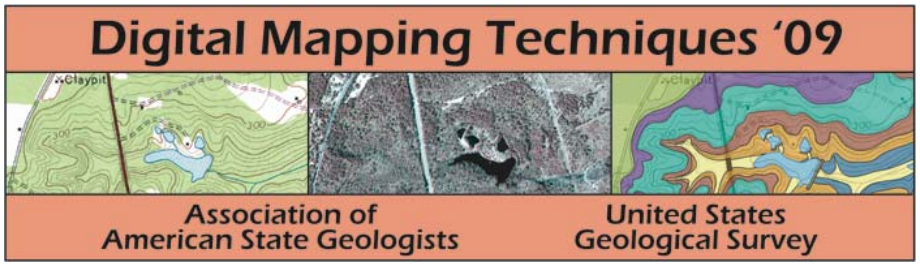


The following was presented at DMT'09 (May 10-13, 2009).

The contents are provisional and will be superseded by a paper in the DMT'09 Proceedings.

See also earlier Proceedings (1997-2008)
http://ngmdb.usgs.gov/info/dmt/

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

A Practitioners Guide to Managing Geoscience Information

Jeremy R A Giles

Monday 11th May 2009

DMT 09

Environmental Data

- The Natural Environment Research Council has three key resources:
  - its expert work force;
  - its facilities (ships, labs, buildings, etc): and
  - **its scientific information holdings**.

Purpose

- The purpose of Information Management in a Geological Survey is:
  - to maintain the national geoscience database; and
  - underpin efficient and effective delivery by providing geoscientists with ready access to data and information that are timely, fit for purpose, and in which the users have confidence.

Drivers

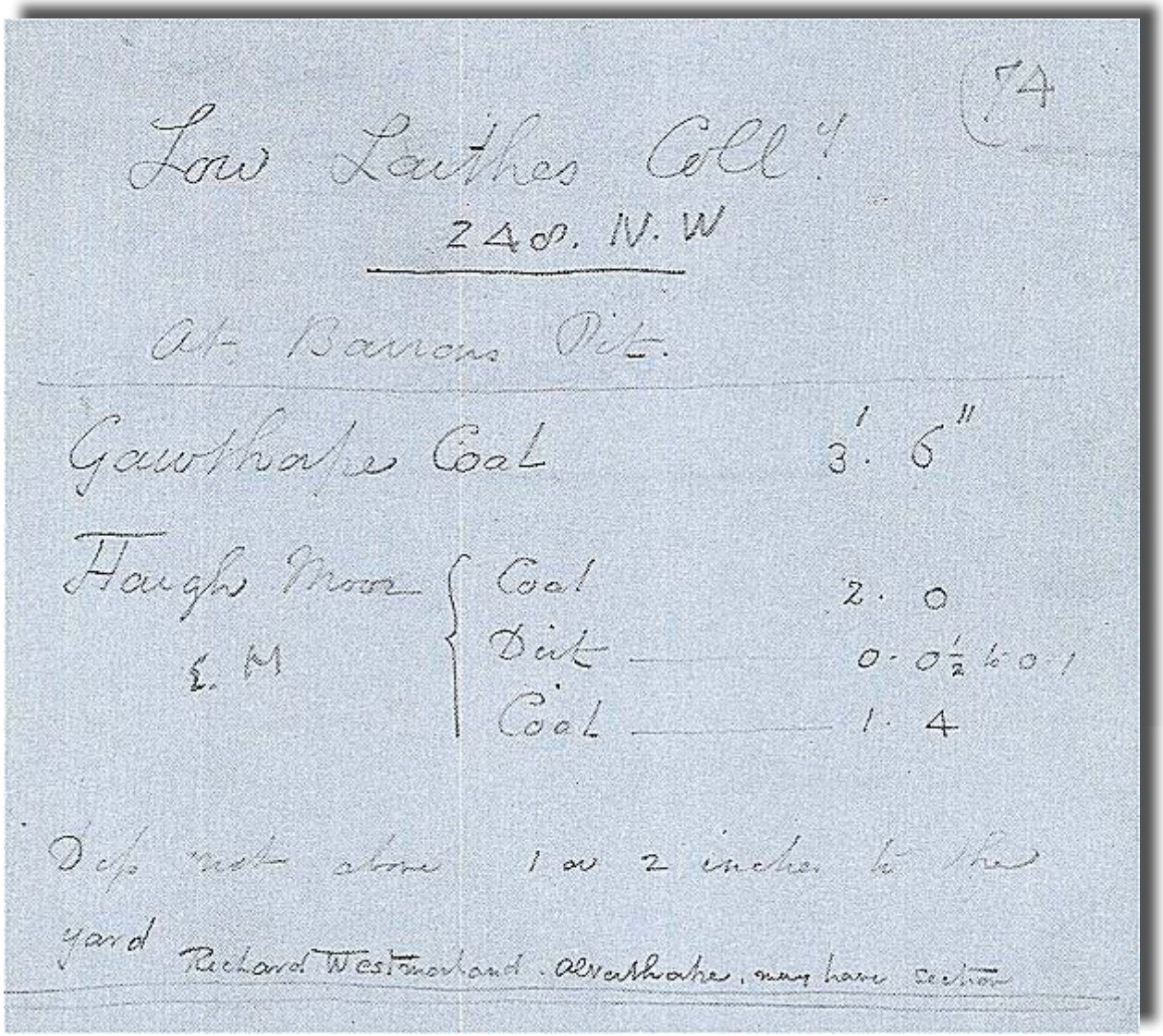
- to reduce staff effort in finding data;
- to make quality data available to staff and customers;
- to facilitate collaboration across BGS;
- to improve access to the unique BGS information;
- to keep BGS at the forefront of the development of digital geoscience systems;
- to inform management decisions; and
- to allow Corporate implementation of standards and establish best practice

Benefits

- Risk Reduction
  - Reduce legislative compliance risk
  - Reduce litigation risk
- Increase Productivity
- Better Science

Risk Reduction

- Know the data holdings
- Managing the holdings as an asset
- Improve quality
- Preserve the evidence



Low Lathes Coll.

(74

240. N. W

At Barnes Pit.

Gawthorpe Coal 3. 6"

Haughs Moor
E. M

Coal	2. 0
Dirt	0. 0½ to 0. 1
Coal	1. 4

Def. rock above 1 or 2 inches to the yard

Richard Westmorland. Alverthorpe, many here section

Lofthouse Colliery Disaster

- FREDRICK ARMITAGE
  AGED 41 YEARS
- COLIN BARNABY
  AGED 36 YEARS
- FRANK BILLINGHAM
  AGED 48 YEARS
- SYDNEY BROWN
  AGED 36 YEARS
- CHARLES COTTON
  AGED 49 YEARS
- EDWARD FINNEGAN
  AGED 40 YEARS
- ALAN HAIG
  AGED 30 YEARS

Legal & Policy Obligations

- GSO are facing anincreasing information related legislative burden
- Whether national or EU legislation the risk of non-compliance is increasing

- The Mining Industry Act 1926
- The Public Records Act 1958
- Science and Technology Act 1965
- The Petroleum (Production Regulations) 1976
- Water Resources Act 1991
- The Freedom of Information Act 2000
- Environmental Information Regulations 2004
- INSPIRE Directive

Negligence …

USGS

Digital Mapping Techniques '03 — Workshop Proceedings
U.S. Geological Survey Open-File Report 03–471

Negligence and Professional Malpractice Related to GIS Datasets

By Ian J. Duncan

Texas Bureau of Economic Geology (formerly at Virginia Department of Mines Minerals and Energy), University Station X, Austin, TX 78713
Telephone (512) 471-1534; fax: (512) 471-0140; e-mail ian.duncan@beg.utexas.edu

INTRODUCTION

Chrisman (1991) has suggested that "error (in spatial data) is inescapable, it should be recognized as a fundamental dimension of data." Digital geologic data sets are not an exception to this truism. Typical errors include incorrect data, missing data, incorrect georeferencing, and incorrect documentation of the data. Although these types of errors can always occur, well-established methods are available to characterize them. Informing users of the data's reliability and the nature of errors in the dataset can contribute greatly to effective use of the data. Geologists and GIS professionals should develop and implement a comprehensive approach to addressing these issues.

Myth of Infallibility

- Peritz (1986) has suggested that "…the presumption of trustworthiness (of digital data) simply carries too much weight..."
  - *Peritz, R., 1986, Computer Data and Reliability: North west University Law Review, v 80, p. 960.*

Myth of Infallibility

- Tarter (1992) has noted that “(the) myth of machine infallibility seems to create a demand for higher standards of quality for machine readable data than for traditionally distributed information.”
  - *Tarter, B., 1992, Information Liability: New Interpretations for the Electronic Age: Computer/Law Journal, v. XI, p. 484.*

Increased Productivity

- Reduce costs of finding and manipulating information.
- Prevents re-collection of existing information
- Promotes reuse and repurposing
- Allows scientist to spend more time doing science

Cost Analogues

Peebler (1996) made the following observation:

> "Lack of basic data integration costs the average E&P professional a considerable amount of time. According to various estimates geoscientists and engineers spend form 20% to 30% of their total project time searching for, loading and formatting data. Obviously, significant productivity gains are still locked up in organizations that do not have level one integration."

Peebler, R. 1996. Extended Integration The Key To Future Productivity Leap. Oil and Gas Journal May 20, 1996; Vol. 94; No. 21

Cost Analogues

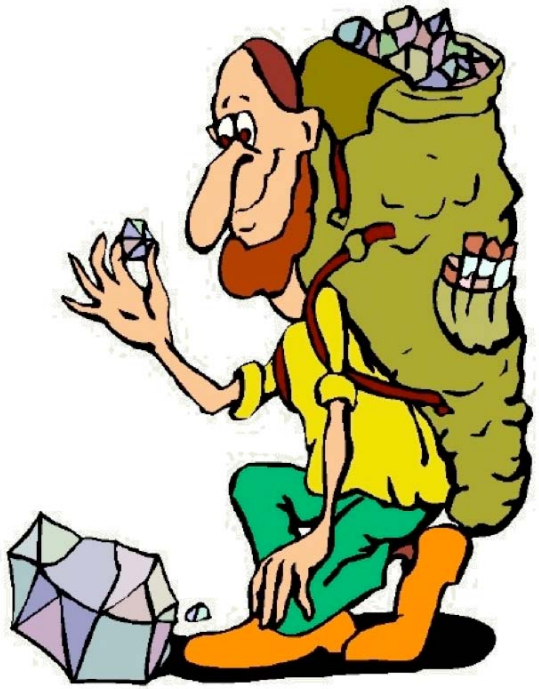
- Shell International, Holland
  - Adam Dobson visit to BGS on 17-12-2002

- An internal audit undertaken in 2002 showed that for New Frontiers Areas Shell Staff spent their time as follows:
  - Finding data - 53%
  - Archiving data - 9%
  - Documenting the data - 15%
  - Interpreting (adding value) - 23%

- Shell set goals to raise the time spent interpreting the data (adding value) to 46% by reducing the time to find data to 30%.

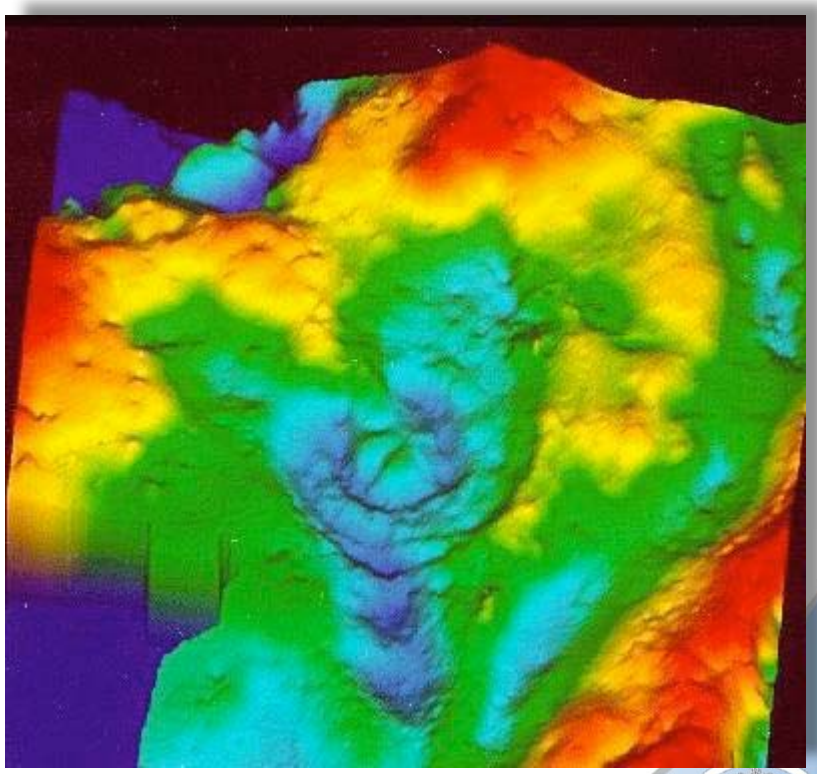
Better Science

- Evidence base preserved
- Re-use
- Repurposing



Why Manage Data? Evidence

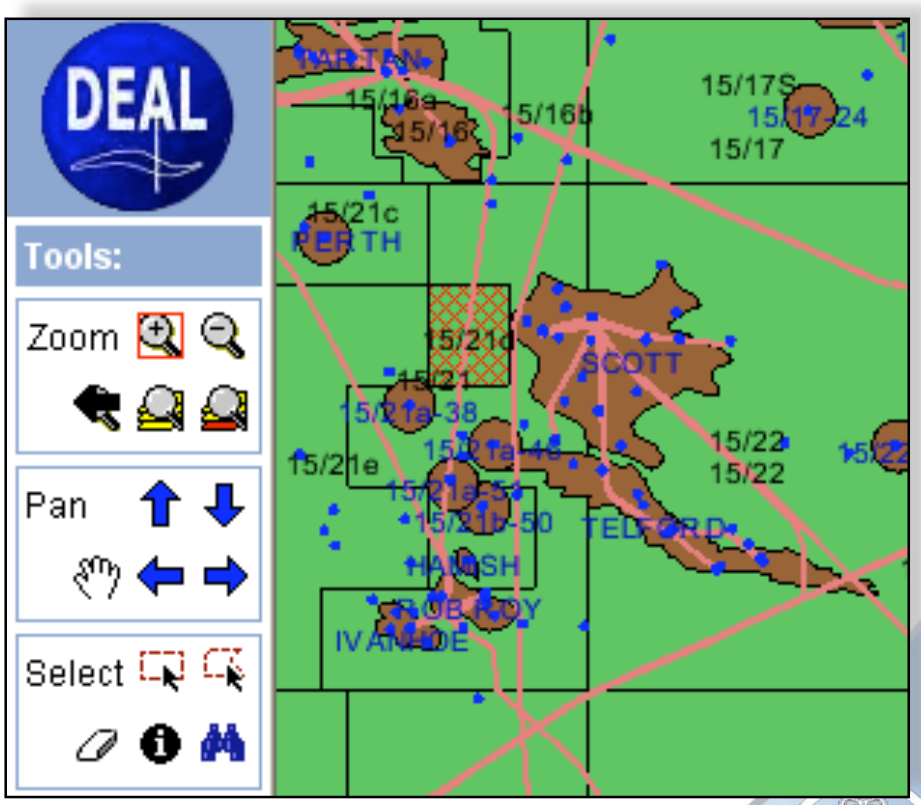
- Data/Records are anything providing permanent evidence of or information about past events.
- In the context of digital research data this is evidence that the data, and associated records, demonstrate that the disseminated conclusions were reasonable given the state of knowledge at the time of dissemination.



3D Bouguer anomaly map over the Chicxulub crater

Why Manage Data?
Reuse

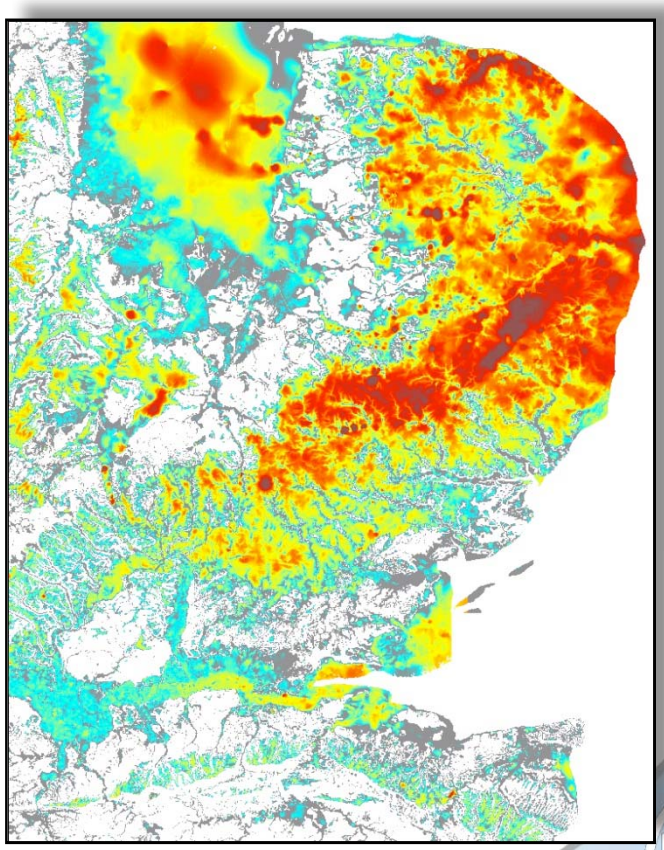
- Preserving existing data so that they can be reused for the same, or similar purpose for which they were acquired.
- New data can be added to existing data which have been reprocessed to provide a richer understanding.



www.ukdeal.co.uk re-use site for offshore oil exploration data

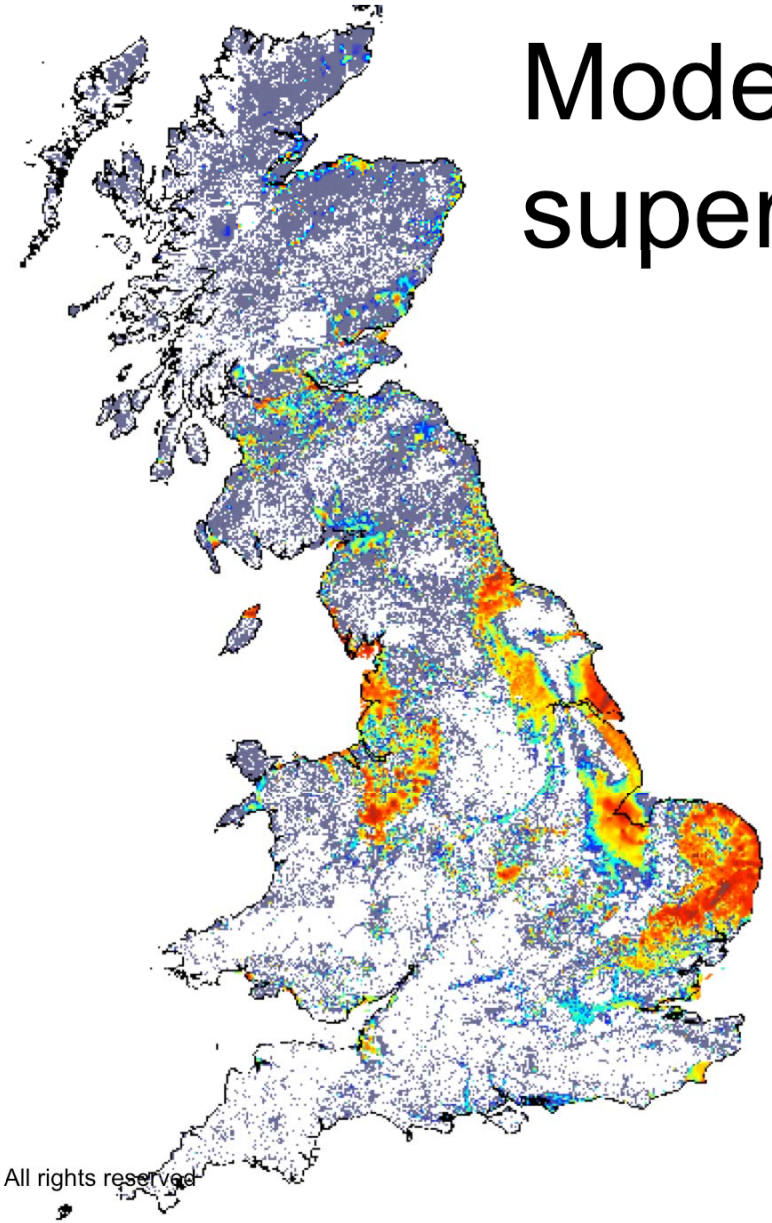
Why Manage Data? Re-purposing

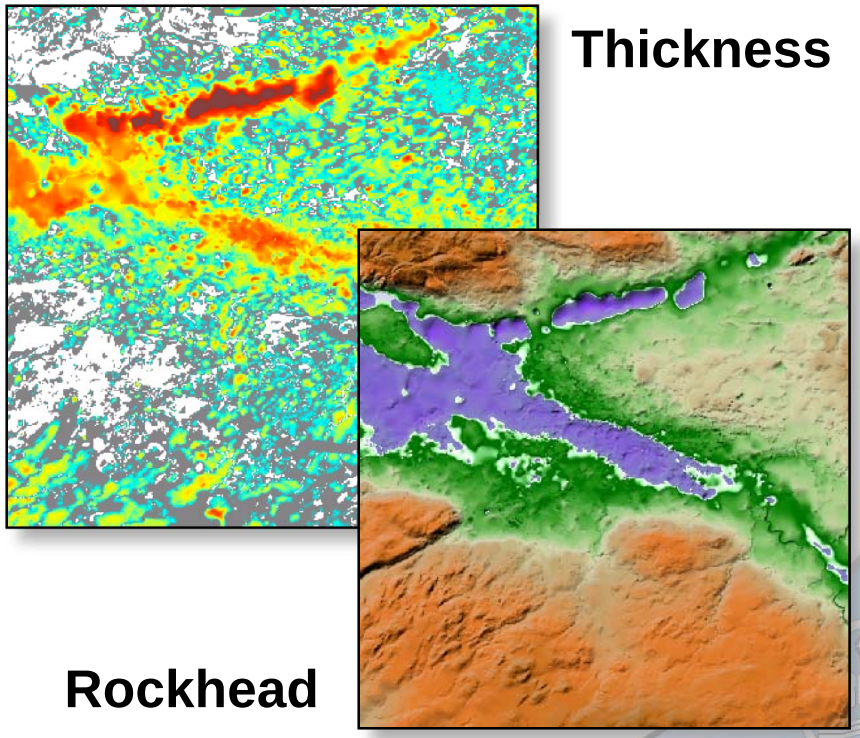
- Using existing data for a purpose for which they were not originally collected.
- Careful long-term preservation of data/records will allow for their reuse in a purpose for which they were not originally collected.



Superficial deposit thickness model
East Anglia, GB

Modelled thickness of superficial deposits



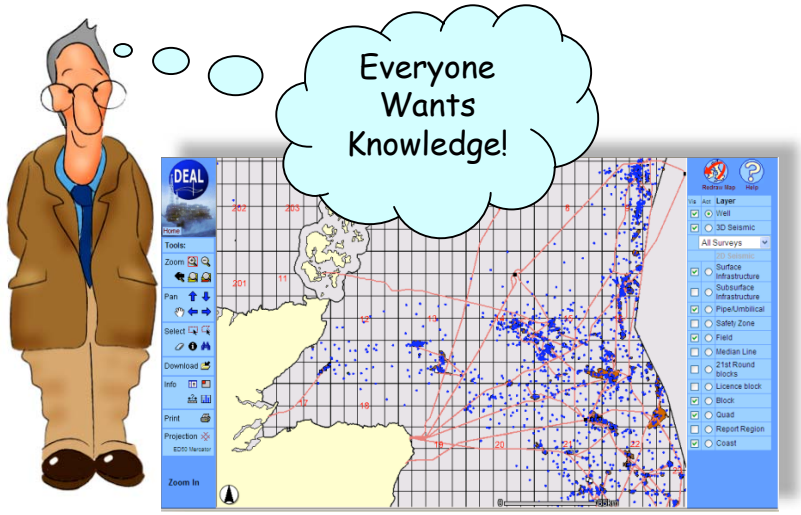


Thickness

Rockhead

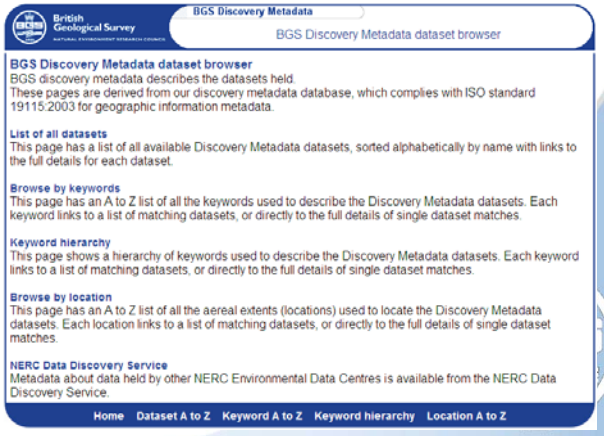
Benefit Realisation

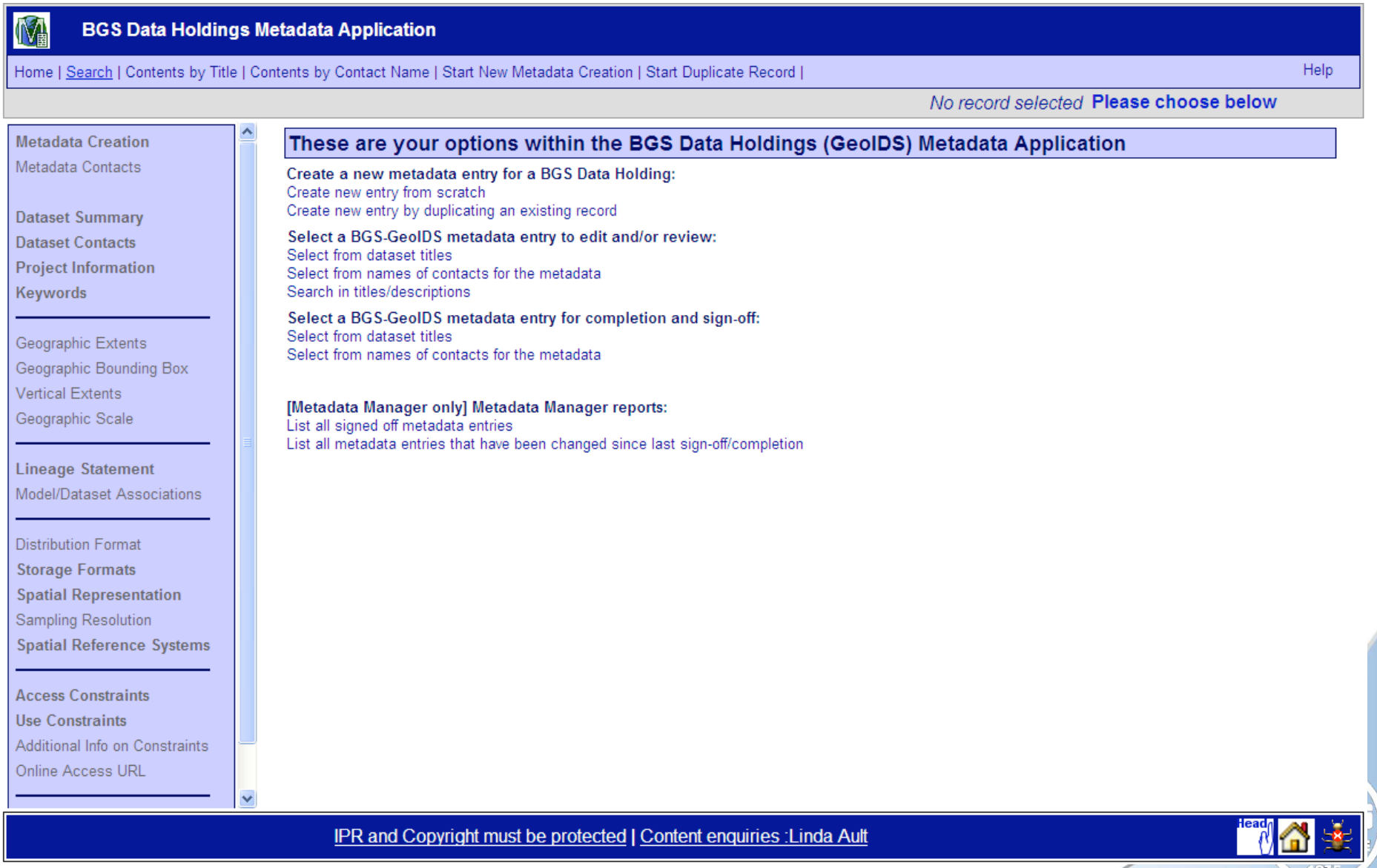
- Discovery
  - Metadata
  - Spatial indexes
- Quality
  - Asset-based management
  - Technical metadata

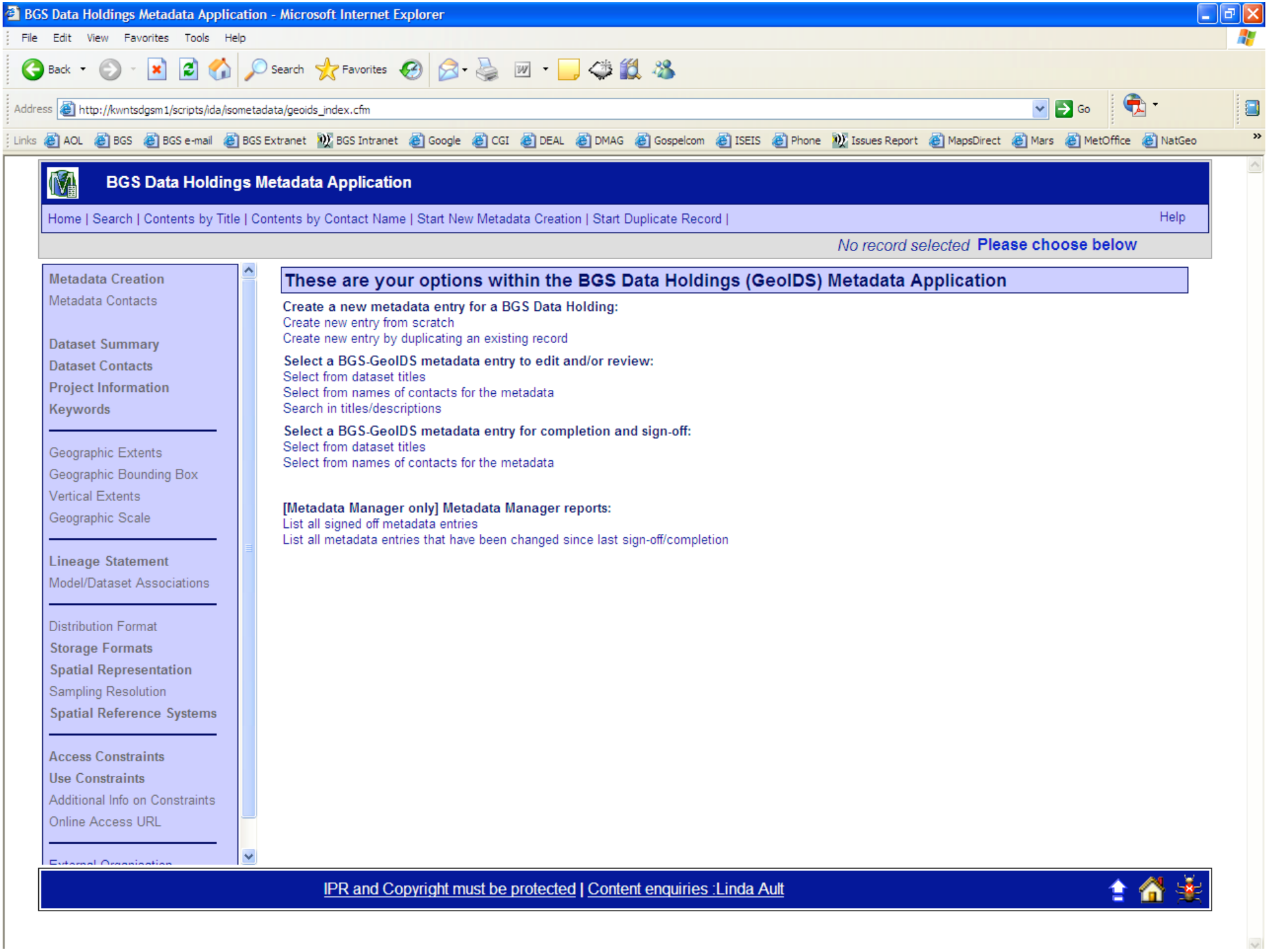


Discovery Metadata

- Reduces legislative compliance risk
- Informs potential users of what is available
- Provides other key details about availability and quality
- Key tool for asset-based information management
- Originally followed the UK National Geospatial Data Framework (NGDF) but have migrated to ISO 19115






BGS Data Holdings Metadata Application - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://kwntsdgsm1/scripts/ida/isometadata/geoids_index.cfm
Go
Links AOL BGS BGS e-mail BGS Extranet BGS Intranet Google CGI DEAL DMAG Gospelcom ISEIS Phone Issues Report MapsDirect Mars MetOffice NatGeo
BGS Data Holdings Metadata Application
Home | Search | Contents by Title | Contents by Contact Name | Start New Metadata Creation | Start Duplicate Record | Help
No record selected Please choose below
Metadata Creation
Metadata Contacts
Dataset Summary
Dataset Contacts
Project Information
Keywords
Geographic Extents
Geographic Bounding Box
Vertical Extents
Geographic Scale
Lineage Statement
Model/Dataset Associations
Distribution Format
Storage Formats
Spatial Representation
Sampling Resolution
Spatial Reference Systems
Access Constraints
Use Constraints
Additional Info on Constraints
Online Access URL
These are your options within the BGS Data Holdings (GeoIDS) Metadata Application
Create a new metadata entry for a BGS Data Holding:
Create new entry from scratch
Create new entry by duplicating an existing record
Select a BGS-GeoIDS metadata entry to edit and/or review:
Select from dataset titles
Select from names of contacts for the metadata
Search in titles/descriptions
Select a BGS-GeoIDS metadata entry for completion and sign-off:
Select from dataset titles
Select from names of contacts for the metadata
[Metadata Manager only] Metadata Manager reports:
List all signed off metadata entries
List all metadata entries that have been changed since last sign-off/completion
IPR and Copyright must be protected | Content enquiries :Linda Ault

BGS Data Holdings Metadata Application

Bowie,Roderick C: digital table of information : **Single Onshore Borehole Index**

Metadata Completion Status

Dataset Summary
Dataset Contacts
Project Information
Keywords

Geographic Extents
Geographic Bounding Box
Vertical Extents
Geographic Scale

Lineage Statement
Model/Dataset Associations

Distribution Format
Storage Formats
Spatial Representation
Sampling Resolution
Spatial Reference Systems

Access Constraints
Use Constraints
Additional Info on Constraints
Online Access URL

External Organisation Contact Details

Model/Dataset summary

Full Printable Metadata Report

Next Page (Dataset Contacts) >>

Title	Single Onshore Borehole Index
Presentation Form	digital table of information
Abstract	The Single Onshore Borehole Index (SOBI) is an index of over 1 million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the BGS. The collection covers onshore and near shore boreholes from Great Britain dating back to at least 1790 and ranging from one to several thousand metres deep. Some 50,000 new records are added each year. The majority of the records contain written descriptions of the ground encountered. The SOBI index database originated in 1988 from a number of existing tables and from data input from a variety of coding forms. Therefore not all fields in the database are populated and data that should be in some fields may currently form part of the entries in another. The index is available on the BGS website via the Geoindex
Progress Status	onGoing
Maintenance Frequency	continual
Supplementary Information	Entries for all registered boreholes but not all fields are complete. SPATIAL_DETAIL_LEVEL = Complete and generally accurate to 10 metres.

Edit Details **Start Duplicate of this Record**

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Geoscience for decision making

Home | Our research | Our services | Popular geology | News & events | Contact us | About us | Help | Search

Home » Our services » NGDC information & data » Online data » Discovery Metadata

Our services

- NGDC information & data
- **Online data**
  - *Online data index*
  - Borehole materials
  - Discovery metadata
  - GeoIndex
  - Geological photographs
  - Lexicon of rock units
  - PalaeoSaurus
  - Rock classification
  - Rock collections
  - Taxonomy Online
  - Vocabularies
  - Water watch
  - Web services

BGS Discovery Metadata

BGS discovery metadata describes the datasets held.
These pages are derived from our discovery metadata database, which complies with ISO standard 19115:2003 for geographic information metadata.

List of all datasets

This page has a list of all available Discovery Metadata datasets, sorted alphabetically by name with links to the full details for each dataset.

Browse by keywords

This page has an A to Z list of all the keywords used to describe the Discovery Metadata datasets. Each keyword links to a list of matching datasets, or directly to the full details of single dataset matches.

Keyword hierarchy

This page shows a hierarchy of keywords used to describe the Discovery Metadata datasets. Each keyword links to a list of matching datasets, or directly to the full details of single dataset matches.

Browse by location

This page has an A to Z list of all the aereal extents (locations) used to locate the Discovery Metadata datasets. Each location links to a list of matching datasets, or directly to the full details of single dataset matches.

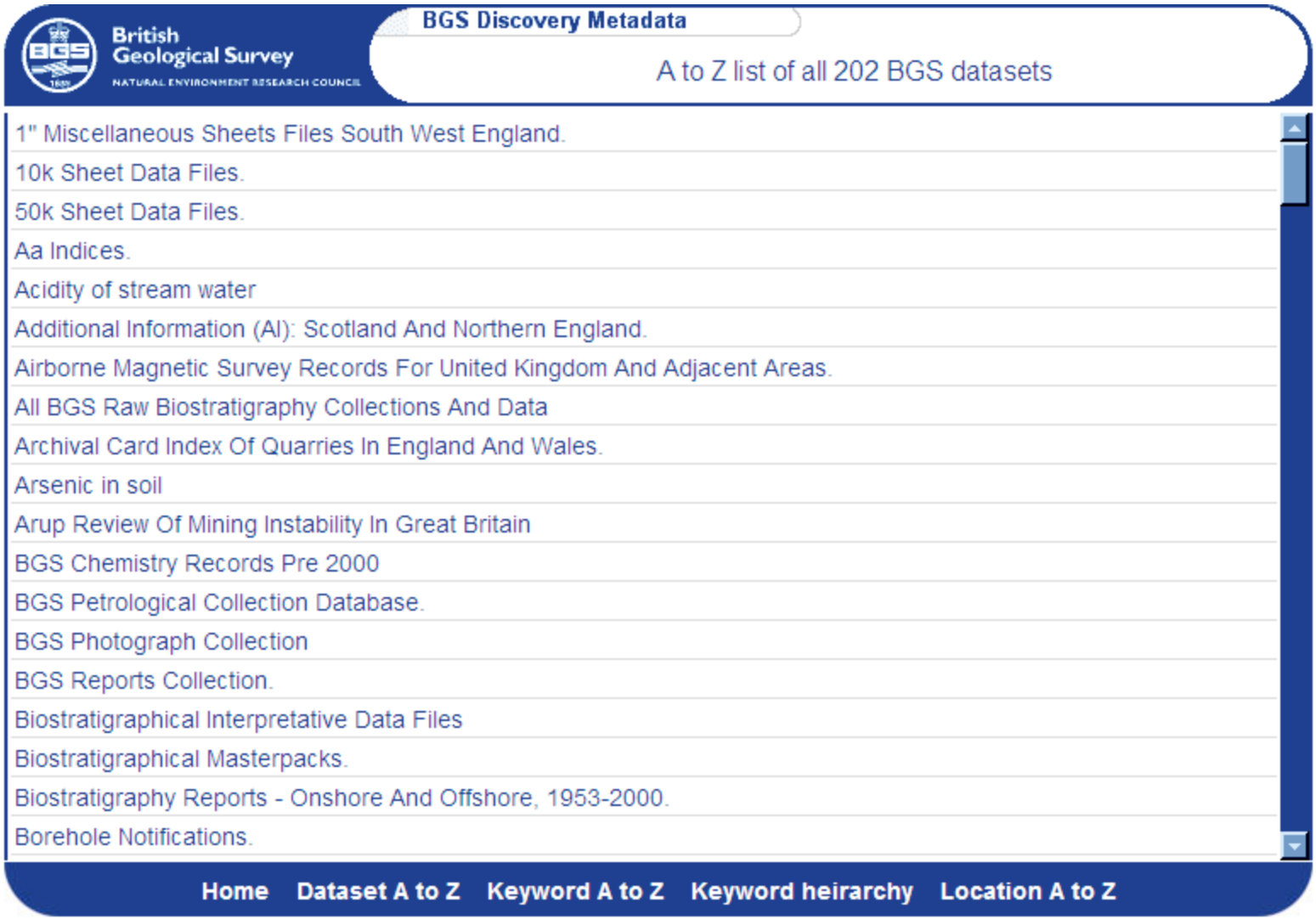
NERC Data Discovery Service

Metadata about data held by other NERC Environmental Data Centres is available from the NERC Data Discovery Service.

See also

- Library
- NGDC
- Enquiries
- Geoscience information

Bookmark with: Delicious Digg Facebook reddit StumbleUpon



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS Discovery Metadata Dataset

Opencast Coal Data

Dataset description

Primary Geological Data resulting from Open Cast Coal exploration. Collection of data includes reports, interpretations and records of research in British coalfield areas deposited by British Coal. Data for past and current collieries and for future prospects. The majority of the collection was deposited with the National Geological Records Centre by the Coal Authority in July 2001. The collection includes borehole site plans, borehole logs , analyses and geophysical data etc. BGS holdings of opencast data are to be integrated with these collections. New data from coal companies will be added as it is recieved.

Location

W -5.72 | 56.36 N

S 51.16 | -0.38 E

Constraints

Copyright and commercial restrictions may apply.

For more information please contact :

Enquiries
British Geological Survey
Keyworth
Nottingham
NG12 5GG

Tel : +44 (0)115 936 3143
Fax : +44 (0)115 936 3276
Email :enquiries@bgs.ac.uk

Reviewed 17th November 2006

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

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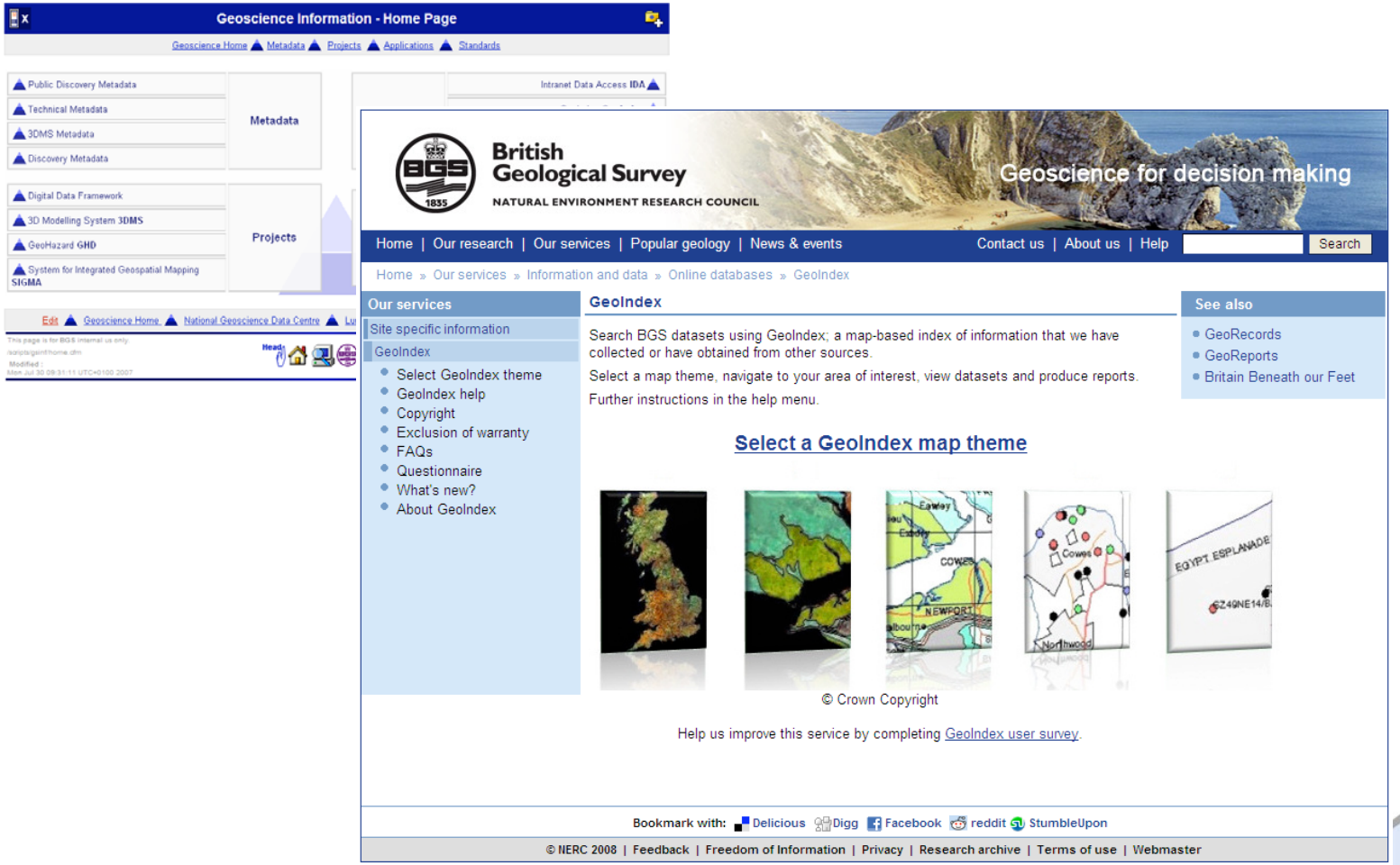
Tel : +44 (0)115 936 3143
Fax : +44 (0)115 936 3276
Email :enquiries@bgs.ac.uk

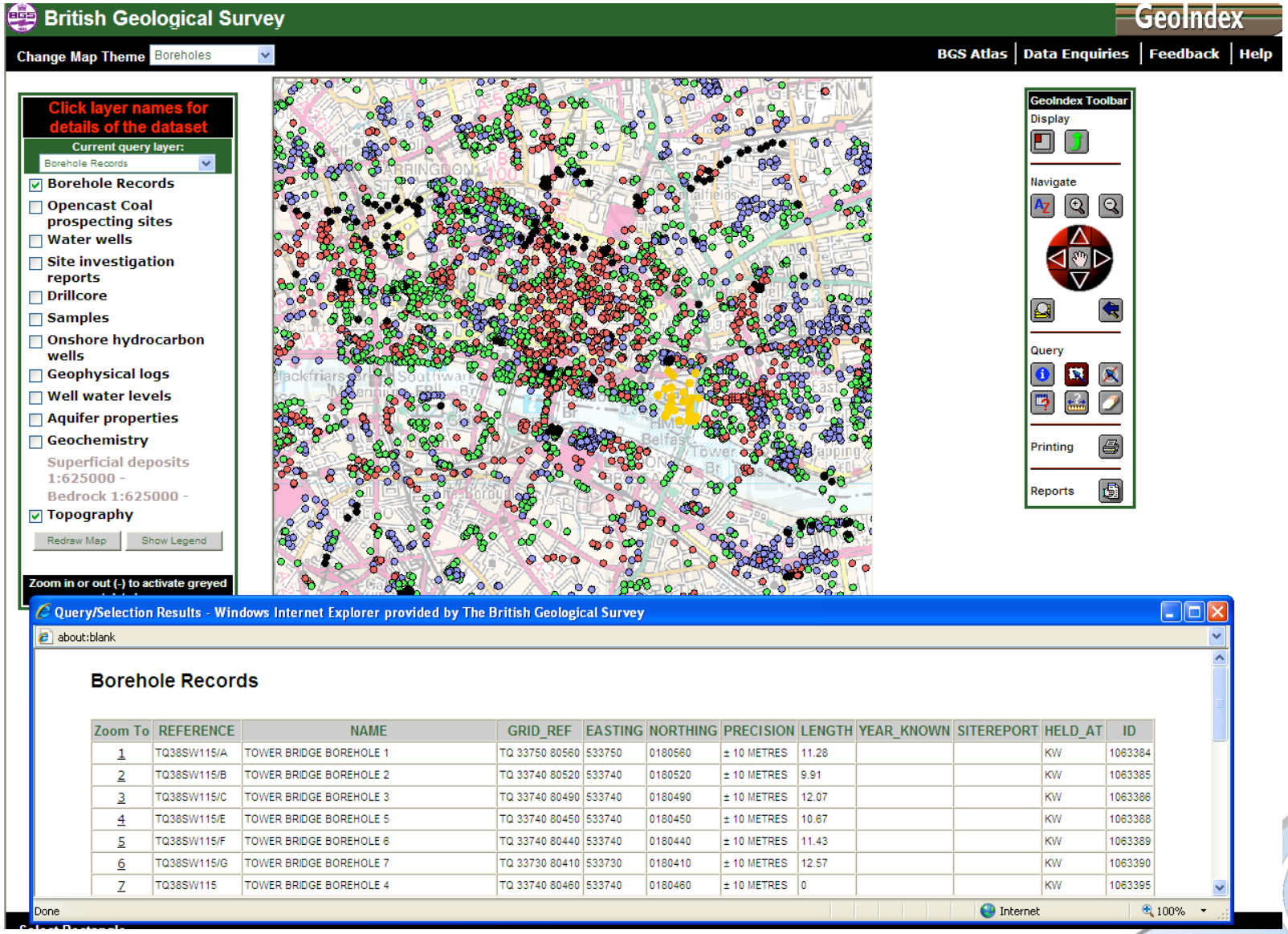
Further details [close]

Dataset details	
Language	English
Curator	British Geological Survey
Supply media/format	PAPER
Storage format	Hardcopy:Paper copy
Frequency of update	irregular
Start of capture	Not known
End of capture	Not known

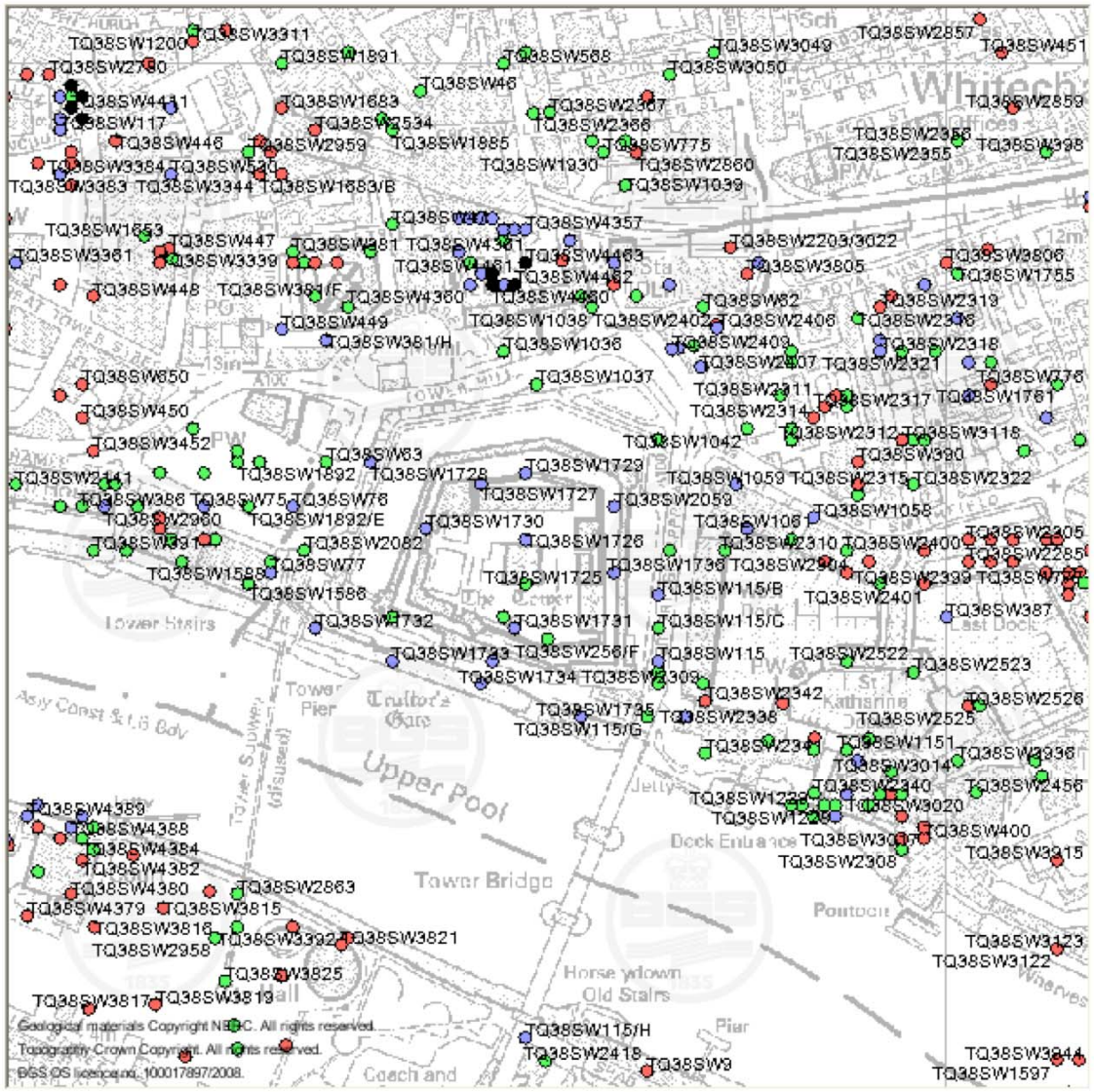
Contact details	
Department	Enquiries
Organisation	British Geological Survey
Address	Kingsley Dunham Centre, Nicker Hill, Keyworth
City	Nottingham
County	Nottinghamshire
Country	United Kingdom
Postcode	NG12 5GG
E-mail	enquiries@bgs.ac.uk
Telephone	+44 (0)115 936 3143

Geospatial Indexes - External





Zoom To	REFERENCE	NAME	GRID_REF	EASTING	NORTHING	PRECISION	LENGTH	YEAR_KNOWN	SITEREPORT	HELD_AT	ID
1	TQ38SW115/A	TOWER BRIDGE BOREHOLE 1	TQ 33750 80560	533750	0180560	± 10 METRES	11.28			KW	1063384
2	TQ38SW115/B	TOWER BRIDGE BOREHOLE 2	TQ 33740 80520	533740	0180520	± 10 METRES	9.91			KW	1063385
3	TQ38SW115/C	TOWER BRIDGE BOREHOLE 3	TQ 33740 80490	533740	0180490	± 10 METRES	12.07			KW	1063386
4	TQ38SW115/E	TOWER BRIDGE BOREHOLE 5	TQ 33740 80450	533740	0180450	± 10 METRES	10.67			KW	1063388
5	TQ38SW115/F	TOWER BRIDGE BOREHOLE 6	TQ 33740 80440	533740	0180440	± 10 METRES	11.43			KW	1063389
6	TQ38SW115/G	TOWER BRIDGE BOREHOLE 7	TQ 33730 80410	533730	0180410	± 10 METRES	12.57			KW	1063390
7	TQ38SW115	TOWER BRIDGE BOREHOLE 4	TQ 33740 80460	533740	0180460	± 10 METRES	0			KW	1063395



GeoIndex - Microsoft Internet Explorer

British Geological Survey

GeoIndex

Change Map Theme: Boreholes

Data Enquiries | Feedback | Help

Click layer names for details

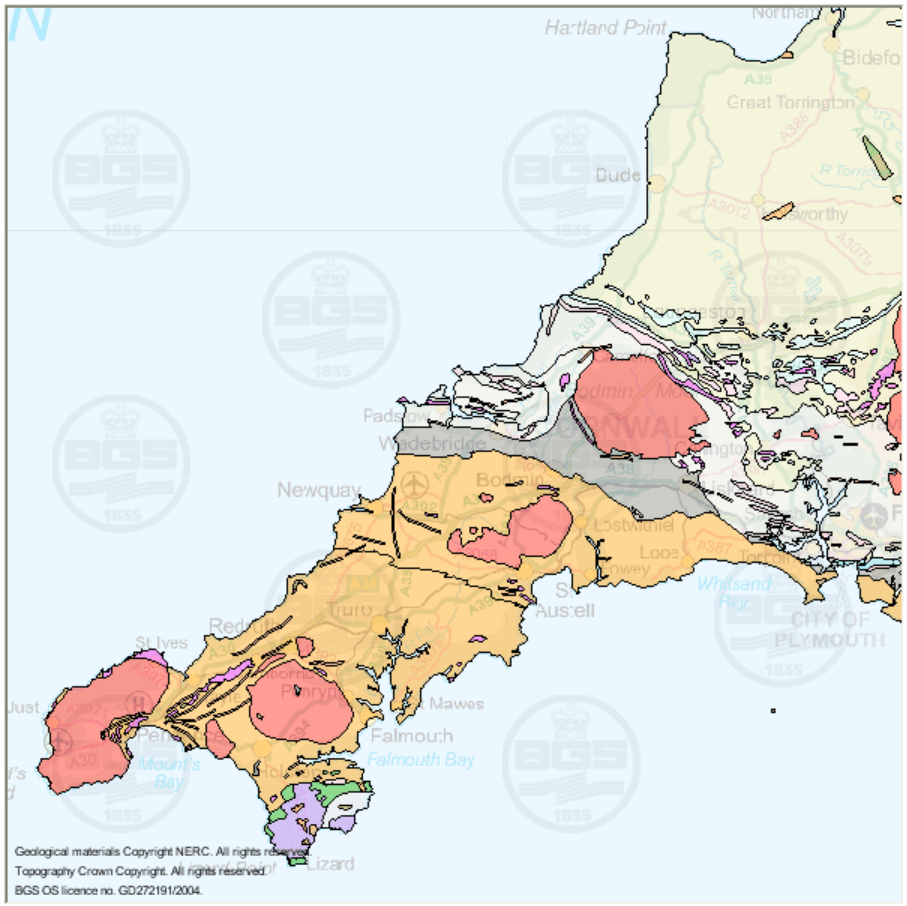
Current query layer:

NONE

- Borehole Records
- Opencast Coal prospecting sites
- Water wells
- ☐ Site investigation reports
- ☐ Drillcore
- ☐ Samples
- ☐ Geophysical logs
- Well water levels
- Aquifer properties
- ☐ Geochemistry
- ☐ Superficial deposits 1:625000
- ☑ Bedrock 1:625000
- ☑ Topography

Redraw Map | Show Legend

Zoom in or out (-) to activate greyed out data layers



Toolbar

Display

Navigate

Query

Printing

Reports

Pan

Trusted sites

start | Disconnected - Bla... | Inbox - Microsoft ... | Microsoft PowerPo... | GeoIndex - Index ... | GeoIndex - Micros... | Jasc Paint Shop Pro | 10:42

Query/Selection Results - Microsoft Internet Explorer

Modern instrument recorded earthquakes

Zoom To	DY_MO_YEAR	YEAR	HRMN	SECS	LAT	LON	EAST	NORTH	DEP	ML	MGMC	MAG	INT	LOCALITY	COMMENTS
1	21/10/2002	2002	1142	34.7	53.481	-2.195	387072	398299	2.3	3.9	0	3.9	5+	GREATER MANCHESTER	FELT GREATER MANCHESTER
2	21/10/2002	2002	1142	56.9	53.478	-2.218	385522	397914	5	3.5	0	3.5	4+	GREATER MANCHESTER	FELT GREATER MANCHESTER
3	21/10/2002	2002	0745	15.8	53.475	-2.196	387004	397631	5	3.2	0	3.2	4+	GREATER MANCHESTER	FELT GREATER MANCHESTER
4	22/10/2002	2002	1228	08.4	53.473	-2.146	390332	397382	4.2	3.1	0	3.1	4+	GREATER MANCHESTER	FELT GREATER MANCHESTER
5	24/10/2002	2002	0824	54.7	53.485	-2.179	388112	398685	3.7	3.1	0	3.1	4+	GREATER MANCHESTER	FELT GREATER MANCHESTER
6	22/10/2002	2002	0339	37.6	53.463	-2.219	385484	396264	5	2.9	0	2.9	4+	GREATER MANCHESTER	FELT GREATER MANCHESTER
7	23/10/2002	2002	0153	28.8	53.477	-2.157	389614	397885	5	2.8	0	2.8	3+	GREATER MANCHESTER	FELT GREATER MANCHESTER

GeoIndex

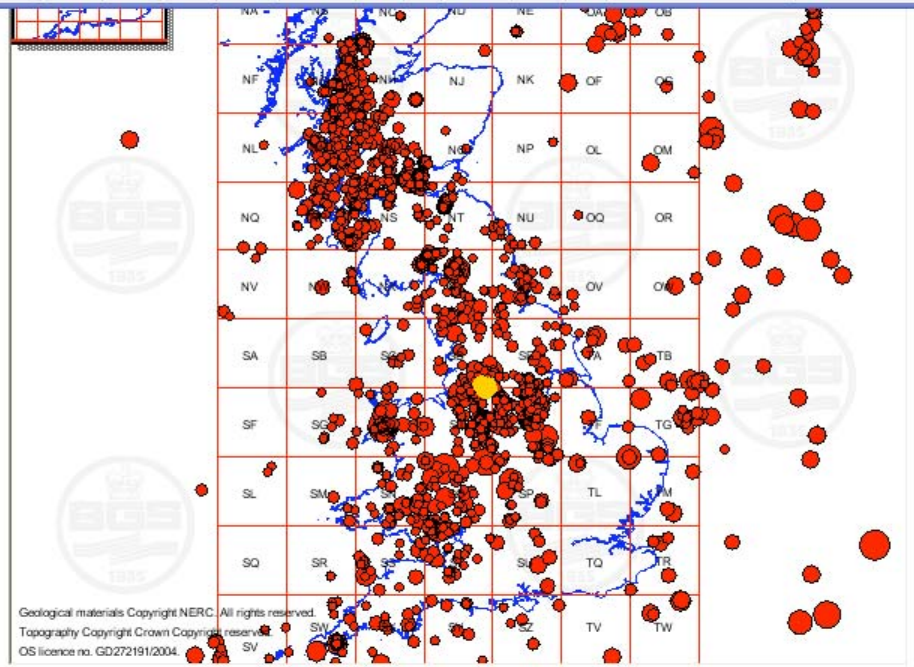
Data Enquiries | Feedback | Help

Bedrock 1:625000

Topography

Redraw Map | Show Legend

Zoom in or out (-) to activate greyed out data layers



Toolbar

Display

Navigate

Query

Printing

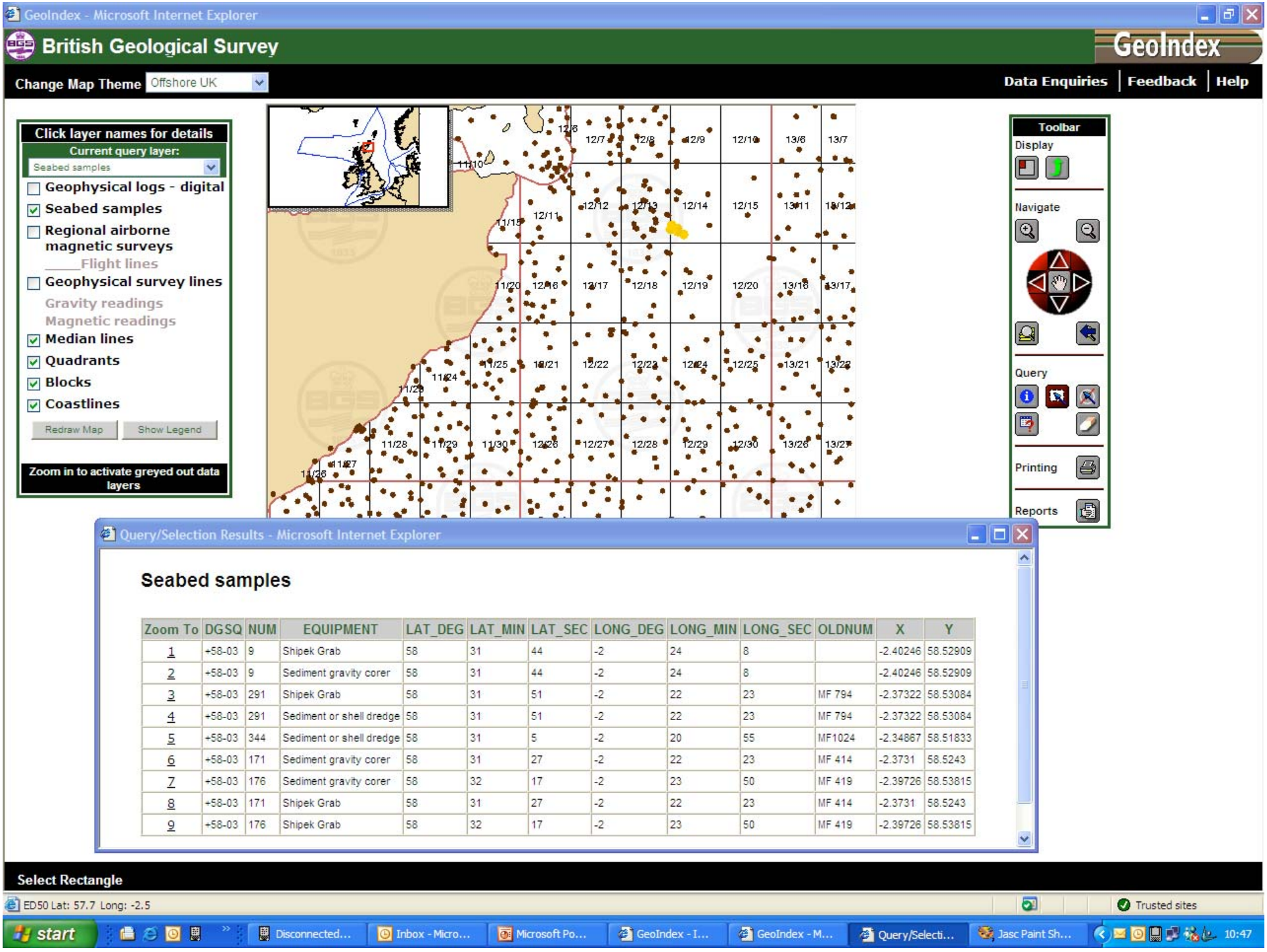
Reports

Select Rectangle

Coordinates: 1000001 , 772147

Trusted sites

start | Disconnected... | Inbox - Micro... | Microsoft Po... | GeoIndex - I... | GeoIndex - M... | Query/Selecti... | Jasc Paint Sh... | 10:45


GeoIndex - Microsoft Internet Explorer
British Geological Survey
GeoIndex
Change Map Theme
Offshore UK
Data Enquiries
Feedback
Help
Click layer names for details
Current query layer:
Seabed samples
Geophysical logs - digital
Seabed samples
Regional airborne magnetic surveys
Flight lines
Geophysical survey lines
Gravity readings
Magnetic readings
Median lines
Quadrants
Blocks
Coastlines
Redraw Map
Show Legend
Zoom in to activate greyed out data layers
Toolbar
Display
Navigate
Query
Printing
Reports
Query/Selection Results - Microsoft Internet Explorer
Seabed samples
Zoom To DGSQ NUM EQUIPMENT LAT_DEG LAT_MIN LAT_SEC LONG_DEG LONG_MIN LONG_SEC OLDNUM X Y
1 +58-03 9 Shipek Grab 58 31 44 -2 24 8 -2.40246 58.52909
2 +58-03 9 Sediment gravity corer 58 31 44 -2 24 8 -2.40246 58.52909
3 +58-03 291 Shipek Grab 58 31 51 -2 22 23 MF 794 -2.37322 58.53084
4 +58-03 291 Sediment or shell dredge 58 31 51 -2 22 23 MF 794 -2.37322 58.53084
5 +58-03 344 Sediment or shell dredge 58 31 5 -2 20 55 MF1024 -2.34867 58.51833
6 +58-03 171 Sediment gravity corer 58 31 27 -2 22 23 MF 414 -2.3731 58.5243
7 +58-03 176 Sediment gravity corer 58 32 17 -2 23 50 MF 419 -2.39726 58.53815
8 +58-03 171 Shipek Grab 58 31 27 -2 22 23 MF 414 -2.3731 58.5243
9 +58-03 176 Shipek Grab 58 32 17 -2 23 50 MF 419 -2.39726 58.53815
Select Rectangle
ED50 Lat: 57.7 Long: -2.5
Trusted sites
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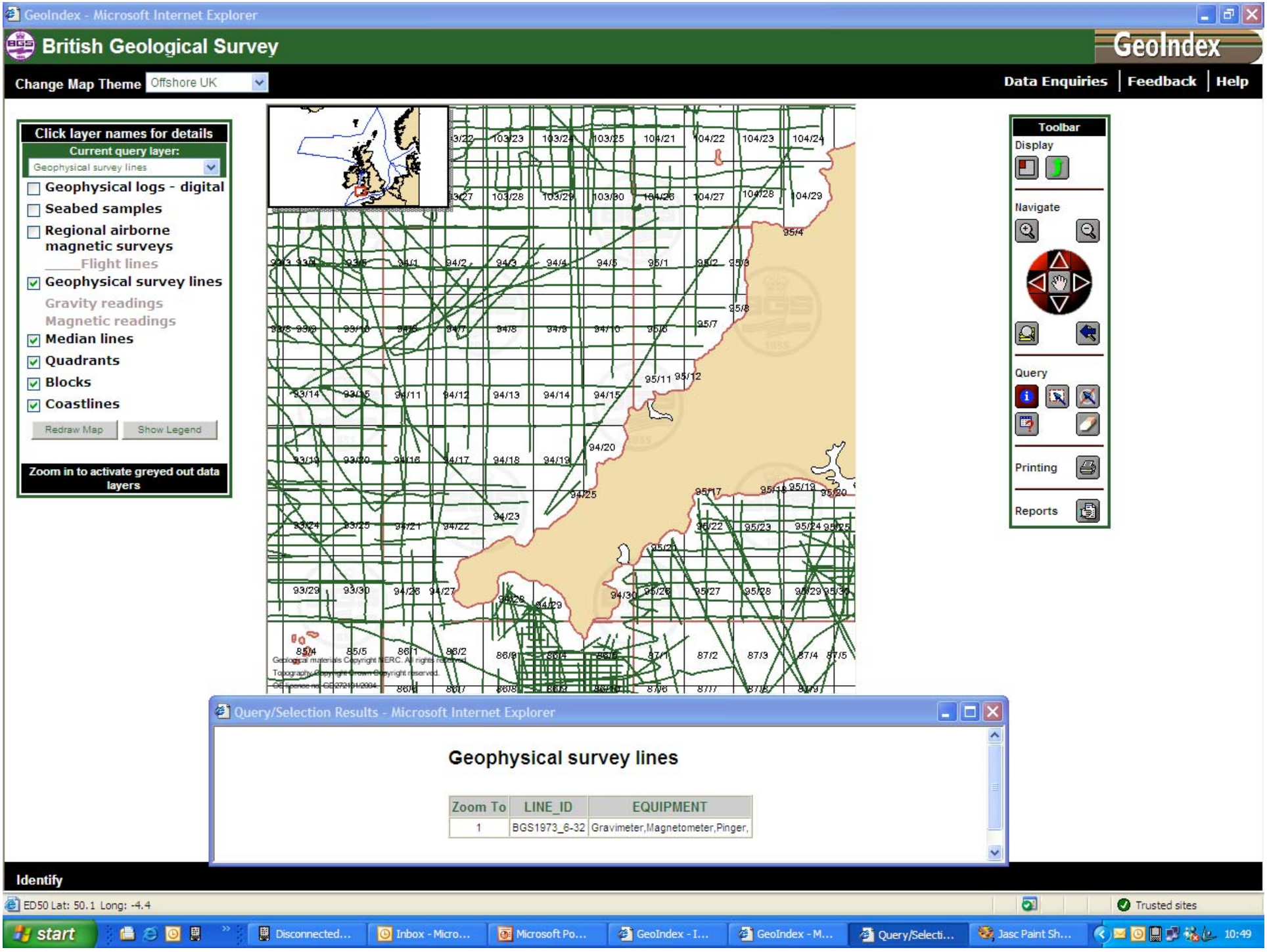
Inbox - Micro...
Microsoft Po...
GeoIndex - I...
GeoIndex - M...
Query/Selecti...
Jasc Paint Sh...
10:47


GeoIndex - Microsoft Internet Explorer
British Geological Survey
GeoIndex
Change Map Theme
Offshore UK
Data Enquiries
Feedback
Help
Click layer names for details
Current query layer:
Geophysical survey lines
Geophysical logs - digital
Seabed samples
Regional airborne magnetic surveys
Flight lines
Geophysical survey lines
Gravity readings
Magnetic readings
Median lines
Quadrants
Blocks
Coastlines
Redraw Map
Show Legend
Zoom in to activate greyed out data layers
Toolbar
Display
Navigate
Query
Printing
Reports
Query/Selection Results - Microsoft Internet Explorer
Geophysical survey lines
Zoom To
LINE_ID
EQUIPMENT
1
BGS1973_6-32
Gravimeter,Magnetometer,Pinger,
Identify
ED50 Lat: 50.1 Long: -4.4
Trusted sites
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Inbox - Micro...
Microsoft Po...
GeoIndex - I...
GeoIndex - M...
Query/Selecti...
Jasc Paint Sh...
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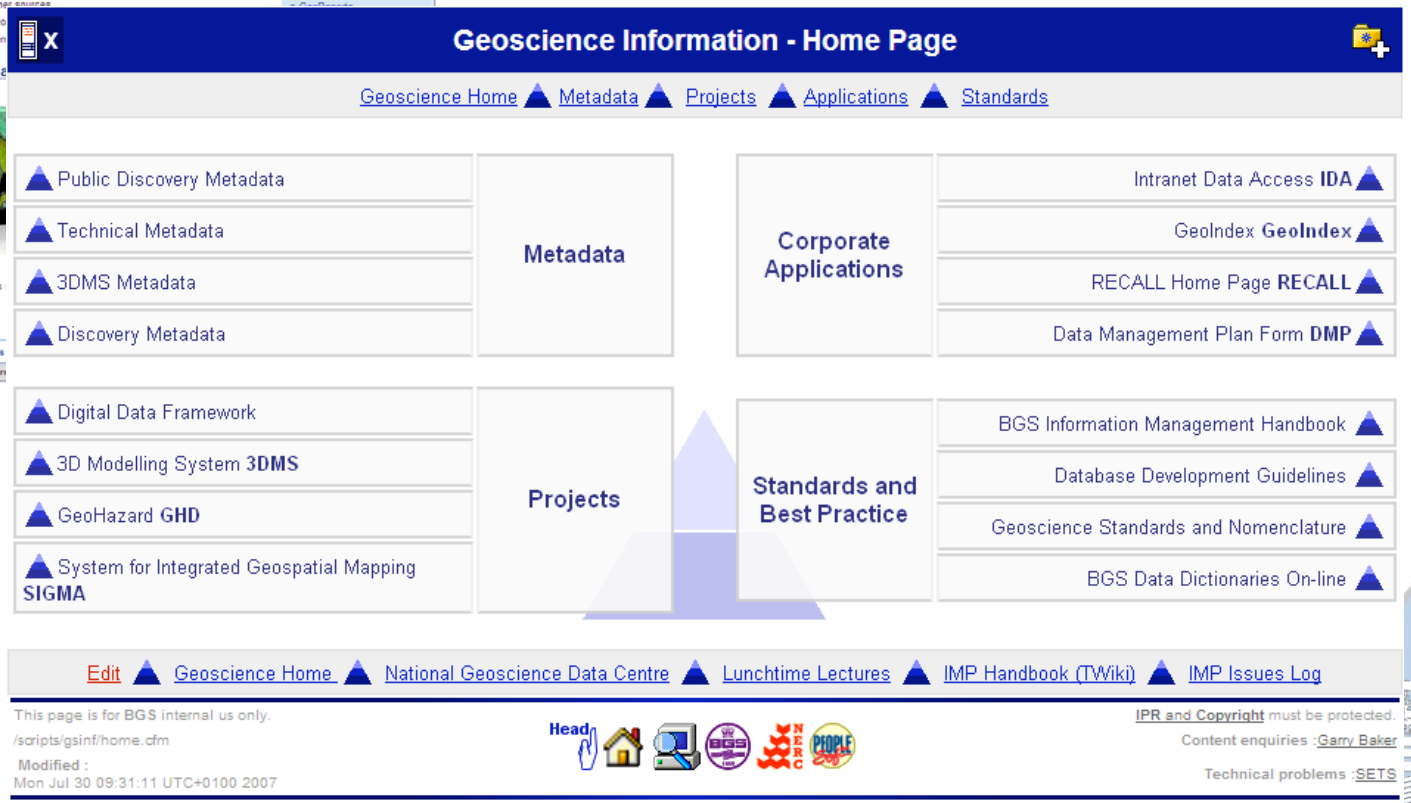
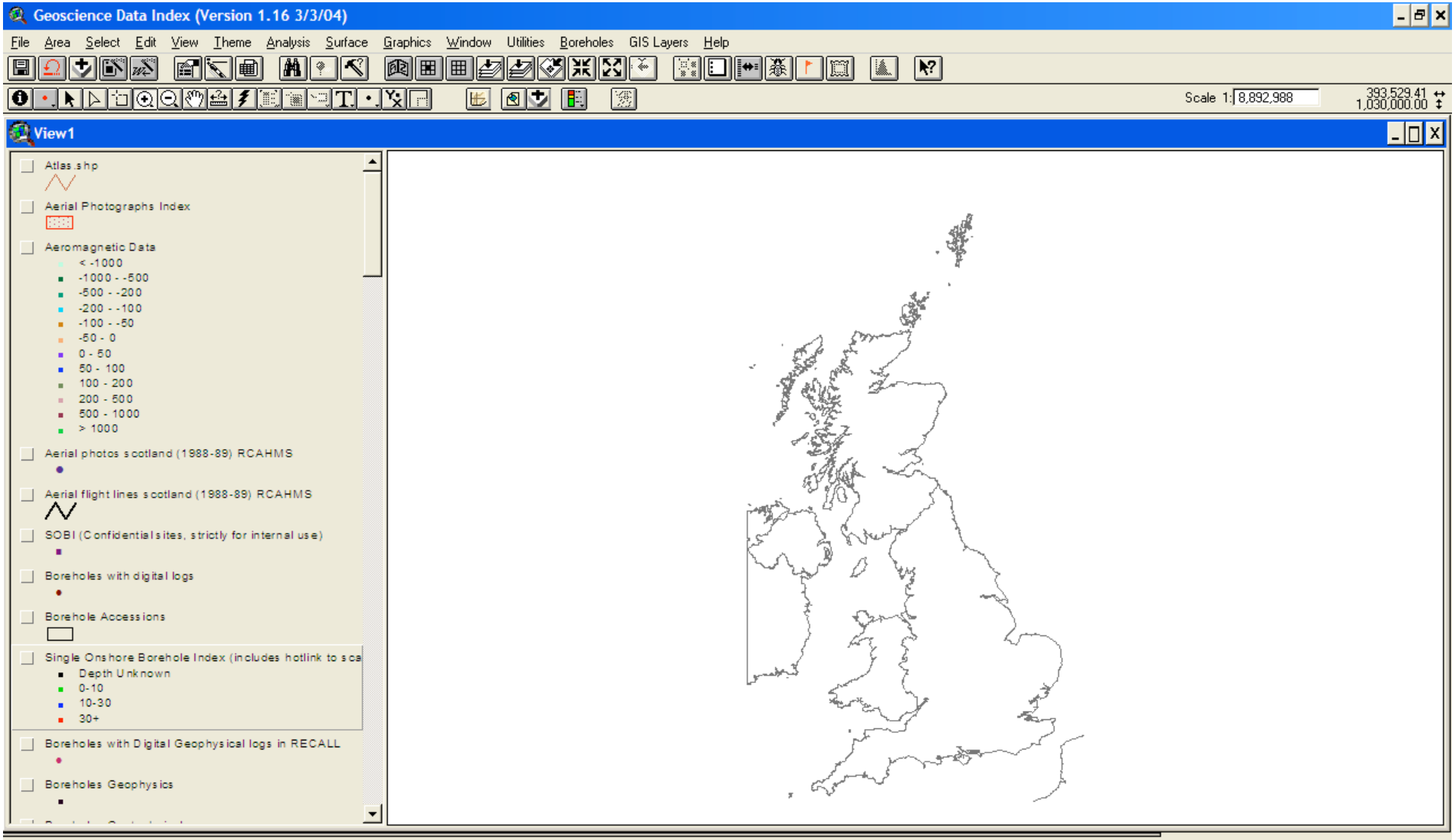
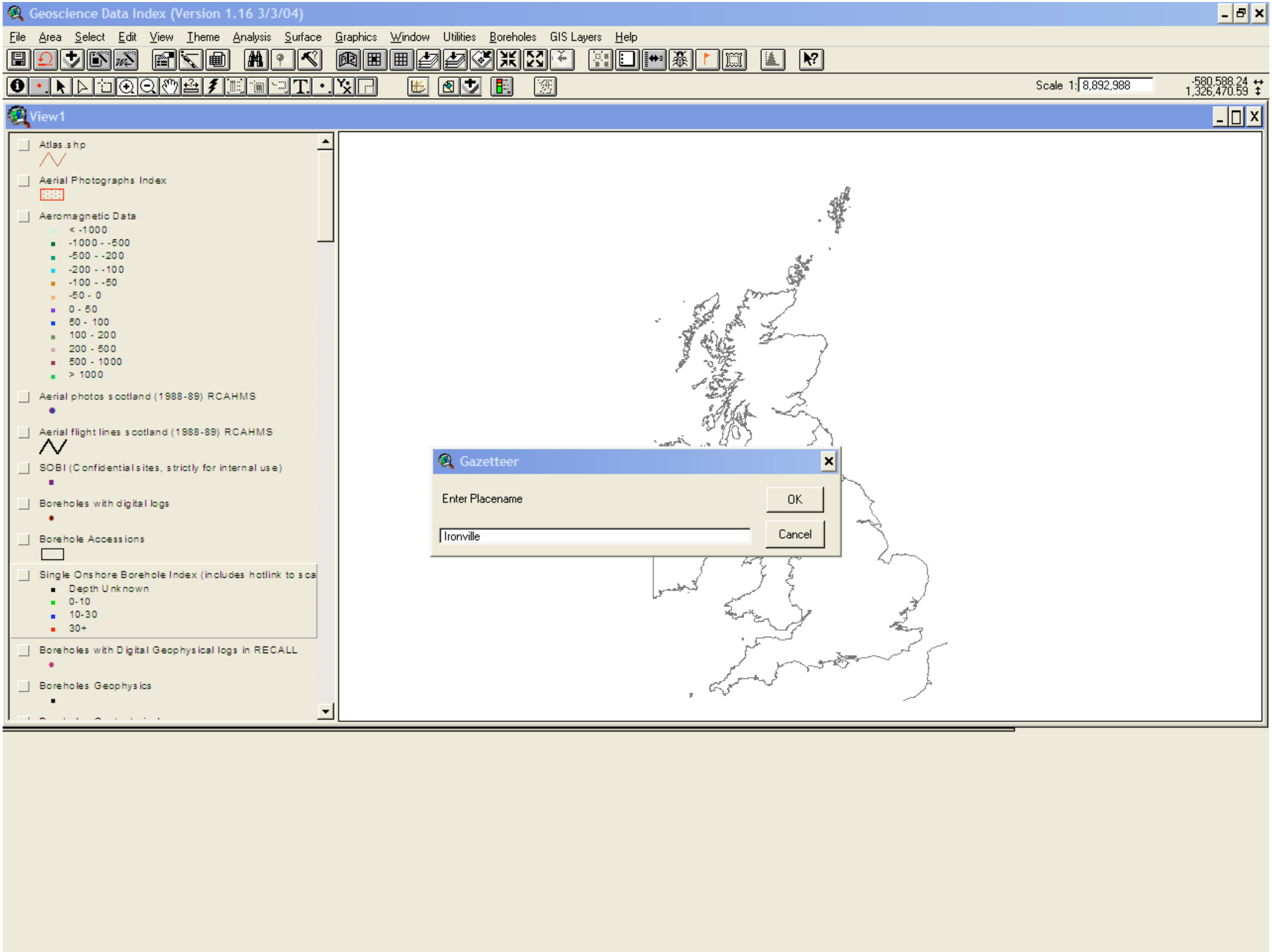
Geospatial Indexes - Internal




Geoscience Data Index (Version 1.16 3/3/04)
File Area Select Edit View Theme Analysis Surface Graphics Window Utilities Boreholes GIS Layers Help
Scale 1: 8,892,988
393,529.41
1,030,000.00
View1
Atlas.shp
Aerial Photographs Index
Aeromagnetic Data
< -1000
-1000 - -500
-500 - -200
-200 - -100
-100 - -50
-50 - 0
0 - 50
50 - 100
100 - 200
200 - 500
500 - 1000
> 1000
Aerial photos scotland (1988-89) RCAHMS
Aerial flight lines scotland (1988-89) RCAHMS
SOBI (Confidential sites, strictly for internal use)
Boreholes with digital logs
Borehole Accessions
Single Onshore Borehole Index (includes hotlink to sca
Depth Unknown
0-10
10-30
30+
Boreholes with Digital Geophysical logs in RECALL
Boreholes Geophysics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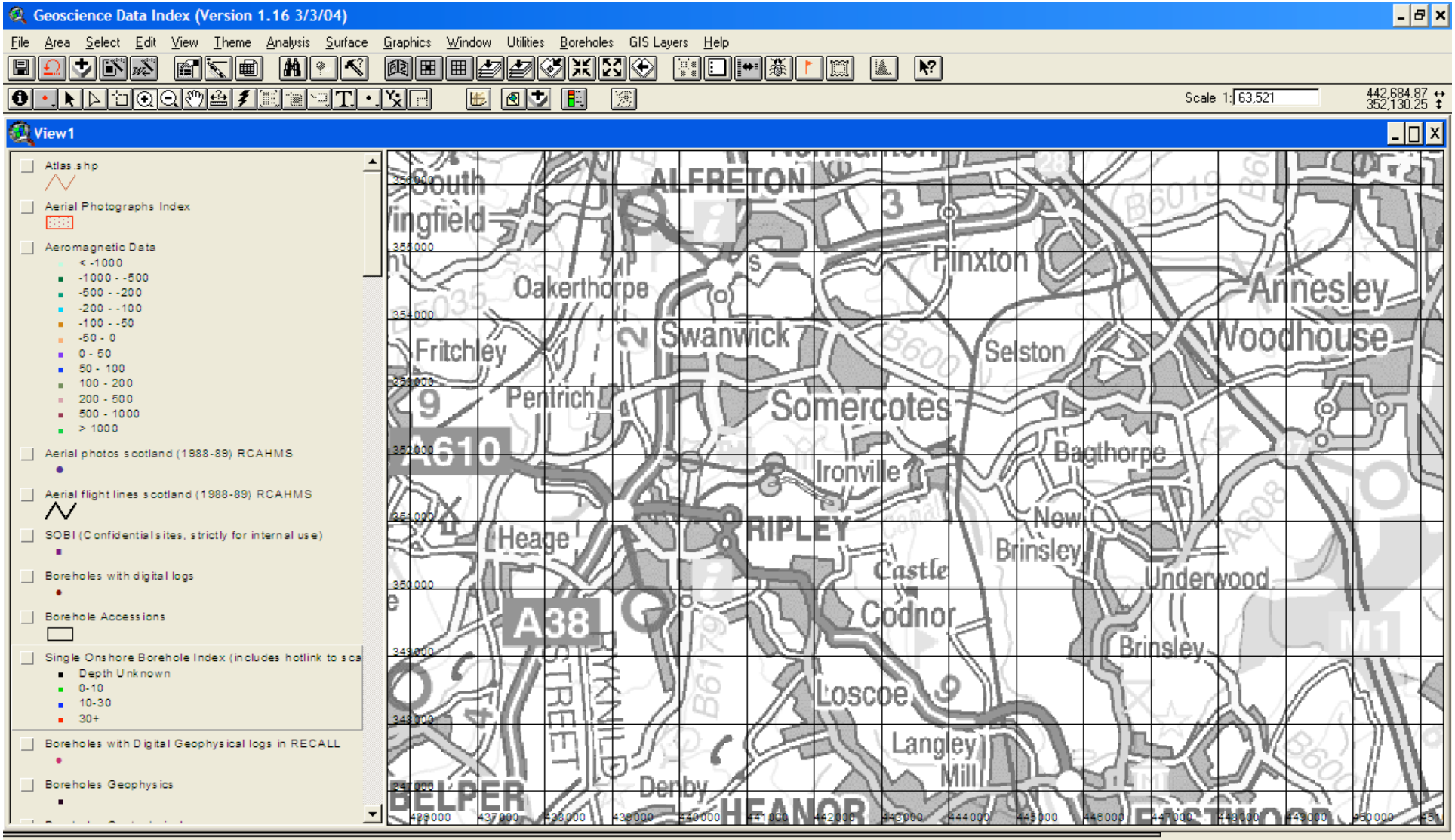
View1
Atlas.shp
Aerial Photographs Index
Aeromagnetic Data
< -1000
-1000 - -500
-500 - -200
-200 - -100
-100 - -50
-50 - 0
0 - 50
50 - 100
100 - 200
200 - 500
500 - 1000
> 1000
Aerial photos scotland (1988-89) RCAHMS
Aerial flight lines scotland (1988-89) RCAHMS
SOBI (Confidential sites, strictly for internal use)
Boreholes with digital logs
Borehole Accessions
Single Onshore Borehole Index (includes hotlink to sca
Depth Unknown
0-10
10-30
30+
Boreholes with Digital Geophysical logs in RECALL
Boreholes Geophysics
Gazetteer
Enter Placename
OK
Ironville
Cancel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Atlas.shp
Aerial Photographs Index
Aeromagnetic Data
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-1000 - -500
-500 - -200
-200 - -100
-100 - -50
-50 - 0
0 - 50
50 - 100
100 - 200
200 - 500
500 - 1000
> 1000
Aerial photos scotland (1988-89) RCAHMS
Aerial flight lines scotland (1988-89) RCAHMS
SOBI (Confidential sites, strictly for internal use)
Boreholes with digital logs
Borehole Accessions
Single Onshore Borehole Index (includes hotlink to sca
Depth Unknown
0-10
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30+
Boreholes with Digital Geophysical logs in RECALL
Boreholes Geophysics
ALFRETON
Pinxton
Annesley
Woodhouse
Oakerthorpe
Swanwick
Selston
Fritchley
Pentrich
Somercotes
A610
Ironville
Bagthorpe
RIPLEY
Heage
Castle
Codnor
Brinsley
Underwood
A38
Loscoe
Langley
Mill
Denby
BELPER
HEANOR
M1
355000
354000
353000
352000
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349000
348000
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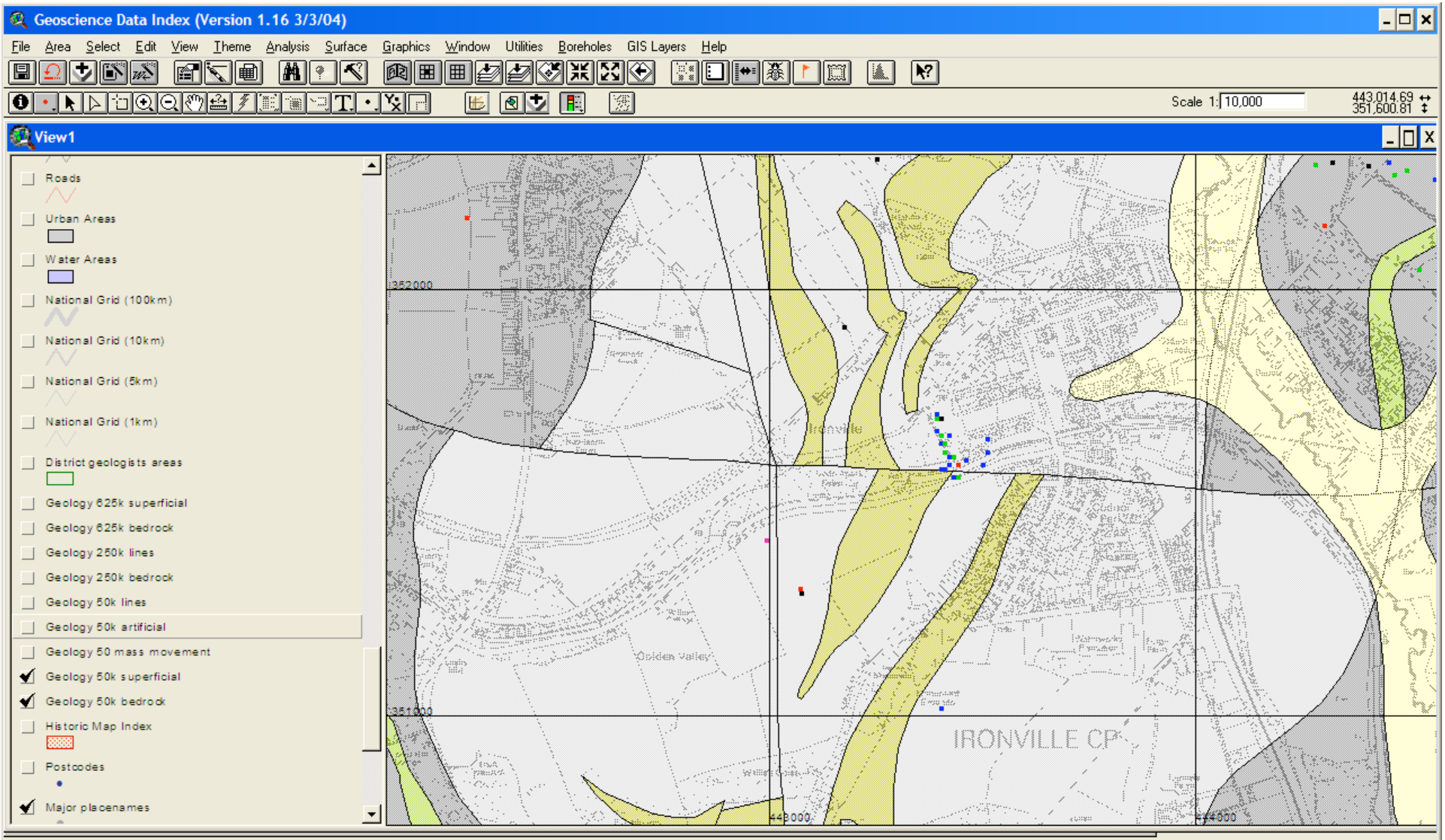
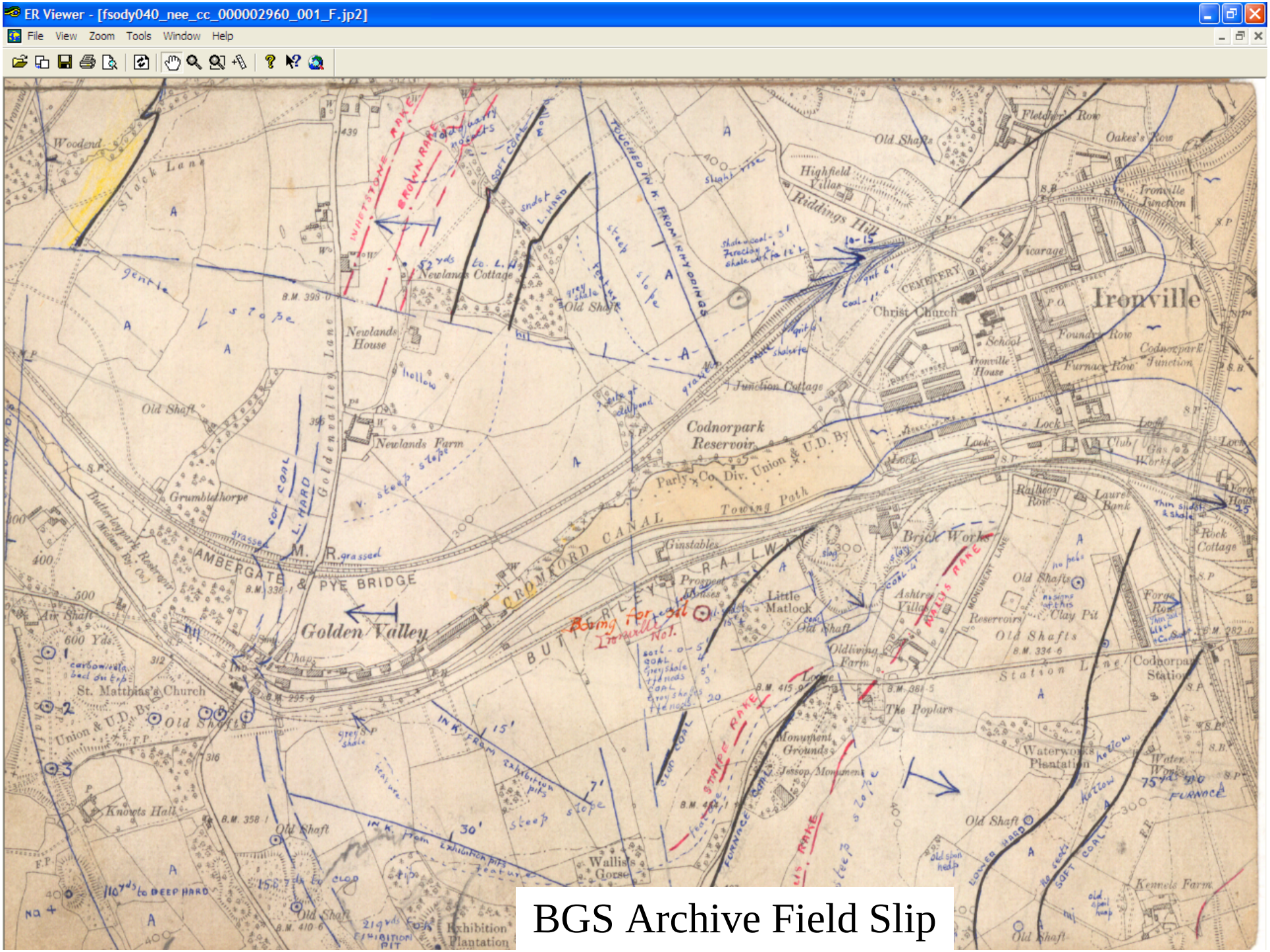
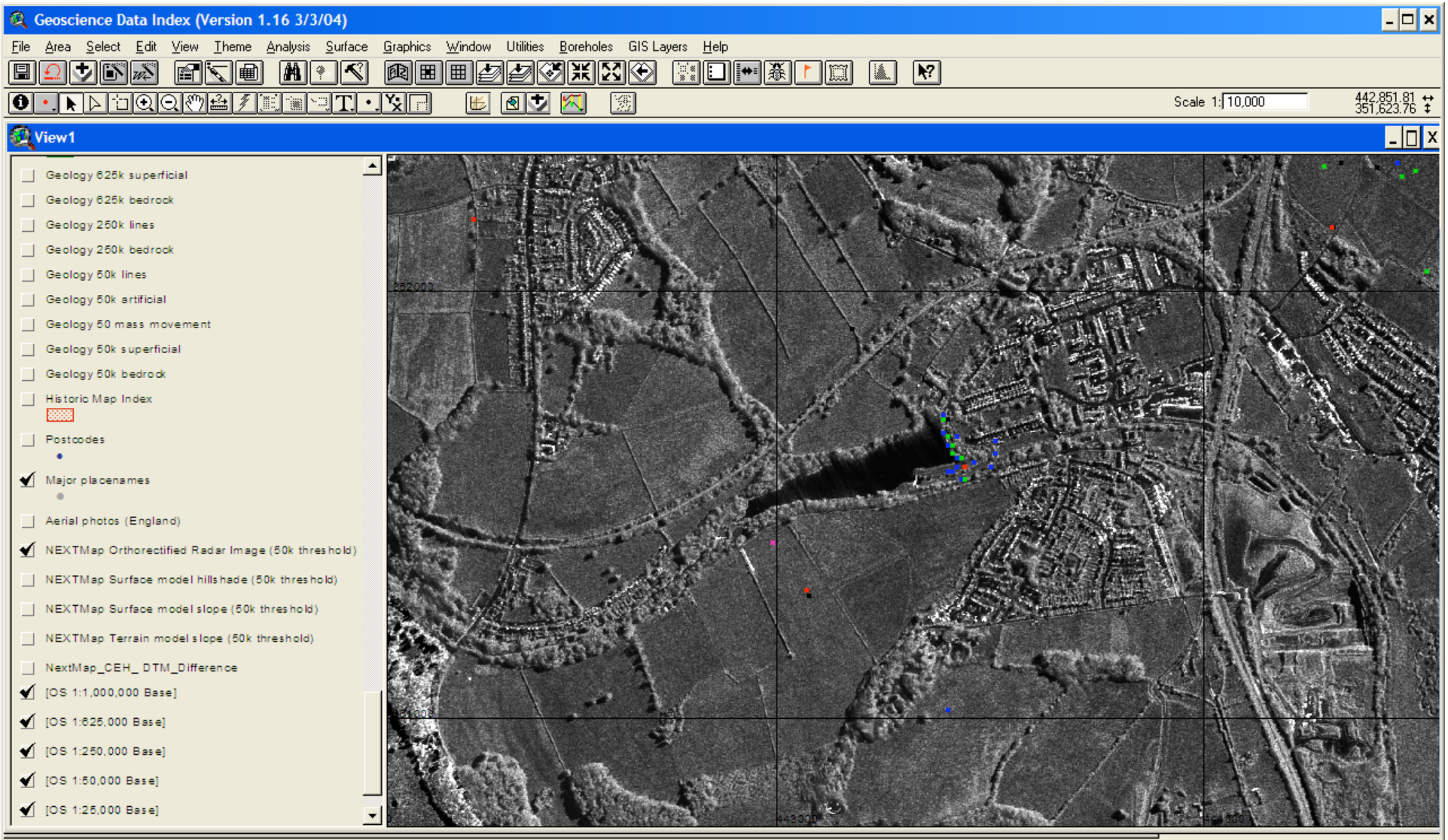


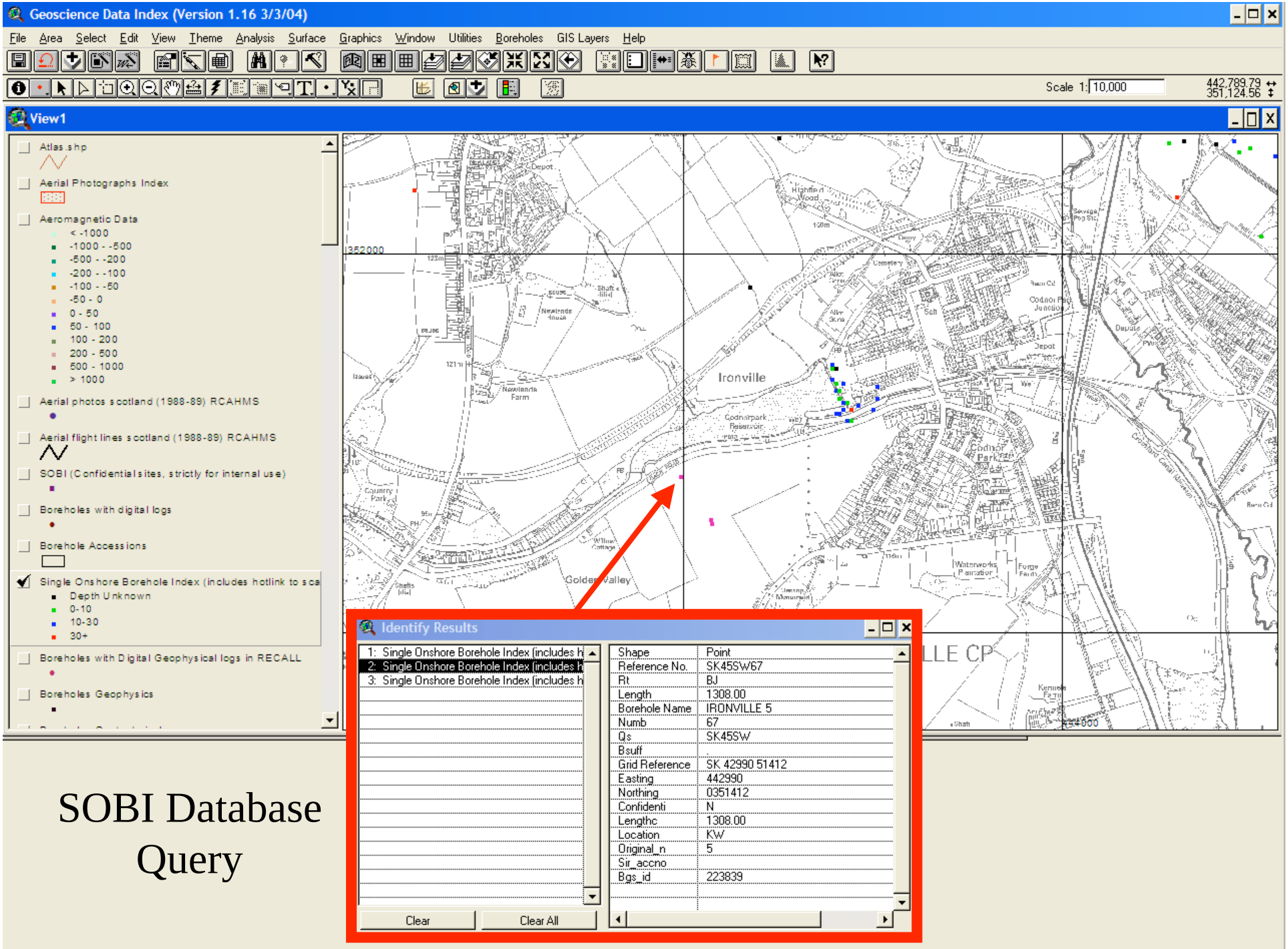
1:50, 000 Scale Bedrock Geology


ER Viewer - [fsody040_nee_cc_000002960_001_F.jp2]
File View Zoom Tools Window Help
Ironville
Codnorpark Reservoir
Golden Valley
AMBERGATE & PYE BRIDGE
CROMFORD CANAL
Towing Path
RAILWAY
Newlands House
Newlands Farm
Junction Cottage
Old Shaft
Old Shafts
Brick Works
Clay Pit
Reservoirs
Little Matlock
Oldwing Farm
The Poplars
Monument Grounds
Jessop Monument
Waterworks Plantation
Christ Church
CEMETERY
Vicarage
Riddings Hill
Highfield Villas
Ironville Junction
Furnace Row
Station Lane
Codnorpark Station
Wallis's Gorse
Exhibition Plantation
Knowts Hall
St. Matthias's Church
Grumbledhorpe
Ginstables
Prospect Houses
Ashtree Villas
Laurel Bank
Railway Row
Kennels Farm
Water Works
FURNACE
Boring For Ironville No1.
BUTTERLEY
Goldenvalley Lane
Woodend
Slack Lane
Butterleypark Reservoir
WHETSTONE RAKE
BROWN RAKE
STRIPE RAKE
WALLIS'S RAKE
SOFT COAL
L. HARD
TOUCHED IN K. FROM INNYDDINGS
IN K. from Exhibition pits
110 yds to DEEP HARD
219 yds to Exhibition PIT
600 Yds.
Air Shaft
Parly Co. Div. Union & U.D. By
Union & U.D. By
M. R.
B.M. 393·0
B.M. 336·1
B.M. 295·9
B.M. 358·1
B.M. 410·6
B.M. 415·9
B.M. 361·5
B.M. 334·6
B.M. 282·0
BGS Archive Field Slip


Microsoft Office Picture Manager
File Edit View Picture Tools Help
Type a question for help
Shortcuts...
75%
Edit Pictures...
Auto Correct
UK Perspective Monoscopic 25cm Resolution Image



NEXTMAP Othorectified Radar Image



SOBI Database Query

Borehole 223839 - PDF Logs - Microsoft Internet Explorer

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Address http://bgsintranet/scripts/IDA/boreholescan/dispBorehole.cfm?bgsid=223839

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Report Error | Easy Print PDF | << < Page 1 of 1 (Size unknown) > >> | View Borehole Record SK45SW BJ 67 .

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Save a Copy Search Select 100% Sign

Pages Attachments Comments

SK 45 SW/67

BP PETROLEUM DEVELOPMENT LIMITED

IRONVILLE-5

IRONVILLE-5

LICENCE: PL 214

COMMERCIAL IN CONFIDENCE

DRILLED DEPTH

NATIONAL GRID REFERENCE:
SURFACE LOCATION SK 42996 51418
TOP RESERVOIR LOCATION
BOTTOM HOLE LOCATION
R.T.E. 92·5 m A.O.D. 4·0 m A.G.L. G.L.E. 88·5 m A.O.D.
RIG Kenting Rig 12 SPUDDED 10/06/84 COMPLETED DRILLING 08/07/84
TOTAL DEPTH DRILLED 1308·0 m B.R.T. TOTAL DEPTH (T.V.D.) 1308·0 m B.R.T.
AVERAGE ANGLE OF DEVIATION THROUGH RESERVOIR MAXIMUM DEVIATION 5°
WELL STATUS Plugged and Abandoned - with oil shows

CASING

LOCATION MAP
SCALE 1:50,000

LITHOLOGICAL

Limestone
Dolomite
Misc. Carbonate
Dolomitic Limestone
Calcareous Dolomite
Clay, Mudstone, Shale
Siltstone
Sandstone, Sand
Conglomerate, Gravel
Siliceous Rock
Coal, Lignite & other Carbonaceous Rock
Anhydrite, Gypsum
Halite
Miscellaneous Chlorides and Sulphates
Iron, Manganese, Phosphate and other Misc. Mins.
Chert
Extrusive Igneous
Tuff
Intrusive Igneous
Metamorphic
Basement
No Sample

LITHOLOGICAL QUALIFIERS

Clayey
Sandy
Silty
Gravelly
Calcareous
Dolomitic
Significant Glauconite
Significant Carb Frags
Phosphatic, Ferruginous, Manganiferous
Bituminous
Tuffaceous

GRAIN TYPE FOSSILIFEROUS:SKELETAL

Benthonic Macrofossils
Planktonic Macrofossils
Benthonic Microfossils
Planktonic Microfossils
Plant remains

WELL SYMBOLS

Water Flow
Loss to Formation
Gas Trace
Gas Show
Oil Show
Gas & Condensate Show
Oil and Gas Show
Hydrocarbon Fluorescence
Cored Interval
Sidewall Core
No Recovery
Formation Interval Test
Drill Stem Test
Perforated Interval
Casing Shoe
Liner Hanger

Scanned Borehole Log of SK45SW/67

1 of 1

SVG Geology Table - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites

Address http://bgsintranet/scripts/resources/applications/borehole_viewer/svgreportcolour.cfm?checklist=1&qs_1=SK45SW&rt_1=BJ&numb_1=67&bsuff_1=. Go

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SVG Viewer Data

Refresh SVG Plot

IRONVILLE 5

Non-confidential (Code : 1)

SK45SW BJ 67 . **(BNG E / N)** 442990 0351412

Surface Level (m):

Drilled Length (m): 1308

Entered by: K_SJS28-Apr-93

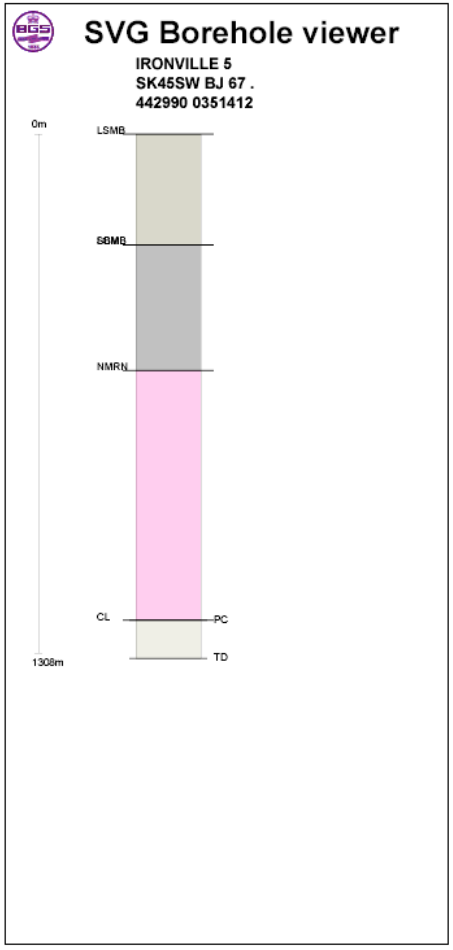
Updated by: KCS 08-Sep-05

Interval Details (Interpreter : AKI)	Base Bed	Thickness	Depth (m)
(LSMB) : No lithology defined		0.00	237.500 - 237.500
(LCM) : No lithology defined		275.50	0 - 275.500
(SBMB) : No lithology defined		0.00	275.500 - 275.500
(NMRN) : No lithology defined		312.20	275.500 - 587.700
(CL) : No lithology defined	PARALLEL UNCONFORMITY	621.30	587.700 - 1209.000
(ORD) : No lithology defined	TERMINAL DEPTH	95.00	1209.000 - 1304.000

This Borehole Geology Report was generated by the BGS Intranet on 17-Aug-06.

Strictly for BGS internal use only. JMCA test version

SVG Borehole Viewer - Microsoft Internet Explorer



Datum

Formation: CARBONIFEROUS LIMESTONE SUPERGROUP
Lithology:
Top: 587.700m
Bottom: 1209.000m

Done Local intranet

Borehole Geology Database Query of SK45SW/67

Lexicon - Full Record View

One full record is shown.

Return to Results of Your Search | Lexicon Search Form | Lexicon Browser | Help

CARBONIFEROUS LIMESTONE SUPERGROUP

Lexicon Code	CL	**Entry Status**	FORMAL, NATIONAL
Preferred Map Code	CL	**Distribution**	ONSHORE
Age	DINANTIAN		

Lithological Description

Dominated by typically bioclastic to micritic, bioturbated with common shelly, crinoidal and algal beds of limestone and coral biostromes which are darker grey, and commonly dolomitised in the lower part. The upper part is dominated by paler grey, thinner-bedded limestones with common palaeokarst surfaces, overlain by clay wayboards, which are possible weathered bentonites. Sandstone is locally common, particularly in the upper part of the Supergroup.

Lithology Status	Lithology Code	Lithology Description
main lithology	DOLO	Dolostone
main lithology	LMST	Limestone
subsidiary lithology	ANHY	Anhydrite-stone
subsidiary lithology	BA	Basalt
subsidiary lithology	MDST	Mudstone
subsidiary lithology	TUF	Tuff
subsidiary lithology	VCBR	Volcaniclastic-breccia

Lithostratigraphical Lexicon Database Query

Definition of Lower Boundary

Typically rests with an angular unconformity above Lower Palaeozoic or older strata. Where the base of the limestone or dolostone succession rests directly upon the unconformity, the unconformity marks the base at the supergroup. Locally, red sandstones or conglomerates with common calcrete palaeosols or bedded and nodular anhydrite with subordinate dolostone and mudstone occur immediately above the uncomformity. In other circumstances the comformable base of the Supergroup is taken at the base of the lowermost bed of limestone or dolostone above a predominant succession of sandstone, conglomerate or anhydrite.

Definition of Upper Boundary

Typically a sharp conformable boundary with the top of the uppermost limestone bed succeeding a predominantly limestone-dominated succession, overlain by dark grey mudstone of the Craven Group, quartzitic sandstone of the Tenby Group, sandstone, or dark grey mudstone and dark grey, thinly bedded limestone of the Yoredale Group.

Thickness

The Supergroup comprises a single group in each tectonic province, and hence thickness is the same as for each component group;e.g. Peak Limestone Group about 800m in the Peak District, the Great Scar Limestone Group attains about 800m in northern England, and the thickest development is in the Stainmore Trough [NY]. The Clwyd Limestone Group of North Wales [SH and SJ] measures up to 900m.

Geographical Limits

Extensive across England and Wales, including south and west Cumbria, the Yorkshire Dales, north and South Wales, the Peak District and the Bristol area.

Additional Age Information

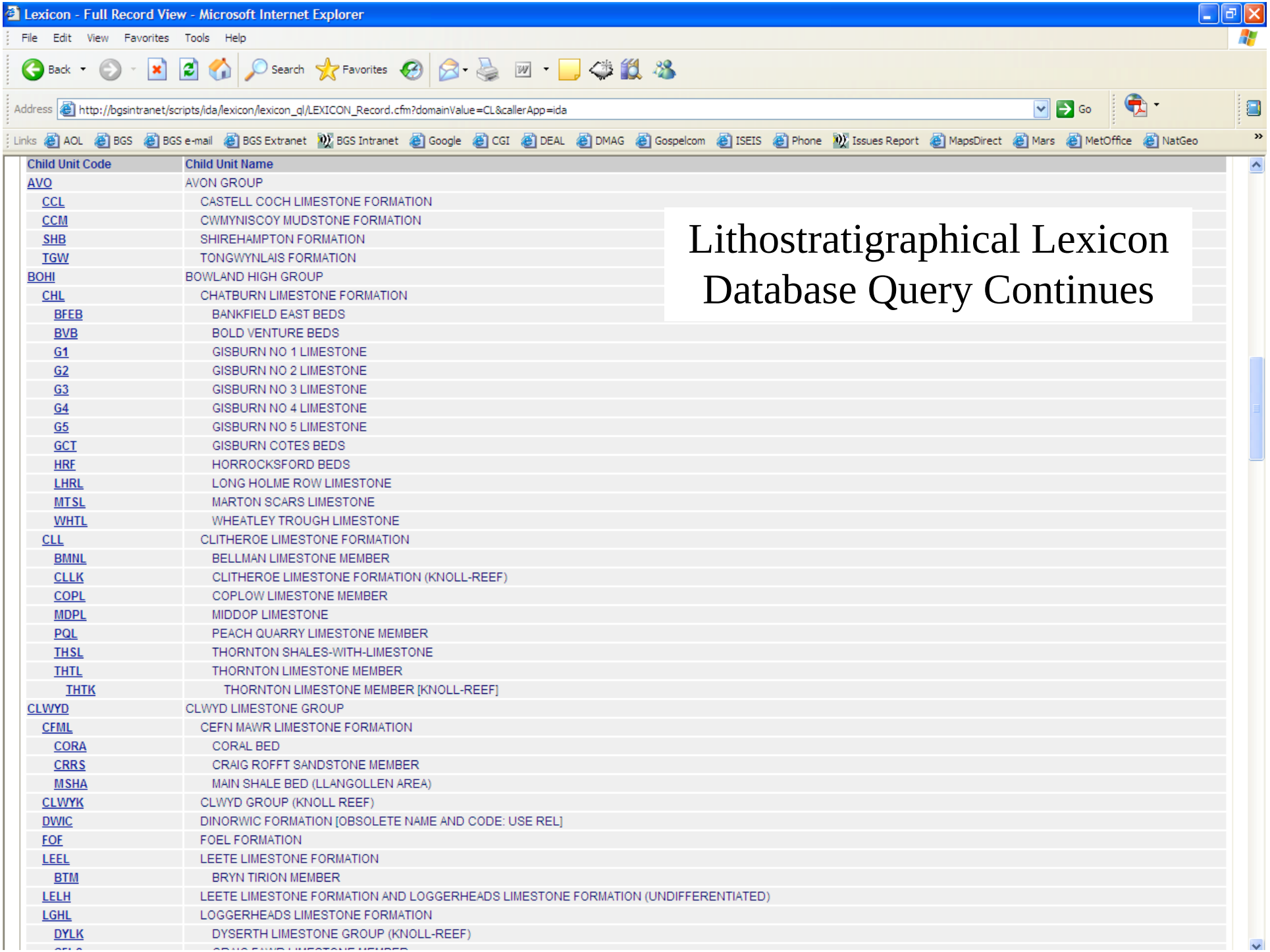
Landform Description

Lithogenetic Description

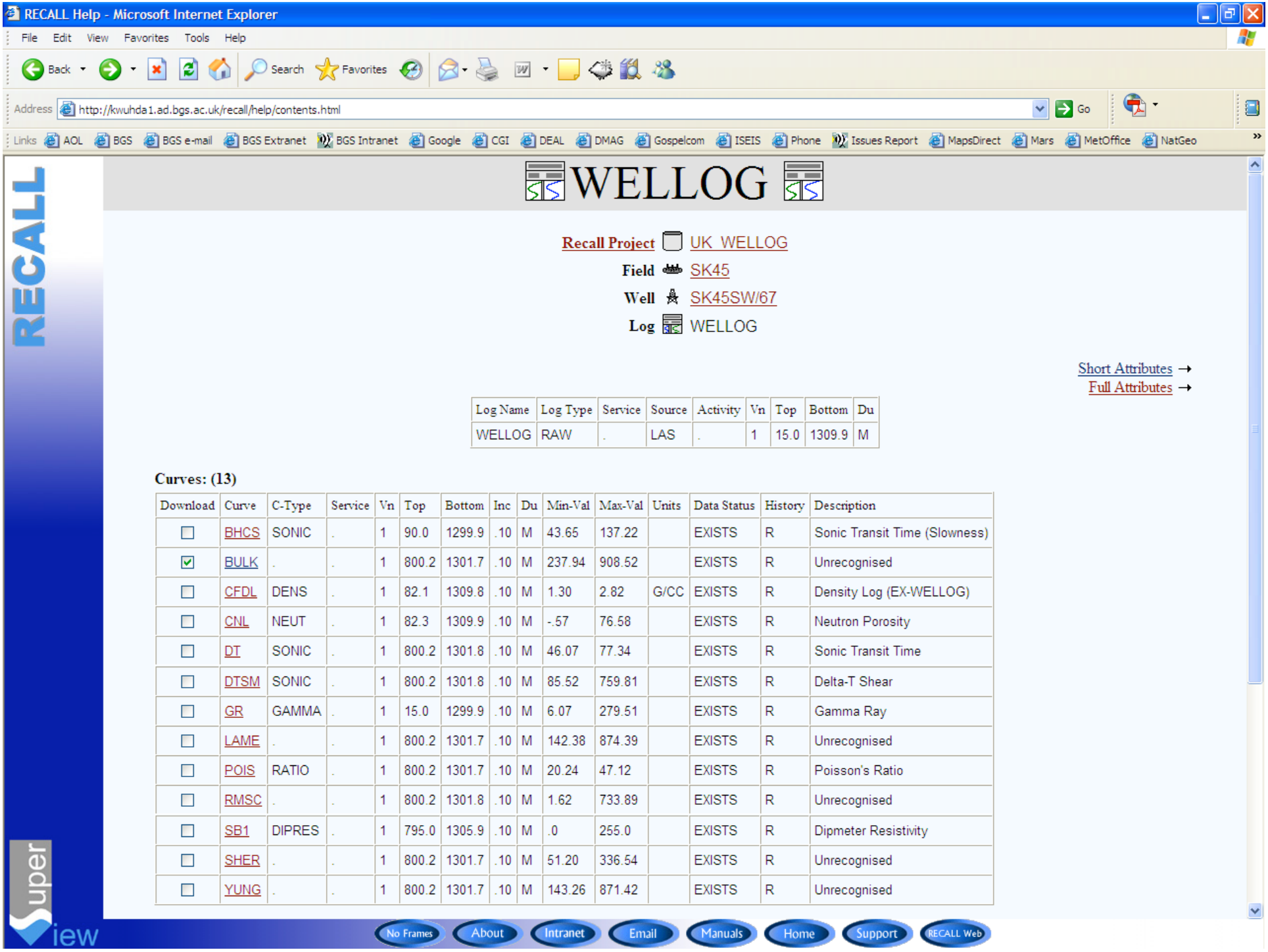
Parent Unit

Parent Unit Code	Parent Unit Name
*	NOT APPLICABLE [HIERARCHY CODE FOR USE WHERE NO PARENT UNIT IS REQUIRED]

Previous Names



Child Unit Code	Child Unit Name
AVO	AVON GROUP
CCL	CASTELL COCH LIMESTONE FORMATION
CCM	CWMYNISCOY MUDSTONE FORMATION
SHB	SHIREHAMPTON FORMATION
TGW	TONGWYNLAIS FORMATION
BOHI	BOWLAND HIGH GROUP
CHL	CHATBURN LIMESTONE FORMATION
BFEB	BANKFIELD EAST BEDS
BVB	BOLD VENTURE BEDS
G1	GISBURN NO 1 LIMESTONE
G2	GISBURN NO 2 LIMESTONE
G3	GISBURN NO 3 LIMESTONE
G4	GISBURN NO 4 LIMESTONE
G5	GISBURN NO 5 LIMESTONE
GCT	GISBURN COTES BEDS
HRF	HORROCKSFORD BEDS
LHRL	LONG HOLME ROW LIMESTONE
MTSL	MARTON SCARS LIMESTONE
WHTL	WHEATLEY TROUGH LIMESTONE
CLL	CLITHEROE LIMESTONE FORMATION
BMNL	BELLMAN LIMESTONE MEMBER
CLLK	CLITHEROE LIMESTONE FORMATION (KNOLL-REEF)
COPL	COPLOW LIMESTONE MEMBER
MDPL	MIDDOP LIMESTONE
PQL	PEACH QUARRY LIMESTONE MEMBER
THSL	THORNTON SHALES-WITH-LIMESTONE
THTL	THORNTON LIMESTONE MEMBER
THTK	THORNTON LIMESTONE MEMBER [KNOLL-REEF]
CLWYD	CLWYD LIMESTONE GROUP
CFML	CEFN MAWR LIMESTONE FORMATION
CORA	CORAL BED
CRRS	CRAIG ROFFT SANDSTONE MEMBER
MSHA	MAIN SHALE BED (LLANGOLLEN AREA)
CLWYK	CLWYD GROUP (KNOLL REEF)
DWIC	DINORWIC FORMATION [OBSOLETE NAME AND CODE: USE REL]
FOF	FOEL FORMATION
LEEL	LEETE LIMESTONE FORMATION
BTM	BRYN TIRION MEMBER
LELH	LEETE LIMESTONE FORMATION AND LOGGERHEADS LIMESTONE FORMATION (UNDIFFERENTIATED)
LGHL	LOGGERHEADS LIMESTONE FORMATION
DYLK	DYSERTH LIMESTONE GROUP (KNOLL-REEF)


RECALL Help - Microsoft Internet Explorer
File Edit View Favorites Tools Help
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Address http://kwuhda1.ad.bgs.ac.uk/recall/help/contents.html
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RECALL
WELLOG
Recall Project UK_WELLOG
Field SK45
Well SK45SW/67
Log WELLOG
Short Attributes →
Full Attributes →
Log Name | Log Type | Service | Source | Activity | Vn | Top | Bottom | Du
WELLOG | RAW | . | LAS | . | 1 | 15.0 | 1309.9 | M
Curves: (13)
Download | Curve | C-Type | Service | Vn | Top | Bottom | Inc | Du | Min-Val | Max-Val | Units | Data Status | History | Description
☐ | BHCS | SONIC | . | 1 | 90.0 | 1299.9 | .10 | M | 43.65 | 137.22 | | EXISTS | R | Sonic Transit Time (Slowness)
☑ | BULK | . | . | 1 | 800.2 | 1301.7 | .10 | M | 237.94 | 908.52 | | EXISTS | R | Unrecognised
☐ | CFDL | DENS | . | 1 | 82.1 | 1309.8 | .10 | M | 1.30 | 2.82 | G/CC | EXISTS | R | Density Log (EX-WELLOG)
☐ | CNL | NEUT | . | 1 | 82.3 | 1309.9 | .10 | M | -.57 | 76.58 | | EXISTS | R | Neutron Porosity
☐ | DT | SONIC | . | 1 | 800.2 | 1301.8 | .10 | M | 46.07 | 77.34 | | EXISTS | R | Sonic Transit Time
☐ | DTSM | SONIC | . | 1 | 800.2 | 1301.8 | .10 | M | 85.52 | 759.81 | | EXISTS | R | Delta-T Shear
☐ | GR | GAMMA | . | 1 | 15.0 | 1299.9 | .10 | M | 6.07 | 279.51 | | EXISTS | R | Gamma Ray
☐ | LAME | . | . | 1 | 800.2 | 1301.7 | .10 | M | 142.38 | 874.39 | | EXISTS | R | Unrecognised
☐ | POIS | RATIO | . | 1 | 800.2 | 1301.7 | .10 | M | 20.24 | 47.12 | | EXISTS | R | Poisson's Ratio
☐ | RMSC | . | . | 1 | 800.2 | 1301.8 | .10 | M | 1.62 | 733.89 | | EXISTS | R | Unrecognised
☐ | SB1 | DIPRES | . | 1 | 795.0 | 1305.9 | .10 | M | .0 | 255.0 | | EXISTS | R | Dipmeter Resistivity
☐ | SHER | . | . | 1 | 800.2 | 1301.7 | .10 | M | 51.20 | 336.54 | | EXISTS | R | Unrecognised
☐ | YUNG | . | . | 1 | 800.2 | 1301.7 | .10 | M | 143.26 | 871.42 | | EXISTS | R | Unrecognised
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BULK

Recall Project UK_WELLOG
Field SK45
Well SK45SW/67
Log WELLOG
Curve BULK

Short Attributes →
Full Attributes →

Curve	C-Type	Service	Vn	Top	Bottom	Inc	Du	Min-Val	Max-Val	Units	Data Status	History	Description
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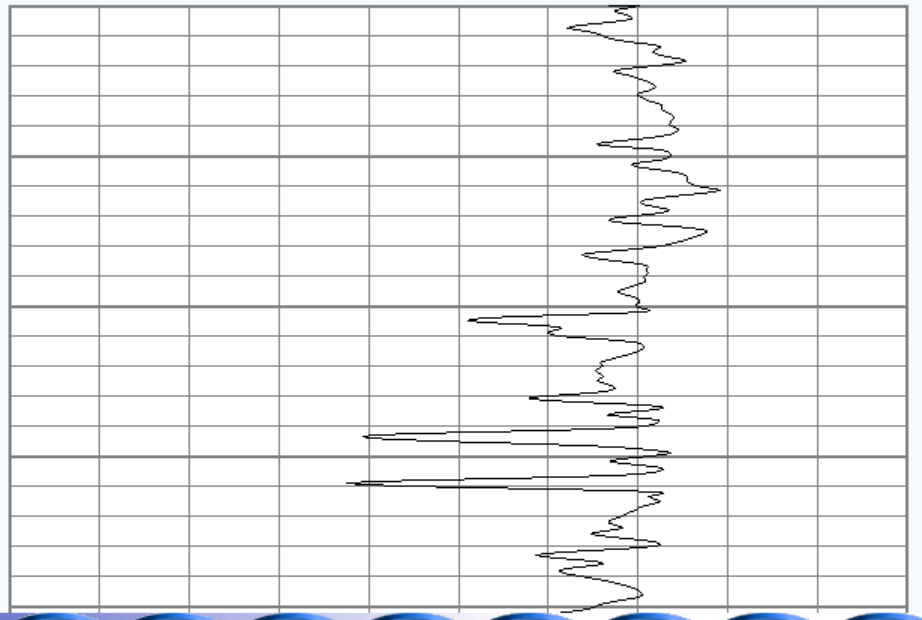
237.9470 908.5260



SuperView

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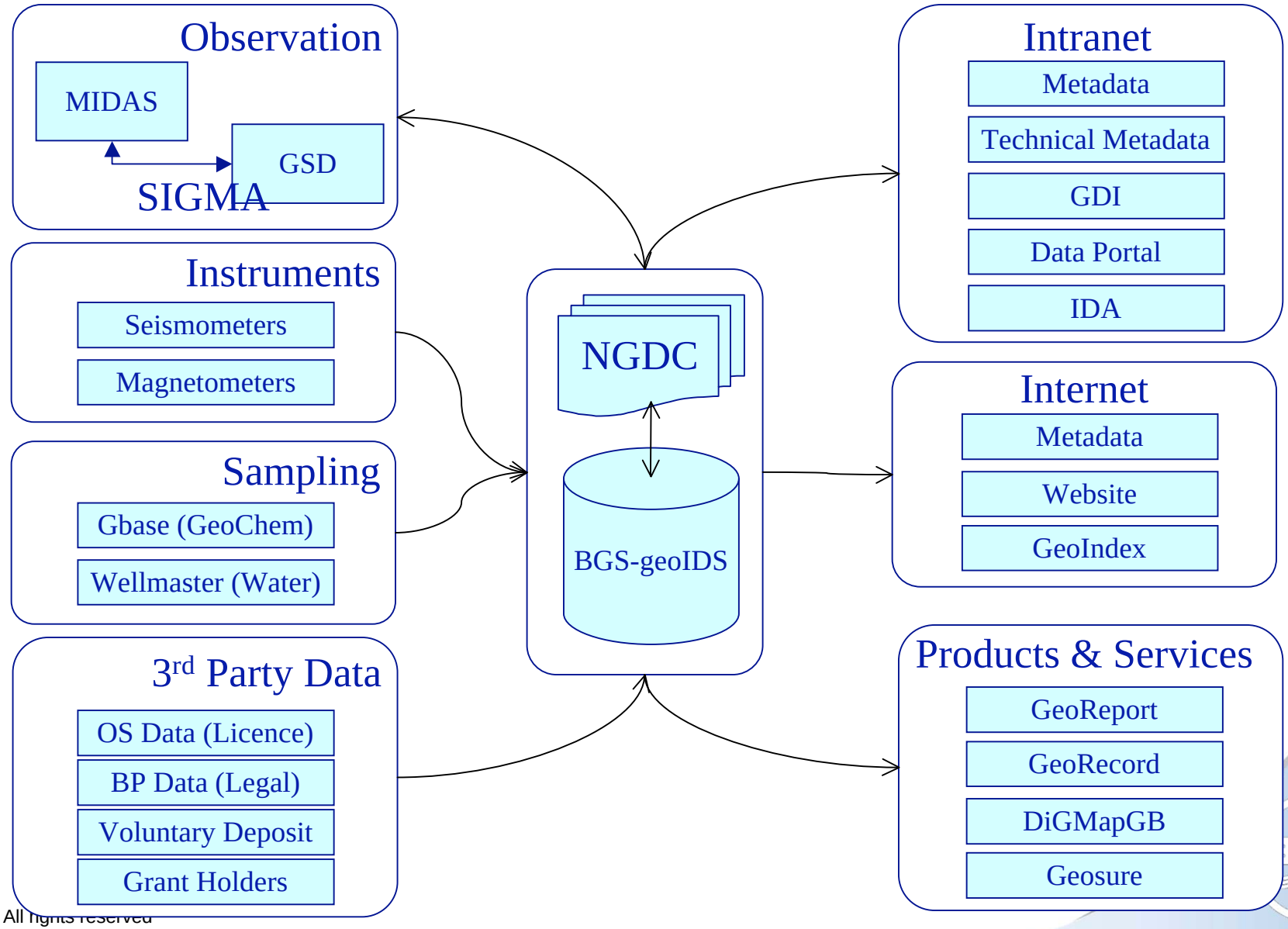
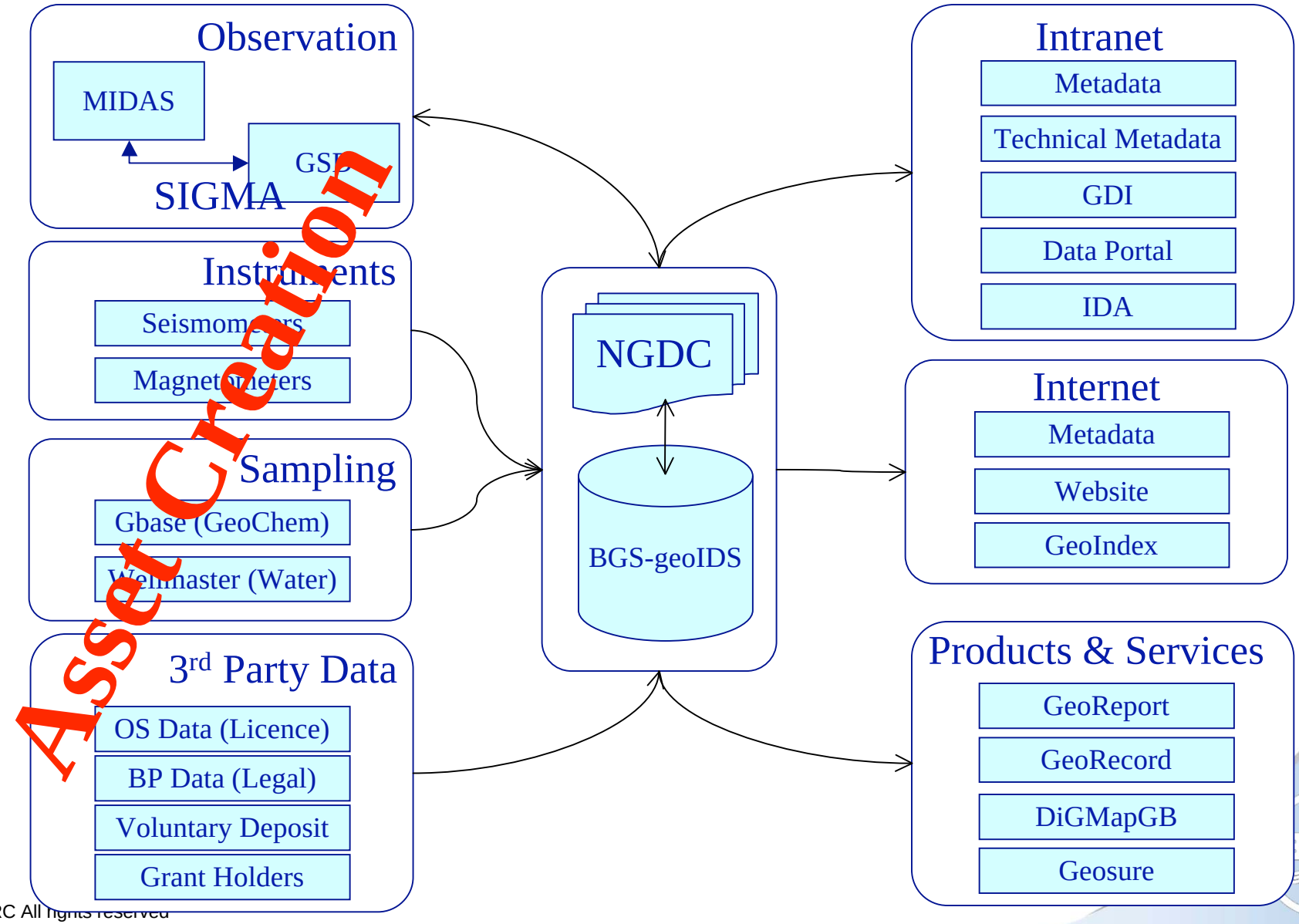
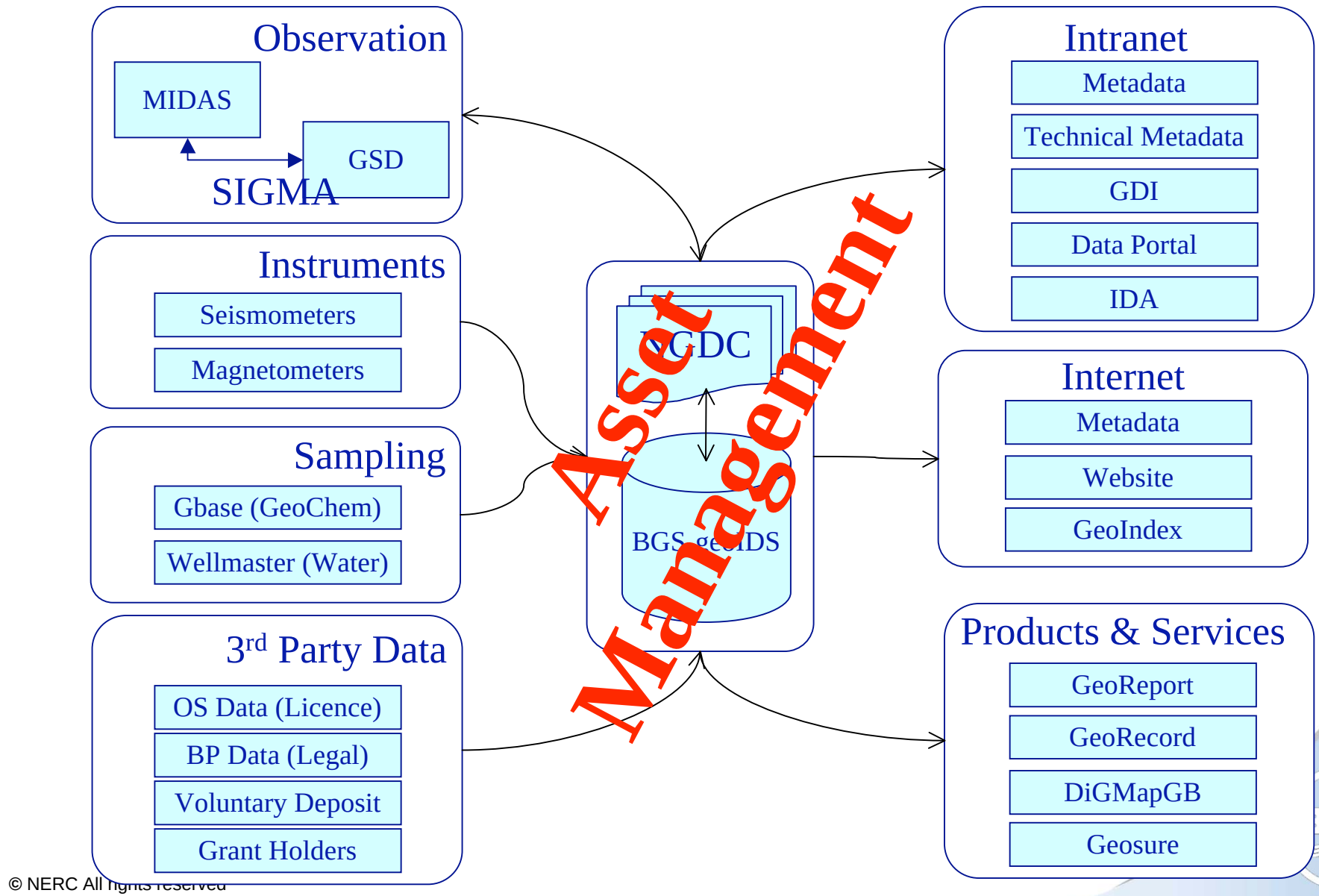
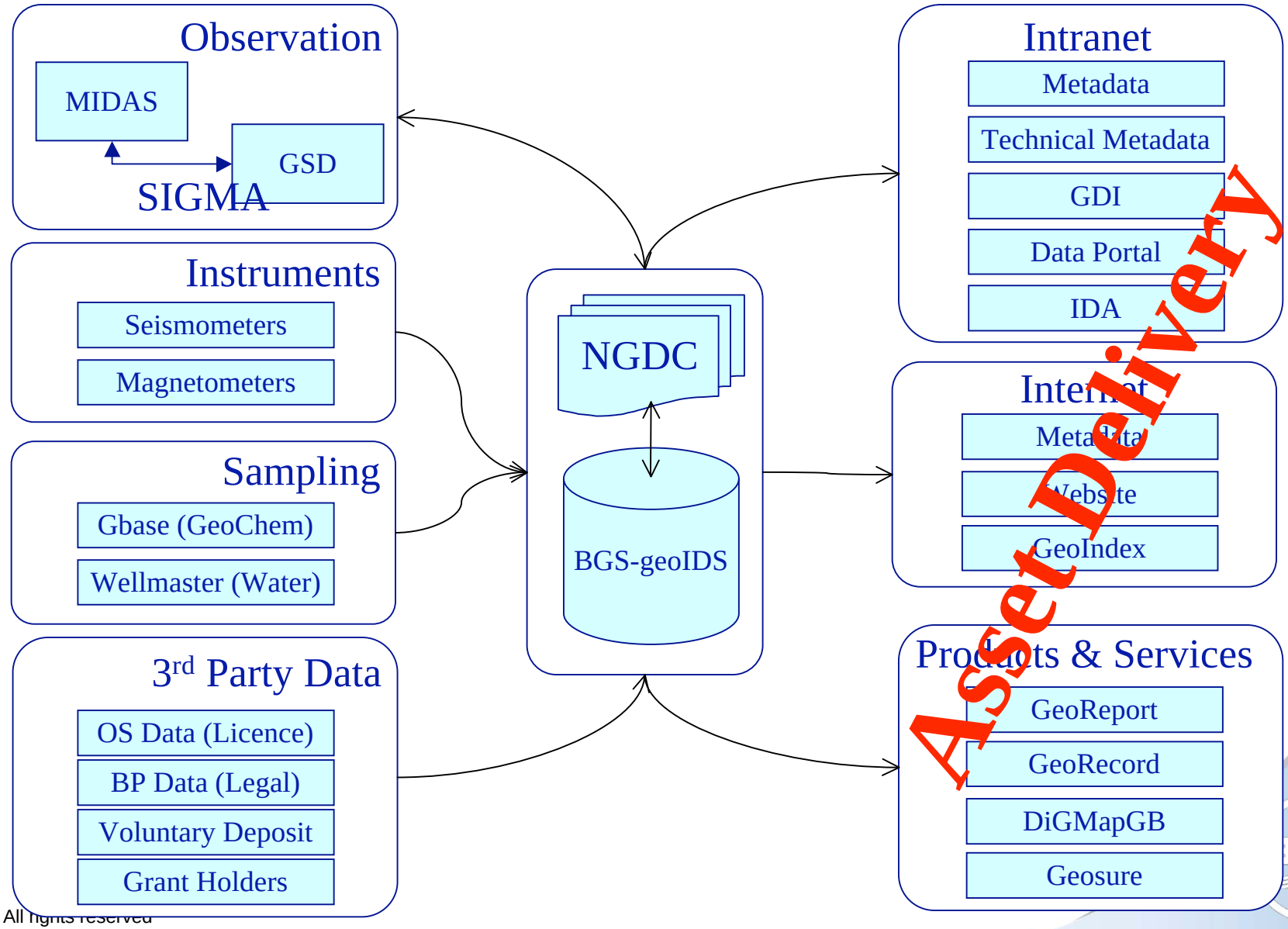
Information Asset Management

- BGS has adopted an asset based approach to information management
  - Manager appointed for each dataset
  - Metadata compiled for each dataset
  - Data management plan compiled for each dataset
  - Develop management procedures as appropriate
  - IPR Protected

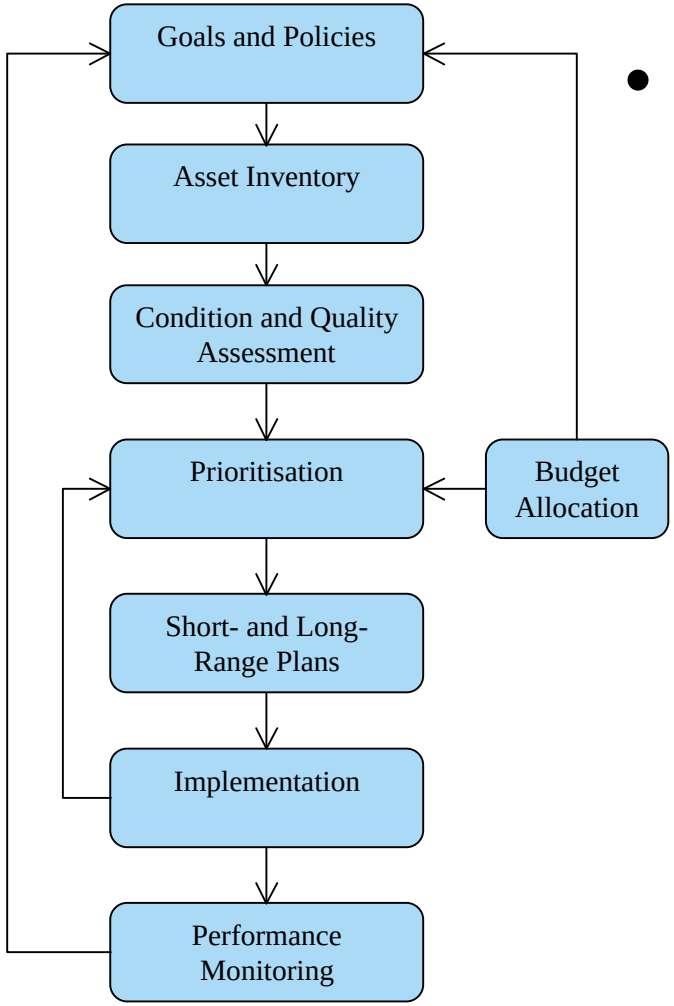








Information Asset Management Primer



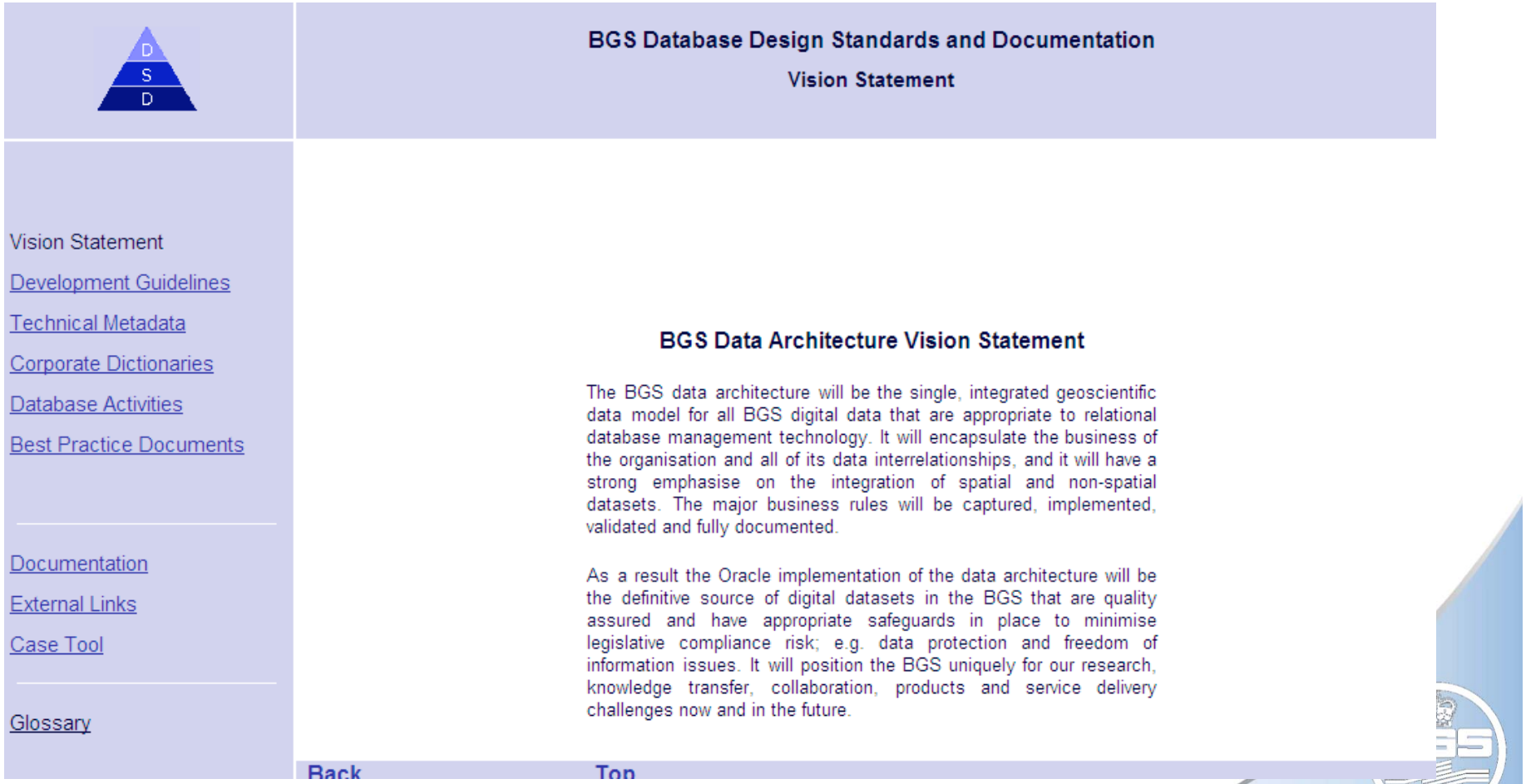
- Some of the Key Questions
  - What is the **goal** of managing these assets?
  - What is included in the **inventory** of assets?
  - What is the **purpose** of the asset?
  - What is the **quality** of the asset?
  - What is the **lineage** of the asset?
  - How can we **preserve** the asset?
  - How often is the asset **used**?
  - What is the **cost** of preserving the asset?
  - What are the **consequences** of not maintaining the asset?
  - What is the **priority** of the asset?

Derived from: US Department of Transport

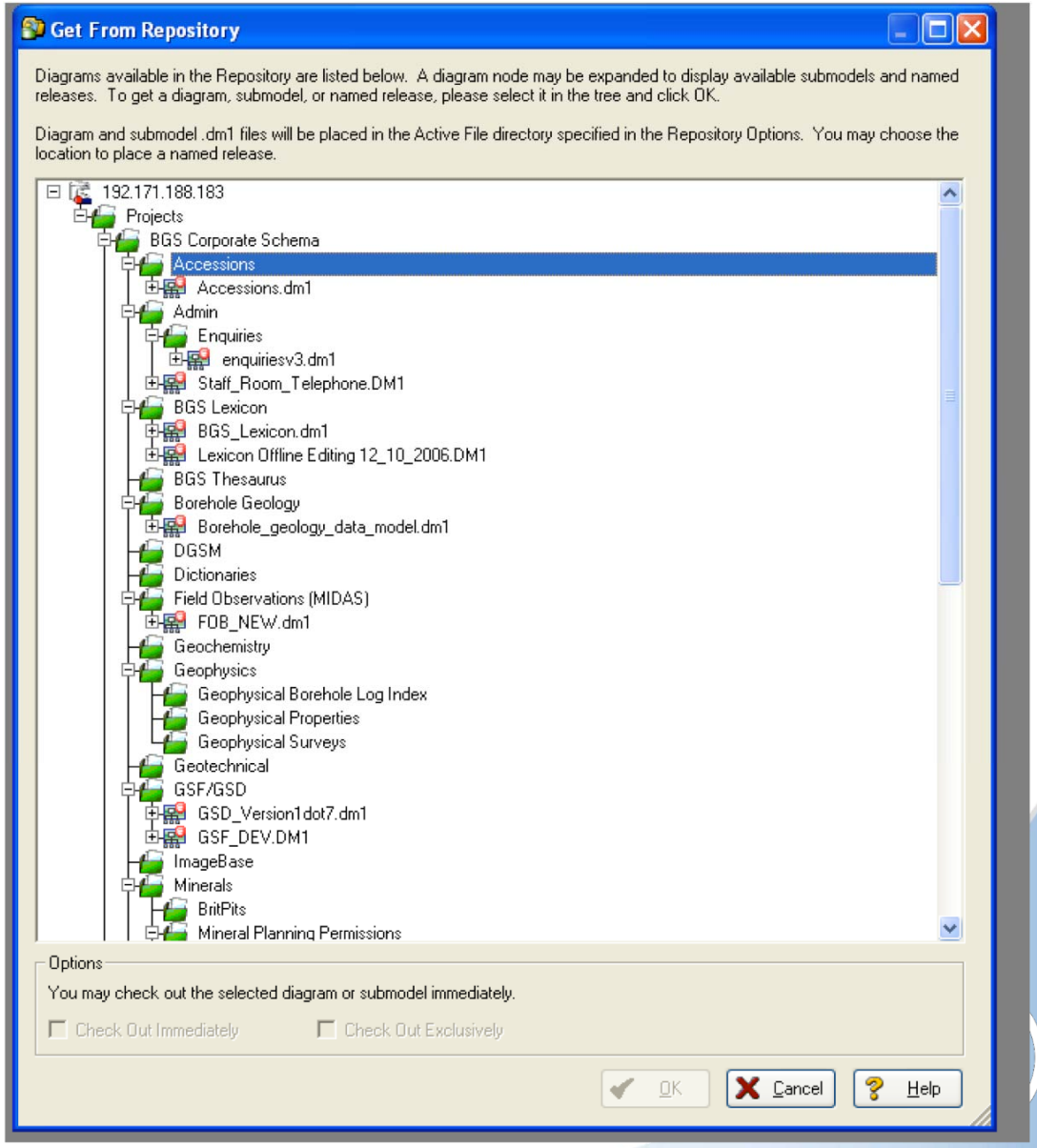
Technical Metadata

- Object is to provide enhanced metadata for the Corporate Oracle® database
- Based around the concept of ‘Databank’ which is an aggregation of related relational tables and objects
- Reverse engineer physical model of databanks
- Identifies missing relationships and other orphaned database objects in the data architecture for action
- Documents the roles of key staff
  - Data curator (understands the information content)
  - Application manager (understands the database design and relationships)

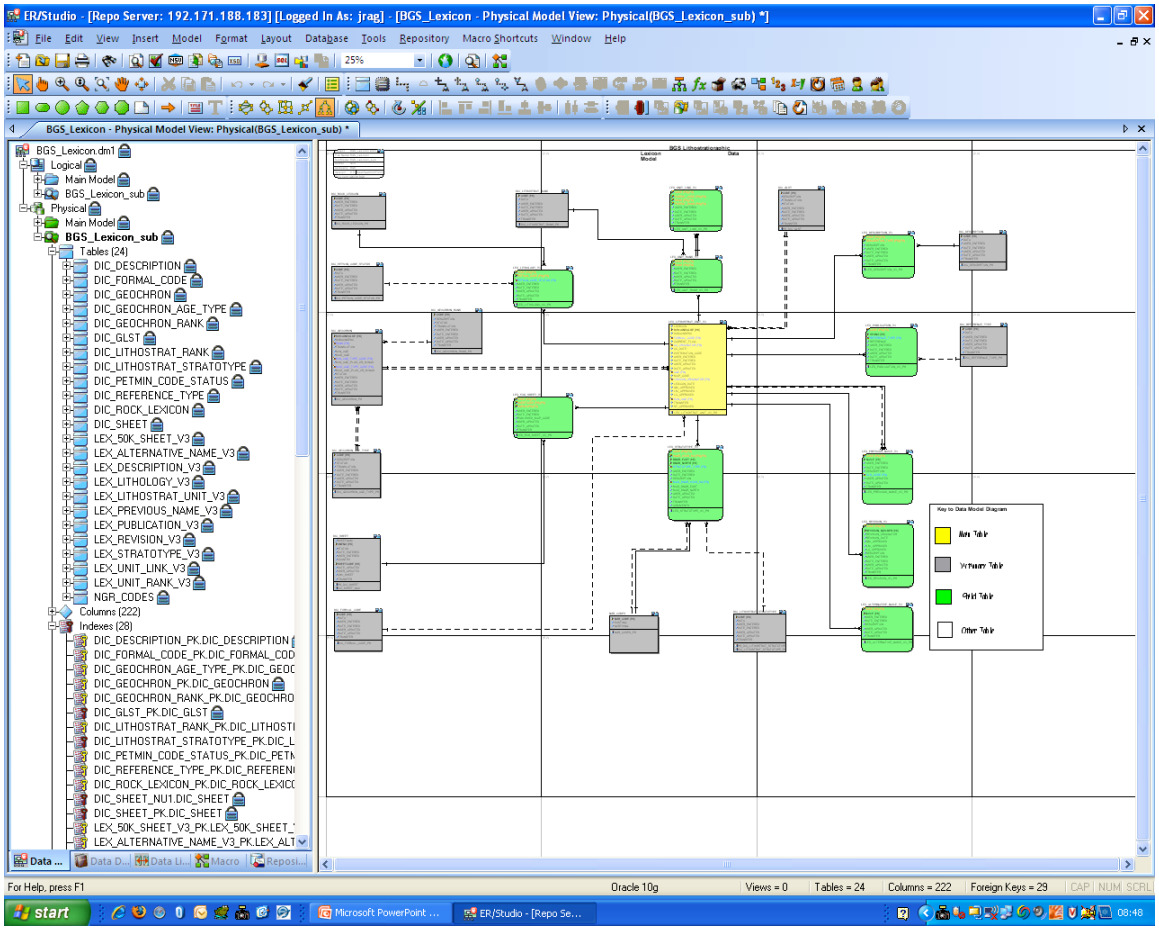
Vision Statement

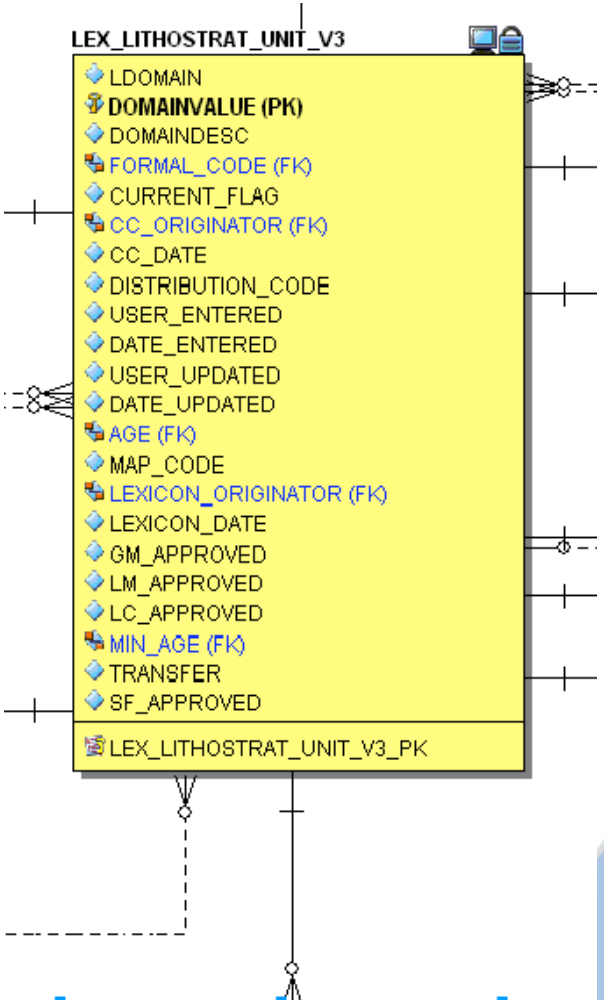


ER Studio Data Model Repository



BGS Lexicon Model





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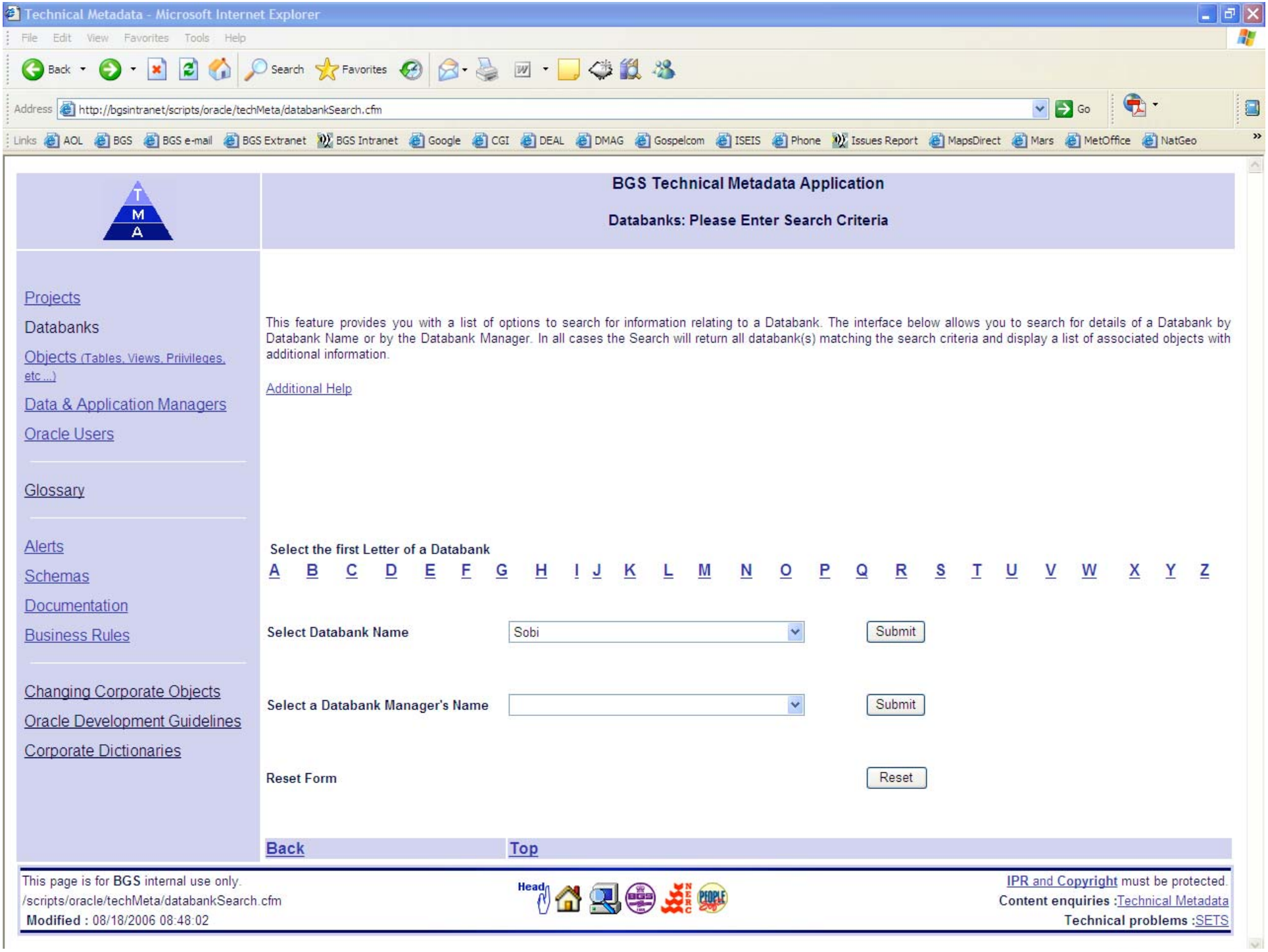
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Databanks: Please Enter Search Criteria
Projects
Databanks
Objects (Tables, Views, Priivileges, etc ...)
Data & Application Managers
Oracle Users
Glossary
Alerts
Schemas
Documentation
Business Rules
Changing Corporate Objects
Oracle Development Guidelines
Corporate Dictionaries
This feature provides you with a list of options to search for information relating to a Databank. The interface below allows you to search for details of a Databank by Databank Name or by the Databank Manager. In all cases the Search will return all databank(s) matching the search criteria and display a list of associated objects with additional information.
Additional Help
Select the first Letter of a Databank
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Select Databank Name
Sobi
Submit
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T M A

BGS Technical Metadata Application

Databanks Found: 1 : with associated Objects.

Projects

Databanks

Objects (Tables, Views, Priivileges, etc ...)

Data & Application Managers

Oracle Users

Glossary

Alerts

Schemas

Documentation

Business Rules

Changing Corporate Objects

Oracle Development Guidelines

Corporate Dictionaries

Databank:	Sobi
Project(s):	Corporate Records
Databank Manager:	Rod Bowie (RCB)
Databank Type:	M
Databank Class:	Indexing
ER Diagram:	Open Entity Relationship Diagram
Description:	SOBI is the short name for the SINGLE ONSHORE BOREHOLE INDEX. These tables contain index level data on the existence and location of onshore boreholes within the UK, notified to BGS. The information held includes a uniquely assigned registration number for each borehole, together with the National Grid coordinates representing its position, as well as the name of the comapany or organisation drilling the borehole, the purpose of the borehole, and its confidentiality rating.

Object (57 found)	Type	Owner	Location
QS_TO_NGR	Procedure	BGS	KW
SOBI_P1	Procedure	BGS	KW
SOBI_P2	Procedure	BGS	KW
SOBI_P3	Procedure	BGS	KW
DIC_1_10K_COORDS	Table	BGS	KW + MH + WL
DIC_BHDR	Table	BGS	KW + MH + WL
DIC_COMP	Table	BGS	KW + MH + WL
DIC_COND	Table	BGS	KW + MH + WL
DIC_DIRTYCODE	Table	BGS	KW + MH + WL
DIC_DMTH	Table	BGS	KW + MH + WL
DIC_EDAT	Table	BGS	KW + MH + WL
DIC_INCL	Table	BGS	KW + MH + WL
DIC_LOCAT	Table	BGS	KW + MH + WL
DIC_MGT	Table	BGS	KW + MH + WL
DIC_NGAC	Table	BGS	KW + MH
DIC_NGPR	Table	BGS	KW + MH + WL
DIC_ODPR	Table	BGS	KW + MH + WL
DIC_PURP	Table	BGS	KW + MH + WL
DIC_RTTY	Table	BGS	KW + MH + WL
DIC_XYSOURCE	Table	BGS	KW + MH + WL
EAST_ANGLIA	Table	BGS	KW
GHS_SOBI_EXTENSION_KW	Table	BGS	KW

T M A

BGS Technical Metadata Application

Databanks Found: 1 : with associated Objects.

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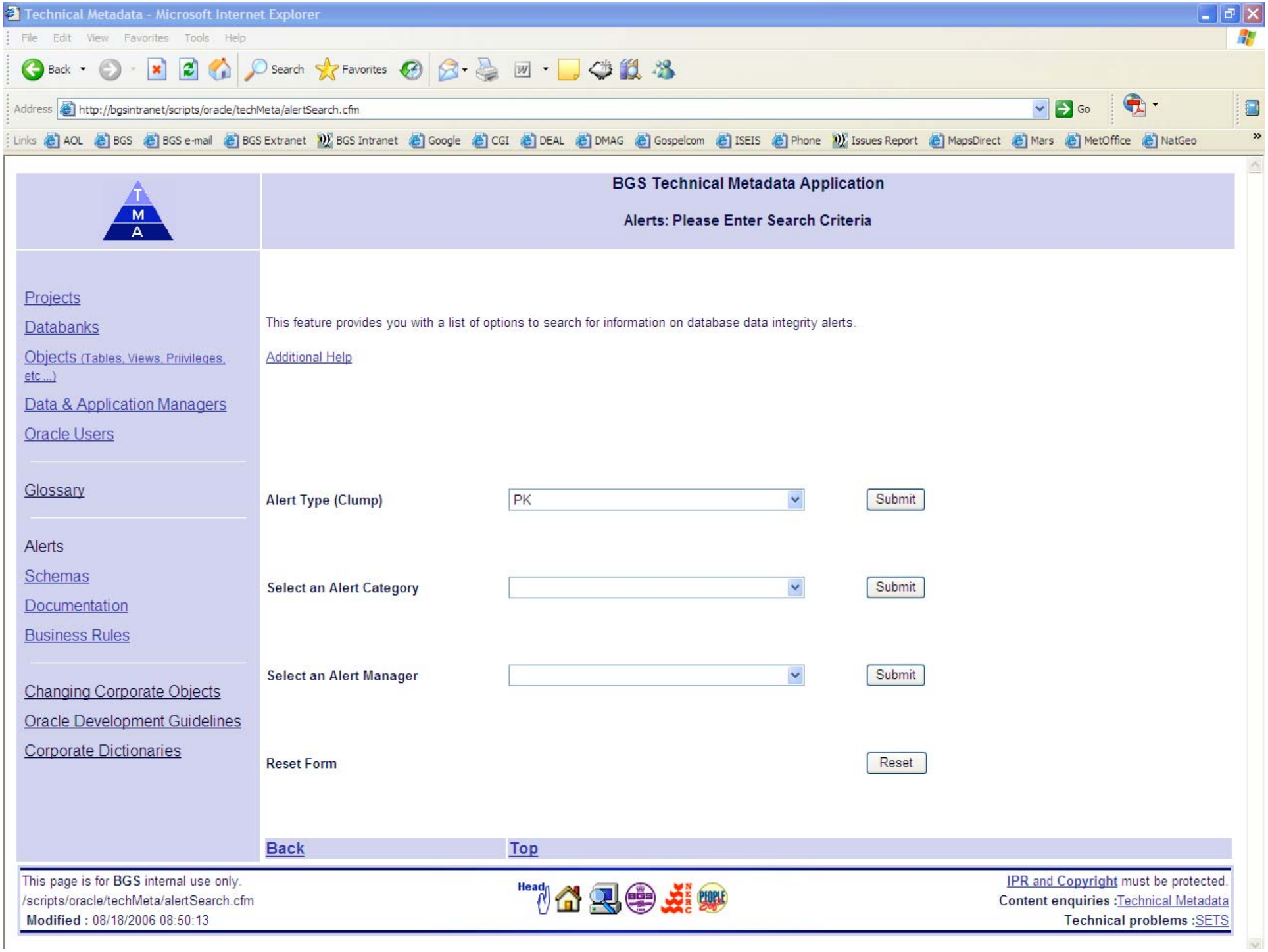
SOBI_P2	Procedure	BGS	KW
SOBI_P3	Procedure	BGS	KW
DIC_1_10K_COORDS	Table	BGS	KW + MH + WL
DIC_BHDR	Table	BGS	KW + MH + WL
DIC_COMP	Table	BGS	KW + MH + WL
DIC_COND	Table	BGS	KW + MH + WL
DIC_DIRTYCODE	Table	BGS	KW + MH + WL
DIC_DMTH	Table	BGS	KW + MH + WL
DIC_EDAT	Table	BGS	KW + MH + WL
DIC_INCL	Table	BGS	KW + MH + WL
DIC_LOCAT	Table	BGS	KW + MH + WL
DIC_MGT	Table	BGS	KW + MH + WL
DIC_NGAC	Table	BGS	KW + MH
DIC_NGPR	Table	BGS	KW + MH + WL
DIC_ODPR	Table	BGS	KW + MH + WL
DIC_PURP	Table	BGS	KW + MH + WL
DIC_RTTY	Table	BGS	KW + MH + WL
DIC_XYSOURCE	Table	BGS	KW + MH + WL
EAST_ANGLIA	Table	BGS	KW
GHS_SOBI_EXTENSION_KW	Table	BGS	KW

Schema:	BGS
Object:	SOBI
Type:	Table
Databank:	Borehole Geology
Databank:	Britrocks
Databank:	Sobi
Data Administrator:	Rod Bowie (RCB)
Applications Manager:	Andrew Riddick (ATR)

Clear, Documented Responsibilities

Every database object has an assigned Data Administrator and an Applications Manager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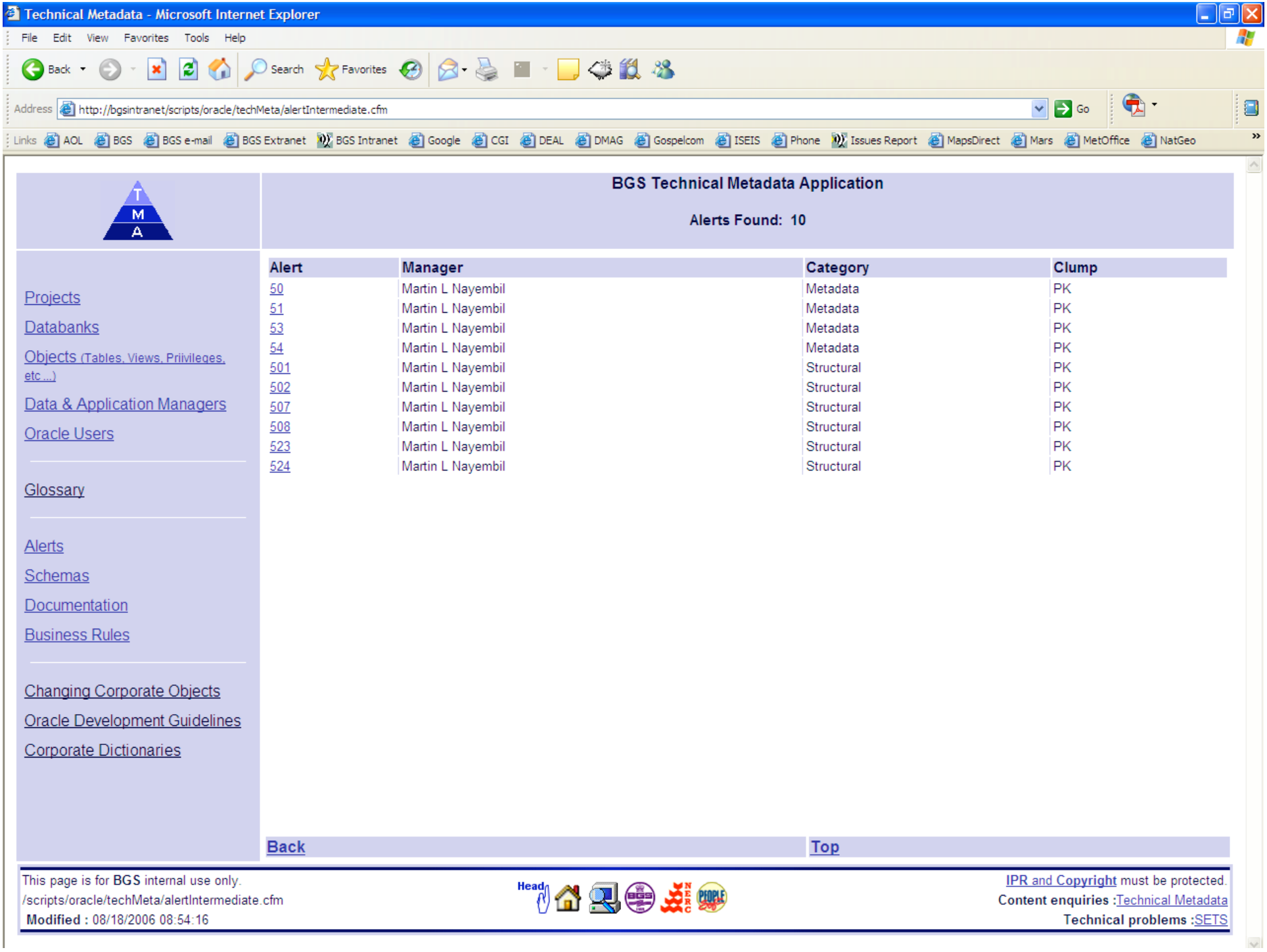
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Alert Manager Category Clump
50 Martin L Nayembil Metadata PK
51 Martin L Nayembil Metadata PK
53 Martin L Nayembil Metadata PK
54 Martin L Nayembil Metadata PK
501 Martin L Nayembil Structural PK
502 Martin L Nayembil Structural PK
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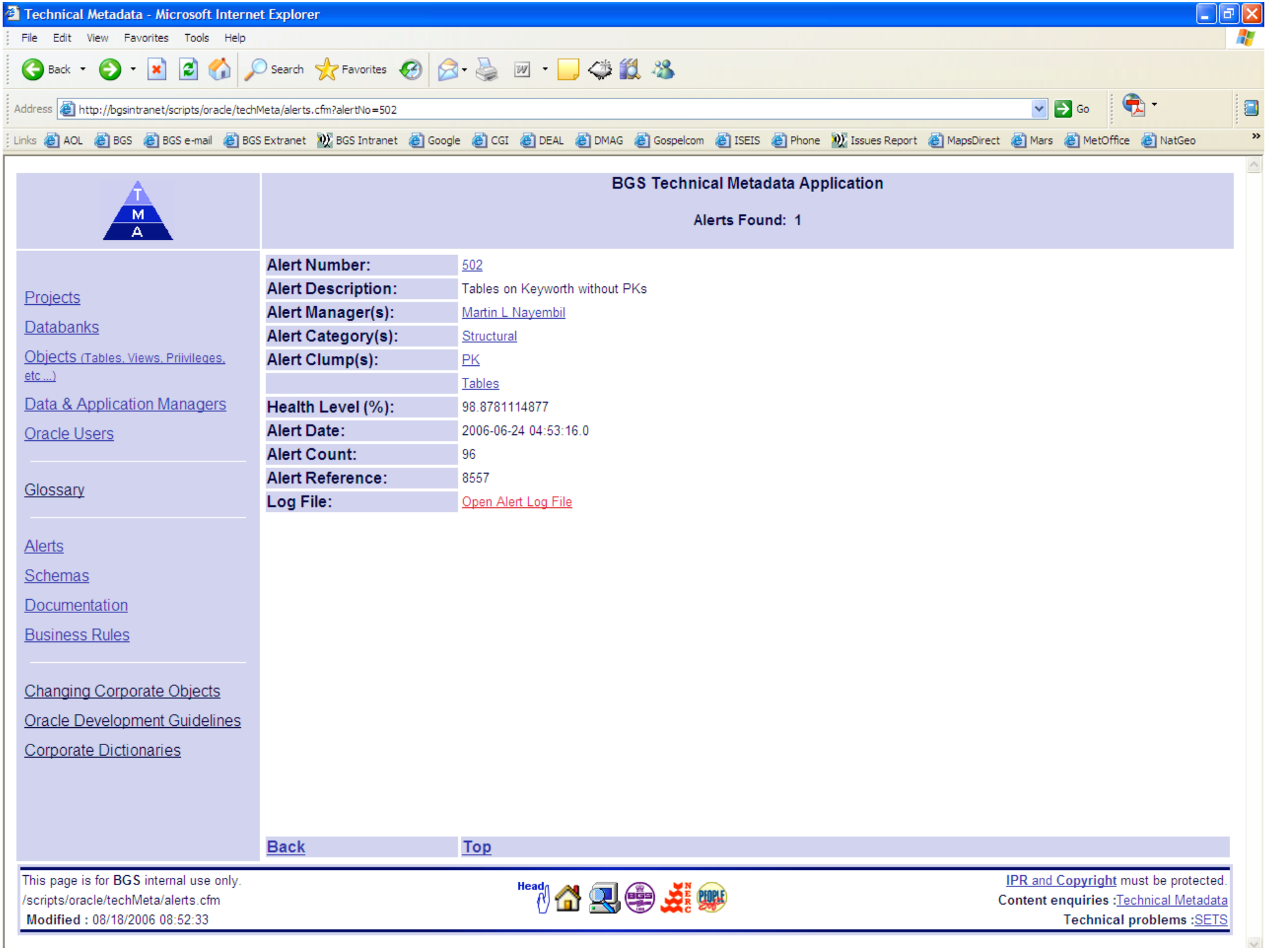
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Oracle Development Guidelines
Corporate Dictionaries
Alert Number: 502
Alert Description: Tables on Keyworth without PKs
Alert Manager(s): Martin L Nayembil
Alert Category(s): Structural
Alert Clump(s): PK
Tables
Health Level (%): 98.8781114877
Alert Date: 2006-06-24 04:53:16.0
Alert Count: 96
Alert Reference: 8557
Log File: Open Alert Log File
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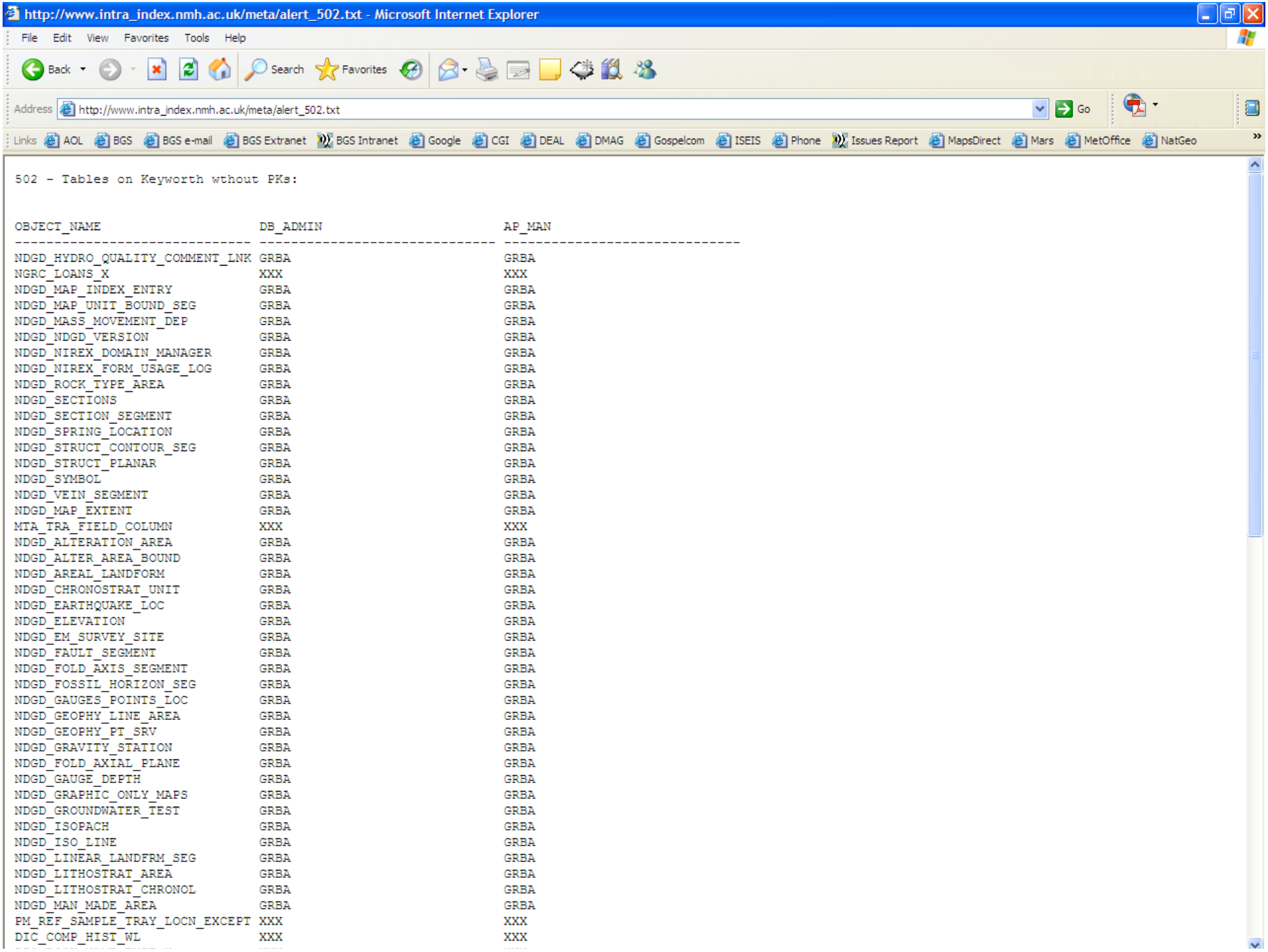

502 - Tables on Keyworth wthout PKs:

OBJECT_NAME	DB_ADMIN	AP_MAN
NDGD_HYDRO_QUALITY_COMMENT_LNK	GRBA	GRBA
NGRC_LOANS_X	XXX	XXX
NDGD_MAP_INDEX_ENTRY	GRBA	GRBA
NDGD_MAP_UNIT_BOUND_SEG	GRBA	GRBA
NDGD_MASS_MOVEMENT_DEP	GRBA	GRBA
NDGD_NDGD_VERSION	GRBA	GRBA
NDGD_NIREX_DOMAIN_MANAGER	GRBA	GRBA
NDGD_NIREX_FORM_USAGE_LOG	GRBA	GRBA
NDGD_ROCK_TYPE_AREA	GRBA	GRBA
NDGD_SECTIONS	GRBA	GRBA
NDGD_SECTION_SEGMENT	GRBA	GRBA
NDGD_SPRING_LOCATION	GRBA	GRBA
NDGD_STRUCT_CONTOUR_SEG	GRBA	GRBA
NDGD_STRUCT_PLANAR	GRBA	GRBA
NDGD_SYMBOL	GRBA	GRBA
NDGD_VEIN_SEGMENT	GRBA	GRBA
NDGD_MAP_EXTENT	GRBA	GRBA
MTA_TRA_FIELD_COLUMN	XXX	XXX
NDGD_ALTERATION_AREA	GRBA	GRBA
NDGD_ALTER_AREA_BOUND	GRBA	GRBA
NDGD_AREAL_LANDFORM	GRBA	GRBA
NDGD_CHRONOSTRAT_UNIT	GRBA	GRBA
NDGD_EARTHQUAKE_LOC	GRBA	GRBA
NDGD_ELEVATION	GRBA	GRBA
NDGD_EM_SURVEY_SITE	GRBA	GRBA
NDGD_FAULT_SEGMENT	GRBA	GRBA
NDGD_FOLD_AXIS_SEGMENT	GRBA	GRBA
NDGD_FOSSIL_HORIZON_SEG	GRBA	GRBA
NDGD_GAUGES_POINTS_LOC	GRBA	GRBA
NDGD_GEOPHY_LINE_AREA	GRBA	GRBA
NDGD_GEOPHY_PT_SRV	GRBA	GRBA
NDGD_GRAVITY_STATION	GRBA	GRBA
NDGD_FOLD_AXIAL_PLANE	GRBA	GRBA
NDGD_GAUGE_DEPTH	GRBA	GRBA
NDGD_GRAPHIC_ONLY_MAPS	GRBA	GRBA
NDGD_GROUNDWATER_TEST	GRBA	GRBA
NDGD_ISOPACH	GRBA	GRBA
NDGD_ISO_LINE	GRBA	GRBA
NDGD_LINEAR_LANDFRM_SEG	GRBA	GRBA
NDGD_LITHOSTRAT_AREA	GRBA	GRBA
NDGD_LITHOSTRAT_CHRONOL	GRBA	GRBA
NDGD_MAN_MADE_AREA	GRBA	GRBA
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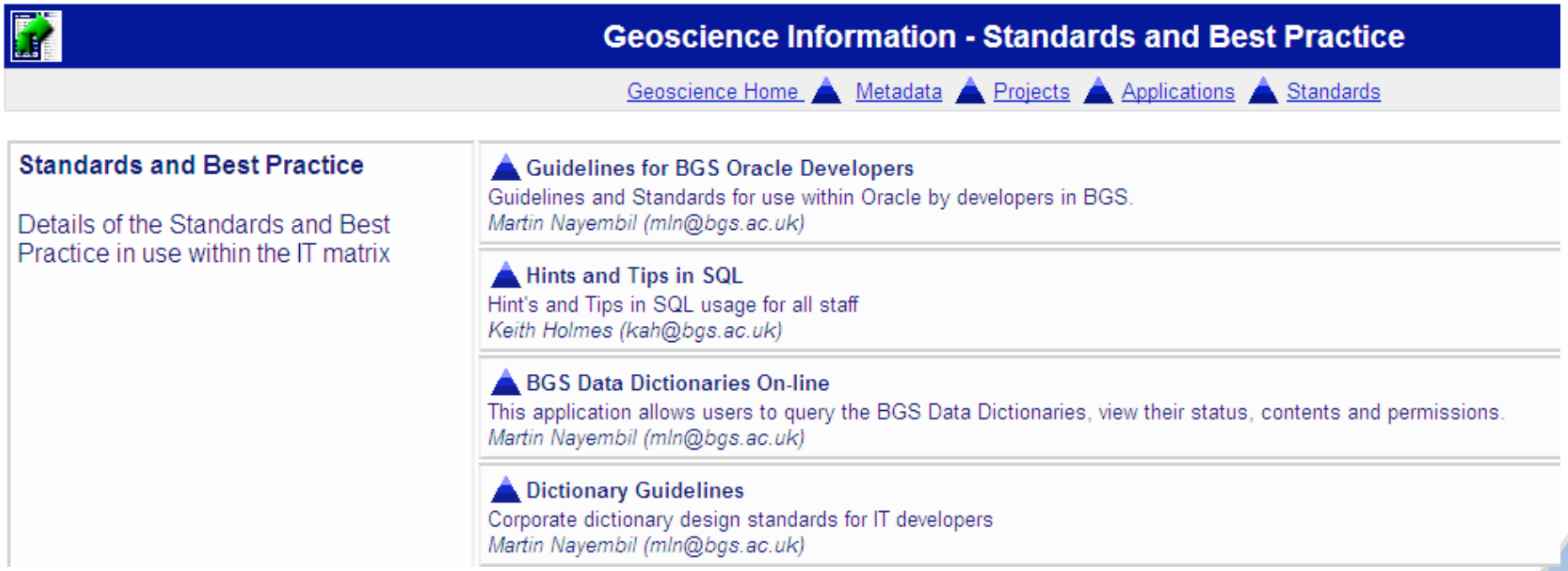
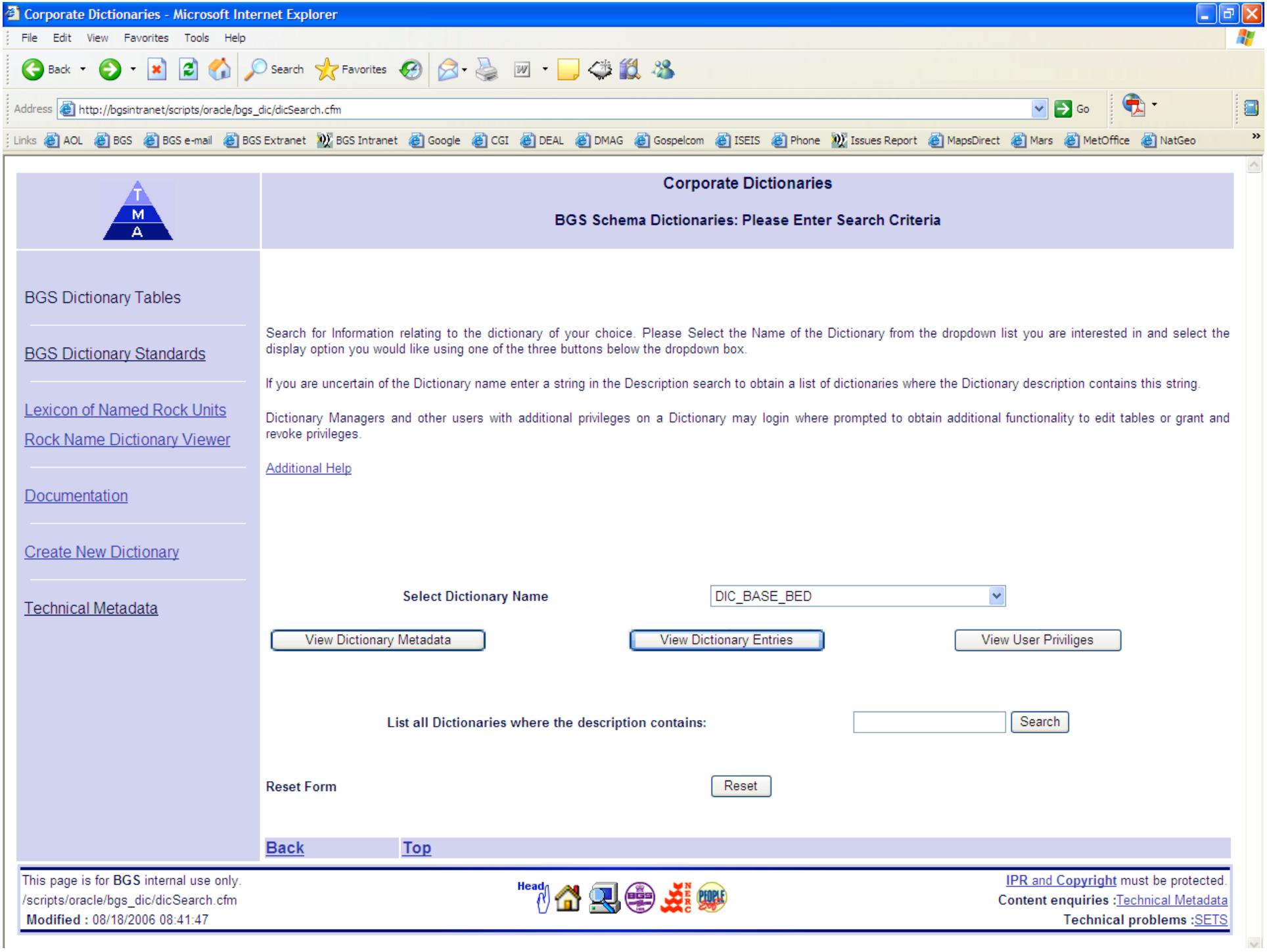
DIC_COMP_HIST_WL	XXX	XXX

Data Standards

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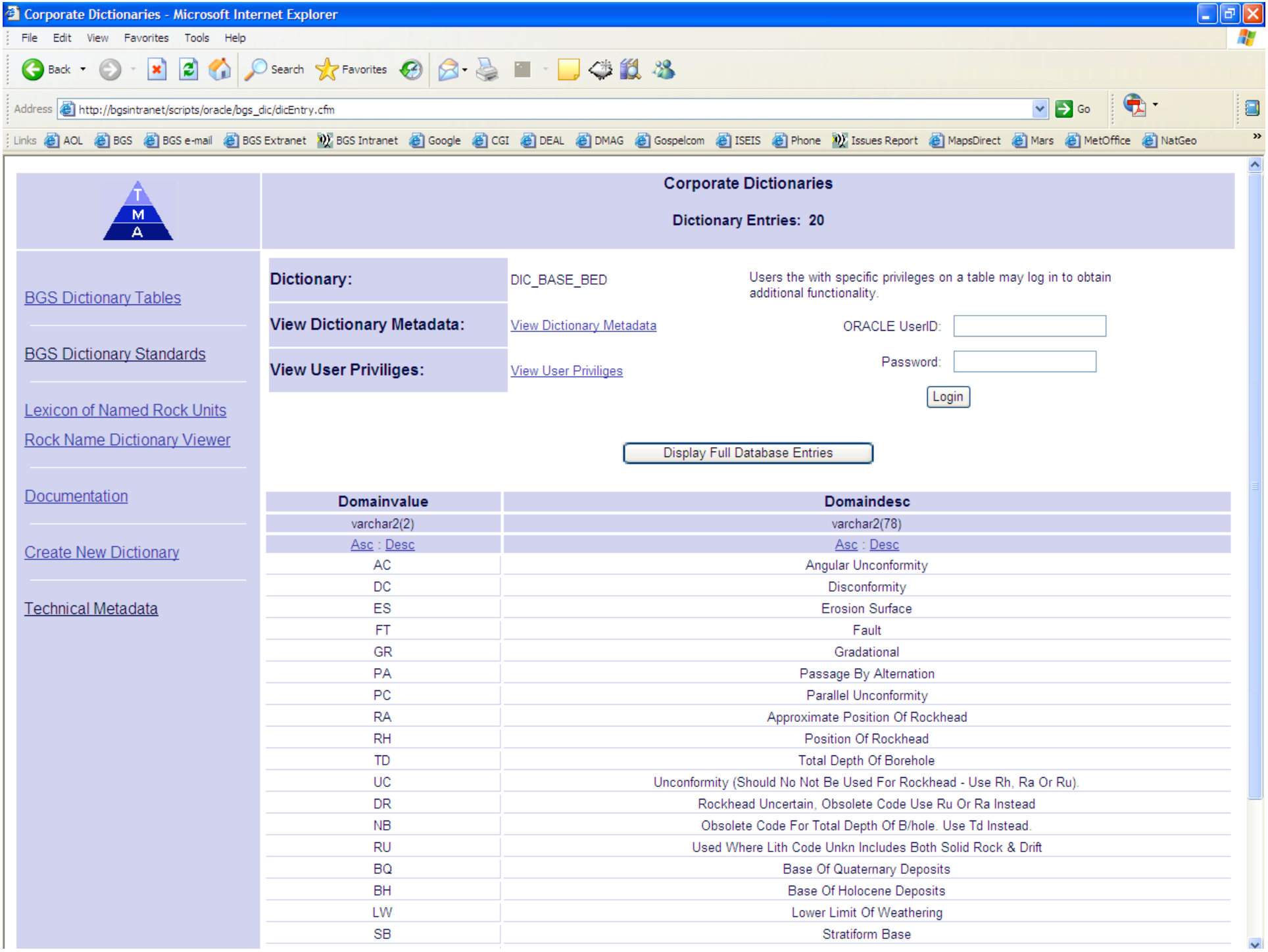
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Lexicon of Named Rock Units
Rock Name Dictionary Viewer
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Technical Metadata
Dictionary: DIC_BASE_BED
View Dictionary Metadata: View Dictionary Metadata
View User Priviliges: View User Priviliges
Users the with specific privileges on a table may log in to obtain additional functionality.
ORACLE UserID:
Password:
Login
Display Full Database Entries
Domainvalue
Domaindesc
varchar2(2)
varchar2(78)
Asc : Desc
Asc : Desc
AC Angular Unconformity
DC Disconformity
ES Erosion Surface
FT Fault
GR Gradational
PA Passage By Alternation
PC Parallel Unconformity
RA Approximate Position Of Rockhead
RH Position Of Rockhead
TD Total Depth Of Borehole
UC Unconformity (Should No Not Be Used For Rockhead - Use Rh, Ra Or Ru).
DR Rockhead Uncertain, Obsolete Code Use Ru Or Ra Instead
NB Obsolete Code For Total Depth Of B/hole. Use Td Instead.
RU Used Where Lith Code Unkn Includes Both Solid Rock & Drift
BQ Base Of Quaternary Deposits
BH Base Of Holocene Deposits
LW Lower Limit Of Weathering
SB Stratiform Base

T M A

Corporate Dictionaries

Privileges Found: 9

BGS Dictionary Tables

BGS Dictionary Standards

Lexicon of Named Rock Units

Rock Name Dictionary Viewer

Documentation

Create New Dictionary

Technical Metadata

Oracle Table Name:	DIC_BASE_BED
View Dictionary Metadata:	View Dictionary Metadata
View Dictionary Entries:	View Dictionary Entries

Users the with specific privileges on a table may log in to obtain additional functionality.

ORACLE UserID:

Password:

Login

User		has Privilege	Granted By		and may Also Grant Privilege
DJLO	David Lowe	DELETE	BGS	Martin Nayembil	YES
DJLO	David Lowe	INSERT	BGS	Martin Nayembil	YES
DJLO	David Lowe	UPDATE	BGS	Martin Nayembil	YES
GSI	Keith Holmes	DELETE	PDBE	Patrick Bell	NO
GSI	Keith Holmes	INSERT	PDBE	Patrick Bell	NO
GSI	Keith Holmes	SELECT	PDBE	Patrick Bell	NO
GSI	Keith Holmes	UPDATE	PDBE	Patrick Bell	NO
HJB	Hazel Baxendale	SELECT	JRG	John Gibson	NO
PUBLIC	All Staff	SELECT	BGS	Martin Nayembil	YES

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KEY ROLES

- Data Architect
- Application Architect
- Records Manager
- Archives Manager
- Collections Manager
- Information Manager






QUESTIONS

- Web addresses
  - http://www.bgs.ac.uk
  - http://www.bgs.ac.uk/geoindex
  - http://www.thebgs.co.uk/shop/home.cfm
  - http://www.bgs.ac.uk/discoverymetadata/home.html
- E-mail address
  - Enquires@bgs.ac.uk