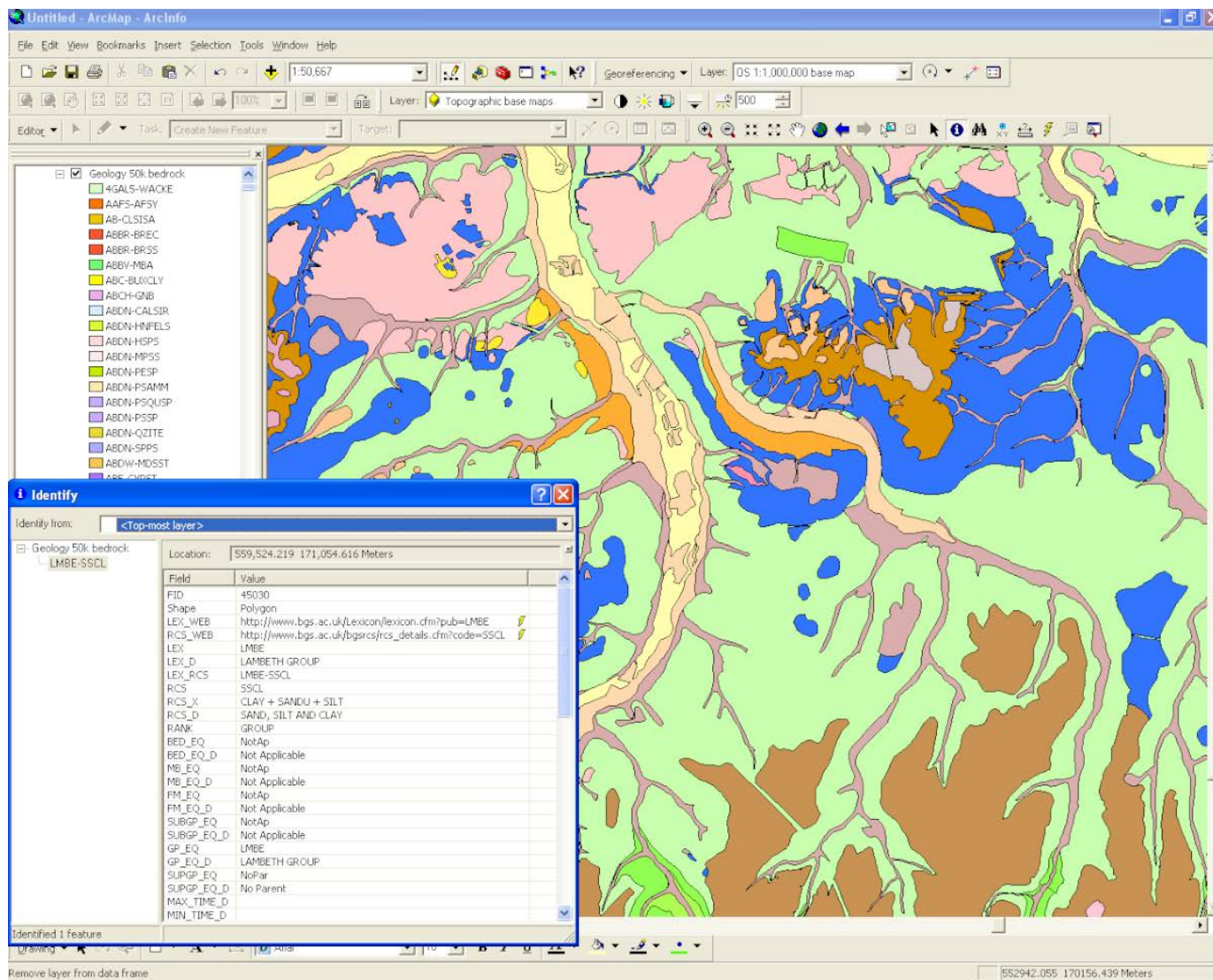
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<http://data.bgs.ac.uk/>



<http://www.bgs.ac.uk/products/hydrogeology/infiltrationSuds.html>

<http://mapapps2.bgs.ac.uk/sudssampledatabex/sample.html>



<http://www.bgs.ac.uk/products/home.html>

**Example Report,
BGS Keyworth**

Geological Map Extracts:

This report is designed for users carrying out preliminary site assessments who require geological maps for the area around their site, as well as for those who have a general interest in their local geology.

The report contains geological map extracts taken from the BGS Digital Geological Map of Great Britain at the 1:50,000 scale (DIGMapGB-50). The various geological layers – artificial (made), landslide, superficial and solid (bedrock) geology – are displayed separately as extracts.

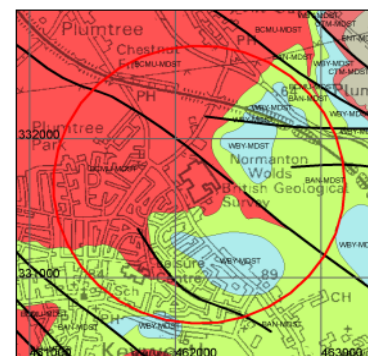
Report Id: GR_999999/1

Client reference:

<http://shop.bgs.ac.uk/GeoReports/>

Bedrock

Bedrock forms the ground underlying the whole of an area, commonly overlain by superficial deposits, landslide deposits or artificial deposits, in any combination. The bedrock formations were formerly known as the 'Solid Geology'.



Search area indicated in red

— Fault
— Coal, ironstone or mineral vein

Note: Faults are shown for illustration and to aid interpretation of the map. Because these maps are generalised from more detailed versions not all such features are shown and their absence on the map face does not necessarily mean that none are present. Coals, ironstone beds and mineral veins occur only in certain rock types and regions of the UK; if present here, they will be described under 'bedrock' below.

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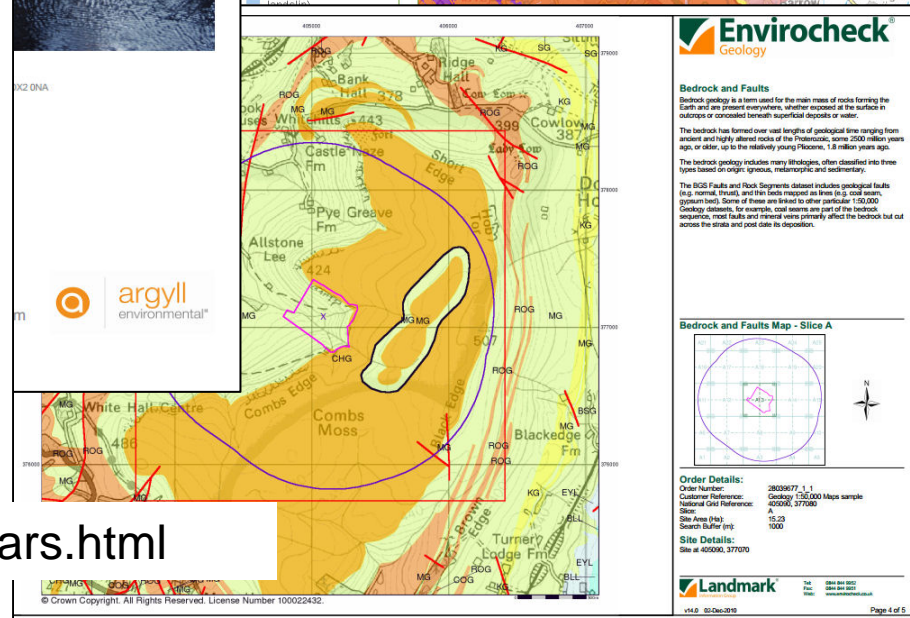
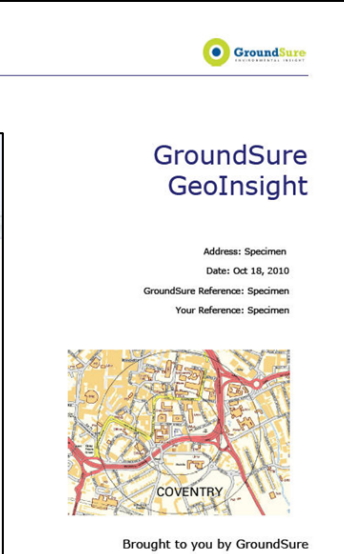
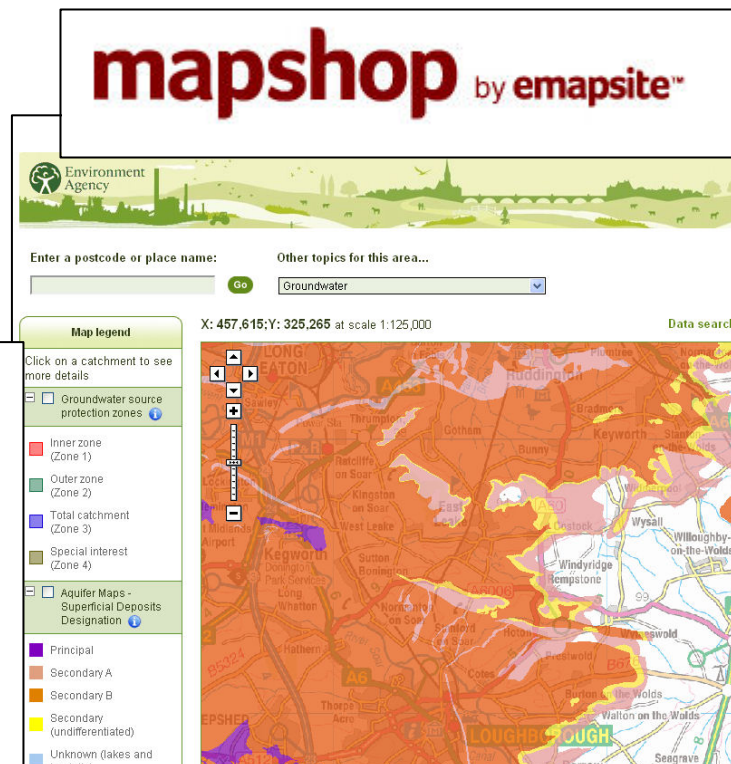
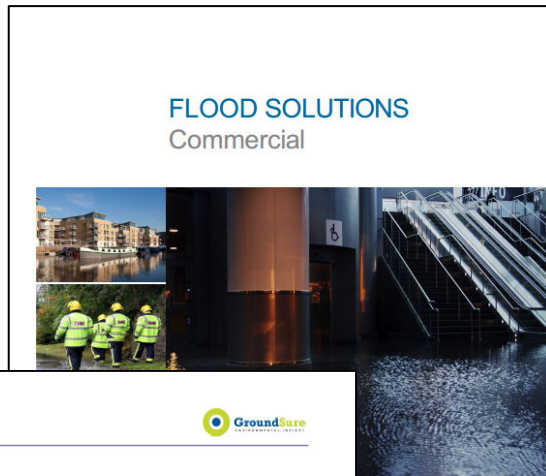
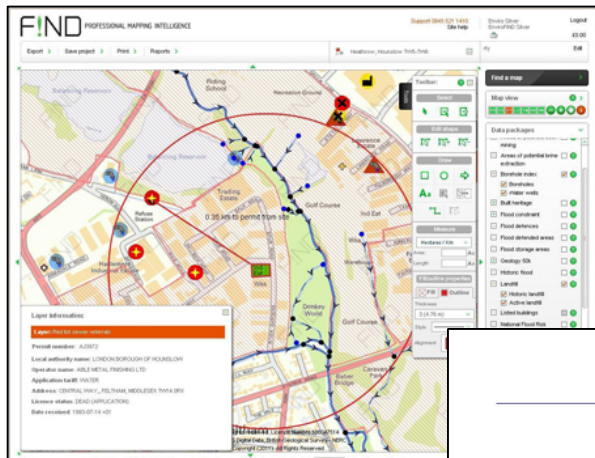
Scale: 1:25 000 (1cm = 250 m)

Key to Bedrock geology:

Map colour	Computer Code	Name of geological unit	Rock type
	BNT-MDLM	BARNSTONE MEMBER	MUDSTONE AND LIMESTONE, INTERBEDDED
	CTM-MDST	COTHAM MEMBER	MUDSTONE
	WBY-MDST	WESTBURY FORMATION	MUDSTONE
	BAN-MDST	BLUE ANCHOR FORMATION	MUDSTONE
	BCM-MDST	BRANSCOMBE MUDSTONE FORMATION	MUDSTONE

External data partners

- Using 3rd parties to deliver BGS data.



http://www.bgs.ac.uk/about/copyright/bgs_vars.html

What else?

- What works for you?
- How much can you afford?
- Are we missing something?



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digitaldata@bgs.ac.uk

