The Coal Authority

Summary of findings

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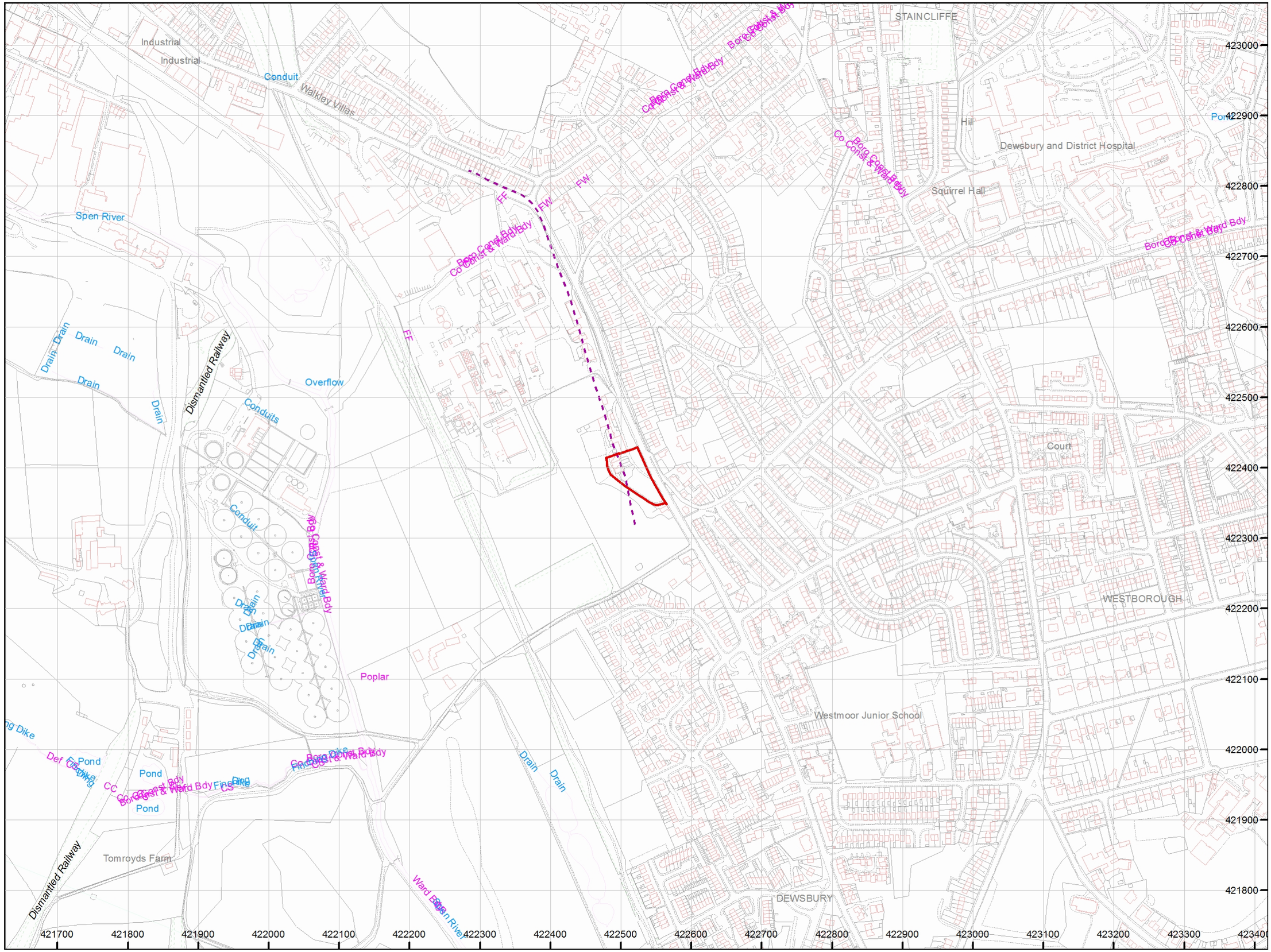
The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown

Outcrop (Conjectured)



How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com

APPENDIX D – BGS BOREHOLE SECTION SHEETS

F

British Geological Survey

HYDROGEOLOGY RESEARCH GROUP

CENTRAL LS
NORTH EAST E.A.

SE22/40

Form WR-38 (BGS)

BORE HOLE RECORD

77

SE22/SW 509

A SITE DETAILS			
Borehole drilled for	MORTON INTERNATIONAL		
Location	DEWSBURY MOOR - DEWSBURY		
NGR (8 fig.)	SE 226 224	Please attach site plan	
Ground Level (if known)			
Drilling Company	MALMAC CONSTRUCTION / PEAK WATER WELLS		
Date of Drilling	Commenced 12-7-96	Completed 2-8-96	

B CONSTRUCTION DETAILS

Borehole Datum (if not ground level) GL above / m below GL

(point from which all measurements of depth are taken e.g. flange, edge of chamber, etc.)

Borehole drilled diameter	374	mm from	0	to	8 m/depth
	254	mm from	8	to	11 m/depth
	200	mm from	11	to	61 m/depth
Casing material STEEL diameter and type (e.g. if plain steel, plastic slotted)	254	mm from	0	to	8.00 m/depth
diameter	203	mm from	0	to	11.00 m/depth
diameter		mm from		to	m/depth
diameter		mm from		to	m/depth

Grouting details: ANNULUS GROUTED

Water struck at: 18.28 m (depth below datum — mbd)

30.78 m (depth below datum — mbd)

Rest water level on completion: 17.78 mbd

C TEST PUMPING SUMMARY (Please supply full details on Forms WR-39)

Test Pumping Datum (if different from borehole datum): 0.30 m above / below ~~borehole datum (mbd)~~

Pump Suction depth: 40.00 mbd

Water Level (Start of Test): 17.78 mbd

Water Level (End of Test): 21.64 mbd

Pumping rate: 1000.8 m³/d ~~l/s~~

for 72 ~~days~~/hours

Recovery to (from end of pumping): mbd in mins: hrs: days

Date(s) of measurements: 19/8/96

Please supply chemical Analysis if available.

RECEIVED N.G.D.C.
DATE 5.7.97
SIG: Redacted

NGDC ACCESSION NUMBER 28111

British Geological Survey

HYDROGEOLOGY RESEARCH GROUP

CENTRAL LS
NORTH EAST E.A.

SE22/40

Form WR-38 (BGS)

BORE HOLE RECORD

77

SE22/SW

A SITE DETAILS			
Borehole drilled for	MORTON INTERNATIONAL		
Location	DEWSBURY MOOR - DEWSBURY		
NGR (8 fig.)	SE 226 224	Please attach site plan	
Ground Level (if known)			
Drilling Company	MALMAC CONSTRUCTION / PLANT WATER WELLS		
Date of Drilling	Commenced 12-7-96	Completed 2-8-96	

B CONSTRUCTION DETAILS

Borehole Datum (if not ground level) GL above / m below GL

(point from which all measurements of depth are taken e.g. flange, edge of chamber, etc.)

Borehole drilled diameter	374	mm from	0	to	8	m/depth
	254	mm from	8	to	11	m/depth
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Casing material STEEL diameter and type (e.g. if plain steel, plastic slotted)	254	mm from	0	to	8.00	m/depth
diameter	203	mm from	0	to	11.00	m/depth
diameter		mm from		to		m/depth
diameter		mm from		to		m/depth

Grouting details ANNULUS GROUTED

Water struck at 18.28 m (depth below datum — mbd)

30-78 m (depth below datum — mbd)

Rest water level on completion 17.98 mbd

C TEST PUMPING SUMMARY (Please supply full details on Forms WR-39)

Test Pumping Datum (if different from borehole datum)	0-30	m	above / below borehole datum (mbd)
Pump Suction depth	40.00	mbd	
Water Level (Start of Test)	17.78	mbd	
Water Level (End of Test)	21.64	mbd	
Pumping rate	1000.8	m^3/d ~~l/s~~	
for	72	~~days~~ hours	
Recovery to (from end of pumping)	mbd	in	mins: hrs: days
Date(s) of measurements	19/8/96		

Please supply chemical Analysis if available.

D STRATA LOG

Geological Classification (BGS only)	Description of strata	Thickness ~~ft~~ m	Depth m
	CLAY	1.80	1.80
	MUDSTONE	7.90	9.70
	" (Broken ground)	0.35	10.05
	MUDSTONE	6.1	16.15
	SANDSTONE	2.13	18.28
	MUDSTONE	7.01	25.29
	COAL	0.31	25.60
	SANDSTONE	4.87	30.47
	COAL	0.31	30.78
	SANDSTONE	10.67	41.45
	MUDSTONE	10.35	51.80
	SANDSTONE	3.67	55.47
	MUDSTONE	0.53	56.00
	COAL	0.38	56.38
	MUDSTONE	0.10	56.48
	SANDSTONE	4.52	61.00

(continue on separate page if necessary)

Other comments (e.g. gas encountered, saline water intercepted, etc.)

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FILE ..... CONSENT NO. ..... NGS REF NO. .....

LIC NO. ..... PURPOSE ..... NRA REF NO. .....

DATE REC: COPY TO: ENTERED BY:

British Geological Survey

D STRATA LOG

Geological Classification (BGS only)	Description of strata	Thickness ~~ft~~ m	Depth m
Drift	CLAY	1.80	1.80
Lower Coal Measures	MUDSTONE	7.90	9.70
	" (Broken ground)	0.35	10.05
	MUDSTONE	6.1	16.15
Aquifer: Lower Coal Measures (Clifton Rock?)	SANDSTONE	2.13	18.28
	MUDSTONE	7.01	25.29
	COAL	0.31	25.60
	SANDSTONE	4.87	30.47
	COAL	0.31	30.78
CR 26/2/99	Cl. (Clifton Rock?) SANDSTONE	10.67	41.45
	MUDSTONE	10.35	51.80
	SANDSTONE	3.67	55.47
	MUDSTONE	0.53	56.00
	COAL	0.38	56.38
	MUDSTONE	0.10	56.48
	SANDSTONE	4.52	61.00

(continue on separate page if necessary)

Other comments (e.g. gas encountered, saline water intercepted, etc.)

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