

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Fenay Beck, /Dalton/Nab Hillrd Fenay Beck 01 Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 5th February 1990 Incident Reference: 107439 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	802	2	417500 417300
26	<b>Pollution Incidents to Controlled Waters</b> Property Type: Farm Location: Huddersfld/Source Colne Afl Authority: Environment Agency, North East Region Pollutant: Silage Liquor Note: Not Supplied Incident Date: 11th June 1991 Incident Reference: 123189 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	811	2	417300 417900
27	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Fenay Beck, /Dalton/Nab Hillrd Fenay Beck 01 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 21st May 1990 Incident Reference: 110816 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	870	2	417500 417200
28	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Industrial Effluent Note: Not Supplied Incident Date: 12th May 1992 Incident Reference: 132937 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	880	2	417400 417300
28	<b>Pollution Incidents to Controlled Waters</b> Property Type: Construction/Demolition Location: Fenay Beck, /Dalton/Nab Hillrd Fenay Beck 01 Authority: Environment Agency, North East Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 28th May 1990 Incident Reference: 111031 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	883	2	417400 417295
29	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other General Premises Location: Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Fish Killed: No Information; Colne Afl Incident Date: 28th June 1995 Incident Reference: SL950699 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	914	2	417700 417000

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30	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Woodsome/Source Fenay Beck Afu Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 20th February 1992 Incident Reference: 130615 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	943	2	417405 417195
30	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Fenay Bridge Road Authority: Environment Agency, North East Region Pollutant: Oils - Waste Oil Note: Not Supplied Incident Date: 2nd December 1991 Incident Reference: 128610 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	943	2	417400 417200
30	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Storm Overflow Location: Roundwood Beck, Albany Road, HUDDERSFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 28th March 1997 Incident Reference: SL970395 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	946	2	417400 417195
31	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial: Other Location: Track - Albany Road/Long Lane, Fenay Beck, HUDDERSFIELD Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Watercourse :River Calder; From Spen Beck To Batley Beck Incident Date: Not Supplied Incident Reference: SL980091 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	963	2	417300 417300
	<b>River Quality</b> Name: Fenay_Beck/Shepley_Dike GQA Grade: River Quality B Reach: Woodsome_Rd_Ox_Field_Bec Estimated Distance (km): 2.6 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A7SE (SW)	882	2	417696 417038
	<b>River Quality</b> Name: Fenay_Beck/Shepley_Dike GQA Grade: River Quality B Reach: Ox_Field_Beck_River_Coln Estimated Distance (km): 1.4 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A7SW (SW)	883	2	417546 417140

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32	<b>River Quality Biology Sampling Points</b> Name: Fenay Beck Reach: Ox Field Beck To River Colne Estimated Distance: 1.40 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2005 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2006 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2007 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2008 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2009 GQA Grade: River Quality Biology GQA Grade E - Poor	A7SW (SW)	893	2	417576 417103
33	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 11th January 2008 Incident Reference: 555198 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Specific Waste Materials/Electrical Equipment	A7NE (SW)	682	2	417651 417315
34	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 27th April 2003 Incident Reference: 154301 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A7SE (SW)	753	2	417835 417115
34	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 22nd June 2007 Incident Reference: 506247 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Suspended Solids	A7SE (SW)	758	2	417853 417103
35	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 16th September 2004 Incident Reference: 266884 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A7SE (SW)	852	2	417619 417122
36	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 17th January 2007 Incident Reference: 462525 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Inert Materials And Wastes: Soils And Clay	A14SE (E)	869	2	419257 417726

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37	<b>Water Abstractions</b> Operator: Huddersfield Fine Worsteds Ltd Licence Number: 2/27/11/172 Permit Version: 101 Location: Borehole - Millstone Grit - Kirkheaton Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kirkheaton Mills, Kirkheaton, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th May 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (W)	110	2	418000 417800
37	<b>Water Abstractions</b> Operator: Huddersfield Fine Worsteds Licence Number: 2/27/11/172 Permit Version: 100 Location: Borehole - Millstone Grit - Kirkheaton Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 163 Yearly Rate (m3): 25000 Details: Kirkheaton Mills, Kirkheaton, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th October 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (W)	110	2	418000 417800
38	<b>Water Abstractions</b> Operator: Huddersfield Fine Worsteds Ltd Licence Number: 2/27/11/039 Permit Version: 102 Location: Spring - Kirkheaton Mills Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kirkheaton Mills, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th May 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (W)	129	2	418000 417900
38	<b>Water Abstractions</b> Operator: Huddersfield Fine Worsteds Ltd (Branch Of Morris & Co Ltd) Licence Number: 2/27/11/039 Permit Version: 100 Location: Spring Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 180 Yearly Rate (m3): 44005 Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th September 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (W)	129	2	418000 417900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	<b>Water Abstractions</b> Operator: Huddersfield Fine Worsteds Ltd (Branch Of Morris & Co Ltd) Licence Number: 2/27/11/039 Permit Version: 100 Location: Spring - Kirkheaton Mills Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th September 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	129	2	418000 417900
39	<b>Water Abstractions</b> Operator: Jarmain & Son Ltd Licence Number: 2/27/11/041 Permit Version: Not Supplied Location: Minerva Works, Crossley Lane, Kirkheaton, HUDDERSFIELD Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 436 Yearly Rate (m3): 27276 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	744	2	417500 417395
	<b>Water Abstractions</b> Operator: Jarmain & Sons Ltd Licence Number: 2/27/11/040 Permit Version: Not Supplied Location: Minerva Works, Crossley Lane, Kirkheaton, HUDDERSFIELD Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 2073 Yearly Rate (m3): 322766 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NE (SW)	1096	2	417700 416800
	<b>Water Abstractions</b> Operator: Total Fitness 2010 Ltd Licence Number: 2/27/11/188 Permit Version: 3 Location: Borehole - Lower Coal Measures - Huddersfield Authority: Environment Agency, North East Region Abstraction: Sports Grounds/Facilities: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Total Fitness Uk Limited, Wakefield Road, Waterloo, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th February 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SE (S)	1452	2	417880 416380

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	<b>Water Abstractions</b> Operator: Total Fitness Uk Ltd Licence Number: 2/27/11/188 Permit Version: 2 Location: Borehole - Lower Coal Measures - Huddersfield Authority: Environment Agency, North East Region Abstraction: Sports Grounds/Facilities: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Total Fitness Uk Limited, Wakefield Road, Waterloo, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th July 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SE (S)	1452	2	417880 416380
	<b>Water Abstractions</b> Operator: Total Fitness Uk Ltd Licence Number: 2/27/11/188 Permit Version: 1 Location: Borehole - Lower Coal Measures - Huddersfield Authority: Environment Agency, North East Region Abstraction: Sports Grounds/Facilities: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Total Fitness Uk Limited, Wakefield Road, Waterloo, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th July 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SE (S)	1452	2	417880 416380
	<b>Water Abstractions</b> Operator: Syngenta Ltd Licence Number: 2/27/11/060 Permit Version: 103 Location: Borehole 1 - Millstone Grit - Huddersfield Authority: Environment Agency, North East Region Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd June 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1454	2	416690 418150
	<b>Water Abstractions</b> Operator: Syngenta Ltd Licence Number: 2/27/11/060 Permit Version: 103 Location: Borehole 1 - Millstone Grit - Huddersfield Authority: Environment Agency, North East Region Abstraction: Chemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd June 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1454	2	416690 418150

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	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/060  Permit Version: 102  Location: Borehole 1 - Millstone Grit - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 12th October 2006  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A11NW (W)	1454	2	416690 418150
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/060  Permit Version: 102  Location: Borehole 1 - Millstone Grit - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Chemicals: Process Water  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 12th October 2006  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A11NW (W)	1454	2	416690 418150
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/060  Permit Version: 101  Location: Borehole 1 - Millstone Grit - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I., Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 19th December 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A11NW (W)	1454	2	416690 418150
	<p><b>Water Abstractions</b></p> <p>Operator: Zeneca Fine Chemical Manufacturing Organisation  Licence Number: 2/27/11/060  Permit Version: 100  Location: Borehole X4 - Carboniferous Millstone Grit  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints  Source: Groundwater  Daily Rate (m3): 6001  Yearly Rate (m3): 881924  Details: I.C.I., Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 27th January 1966  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A11NW (W)	1454	2	416690 418150

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	<p><b>Water Abstractions</b></p> <p>Operator: Zeneca Fine Chemical Manufacturing Organisation  Licence Number: 2/27/11/060  Permit Version: 100  Location: Borehole 1 - Carboniferous Millstone Grit - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I., Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 27th January 1966  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A11NW (W)	1454	2	416690 418150
	<p><b>Water Abstractions</b></p> <p>Operator: Total Fitness Health Clubs Ltd  Licence Number: 2/27/11/188/R01  Permit Version: 1  Location: Borehole - Lower Coal Measures - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Sports Grounds/Facilities: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Total Fitness Uk Limited, Wakefield Road, Waterloo, Huddersfield  Authorised Start: 01 April  Authorised End: 31 March  Permit Start Date: 1st April 2015  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A2SE (S)	1459	2	417876 416373
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 102  Location: River Colne &amp; Tributaries - Point 1 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th July 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A11NW (W)	1461	2	416690 418180
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 102  Location: River Colne &amp; Tributaries - Point 1 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th July 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A11NW (W)	1461	2	416690 418180

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	<b>Water Abstractions</b> Operator: Syngenta Ltd Licence Number: 2/27/11/059 Permit Version: 101 Location: River Colne & Tributaries - Point 1 - Dalton Works Authority: Environment Agency, North East Region Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1461	2	416690 418180
	<b>Water Abstractions</b> Operator: Syngenta Ltd Licence Number: 2/27/11/059 Permit Version: 101 Location: River Colne & Tributaries - Point 1 - Dalton Works Authority: Environment Agency, North East Region Abstraction: Chemicals: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1461	2	416690 418180
	<b>Water Abstractions</b> Operator: Zeneca Fine Chemical Manufacturing Organisation Licence Number: 2/27/11/059 Permit Version: 100 Location: River Colne & Tribs - Dalton Works Huddersfield - Point 1 Authority: Environment Agency, North East Region Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1461	2	416690 418180
	<b>Water Abstractions</b> Operator: Zeneca Fine Chemical Manufacturing Organisation Licence Number: 2/27/11/059 Permit Version: 100 Location: River Colne & Tribs - Dalton Works Huddersfield - Point 1 Authority: Environment Agency, North East Region Abstraction: Chemicals: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1461	2	416690 418180

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	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 102  Location: River Colne And Tributaries Point 3 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th July 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16SW (W)	1514	2	416660 418270
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 102  Location: River Colne And Tributaries Point 3 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th July 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16SW (W)	1514	2	416660 418270
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 101  Location: River Colne And Tributaries Point 3 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 19th December 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16SW (W)	1514	2	416660 418270
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 101  Location: River Colne And Tributaries Point 3 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 19th December 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16SW (W)	1514	2	416660 418270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Zeneca Fine Chemical Manufacturing Organisation Licence Number: 2/27/11/059 Permit Version: 100 Location: River Colne - Dalton Works Huddersfield Authority: Environment Agency, North East Region Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 120000 Yearly Rate (m3): 40000000 Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16SW (W)	1514	2	416660 418270
	<b>Water Abstractions</b> Operator: Zeneca Fine Chemical Manufacturing Organisation Licence Number: 2/27/11/059 Permit Version: 100 Location: River Colne & Tribs - Dalton Works Huddersfield - Point 3 Authority: Environment Agency, North East Region Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (W)	1514	2	416660 418270
	<b>Water Abstractions</b> Operator: Zeneca Fine Chemical Manufacturing Organisation Licence Number: 2/27/11/059 Permit Version: 100 Location: River Colne & Tribs - Dalton Works Huddersfield - Point 3 Authority: Environment Agency, North East Region Abstraction: Chemicals: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (W)	1514	2	416660 418270
	<b>Water Abstractions</b> Operator: Zeneca Fine Chemical Manufacturing Organisation Licence Number: 2/27/11/059 Permit Version: 100 Location: River Colne Authority: Environment Agency, North East Region Abstraction: Chemicals: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (W)	1514	2	416660 418270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 102  Location: River Colne &amp; Tributaries - Point 2 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th July 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16SW (W)	1519	2	416690 418370
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 102  Location: River Colne &amp; Tributaries - Point 2 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th July 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16SW (W)	1519	2	416690 418370
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 101  Location: River Colne &amp; Tributaries - Point 2 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 19th December 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16SW (W)	1519	2	416690 418370
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 101  Location: River Colne &amp; Tributaries - Point 2 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 19th December 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16SW (W)	1519	2	416690 418370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Zeneca Fine Chemical Manufacturing Organisation Licence Number: 2/27/11/059 Permit Version: 100 Location: River Colne & Tribs - Dalton Works Huddersfield - Point 2 Authority: Environment Agency, North East Region Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (W)	1519	2	416690 418370
	<b>Water Abstractions</b> Operator: Zeneca Fine Chemical Manufacturing Organisation Licence Number: 2/27/11/059 Permit Version: 100 Location: River Colne & Tribs - Dalton Works Huddersfield - Point 2 Authority: Environment Agency, North East Region Abstraction: Chemicals: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (W)	1519	2	416690 418370
	<b>Water Abstractions</b> Operator: Yorkshire Water Services Ltd Licence Number: 2/27/11/162 Permit Version: 100 Location: River Colne Authority: Environment Agency, North East Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 200 Yearly Rate (m3): 15000 Details: Yorkshire Water Plc Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd March 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SE (NW)	1640	2	417200 419200
	<b>Water Abstractions</b> Operator: Syngenta Ltd Licence Number: 2/27/11/059 Permit Version: 102 Location: River Colne & Tributaries - Point 4 - Dalton Works Authority: Environment Agency, North East Region Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th July 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1659	2	416830 418890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 102  Location: River Colne &amp; Tributaries - Point 4 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th July 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16NW (NW)	1659	2	416830 418890
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 101  Location: River Colne &amp; Tributaries - Point 4 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 19th December 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16NW (NW)	1659	2	416830 418890
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 101  Location: River Colne &amp; Tributaries - Point 4 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 19th December 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16NW (NW)	1659	2	416830 418890
	<p><b>Water Abstractions</b></p> <p>Operator: Zeneca Fine Chemical Manufacturing Organisation  Licence Number: 2/27/11/059  Permit Version: 100  Location: River Colne &amp; Tribs - Dalton Works Huddersfield - Point 4  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 12th April 1985  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16NW (NW)	1659	2	416830 418890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Zeneca Fine Chemical Manufacturing Organisation  Licence Number: 2/27/11/059  Permit Version: 100  Location: River Colne &amp; Tribs - Dalton Works Huddersfield - Point 4  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 12th April 1985  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A16NW (NW)	1659	2	416830 418890
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/060  Permit Version: 103  Location: Borehole 2 - Millstone Grit - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Chemicals: Process Water  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 23rd June 2017  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1778	2	416370 418200
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/060  Permit Version: 103  Location: Borehole 2 - Millstone Grit - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 23rd June 2017  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1778	2	416370 418200
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/060  Permit Version: 102  Location: Borehole 2 - Millstone Grit - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 12th October 2006  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1778	2	416370 418200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/060  Permit Version: 102  Location: Borehole 2 - Millstone Grit - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Chemicals: Process Water  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 12th October 2006  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1778	2	416370 418200
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/060  Permit Version: 101  Location: Borehole 2 - Millstone Grit - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I., Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 19th December 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1778	2	416370 418200
	<p><b>Water Abstractions</b></p> <p>Operator: Zeneca Fine Chemical Manufacturing Organisation  Licence Number: 2/27/11/060  Permit Version: 100  Location: Borehole 2 - Carboniferous Millstone Grit - Huddersfield  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I., Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 27th January 1966  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1778	2	416370 418200
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 102  Location: River Colne And Tributaries - Point 5 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th July 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1845	2	416330 418320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 102  Location: River Colne And Tributaries - Point 5 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 25th July 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1845	2	416330 418320
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 101  Location: River Colne And Tributaries - Point 5 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 19th December 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1845	2	416330 418320
	<p><b>Water Abstractions</b></p> <p>Operator: Syngenta Ltd  Licence Number: 2/27/11/059  Permit Version: 101  Location: River Colne And Tributaries - Point 5 - Dalton Works  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 19th December 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1845	2	416330 418320
	<p><b>Water Abstractions</b></p> <p>Operator: Zeneca Fine Chemical Manufacturing Organisation  Licence Number: 2/27/11/059  Permit Version: 100  Location: River Colne &amp; Tribs - Dalton Works Huddersfield - Point 5  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Cooling (Existing Licences Only) (Low Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: I.C.I Ltd., Dalton Works, Leeds Road, Huddersfield  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 12th April 1985  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(W)	1845	2	416330 418320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Zeneca Fine Chemical Manufacturing Organisation Licence Number: 2/27/11/059 Permit Version: 100 Location: River Colne & Tribs - Dalton Works Huddersfield - Point 5 Authority: Environment Agency, North East Region Abstraction: Chemicals: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: I.C.I. Ltd., Dalton Works, Leeds Road, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1845	2	416330 418320
	<b>Water Abstractions</b> Operator: F Dews Licence Number: 2/27/13/090 Permit Version: 100 Location: Well - Coal Measures - Colnsbridge Bradley Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 233 Details: Boyfe Hall Farm, Colnebridge, Bradley, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th March 1974 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NE)	1909	2	419300 419700
40	<b>Water Industry Act Referrals</b> Name: P Casey (Civil Engineering) Ltd Location: P CASEY (CIVIL ENGINEERING) LTD, LANESIDE QUARRY, LANESIDE ROAD, KIRKHEATON, HUDDERSFIELD, HUDDERSFIELD, HD5 OMT Authority: Environment Agency, North East Region Permit Reference: BG6359 Dated: 19th July 1999 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations <b>Status: Application received by the EA but is not yet authorised</b> Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	652	2	418546 417260
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13SE (SW)	0	2	418270 417910
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13SE (E)	0	2	418274 417910
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13SE (SW)	0	4	418270 417910
	<b>Superficial Aquifer Designations</b> No Data Available				
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
41	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 81.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NE (SE)	358	5	418440 417537
42	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 196.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NE (S)	403	5	418400 417468
43	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 324.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ox Field Beck Catchment Name: Aire and Calder Primacy: 1	A8NE (S)	537	5	418297 417288
44	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 56.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (S)	553	5	418054 417262
45	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NE (S)	577	5	418380 417272
46	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 85.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NE (S)	577	5	418380 417272
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ox Field Beck Catchment Name: Aire and Calder Primacy: 1	A8NE (S)	578	5	418372 417268
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 211.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ox Field Beck Catchment Name: Aire and Calder Primacy: 1	A8NE (S)	581	5	418375 417266

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 42.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NE (S)	586	5	418485 417305
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ox Field Beck Catchment Name: Aire and Calder Primacy: 1	A8SW (S)	603	5	418071 417210
51	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 410.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ox Field Beck Catchment Name: Aire and Calder Primacy: 1	A8SW (S)	613	5	418061 417201
52	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8SW (S)	613	5	418061 417201
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 360.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	626	5	418802 417471
54	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 78.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	637	5	418689 417370
55	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	638	5	418697 417374
56	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 58.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	641	5	418710 417381
57	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	644	5	418766 417419

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 48.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	658	5	418648 417316
59	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 188.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NE (SE)	671	5	418605 417271
60	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 461.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	685	5	419040 417682
61	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 59.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	693	5	419022 417628
62	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	698	5	419022 417624
63	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 31.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	709	5	419058 417665
64	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 70.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	709	5	419058 417665
65	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 465.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ox Field Beck Catchment Name: Aire and Calder Primacy: 1	A8SE (S)	750	5	418518 417141
66	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 0.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	759	5	419122 417680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	760	5	419122 417680
68	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	764	5	419127 417682
69	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	777	5	419146 417692
70	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 120.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12NW (W)	782	5	417338 417965
71	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Ox Field Beck Catchment Name: Aire and Calder Primacy: 1	A7SE (SW)	787	5	417740 417122
72	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 21.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	788	5	419159 417694
73	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 439.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ox Field Beck Catchment Name: Aire and Calder Primacy: 1	A7SE (SW)	800	5	417727 417114
74	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	805	5	419180 417700
75	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 23.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	811	5	419187 417702

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	832	5	419208 417698
77	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 56.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	833	5	417277 417894
78	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	837	5	419213 417698
79	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 41.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	847	5	419223 417697
80	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 43.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7SE (SW)	848	5	417684 417084
81	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NW (SW)	853	5	417347 417437
82	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 623.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Round Wood Beck Catchment Name: Aire and Calder Primacy: 1	A7SE (SW)	870	5	417634 417089
83	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 20.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A11SE (W)	874	5	417234 417858
84	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 280.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A11SE (W)	887	5	417221 417844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 32.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ox Field Beck Catchment Name: Aire and Calder Primacy: 1	A7SW (SW)	961	5	417352 417230
86	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 126.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Round Wood Beck Catchment Name: Aire and Calder Primacy: 1	A7SW (SW)	974	5	417349 417212
87	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Round Wood Beck Catchment Name: Aire and Calder Primacy: 1	A7SW (SW)	979	5	417337 417220
88	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Round Wood Beck Catchment Name: Aire and Calder Primacy: 2	A7SW (SW)	982	5	417388 417155
89	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 573.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Round Wood Beck Catchment Name: Aire and Calder Primacy: 2	A7SW (SW)	985	5	417407 417130
90	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 251.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Lees Head Beck Catchment Name: Aire and Calder Primacy: 1	A7SW (SW)	987	5	417323 417226

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Not Supplied            Location: Lane Side Lane, Kirkheaton            Name: Kirkheaton Brickworks            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD35077            First Input Date: 1st January 1975            Last Input Date: 31st December 1983            Specified Waste Type: Deposited Waste included Industrial, Commercial, Household and Special Waste, and Liquid Sludge            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: Not Supplied            BGS Ref: Not Supplied            Other Ref: Not Supplied</p>	A9NW (SE)	628	2	418694 417373
92	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Not Supplied            Location: Off Waterloo Road, Waterloo, Huddersfield            Name: Tandem Industrial Estate            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD35052            First Input Date: 3rd July 1973            Last Input Date: Not Supplied            Specified Waste Type: Deposited Waste included Inert Waste            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: Not Supplied            BGS Ref: Not Supplied            Other Ref: Not Supplied</p>	A7SE (SW)	806	2	417738 417102
93	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: National Rivers Authority            Location: Dalton, Huddersfield            Name: Land adjacent to Albany Road Bridge            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD30222            First Input Date: 31st May 1990            Last Input Date: 31st December 1992            Specified Waste Type: Deposited Waste included Inert and Commercial Waste            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 4700/0822            BGS Ref: Not Supplied            Other Ref: 4700/0814</p>	A7SW (SW)	850	2	417536 417193
94	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: Lane Side Quarry Landfill Site            Licence Number: 0            Location: Lane Side Quarry Landfill Site, Off Bellstring Lane, Kirkheaton, West Yorkshire            Licence Holder: P Casey Enviro Ltd            Authority: Environment Agency - North East Region, Yorkshire Area            Site Category: Waste Landfilling; &gt;10 T/D with Capacity &gt;25,000T Excluding Inert Waste            Max Input Rate: Not Supplied  <b>Licence Status: Effective</b>            Issued: 28th February 2014            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: As Supplied</p>	A13SE (SE)	345	2	418513 417603
95	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: C L M Properties Ltd            Licence Number: 61025            Location: The Barn, Brook Lane, Golcar, Huddersfield, West Yorkshire, HD7 4JA            Licence Holder: C L M Properties Limited            Authority: Environment Agency - North East Region, Yorkshire Area            Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction)            Max Input Rate: Not Supplied  <b>Licence Status: Closure</b>            Issued: 29th May 1992            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: As Supplied</p>	A11NE (W)	976	2	417140 417947

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 401385            Location: Laneside Quarry, Off Bellstrings Lane, Kirkheaton, Huddersfield, West Yorkshire, HD5 0NT            Operator Name: P Casey Enviro Limited            Operator Location: Not Supplied            Authority: Environment Agency - North East Region, Yorkshire Area            Site Category: Use of waste in construction &lt;100,000 tps  <b>Licence Status: Surrendered</b>            Issued: 4th July 2014            Last Modified: Not Supplied            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: 2nd November 2017            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	701	2	418700 417300
96	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 103496            Location: Laneside Quarry Landfill Site, Off Bellstring Lane, Kirkheaton, Huddersfield, West Yorkshire            Operator Name: P Casey Enviro Limited            Operator Location: Not Supplied            Authority: Environment Agency - North East Region, Yorkshire Area            Site Category: Use of waste for reclamation etc &lt;100,000 tps  <b>Licence Status: Surrendered</b>            Issued: 4th May 2012            Last Modified: Not Supplied            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: 2nd November 2017            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	701	2	418700 417300
97	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 65496            Location: Units 1-5 Newlands Trade Park, School Lane, Kirkheaton, Huddersfield, West Yorkshire, HD5 0JS            Operator Name: Electrical Waste Recycling Group Ltd            Operator Location: Not Supplied            Authority: Environment Agency - North East Region, Yorkshire Area            Site Category: Material Recycling Treatment Facilities  <b>Licence Status: Modified</b>            Issued: 20th October 2006            Last Modified: 25th January 2013            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: Not Supplied            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	726	2	417675 417237
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: Kirklees Metropolitan Borough Council            - Has not been able to supply Landfill data</p>		0	6	418270 417910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: West Yorks Waste Management            Licence Reference: WY 6            Site Location: Kirkheaton Brickworks, Kirkheaton, Huddersfield, West Yorkshire            Licence Easting: 418800            Licence Northing: 417300            Operator Location: 54 Bradford Road, BRIGHOUSE, West Yorkshire, HD6 1RY            Authority: Environment Agency - North East Region, Ridings Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st July 1977            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: House, Com + Ind.Waste            Environment Agency Notifiable Wastes            must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	A9NW (SE)	760	2	418800 417300
99	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: National Rivers Authority            Licence Reference: 814            Site Location: Adj Albany Road Bridge, Dalton, Huddersfield, West Yorkshire            Licence Easting: 417400            Licence Northing: 417200            Operator Location: 21 Park Square South, LEEDS, West Yorkshire, LS1 2QG            Authority: Environment Agency - North East Region, Ridings Area            Site Category: Landfill            Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)            Waste Source: Waste produced/controlled by licence holder            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st June 1990            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the road within the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Excavation Waste From Fenay Beck            Prohibited Waste: Liable To Cause Environmental Hazards            Poisonous, Noxious, Polluting Wastes</p>	A7SW (SW)	943	2	417400 417200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13SE (SW)	0	1	418270 417910
100	<b>BGS Recorded Mineral Sites</b> Site Name: Kirkheaton Location: Kirkheaton, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109854 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NW (W)	52	1	418153 417923
101	<b>BGS Recorded Mineral Sites</b> Site Name: Kirkheaton Fireclay Mine Location: Kirkheaton, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13854 Type: Underground And Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	255	1	418430 417655
102	<b>BGS Recorded Mineral Sites</b> Site Name: Hill Top Location: Kirkheaton, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13855 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grenoside Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	329	1	417820 417665
103	<b>BGS Recorded Mineral Sites</b> Site Name: Heaton Moor Location: Kirkheaton, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109855 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	477	1	418708 418385
104	<b>BGS Recorded Mineral Sites</b> Site Name: Stafford Hill Location: Hill Side, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109869 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	511	1	418384 417345

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<b>BGS Recorded Mineral Sites</b> Site Name: Kirkheaton Location: Kirkheaton, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 2568 Type: Opencast <b>Status: Ceased</b> Operator: Elliott'S Estates Ltd. Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	521	1	418600 417450
106	<b>BGS Recorded Mineral Sites</b> Site Name: Kirkheaton Brickworks Location: Kirkheaton, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 43197 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	780	1	418960 417410
107	<b>BGS Recorded Mineral Sites</b> Site Name: Lower Hall Quarry Location: Lascelles, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13858 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grenoside Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	804	1	418430 417050
108	<b>BGS Recorded Mineral Sites</b> Site Name: Moor Top Location: Kirkheaton, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109853 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Clifton Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	812	1	418187 418811
109	<b>BGS Recorded Mineral Sites</b> Site Name: Mount Pleasant Location: Kirkheaton, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109856 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	840	1	419026 418590
110	<b>BGS Recorded Mineral Sites</b> Site Name: Lower Hall Location: Lascelles, Hill Side, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109870 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grenoside Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	854	1	418233 416957

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	<b>BGS Recorded Mineral Sites</b> Site Name: Nab Hill Location: Kirkheaton, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109792 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A11NE (W)	983	1	417206 418218
112	<b>BGS Recorded Mineral Sites</b> Site Name: Lower Hall Fireclay Mine Location: Lascelles, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13857 Type: Underground And Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A3NE (S)	990	1	418480 416870
	<b>Coal Mining Affected Areas</b> Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (SW)	0	7	418270 417910
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (N)	0	-	418270 418000
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SW)	0	-	418270 417910
	<b>Mining Instability</b> Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SW)	0	-	418270 417910
	<b>Man-Made Mining Cavities</b> Easting: 418500 Northing: 417500 Distance: 423 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Not supplied Commodity: Clay Solid Geology Detail: No Details Superficial Geology: No Details Detail:	A8NE (SE)	423	8	418500 417500
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	418270 417910
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	418287 417911
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	418270 417910
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	418270 417910
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	418264 417911

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	418352 417908
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	418167 417858
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	418270 417910
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	7	1	418352 417908
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	28	1	418440 417938
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	28	1	418088 417852
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	41	1	418468 418015
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	53	1	418470 417959
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	80	1	418464 417906
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	120	1	418549 418022
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	140	1	418117 417668
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NW (SW)	246	1	418118 417564
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	418287 417911
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	418270 417910
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	418182 417857
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	418215 417878
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	418270 417910
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	1	1	418125 417853
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	7	1	418352 417908
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	28	1	418440 417938
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	120	1	418549 418022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b></p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A13SW (SW)	122	1	418061 417701
	<p><b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b></p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A14NW (E)	187	1	418618 418022
	<p><b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b></p> <p>Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service</p>	A14NW (NE)	237	1	418620 418140
	<p><b>Radon Potential - Radon Affected Areas</b></p> <p>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (N)	0	1	418275 417951
	<p><b>Radon Potential - Radon Affected Areas</b></p> <p>Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service</p>	A13SE (SW)	0	1	418270 417910
	<p><b>Radon Potential - Radon Protection Measures</b></p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (N)	0	1	418275 417951
	<p><b>Radon Potential - Radon Protection Measures</b></p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service</p>	A13SE (SW)	0	1	418270 417910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	<b>Contemporary Trade Directory Entries</b> Name: Cem Cleaning Services Location: 18, Shop Lane, Huddersfield, HD5 0DB Classification: Cleaning Services - Domestic <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (W)	102	-	418053 417920
114	<b>Contemporary Trade Directory Entries</b> Name: Huddersfield Fine Worsteds Ltd Location: Kirkheaton Mills, Huddersfield, HD5 0NS Classification: Clothing & Fabrics - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (W)	102	-	418013 417863
114	<b>Contemporary Trade Directory Entries</b> Name: Learoyd Bros Location: Kirkheaton Mills, Huddersfield, HD5 0NS Classification: Textile Manufacturing <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (W)	102	-	418013 417863
114	<b>Contemporary Trade Directory Entries</b> Name: W E Yates Location: Kirkheaton Mills, Huddersfield, HD5 0NS Classification: Textile Manufacturing <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (W)	102	-	418013 417863
114	<b>Contemporary Trade Directory Entries</b> Name: Martin Sons & Co Location: Kirkheaton Mills, Huddersfield, West Yorkshire, HD5 0NS Classification: Textile Manufacturing <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (W)	102	-	418013 417863
115	<b>Contemporary Trade Directory Entries</b> Name: Lifes A Ball Location: 7, Low Fold, Huddersfield, West Yorkshire, HD5 0JJ Classification: Sports Equipment Manufacturers & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (W)	127	-	417984 417798
116	<b>Contemporary Trade Directory Entries</b> Name: Kirkheaton Engineering Location: The Forge, Huddersfield, HD5 0JF Classification: Engineers - General <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (W)	180	-	418006 417983
117	<b>Contemporary Trade Directory Entries</b> Name: Ponty Printers Location: 41, St. Peters Crescent, Huddersfield, HD5 0EY Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	187	-	417934 417752
118	<b>Contemporary Trade Directory Entries</b> Name: Lanka Garage Location: St. Mary's Lane, Huddersfield, HD5 0EB Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	214	-	418094 417599
118	<b>Contemporary Trade Directory Entries</b> Name: Lanka Garage Location: St. Mary's Lane, Huddersfield, West Yorkshire, HD5 0EB Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	214	-	418094 417599
118	<b>Contemporary Trade Directory Entries</b> Name: Lanka Garage Location: St. Mary's Lane, Huddersfield, HD5 0EB Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	215	-	418094 417598
119	<b>Contemporary Trade Directory Entries</b> Name: Walkers Garage Location: 1c, New Road, Huddersfield, HD5 0JB Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	255	-	417986 418059

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	<b>Contemporary Trade Directory Entries</b> Name: Walkers Garage Location: 1c, New Road, Huddersfield, HD5 0JB Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	255	-	417986 418059
120	<b>Contemporary Trade Directory Entries</b> Name: Gone Flat Location: 63, Moorside Road, Huddersfield, West Yorkshire, HD5 0LR Classification: Tyre Repairs & Retreading <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	565	-	418122 418523
121	<b>Contemporary Trade Directory Entries</b> Name: Tali Uk Ltd Location: 18, School Lane, Kirkheaton, Huddersfield, HD5 0JS Classification: Fibre Optics <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7SE (SW)	673	-	417767 417238
122	<b>Contemporary Trade Directory Entries</b> Name: Well Polished Location: 148, Cockley Hill Lane, Huddersfield, HD5 0PE Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14NE (E)	679	-	419089 418165
123	<b>Contemporary Trade Directory Entries</b> Name: Electrical Waste Recycling Group Location: Newland Works, School Lane, Kirkheaton, Huddersfield, HD5 0JS Classification: Waste Disposal Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	707	-	417637 417293
124	<b>Contemporary Trade Directory Entries</b> Name: Hydraulic Cylinder Repairs Ltd Location: Unit 33, Minerva Works, Crossley Lane, Huddersfield, HD5 9SA Classification: Hydraulic Engineers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NW (SW)	802	-	417452 417363
124	<b>Contemporary Trade Directory Entries</b> Name: A & H Interiors Ltd Location: Unit 40, Minerva Works, Crossley Lane, Huddersfield, HD5 9SA Classification: Fireplaces & Mantelpieces <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NW (SW)	802	-	417452 417363
125	<b>Contemporary Trade Directory Entries</b> Name: Abr Sheet Metal Location: Unit L, Hartley Business Park, Crossley Lane, Huddersfield, HD5 0QP Classification: Sheet Metal Work <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NW (SW)	848	-	417367 417409
126	<b>Contemporary Trade Directory Entries</b> Name: Cartwrights Cars Location: 1, Albany House, Albany Road, Huddersfield, HD5 0QS Classification: Car Engine Tuning & Diagnostic Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7SW (SW)	851	-	417555 417173
127	<b>Contemporary Trade Directory Entries</b> Name: Plasticraft Displays Location: 56, Nettleton Road, Huddersfield, West Yorkshire, HD5 9TB Classification: Plastic Products - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A11SE (W)	927	-	417185 417735
128	<b>Contemporary Trade Directory Entries</b> Name: Forteq Uk Ltd Location: Tandem Industrial Estate, Wakefield Road, Tandem, Huddersfield, HD5 0QR Classification: Plastics - Injection Moulding <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7SE (SW)	937	-	417772 416942
129	<b>Contemporary Trade Directory Entries</b> Name: Waterloo Blinds Location: 105, Waterloo Road, Huddersfield, HD5 0AB Classification: Blinds, Awnings & Canopies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7SW (SW)	951	-	417518 417074

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	<p><b>Fuel Station Entries</b></p> <p>Name: Lanka Garage            Location: St Marys Lane , Kirkheaton , Huddersfield, West Yorkshire, HD5 0EB            Brand: Obsolete            Premises Type: Not Applicable  <b>Status: Obsolete</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	215	-	418094 417598

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	<b>Areas of Adopted Green Belt</b> Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Unitary Development Plan Status: <b>Adopted</b> Plan Date: 1st March 1999	A13SE (SW)	0	10	418270 417910
132	<b>Areas of Unadopted Green Belt</b> Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Local Plan Status: <b>Submission Draft</b> Plan Date: 25th April 2017	A13SE (E)	0	10	418310 417901
133	<b>Local Nature Reserves</b> Name: Dalton Bank Multiple Area: N Area (m2): 200673.79 Source: Natural England Designation Date: 4th December 1995	A12NW (W)	872	9	417309 418176

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Wakefield City Metropolitan District Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council - Environmental Health	March 2015 November 2013 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - North East Region	October 2018	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - North East Region	March 2013	Annual Rolling Update
<b>Integrated Pollution Controls</b> Environment Agency - North East Region	October 2008	Variable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - North East Region	October 2018	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Kirklees Metropolitan Borough Council - Environmental Health Department Wakefield City Metropolitan District Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 June 2014 October 2014	Variable Variable Variable
<b>Local Authority Pollution Prevention and Controls</b> Kirklees Metropolitan Borough Council - Environmental Health Department Wakefield City Metropolitan District Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 June 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Kirklees Metropolitan Borough Council - Environmental Health Department Wakefield City Metropolitan District Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 June 2014 October 2014	Variable Variable Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	September 2017	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - North East Region	December 1998	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - North East Region	March 2013	Annual Rolling Update
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - North East Region	March 2013	Annual Rolling Update
<b>Registered Radioactive Substances</b> Environment Agency - North East Region	June 2016	
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	October 2018 October 2018	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - North East Region	October 2018	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North East Region	October 2017	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
<b>Bedrock Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Superficial Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	January 2018	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2018	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2018	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	August 2018	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	August 2018	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	August 2018	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	October 2018	Quarterly
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	July 2018	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - North East Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	July 2018 July 2018	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	October 2018 October 2018	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	April 2018	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Variable
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council Wakefield City Metropolitan District Council	August 2015 February 2016 February 2016	Variable Variable Variable
<b>Planning Hazardous Substance Consents</b> Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council Wakefield City Metropolitan District Council	August 2015 February 2016 February 2016	Variable Variable Variable
Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2018	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually

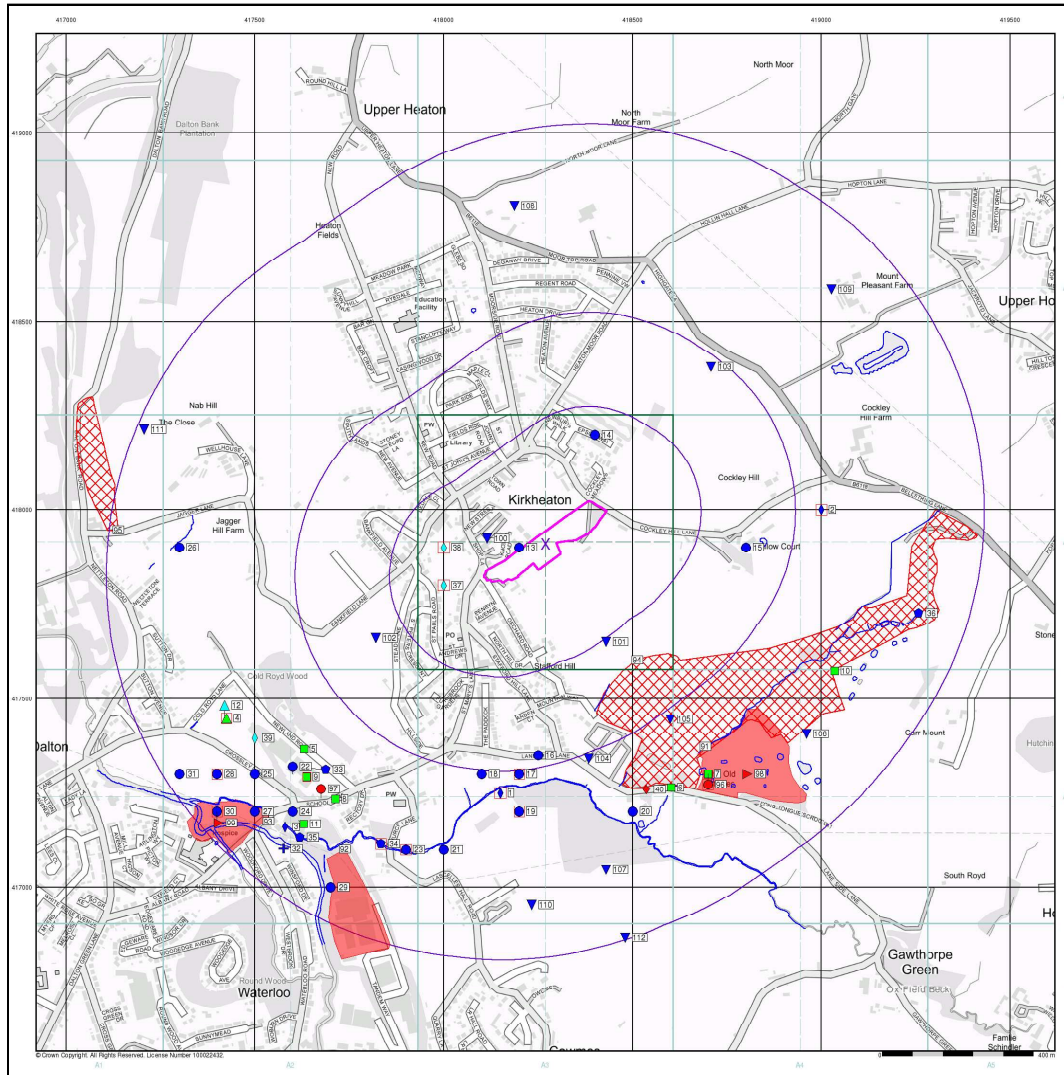
Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	January 2019	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	November 2018	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	
<b>Underground Electrical Cables</b> National Grid	December 2015	
Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural England	August 2018	Bi-Annually
<b>Areas of Adopted Green Belt</b> Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council Wakefield City Metropolitan District Council	August 2018 August 2018 August 2018	As notified As notified As notified
<b>Areas of Unadopted Green Belt</b> Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council Wakefield City Metropolitan District Council	August 2018 August 2018 August 2018	As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	August 2018	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	August 2018	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	January 2018	Bi-Annually
<b>National Nature Reserves</b> Natural England	August 2018	Bi-Annually
<b>National Parks</b> Natural England	April 2017	Bi-Annually
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
<b>Ramsar Sites</b> Natural England	August 2018	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	October 2018	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	August 2018	Bi-Annually
<b>Special Protection Areas</b> Natural England	August 2018	Bi-Annually

A selection of organisations who provide data within this report

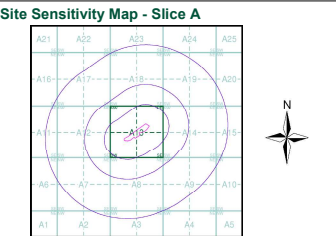
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 <b>British Geological Survey</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp; Hydrology</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>Kirklees Metropolitan Borough Council - Environmental Health Department</b> West Riding House, 9 Manchester Road, Huddersfield, West Yorkshire, HD1 3HH	Telephone: 01484 221000 Email: customer.relations@kirklees.gov.uk Website: www.kirklees.gov.uk
4	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	<b>Kirklees Metropolitan Borough Council - Planning Services</b> PO BOX B93, Civic Centre III, Off Market Street, Huddersfield, West Yorkshire, HD1 2JR	Telephone: 01484 221000 Fax: 01484 221613 Website: www.kirklees.gov.uk
7	<b>The Coal Authority - Property Searches</b> 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	<b>Peter Brett Associates</b> Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
9	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	<b>Kirklees Metropolitan Borough Council</b> Town Hall, Civic Centre, Huddersfield, West Yorkshire, HD1 2TA	Telephone: 01484 221000 Fax: 01484 442768 Website: www.kirklees.gov.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- Waste**
- BOS Recorded Landfill Site (Location)
  - BOS Recorded Landfill Site
  - EA Historic Sewage (Burial/land flows)
  - EA Historic Landfill (Bygone)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundaries)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Over Buried to 100m)
  - Registered Landfill Site (Over Buried to 200m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BOS Recorded Mineral Site
- Industrial Land Use**
- Controversial Trade Directory Entry
  - Fuel Station Entry



**Order Details**

Order Number: 193766422\_1\_1  
 Customer Ref: CKD/02  
 National Grid Reference: 418270, 417910  
 Slice: A  
 Site Area (Ha): 2.08  
 Search Buffer (m): 1000

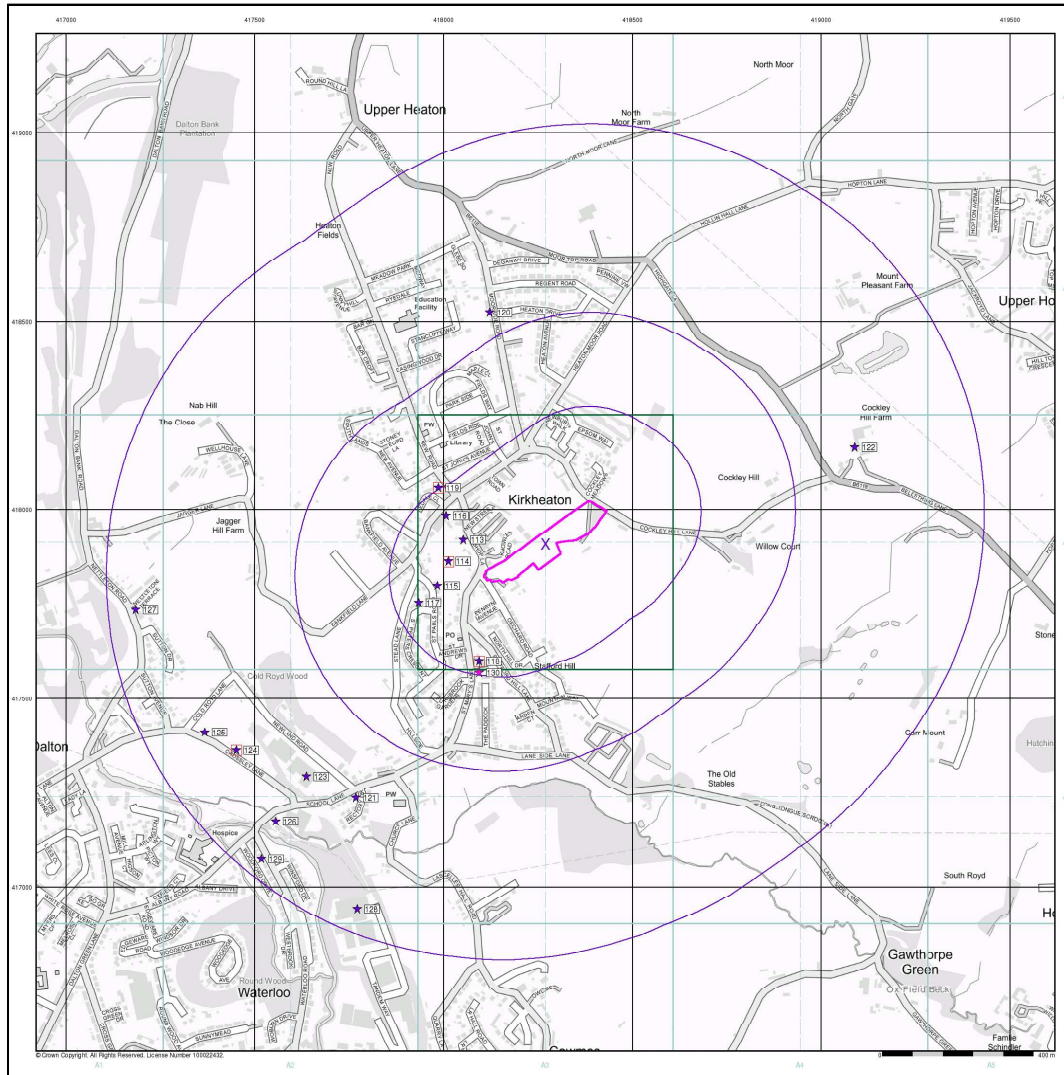
**Site Details**

Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH

**Landmark**  
 INFORMATION GROUP

Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk

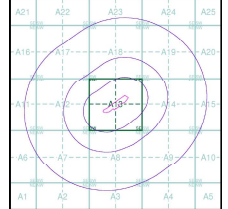
A Landmark Information Group Service v5.0.0 11-Feb-2019 Page 1 of 5



**Industrial Land Use Map**

- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Slice
  - Map ID
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry
  - Gas Pipeline
  - Underground Electrical Cables

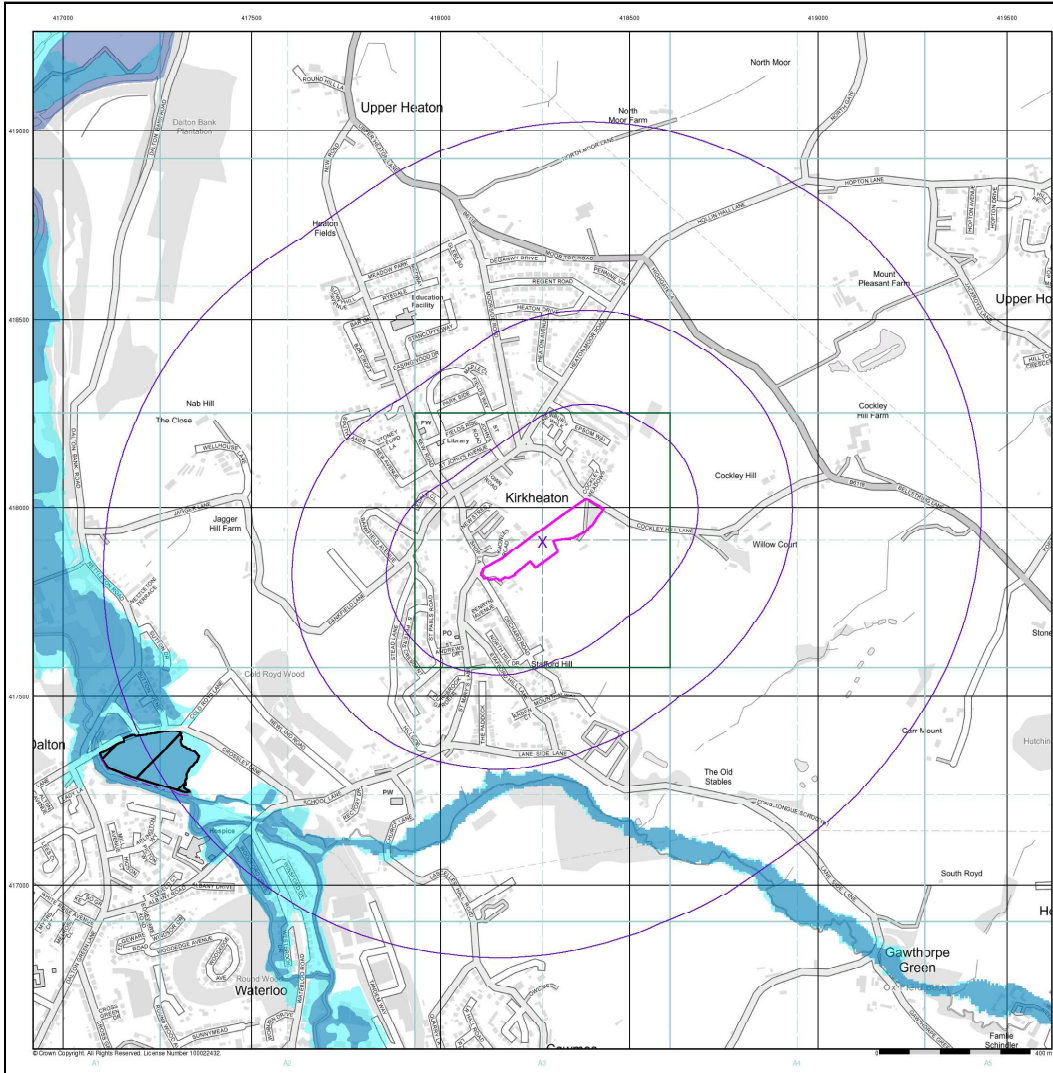
**Industrial Land Use Map - Slice A**



**Order Details**

Order Number: 193766422\_1\_1  
 Customer Ref: CKD/02  
 National Grid Reference: 418270, 417910  
 Slice: A  
 Site Area (Ha): 2.08  
 Search Buffer (m): 1000

**Site Details**  
 Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH



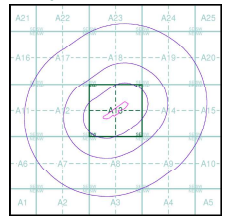
**General**

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Agency and Hydrological (Flood)**

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- ▨ Area Benefiting from Flood Defence
- Flood Water Storage Areas
- - - Flood Defence

**Flood Map - Slice A**



**Order Details**

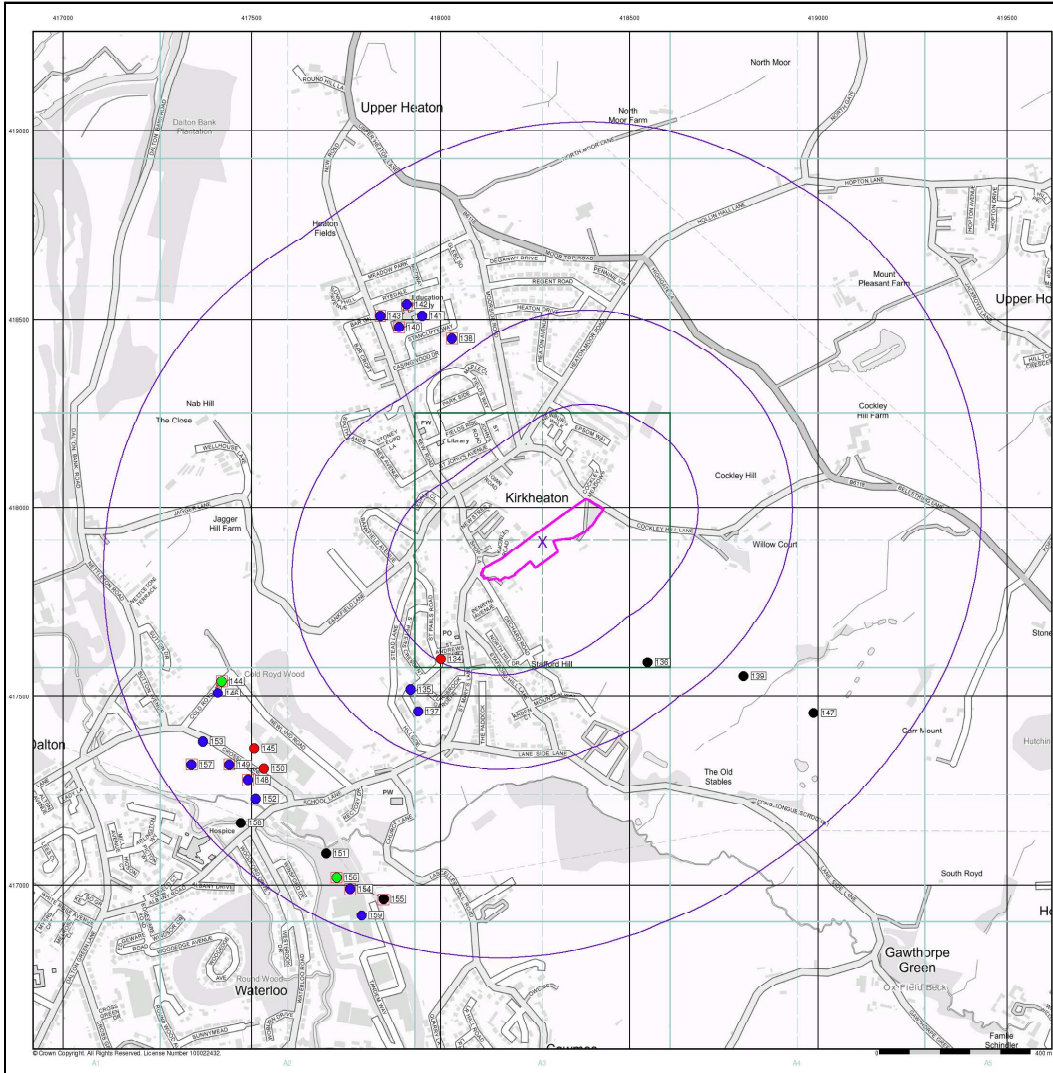
Order Number: 193766422\_1\_1  
 Customer Ref: CKD/02  
 National Grid Reference: 418270, 417910  
 Slice: A  
 Site Area (Ha): 2.08  
 Search Buffer (m): 1000

**Site Details**

Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



**General**

- Specified Site
- Specified Buffer(s)
- X Georing Reference Point
- Map ID
- Several of Type at Location

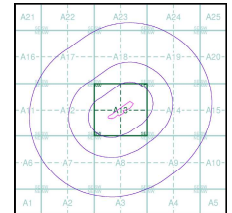
**Agency and Hydrological (Boreholes)**

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Continental
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

**Borehole Map - Slice A**



**Order Details**

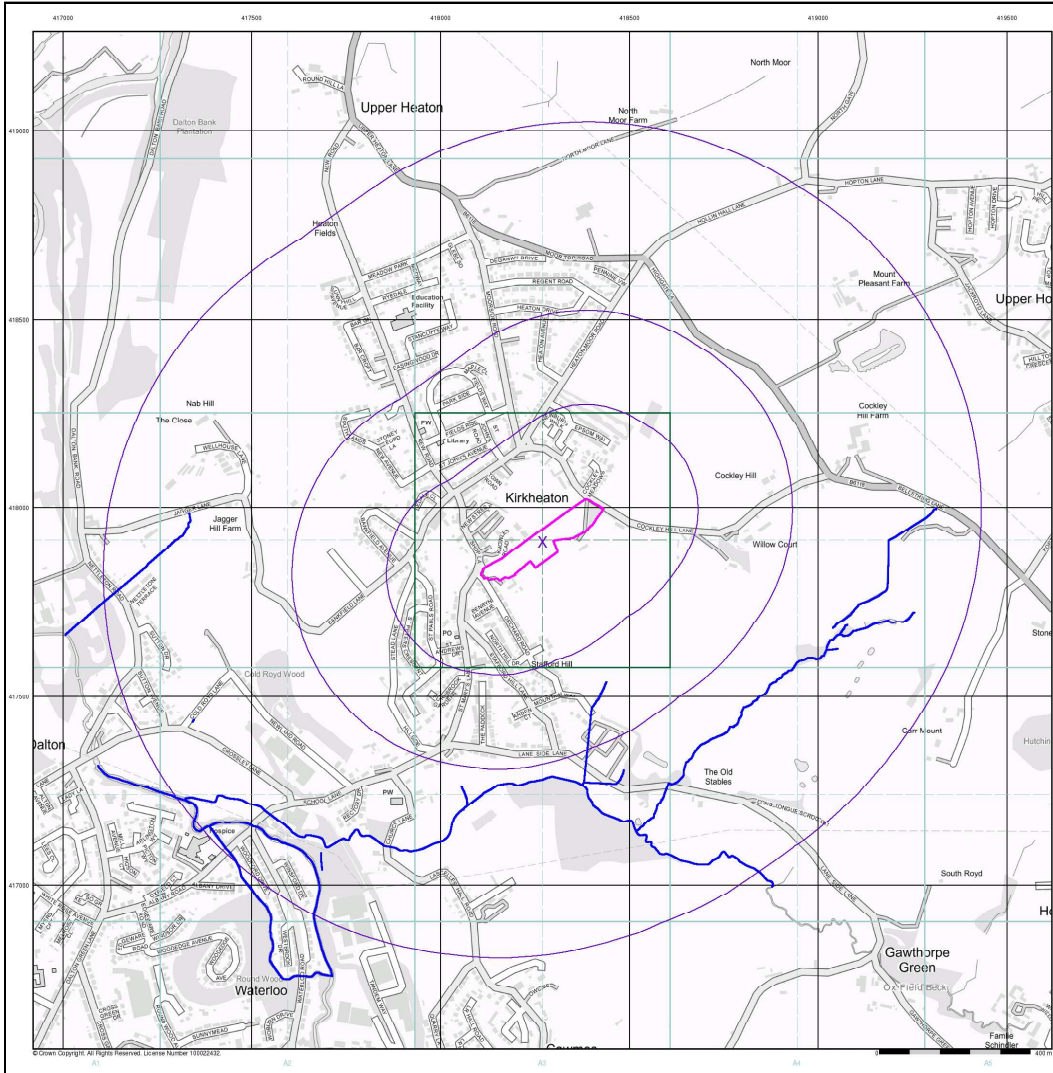
Order Number: 193766422\_1\_1  
 Customer Ref: CKD/02  
 National Grid Reference: 418270, 417910  
 Slice: A  
 Site Area (Ha): 2.08  
 Search Buffer (m): 1000

**Site Details**

Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH

**Landmark**  
 INFORMATION GROUP

Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

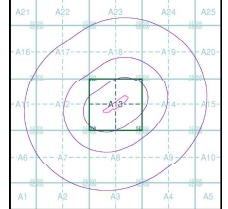


**General**  
 ○ Specified Site  
 ○ Specified Buffer(s)  
 X Bearing Reference Point

**OS Water Network Data**

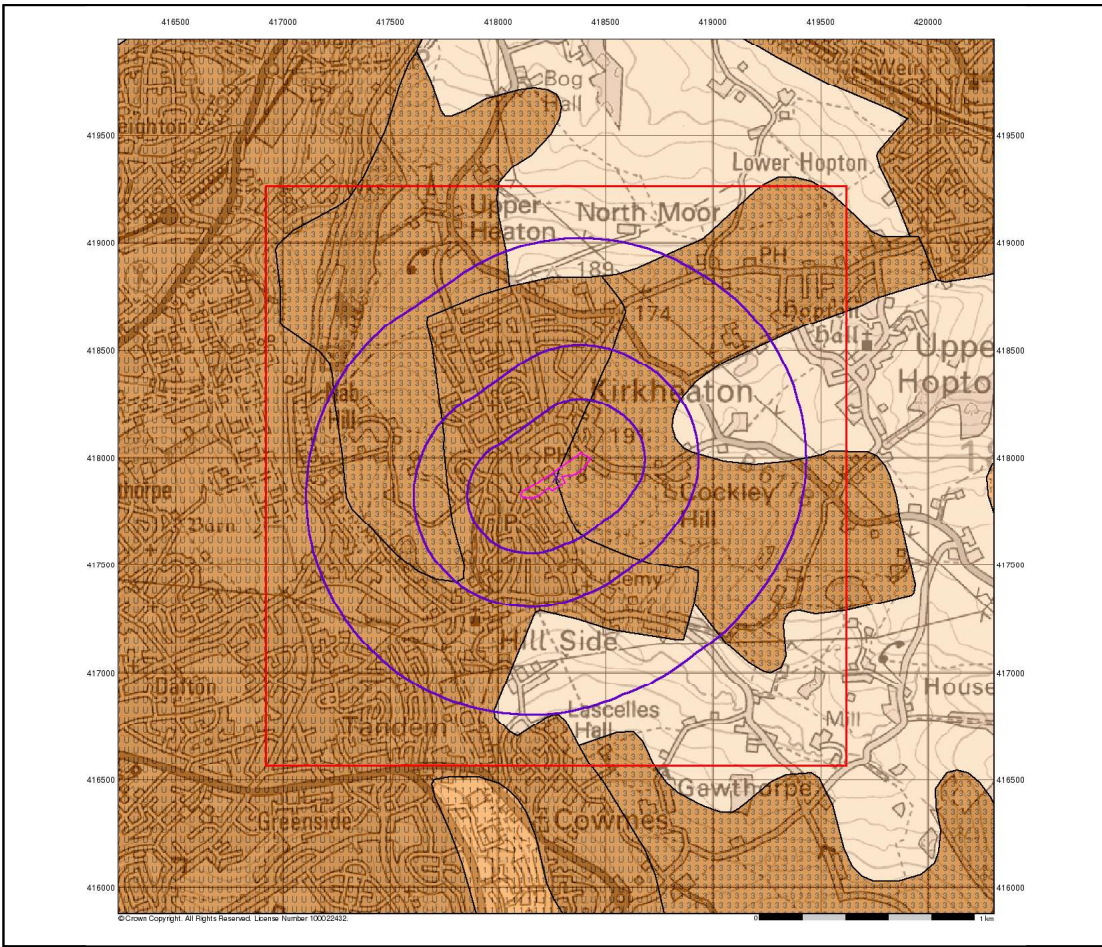
Canal	Drain
Reservoir	Other
Foreshore	Lake
Marsh	Transfer
Tidal River	Lock Or Flight Of Locks
Inland River	Sea

**OS Water Network Map - Slice A**



**Order Details**  
 Order Number: 193766422\_1\_1  
 Customer Ref: CKD/02  
 National Grid Reference: 418270, 417910  
 Slice: A  
 Site Area (Ha): 2.08  
 Search Buffer (m): 1000

**Site Details**  
 Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH



**ARP**  
ARP GEOTECHNICAL LTD

### Groundwater Vulnerability

**General**

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

**Agency and Hydrological**

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

**Site Sensitivity Context Map - Slice A**

**Order Details**

Order Number: 193766422\_1\_1  
 Customer Ref: CKD02  
 National Grid Reference: 418270, 417910  
 Slice: A  
 Site Area (Ha): 2.08  
 Search Buffer (m): 1000

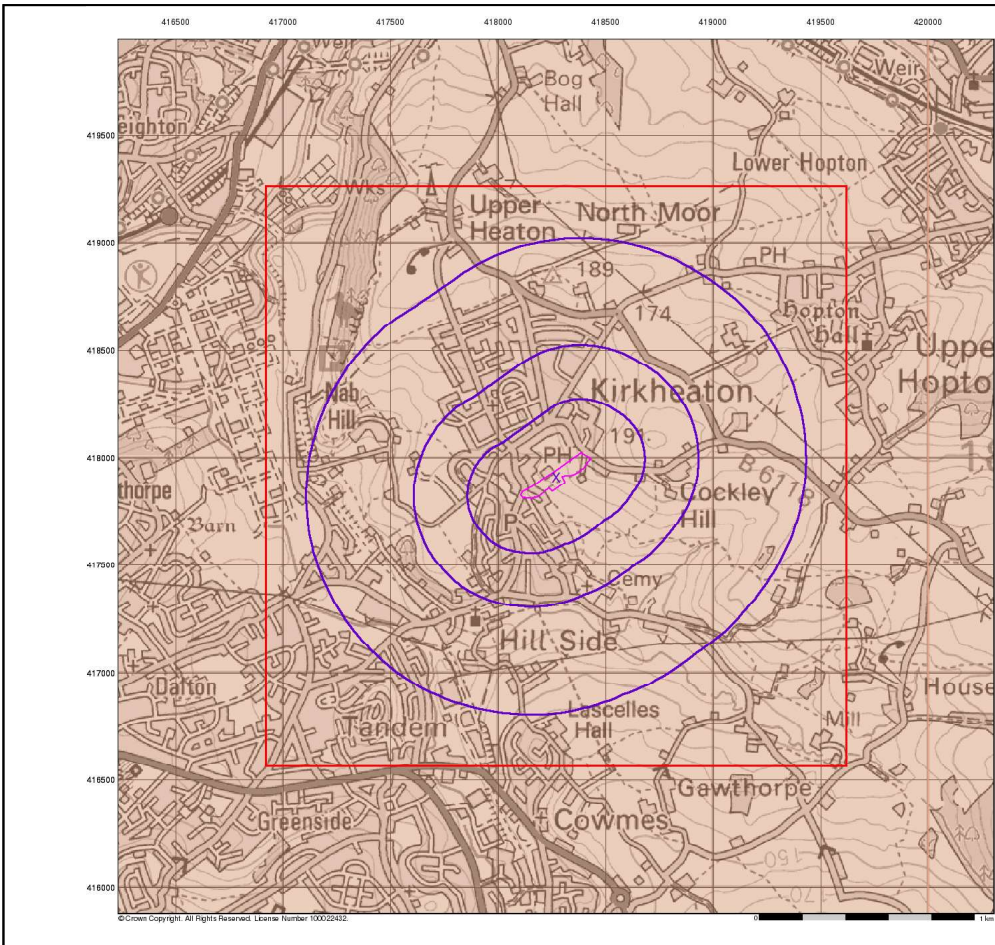
**Site Details**

Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH

**Landmark**  
INFORMATION GROUP

Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.arpgeotech.co.uk

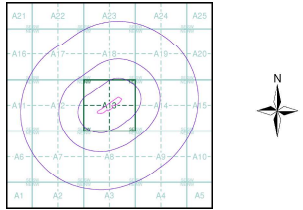
A Landmark Information Group Service v15.0 11-Feb-2019 Page 1 of 6



**Bedrock Aquifer Designation**

- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Slice
  - Map ID
- Agency and Hydrological**
- Geological Classes**
- Principal Aquifer
  - Secondary A Aquifer
  - Secondary B Aquifer
  - Secondary Undifferentiated
  - Unproductive Strata
  - Unknown
  - Unknown (Lakes and Landslip)

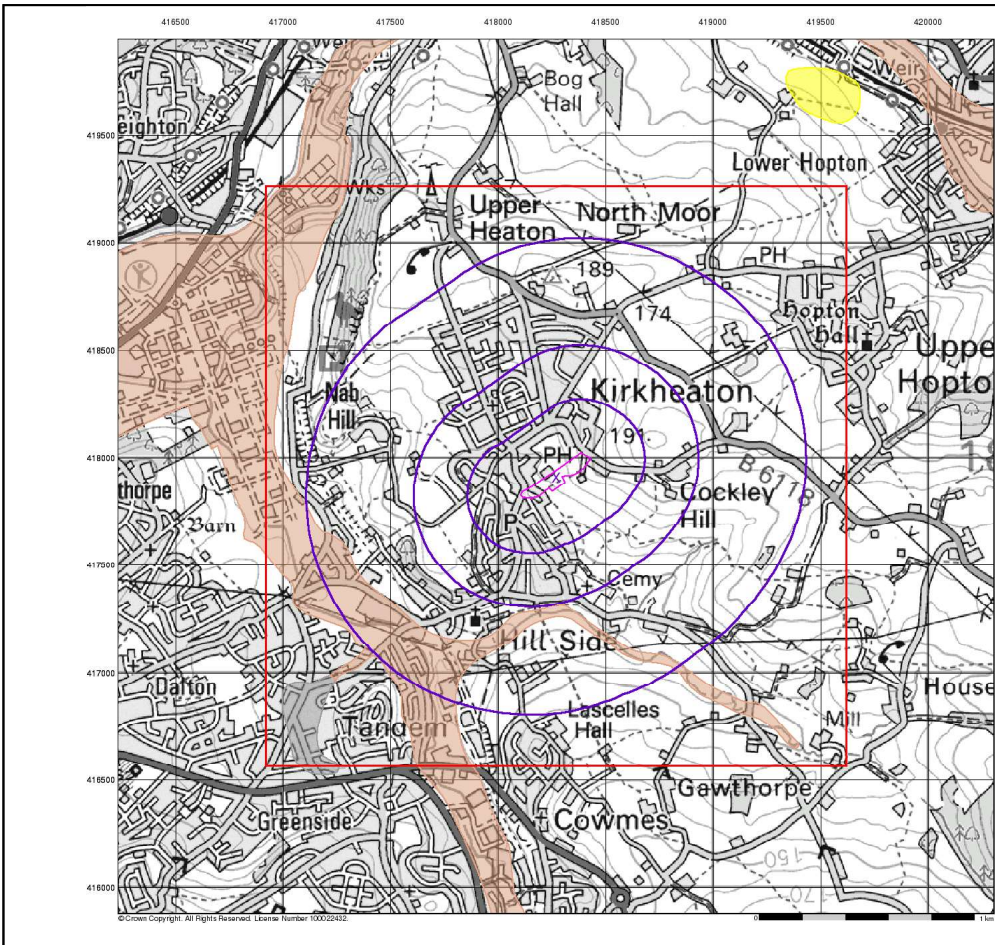
**Site Sensitivity Context Map - Slice A**



**Order Details**

Order Number: 193766422\_1\_1  
 Customer Ref: CKD02  
 National Grid Reference: 418270, 417910  
 Slice: A  
 Site Area (Ha): 2.08  
 Search Buffer (m): 1000

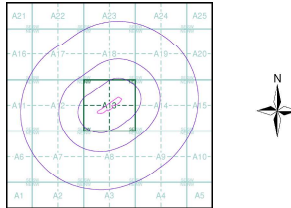
**Site Details**  
 Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH



**Superficial Aquifer Designation**

- General**
- Specified Site
  - Specified Buffers
  - Bearing Reference Point
  - Slice
  - Map ID
- Agency and Hydrological**
- Geological Classes**
- Principal Aquifer
  - Secondary A Aquifer
  - Secondary B Aquifer
  - Secondary Undifferentiated
  - Unproductive Strata
  - Unknown
  - Unknown (Lakes and Landslip)

**Site Sensitivity Context Map - Slice A**

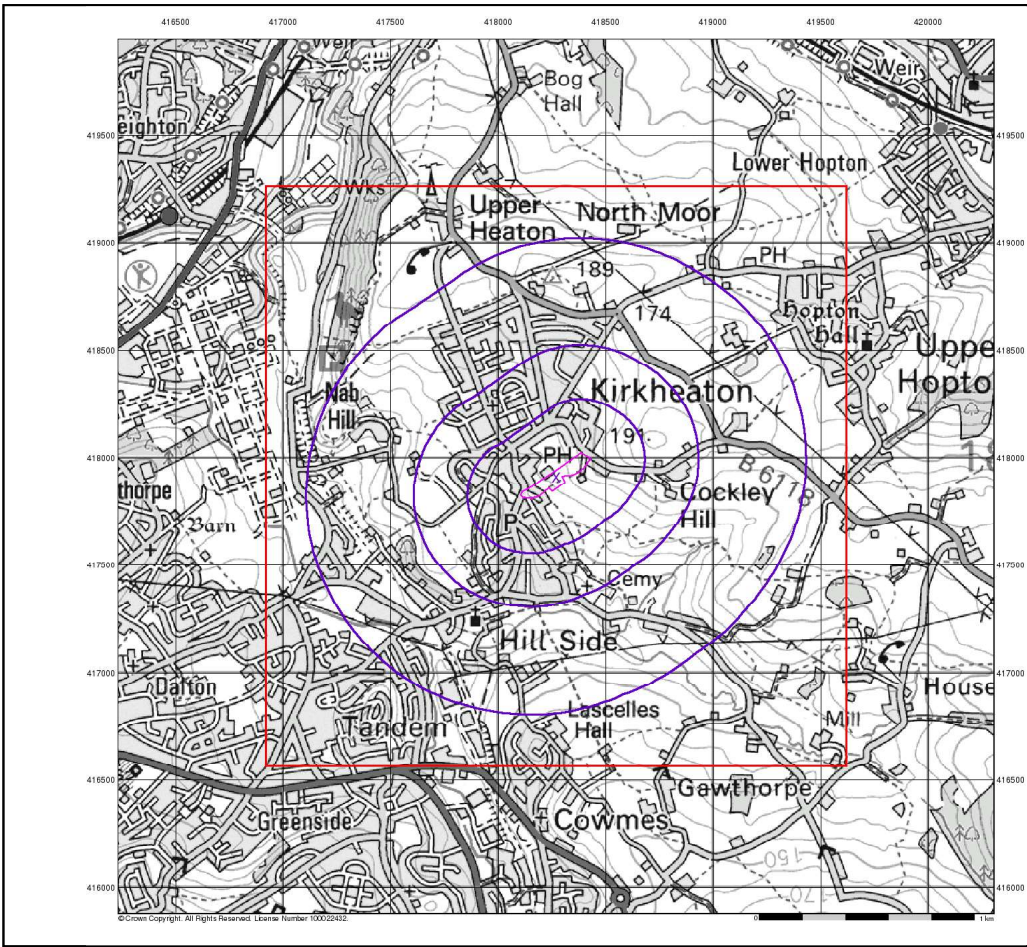


**Order Details**

Order Number: 193766422\_1\_1  
 Customer Ref: CKD02  
 National Grid Reference: 418270, 417910  
 Slice: A  
 Site Area (Ha): 2.08  
 Search Buffer (m): 1000

**Site Details**

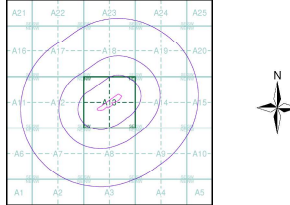
Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH



**Source Protection Zones**

- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Slice
  - Map ID
- Agency and Hydrological**
- Inner zone (Zone 1)
  - Inner zone - subsurface activity only (Zone 1c)
  - Outer zone (Zone 2)
  - Outer zone - subsurface activity only (Zone 2c)
  - Total catchment (Zone 3)
  - Total catchment - subsurface activity only (Zone 3c)
  - Special interest (Zone 4)

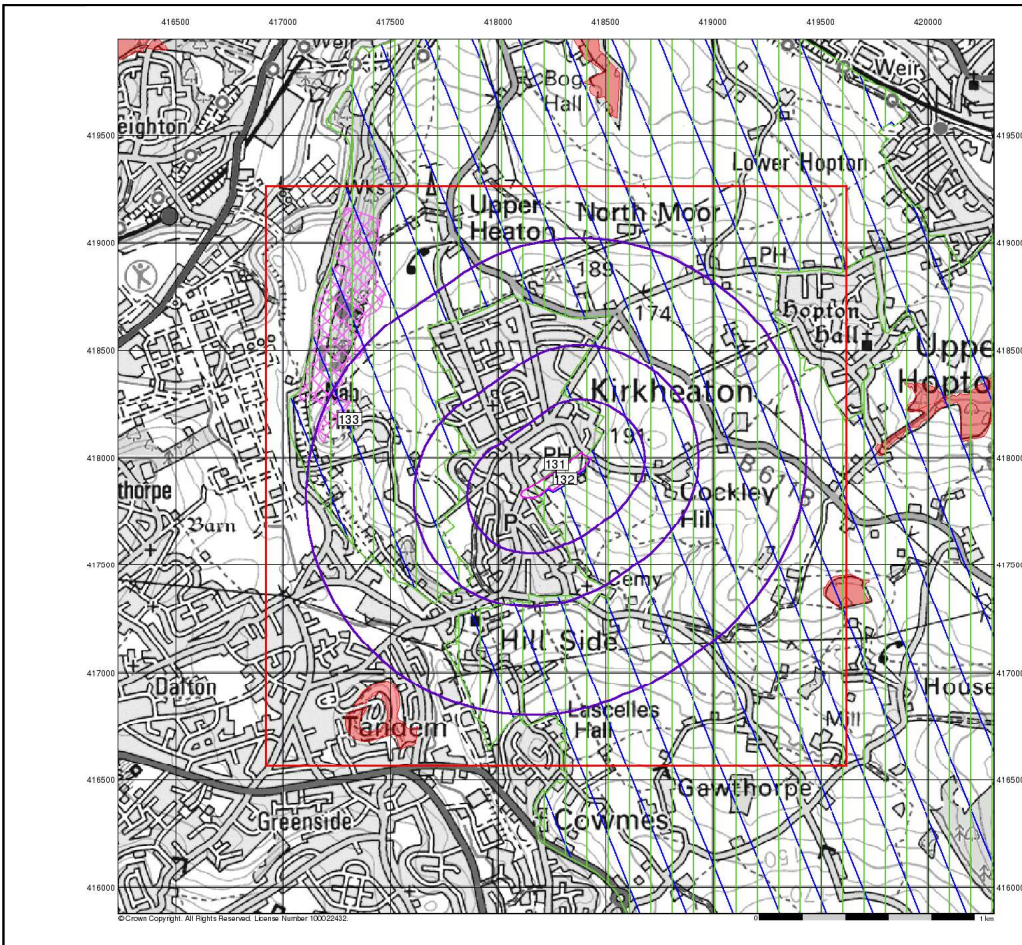
**Site Sensitivity Context Map - Slice A**



**Order Details**

Order Number:	193766422_1_1
Customer Ref:	CKD02
National Grid Reference:	418270, 417910
Slice:	A
Site Area (Ha):	2.08
Search Buffer (m):	1000

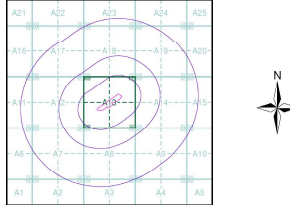
**Site Details**  
Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH



**Sensitive Land Uses**

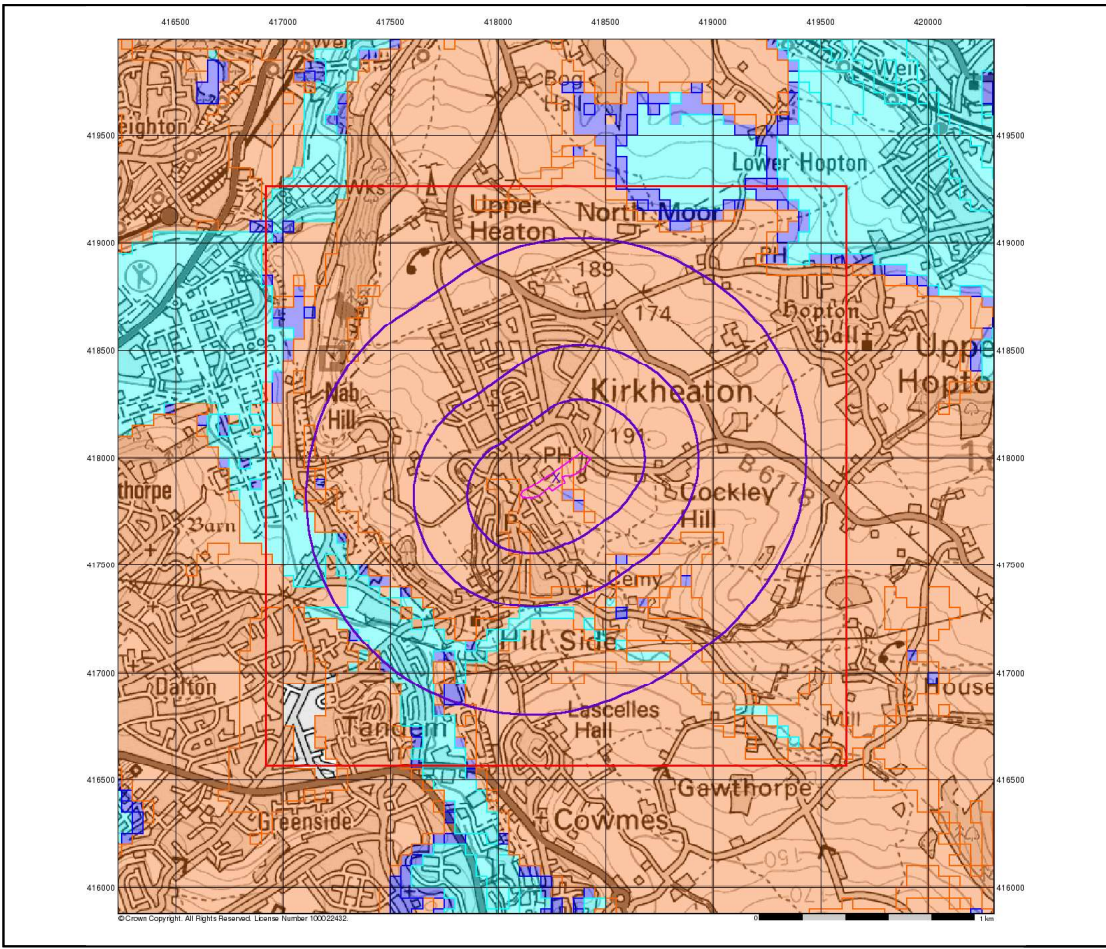
- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Slice
  - Map ID
- Sensitive Land Uses**
- Ancient Woodland
  - Area of Adopted Green Belt
  - Area of Unadopted Green Belt
  - Area of Outstanding Natural Beauty
  - Environmentally Sensitive Area
  - Forest Park
  - Local Nature Reserve
  - Marine Nature Reserve
  - National Nature Reserve
  - National Park
  - Nitrate Sensitive Area
  - Nitrate Vulnerable Zone
  - Ramsar Site
  - Site of Special Scientific Interest
  - Special Area of Conservation
  - Special Protection Area
  - World Heritage Sites

**Site Sensitivity Context Map - Slice A**



**Order Details**  
 Order Number: 193766422\_1\_1  
 Customer Ref: CKD02  
 National Grid Reference: 418270, 417910  
 Slice: A  
 Site Area (Ha): 2.08  
 Search Buffer (m): 1000

**Site Details**  
 Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH



**ARP**  
 ARP GEOTECHNICAL LTD

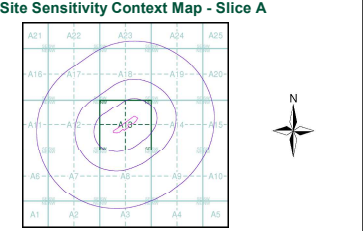
**BGS Flood GFS Data**

**General**

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

**Agency and Hydrological (Flood)**

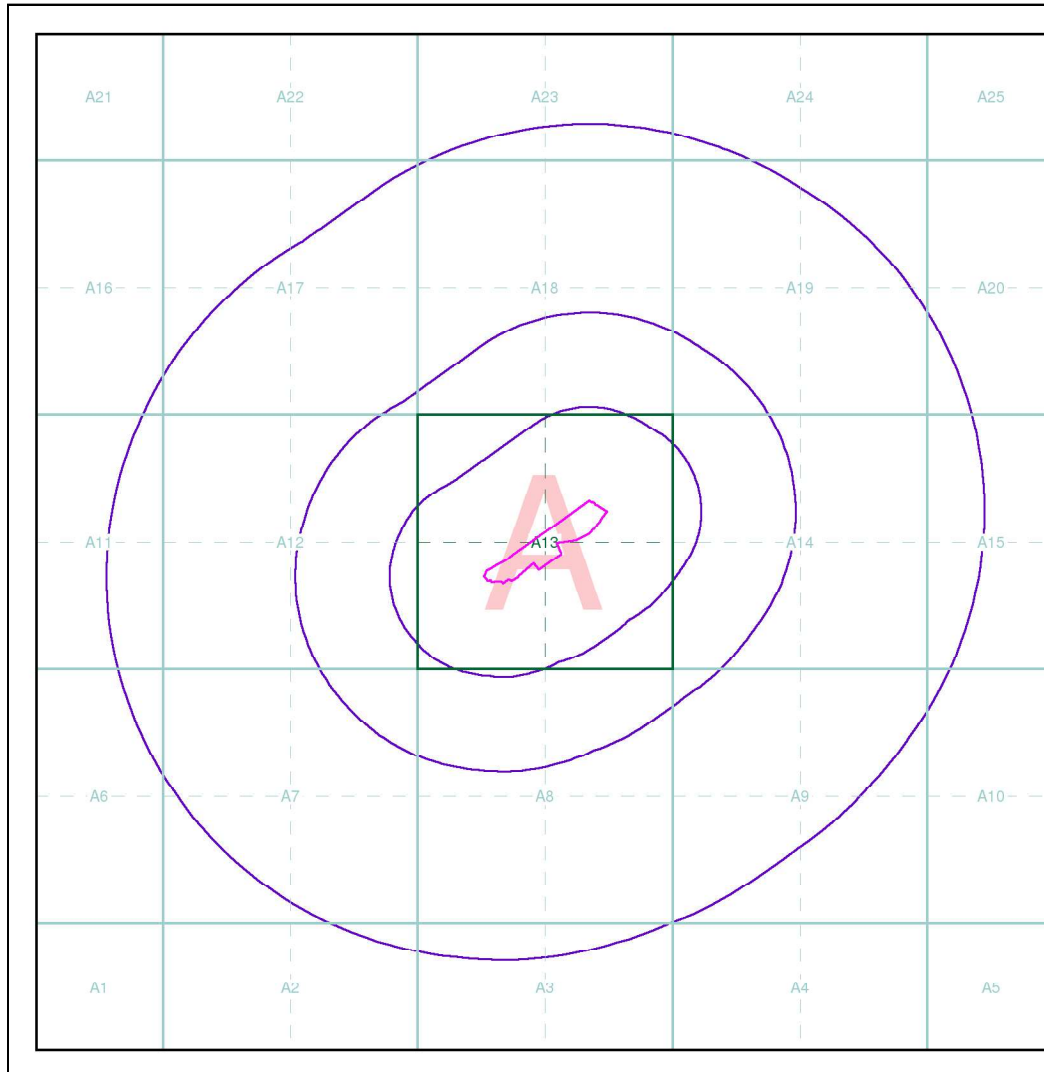
- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface



**Order Details**

Order Number:	193766422_1_1
Customer Ref:	CKD02
National Grid Reference:	418270, 417910
Slice:	A
Site Area (Ha):	2.08
Search Buffer (m):	1000

**Site Details**  
 Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH



### Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

**Slice**  
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

**Segment**  
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

**Quadrant**  
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

### Client Details

Mr J Race, ARP Geotechnical Ltd, Northwest House, 5-6  
Northwest Business Park, Servia Hill, Leeds, LS6 2QH

### Order Details

Order Number: 193766422\_1\_1  
Customer Ref: CKD/02  
National Grid Reference: 418280, 417910  
Site Area (Ha): 2.08  
Search Buffer (m): 1000

### Site Details

Cockley Hill Lane, Kirkheaton, Huddersfield, HD5 0HH

Full Terms and Conditions can be found on the following link:  
<http://www.landmarkinfo.co.uk/Terms/Show/515>



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: www.envirocheck.co.uk

## **APPENDIX F**

### **RISK CATEGORISATION TABLES**

### Severity of Consequence

Severe	Short term (acute) risks to human health, likely to result in significant harm. Major pollution of (watercourses or groundwater)
Medium	Long-term (Chronic) damage (significant harm) to human health. Pollution of sensitive water resources.
Mild	Pollution of non-sensitive water resources.
Minor	Non-permanent health effects easily prevented by use of personal protective equipment during site works.

### Probability of Risk Event Occurring

High Likelihood	There is a pollutant linkage and an event that either appears very likely in the short term, almost inevitable in the long term, or there is evidence of harm or pollution at the receptor.
Likely	There is a pollution linkage and all the elements are present and in the right place, so that a risk event is possible in the short term and likely over the long term.
Low Likelihood	There is a pollution linkage and circumstances are possible under which a risk event could occur. However, it is not certain that such an event would take place even over a longer period, and even less likely in the short term.
unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the very long term.

### Comparison of Probability Against Severity of Consequence

		Severity of Consequence			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate/ Low Risk
	Likely	High Risk	Moderate Risk	Moderate/ Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate/ Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate/ Low Risk	Low Risk	Very Low Risk	Very Low Risk

## Risk Categories - Definitions

<b>Very High Risk</b>	High probability that severe harm could arise to a receptor, or there is evidence that severe harm is already occurring. Urgent investigation is required and urgent remediation is likely to be required.
<b>High Risk</b>	Harm is likely to arise to a receptor. Urgent investigation is required and remediation may be necessary in the short term and likely over the longer term.
<b>Moderate Risk</b>	Possible that harm could arise to a receptor, but low likelihood that such harm would be severe. Harm is likely to be mild. Investigation normally required to clarify risk. Some remedial works may be required in the long-term.
<b>Moderate/ Low Risk</b>	Possible that harm could arise to a receptor, but where a combination of likelihood and consequence results in a risk that is above low, but is not of sufficient concern to be classified as mild. Limited further investigation may be required to clarify the risk. If necessary, remediation works are likely to be limited in extent.
<b>Low Risk</b>	Possible that harm could arise to a receptor. Such harm, at worst, would normally be mild.
<b>Very Low Risk</b>	Low possibility that harm could arise to a receptor. Such harm is unlikely to be any worse than mild.

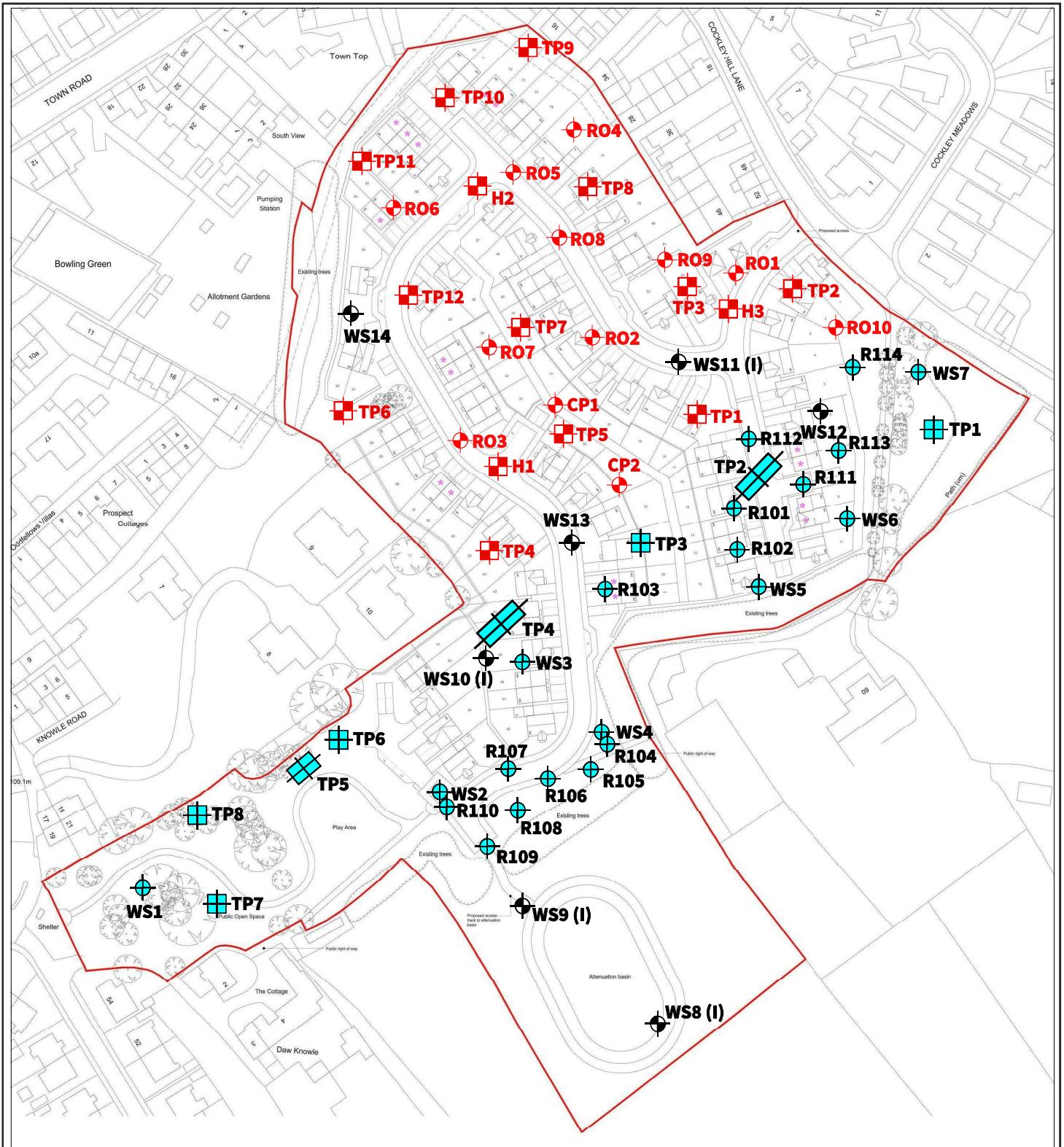
**APPENDIX G**

**INDICATIVE PROPOSED SITE LAYOUT**












## **APPENDIX H**

### **BOREHOLE AND TRIAL PIT LOCATION PLANS AND LOGS**

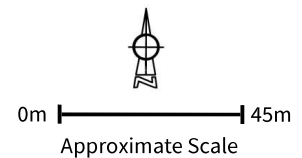


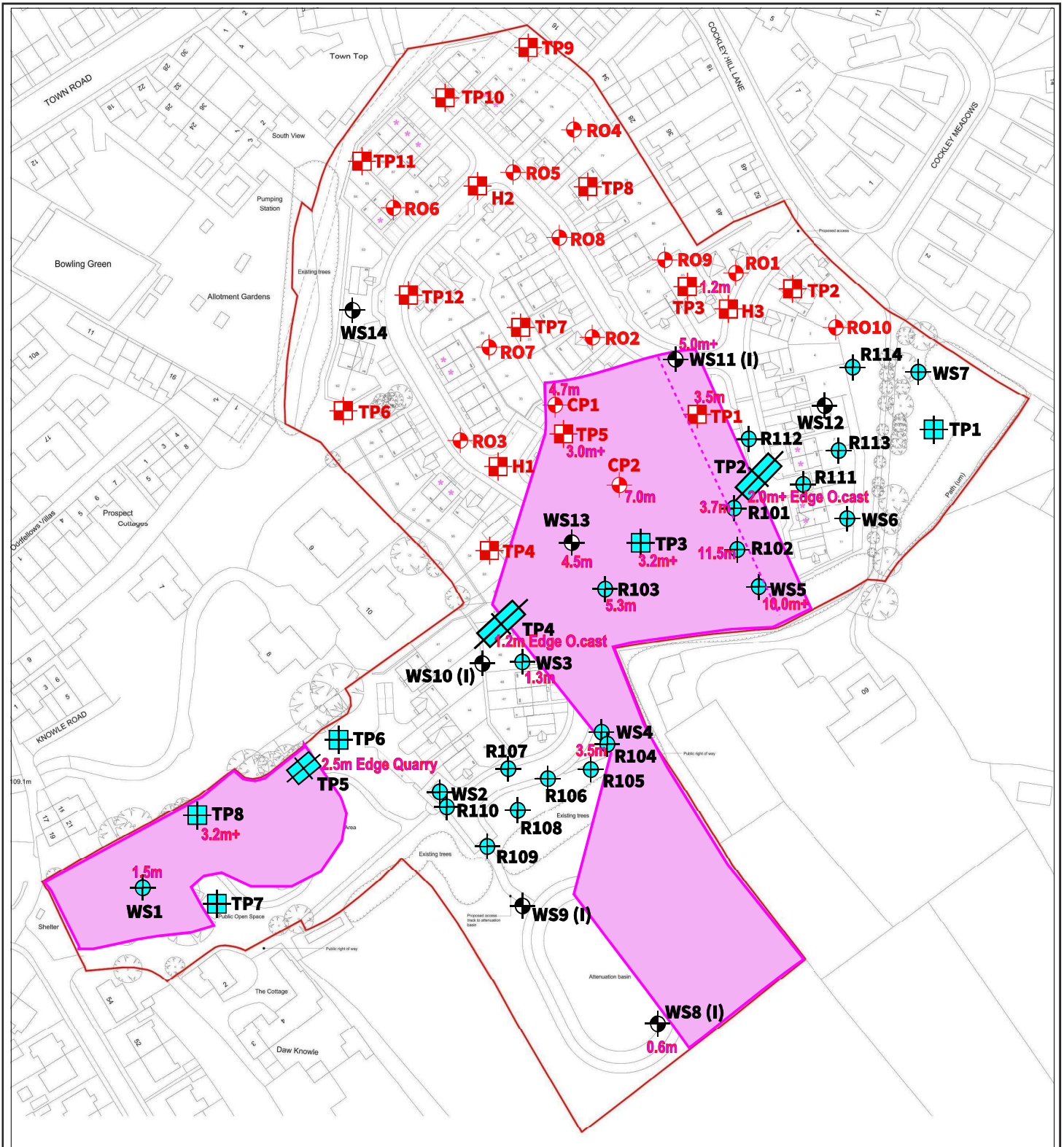
**KEY:**

-  **TP1** Trial pit location July 2016
-  **HP1** Hand pit location December 2016
-  **RO1** Rotary borehole location August 2016
-  **CP1** Cable percussion borehole location August 2016
-  **TP1** Trial pit location February 2019
-  **WS1** Windowless sample borehole location February 2019
-  **R101** Rotary borehole location May 2019
-  **WS9** Windowless sample borehole location September 2025
-  **WS9 (I)** (I) Indicates monitoring well installed



Project	COCKLEY HILL LANE KIRKHEATON, HUDDERSFIELD	Title	EXPLORATORY HOLE LOCATION PLAN	Drawn	Scale
Client	GLEESON HOMES LTD	Date	OCTOBER 2025	Job No.	GHO/11
				JR	AS SHOWN



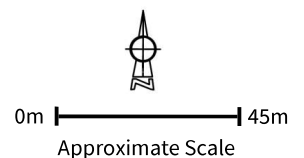


**KEY:**

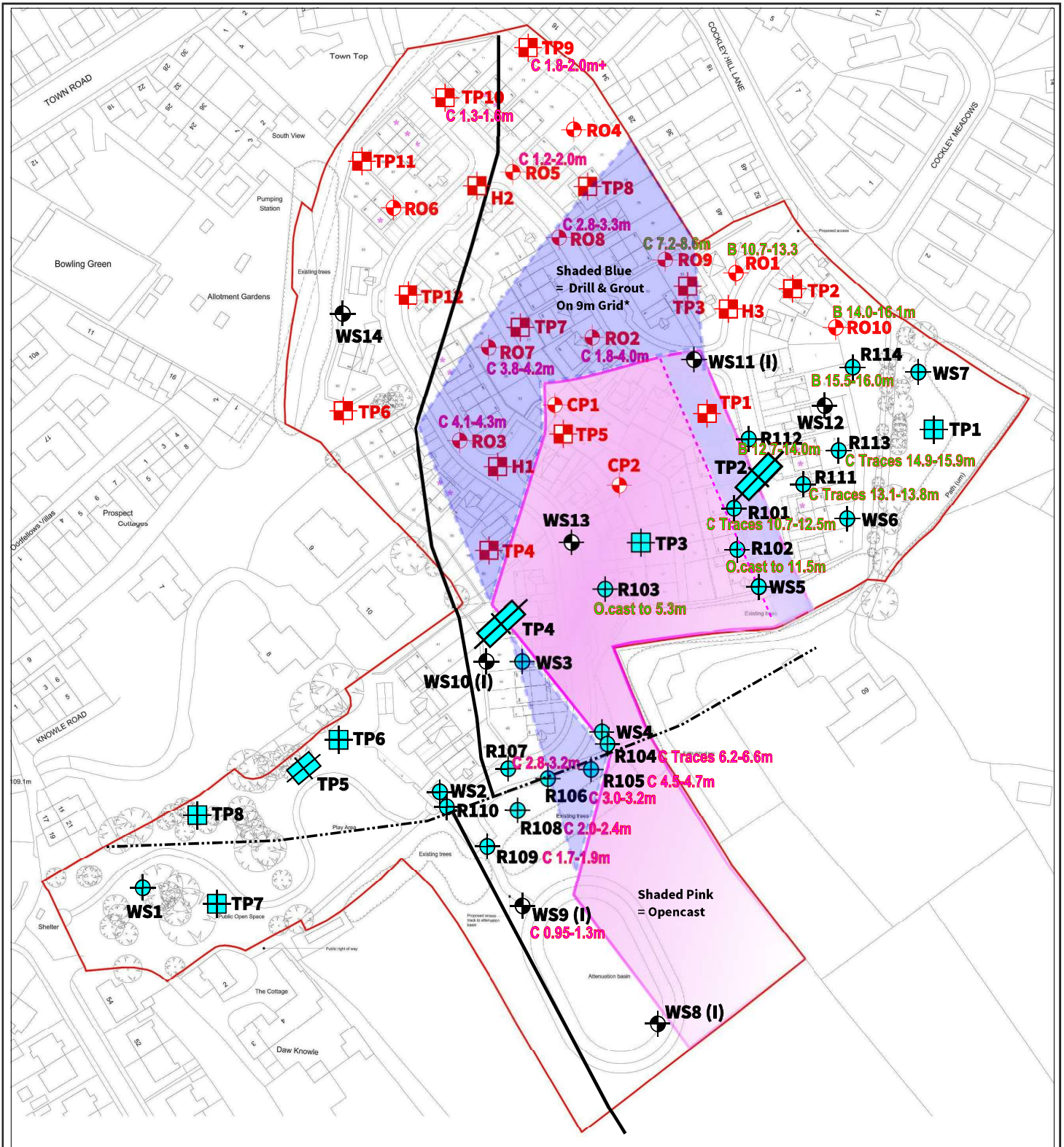
- TP1** Trial pit location July 2016
- HP1** Hand pit location December 2016
- R01** Rotary borehole location August 2016
- CP1** Cable percussion borehole location August 2016
- TP1** Trial pit location February 2019
- WS1** Windowless sample borehole location February 2019
- R101** Rotary borehole location May 2019
- WS9** Windowless sample borehole location September 2025
- WS9 (I)** (I) Indicates monitoring well installed



Project	COCKLEY HILL LANE KIRKHEATON, HUDDERSFIELD	Title	MADE GROUND DEPTHS & APPROXIMATE EXTENT OF OPENCAST AND QUARRY	Drawn	Scale
Client	GLEESON HOMES LTD	Date	OCTOBER 2025	Job No.	GHO/11



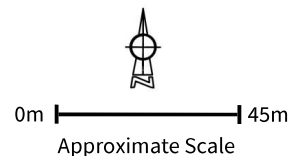




**KEY:**

- TP1** Trial pit location July 2016
- HP1** Hand pit location December 2016
- RO1** Rotary borehole location August 2016
- CP1** Cable percussion borehole location August 2016
- TP1** Trial pit location February 2019
- WS1** Windowless sample borehole location February 2019
- R101** Rotary borehole location May 2019
- WS9** Windowless sample borehole location September 2025
- WS9 (I)** (I) Indicates monitoring well installed
- C 3.0-3.2m** Intact coal depth. If not shaded green, insufficient cover would be present if the coal is worked. If shaded green, sufficient cover is present.
- B 14.0-16.1m** Broken ground depth (underground workings). If shaded green, then Sufficient cover is present and grout treatment is not needed.
- Approximate line of coal seam outcrop
- Approximate line of fault
- \*** Blue shaded area to be drilled and grouted on 9m grid to check for potential workings. Close the grid to 3m if any workings are detected.

<p><b>ARP GEOTECHNICAL LTD</b> CHARTERED CONSULTING ENGINEERS</p> <p><small>Northcott House 5-8 Northcott Business Park, Servia Hill, Leeds LS6 2QH Telephone: 0113 245 5498 Fax: 0113 244 3864 E-Mail: leeds@arpconsultants.co.uk</small></p>	<p>Project COCKLEY HILL LANE KIRKHEATON, HUDDERSFIELD</p>	<p>Title MAP SHOWING COAL &amp; WORKINGS DEPTHS, WHERE ENCOUNTERED &amp; DRILL/GROUT AREA</p>	<p>Drawn JR</p>	<p>Scale AS SHOWN</p>
	<p>Client GLEESON HOMES LTD</p>	<p>Date OCTOBER 2025</p>	<p>Job No. <b>GHO/11</b></p>	





**ARP GEOTECHNICAL LIMITED  
CHARTERED CONSULTING ENGINEERS**

**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**CP1**

<b>Boring Method</b> Trailer mounted cable percussive borehole drilling rig.	<b>Casing Diameter</b>		<b>Ground Level (mOD)</b> 130.00	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418276 E 417994 N		<b>Dates</b> 02/08/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Casing Depth (m)	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						(4.70)	MADE GROUND: Grass on to dark grey mudstone fill (Driller's Description) (Backfilled Opencast Workings).		
					125.30	4.70	Light grey SILTSTONE (Weathered) (LCM).		
					124.50	5.50	Terminated on hard strata. Complete at 5.50m		

<b>Remarks</b> Groundwater not encountered. Casing used from ground level to 5.5m. Gas monitoring well installed to 5m depth. With lower 4m comprising slotted pipe with gravel surround, and upper 1m comprising plain pipe with bentonite seal. Bung and tap provided, with lockable flush cover.	<b>Scale (approx)</b> 1:40	<b>Logged By</b>
	<b>Figure No.</b> CKD/01.CP1	





**GROUND SUPPORT SERVICES (UK) LTD**  
**GEOTECHNICAL AND GROUND SUPPORT FOUNDATION SPECIALISTS**

Unit D2B Bryans Close, Harworth Industrial Estate, Harworth, South Yorkshire, DN11 8RY  
 Phone: 01302 744 322 Email: thomas@groundssupportservices.net

<b>Site Investigation Drillers log</b>			Site: <i>Kirkheaton,</i>			Sheet: <i>1/2</i>				
Rig: <i>Casagrande C6</i>			Crew: <i>J. Stuart, D. Dobbs.</i>			Date: <i>2/8/16.</i>				
Hours on site:				Travelling Time:						
Equipment used:										
BH	Depth	Strata Description	BH	Depth	Strata Description					
<i>1</i>	<i>0.00 - 0.60</i>	<i>Soil</i>	<i>5</i>	<i>0.00 - 1.20</i>	<i>clay</i>					
	<i>0.60 - 4.30</i>	<i>Sand Stone .</i>		<i>1.20 - 2.00</i>	<i>Coal</i>					
	<i>4.30 - 10.70</i>	<i>Grey mudstone</i>		<i>2.00 - 6.00</i>	<i>Sand Stone .</i>					
	<i>10.70 - 13.30</i>	<i>Broken Ground .</i>								
	<i>13.30 - 15.00</i>	<i>Hard Strata .</i>								
<i>2.</i>	<i>0.00 - 1.40</i>	<i>clay</i>	<i>7.</i>	<i>0.00 - 1.20</i>	<i>clay</i>					
	<i>1.40 - 1.80</i>	<i>Sand Stone .</i>		<i>1.20 - 3.80</i>	<i>Sand Stone .</i>					
	<i>1.80 - 4.00</i>	<i>Coal .</i>		<i>3.80 - 4.20</i>	<i>Coal .</i>					
	<i>4.00 - 6.00</i>	<i>Grey mudstone .</i>		<i>4.20 - 6.00</i>	<i>Grey mudstone .</i>					
<i>3.</i>	<i>0.00 - 0.80</i>	<i>clay</i>	<i>8.</i>	<i>0.00 - 1.10</i>	<i>clay</i>					
	<i>0.80 - 4.10</i>	<i>Sand Stone .</i>		<i>1.10 - 2.80</i>	<i>Sand Stone .</i>					
	<i>4.10 - 4.30</i>	<i>Coal .</i>		<i>2.80 - 3.30</i>	<i>Coal</i>					
<i>4</i>	<i>0.00 - 1.30</i>	<i>clay</i>		<i>3.30 - 4.20</i>	<i>Grey mudstone</i>					
	<i>1.30 - 3.00</i>	<i>Hard Strata</i>		<i>4.20 - 6.00</i>	<i>Sand Stone</i>					
		<i>no returns.</i>	<i>9</i>	<i>0.00 - 1.40</i>	<i>clay</i>					
				<i>1.40 - 4.30</i>	<i>Sand Stone .</i>					
				<i>4.30 - 7.20</i>	<i>Grey mudstone .</i>					
				<i>7.20 - 8.60</i>	<i>Coal .</i>					
				<i>8.60 - 10.00</i>	<i>Sand Stone .</i>					
<b>Casing / Water level details</b>										
BH	Casing Die	Casing Depth	Strike	Water Rise	Sealed	Totals	BH's	Drill	Case	Core
						Today				
						Previous				
						To date				

Signed *J. Stuart* ..... Driller



**GROUND SUPPORT SERVICES (UK) LTD**  
**GEOTECHNICAL AND GROUND SUPPORT FOUNDATION SPECIALISTS**

Unit D2B Bryans Close, Harworth Industrial Estate, Harworth, South Yorkshire, DN11 8RY  
 Phone: 01302 744 322 Email: thomas@groundsupportservices.net

<b>Site Investigation Drillers log</b>			Site: <i>Kirkheaton</i>			Sheet: <i>2/2</i>				
Rig: <i>Casagrande CG</i>			Crew: <i>J. Stuart, D. Dobbs</i>			Date: <i>2/8/16</i>				
Hours on site:				Travelling Time:						
Equipment used:										
BH	Depth	Strata Description	BH	Depth	Strata Description					
<i>10</i>	<i>0.00 - 1.10</i>	<i>clay</i>								
	<i>1.10 - 4.60</i>	<i>Sand Stone</i>								
	<i>4.60 - 14.00</i>	<i>Grey mudstone</i>								
	<i>14.00 - 16.10</i>	<i>Broken ground</i>								
	<i>16.10 - 18.00</i>	<i>Hard Strata</i>								
<i>GW all Gas wells installed to</i>										
<i>1</i>	<i>3M, from</i>	<i>3.00mt - 1.00mt</i>								
<i>3</i>	<i>we used</i>	<i>Slotted Pipe</i>								
<i>5</i>	<i>and from</i>	<i>1.00mt - 0.00mt</i>								
	<i>we used</i>	<i>Plain Pipe</i>								
	<i>3 Gas taps</i>	<i>3 end caps</i>								
	<i>3, Steel covers</i>									
<b>Casing / Water level details</b>										
BH	Casing Die	Depth	Strike	Water Rise	Sealed	Totals	BH's	Drill	Case	Core
						Today	<i>13</i>	<i>90</i>		
						Previous	<i>-</i>	<i>-</i>		
						To date	<i>13</i>	<i>90</i>		

Signed... *Stuart* ..... Driller



**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

**Site**  
Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP01**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1				(0.20)	Turf over dark greyish brown slightly clayey sandy TOPSOIL. Abundant rootlets.		
0.30	HSV 66.67kPa		65,65,70/Av. 66.67		(0.20) (0.40)	MADE GROUND: Firm orangish brown and grey slightly gravelly CLAY. Gravel is angular and subangular, of sandstone, mudstone and siltstone.		
1.20-1.50	D2				(3.10)	MADE GROUND: Dark greyish and brown clayey fine to coarse angular and subangular (often tabular) GRAVEL of sandstone, mudstone and siltstone. Abundant gravel sized fragments of coal. Medium angular tabular cobble content, of sandstone and siltstone (Backfilled Opencast).		
3.20-3.50	D3				3.50	Terminated in made ground. Complete at 3.50m		

<b>Plan</b> .	<b>Remarks</b>		
	Groundwater not encountered. Pit sides generally remained stable for the short period of exposure. Backfilled with arisings on completion.		
	<b>Scale (approx)</b>	<b>Logged By</b>	<b>Figure No.</b>
	1:25	EGH	CKD/01.TP01



**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

**Site**  
 Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP02**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1				(0.20)	Turf over dark greyish brown slightly clayey slightly sandy TOPSOIL.		
					0.20	Orangish brown and grey gravelly CLAY (with pockets of clayey gravel). Gravel is angular tabular, of sandstone. (Completely Weathered Mudstone).		
					(0.30)			
					0.50	Orangish brown and grey angular tabular GRAVEL of mudstone. (Highly Weathered Mudstone).		
					(1.20)			
					1.70	(At least) very weak, 40mm bedded, yellowish brown, fine to coarse grained SANDSTONE. Recovered as angular and subangular gravel and cobbles of sandstone (LCM). Terminated in hard strata.		
				(0.10)				
					1.80	Complete at 1.80m		

<b>Plan</b> .	<b>Remarks</b> Groundwater not encountered. Pit sides generally remained stable for the short period of exposure. Backfilled with arisings on completion.					
	<table border="1"> <tr> <td><b>Scale (approx)</b></td> <td><b>Logged By</b></td> <td><b>Figure No.</b></td> </tr> <tr> <td>1:25</td> <td>EGH</td> <td>CKD/01.TP02</td> </tr> </table>	<b>Scale (approx)</b>	<b>Logged By</b>	<b>Figure No.</b>	1:25	EGH
<b>Scale (approx)</b>	<b>Logged By</b>	<b>Figure No.</b>				
1:25	EGH	CKD/01.TP02				



**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

**Site**  
Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP03**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.30	D1				(0.30)	Turf over dark greyish brown slightly clayey sandy TOPSOIL.		
0.40	HSV 80kPa		80,85,75/Av. 80.00		0.30 (0.90)	MADE GROUND: Orangish brown mottled grey slightly gravelly CLAY. Gravel is angular tabular, of siltstone, mudstone and sandstone. Medium angular to rounded cobble content, of siltstone.		
1.20	HSV 71.67kPa		70,75,70/Av. 71.67		1.20	Medium strength (firm) orangish brown mottled grey slightly gravelly CLAY. Gravel is angular tabular, of mudstone (Completely Weathered Mudstone).		
1.50-1.80	D2				(1.30)			
					2.50 (0.40)	Orangish brown and grey slightly clayey angular tabular GRAVEL of mudstone. (Highly Weathered Mudstone).		
					2.90 (0.10) 3.00	Weak, thickly laminated, dark greyish brown MUDSTONE. Recovered as angular tabular gravel. (LCM). Terminated in hard strata.		
						Complete at 3.00m		

<b>Plan</b> .	<b>Remarks</b>		
	Groundwater not encountered. Pit sides generally remained stable for the short period of exposure. Backfilled with arisings on completion.		
	<b>Scale (approx)</b>	<b>Logged By</b>	<b>Figure No.</b>
	1:25	EGH	CKD/01.TP03



**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

**Site**  
 Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP04**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.25	D1				(0.25)	Turf over dark greyish brown slightly sandy clayey TOPSOIL.		
0.50-0.80	D2				0.25	Medium strength (firm) orangish brown and grey CLAY. (Completely Weathered Mudstone).		
0.60	HSV 68.33kPa		70,65,70/Av. 68.33		(1.25)			
1.50-1.80	D3				1.50	Dark greyish brown and dark brown angular tabular GRAVEL of mudstone. Medium angular tabular cobble content, of mudstone. (Highly Weathered Mudstone).		
					(1.00)	At 1.7m: Thin bed (40mm) of angular gravel and cobbles, of sandstone.		
					2.50 (0.20)	Weak, thickly laminated, dark greyish brown MUDSTONE. Recovered as angular tabular gravel and cobbles (LCM).		
					2.70	Terminated in hard strata. Complete at 2.70m		

<b>Plan</b> 	<b>Remarks</b>		
	Groundwater was present at the surface, underlain by natural clays. Slight groundwater seepage below 1.5m. Pit sides generally remained stable for the short period of exposure. Backfilled with arisings on completion.		
	<b>Scale (approx)</b>	<b>Logged By</b>	<b>Figure No.</b>
	1:25	EGH	CKD/01.TP04



**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

**Site**  
 Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP05**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1				(0.20) 0.20	Turf over dark greyish brown slightly sandy slightly clayey slightly gravelly TOPSOIL. Gravel is angular tabular, of mudstone and siltstone. Trace gravel sized fragments of coal.		
0.50-0.80	D2				(1.90)	MADE GROUND: Dark grey and brownish grey gravelly CLAY. Gravel is angular tabular, of siltstone and mudstone (Backfilled Opencast).		1
2.10-2.40	D3		Water strike(1) at 1.60m.		2.10	MADE GROUND: Grey and greyish brown angular tabular GRAVEL of siltstone. Medium subangular to subrounded cobble content, of siltstone.		2
			Water strike(2) at 2.10m.		(0.90) 3.00	Terminated due to rapid groundwater ingress through the coarse granular made ground. Complete at 3.00m		

<b>Plan</b> .	<b>Remarks</b>		
	Moderate groundwater ingress below 1.6m. Rapid groundwater ingress below 2.1m. Moderate instability of the pit sides below 2.1m. Backfilled with arisings on completion.		
	<b>Scale (approx)</b>	<b>Logged By</b>	<b>Figure No.</b>
	1:25	EGH	CKD/01.TP05



**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

**Site**  
 Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP06**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1				(0.20)	Turf over dark greyish brown slightly clayey slightly sandy slightly gravelly TOPSOIL. Gravel is subangular, of sandstone. Trace gravel sized fragments of ceramic.		
					0.20			
					(0.30)	Orangish brown clayey fine to coarse SAND. (Completely Weathered Sandstone).		
					0.50			
					(0.50)	Orangish brown clayey sandy fine to coarse angular and subangular GRAVEL of sandstone. (Completely Weathered Sandstone).		
					1.00			
					(0.50)	Yellowish brown and dark brown sandy fine to coarse angular tabular GRAVEL of sandstone. Medium angular tabular cobble content, of sandstone. (Highly Weathered Sandstone).		
1.50-1.80	D2				1.50			
					(0.20)	Extremely weak, thickly laminated (up to 10mm bedded), yellowish brown and dark brown, fine to coarse grained, SANDSTONE. Recovered as angular tabular gravel of sandstone (LCM).		
					1.70	Terminated in hard strata.		
						Complete at 1.70m		

<b>Plan</b> 	<b>Remarks</b>		
	No groundwater entries recorded. Trial pit sides remained stable for the short period of exposure. Backfilled with arisings on completion.		
	<b>Scale (approx)</b>	<b>Logged By</b>	<b>Figure No.</b>
	1:25	EGH	CKD/01.TP06



**ARP GEOTECHNICAL LIMITED**  
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**Site**  
 Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP07**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1				0.20	Turf over dark greyish brown slightly clayey slightly sandy slightly gravelly TOPSOIL. Gravel is subangular, of sandstone.		
0.70	HSV 55kPa		60,55,50/Av. 55.00		1.40	Firm (medium strength) orangish brown and grey slightly sandy CLAY (Completely Weathered Mudstone). At 0.4m: Ceramic land drain identified at 0.4m depth, orientated north to south.		
1.60-1.80	D2				1.60 (0.20)	Grey angular tabular GRAVEL of mudstone. (Highly Weathered Mudstone).		
					1.80 (0.20)	Extremely weak, thinly laminated (up to 6mm bedded), grey, MUDSTONE. Recovered as angular tabular gravel (LCM).		
					2.00	Complete at 2.00m		

<b>Plan</b> .	<b>Remarks</b> Slight groundwater seepage below 1.6m. Trial pit sides remained stable for the short period of exposure. Backfilled with arisings on completion.					
	<table border="1"> <tr> <td><b>Scale (approx)</b></td> <td><b>Logged By</b></td> <td><b>Figure No.</b></td> </tr> <tr> <td>1:25</td> <td>EGH</td> <td>CKD/01.TP07</td> </tr> </table>	<b>Scale (approx)</b>	<b>Logged By</b>	<b>Figure No.</b>	1:25	EGH
<b>Scale (approx)</b>	<b>Logged By</b>	<b>Figure No.</b>				
1:25	EGH	CKD/01.TP07				



**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

**Site**  
 Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP08**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1				(0.30)	Turf over dark greyish brown slightly clayey slightly sandy slightly gravelly TOPSOIL. Gravel is subangular, of sandstone.		
0.70	HSV 75kPa		75,70,80/Av. 75.00		0.30	High strength (stiff) orangish brown and grey CLAY (Completely Weathered Mudstone).		
1.20 1.20-1.40	HSV 140kPa D2		140,140,140/Av. 140.00		(1.90)	From 1.2m: Very high strength (very stiff).		
					2.20 (0.50)	Greyish brown and orangish brown fine to coarse angular tabular GRAVEL of mudstone. (Highly Weathered Mudstone).		
					2.70 (0.10) 2.80	Extremely weak, thickly laminated (up to 10mm bedded), greyish brown and orangish brown, MUDSTONE. Recovered as angular tabular gravel (LCM). Complete at 2.80m		

<b>Plan</b> .	<b>Remarks</b> No groundwater entries recorded. Trial pit sides remained stable for the short period of exposure. Backfilled with arisings on completion.		
	<table border="1"> <tr> <td><b>Scale (approx)</b> 1:25</td> <td><b>Logged By</b> EGH</td> <td><b>Figure No.</b> CKD/01.TP08</td> </tr> </table>	<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH
<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH	<b>Figure No.</b> CKD/01.TP08	



**ARP GEOTECHNICAL LIMITED  
CHARTERED CONSULTING ENGINEERS**

**Site**  
Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP09**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b> 133.00	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418267 E 418111 N		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.30	D1			132.70	(0.30)	Turf over dark greyish brown slightly clayey slightly gravelly sandy TOPSOIL. Gravel is subangular, of sandstone.		
0.70	HSV 71.67kPa		70,70,75/Av. 71.67		(1.10)	MADE GROUND: Medium strength (firm) orangish brown and grey CLAY.		
				131.60	(0.40)	MADE GROUND: Yellowish brown (up to 100mm bedded) angular tabular COBBLES of sandstone.		
				131.20	1.80	From 1.6m: Buried ceramic land drain, orientated NE-SW, steeply inclined to the south, possibly leading to a soakaway.		
				131.00	(0.20)	Dark greyish black, lustrous, COAL. Recovered as angular gravel (Better Bed).		
					2.00	Terminated due to drain intersecting pit. Complete at 2.00m		

<b>Plan</b> 	<b>Remarks</b>		
	Groundwater not encountered. Pit sides generally remained stable for the short period of exposure. Backfilled with arisings on completion.		
	<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH	<b>Figure No.</b> CKD/01.TP09



**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

**Site**  
 Cockley Hill Lane, Kirkheaton  
**Trial Pit Number**  
**TP10**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b> 131.40	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418255 E 418098 N		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1			131.20	(0.20) 0.20	Turf over dark greyish brown slightly clayey slightly sandy TOPSOIL.		
0.70	HSV 80kPa		70,70,100/Av. 80.00		(1.10)	Borderline medium strength (firm) to high strength (stiff) orangish brown and grey slightly gravelly CLAY. Gravel is angular and subangular, of sandstone. (Completely Weathered Mudstone).		
1.60 1.60-1.80	HSV 76.67kPa D2		80,80,70/Av. 76.67	130.10 129.80	1.30 (0.30) 1.60	Dark greyish black, lustrous COAL. Recovered as angular gravel (slightly weathered in pockets) (Better Bed).		
					(1.20)	High strength (stiff) dark grey CLAY. (Fireclay?).		
				128.60 128.40	2.80 (0.20) 3.00	Extremely weak, thickly laminated, pale grey and buff grey MUDSTONE. Recovered as angular tabular gravel (LCM).		
						Terminated in hard strata. Complete at 3.00m		

<b>Plan</b> 	<b>Remarks</b>		
	Slight groundwater seepage from 1.3m. Pit sides generally remained stable for the short period of exposure. Backfilled with arisings on completion.		
	<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH	<b>Figure No.</b> CKD/01.TP10



**ARP GEOTECHNICAL LIMITED  
CHARTERED CONSULTING ENGINEERS**

**Site**  
Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP11**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418255 E 418098 N		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1				(0.20) 0.20  (0.80)  1.00 (0.10) 1.10	Turf over dark greyish brown slightly clayey slightly sandy slightly gravelly TOPSOIL. Gravel is subangular, of sandstone.  Orangish brown slightly sandy clayey fine to coarse angular tabular GRAVEL of sandstone (Highly Weathered Sandstone).  Medium strong, thinly bedded (up to 100mm bedded), yellowish brown, fine to coarse grained, SANDSTONE. Recovered as subangular tabular gravel and cobbles (LCM). Complete at 1.10m		

<b>Plan</b> .	<b>Remarks</b> No groundwater entries recorded. Pit sides generally remained stable for the short period of exposure. Backfilled with arisings on completion.		
	<table border="1"> <tr> <td><b>Scale (approx)</b> 1:25</td> <td><b>Logged By</b> EGH</td> <td><b>Figure No.</b> CKD/01.TP11</td> </tr> </table>	<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH
<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH	<b>Figure No.</b> CKD/01.TP11	



**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

**Site**  
 Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**TP12**

<b>Excavation Method</b> JCB 3CX backhoe excavator with two foot wide toothed bucket.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 18/07/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.30	D1				(0.30)	Turf over dark greyish brown slightly clayey slightly sandy TOPSOIL.		
					0.30	Orangish brown clayey fine to coarse SAND. (Completely Weathered Sandstone).		
					(0.90)			
					1.20	Medium strong, very thinly bedded (up to 30mm bedded), yellowish brown fine to coarse grained SANDSTONE. Recovered as angular tabular cobbles (LCM).		
					1.50	Complete at 1.50m		

<b>Plan</b> .	<b>Remarks</b> No groundwater entries recorded. Pit sides generally remained stable for the short period of exposure. Backfilled with arisings on completion. Pit extended to the east by 7m. Attempting to locate line of conjectured coal outcrop (Better Bed).		
	<table border="1"> <tr> <td><b>Scale (approx)</b> 1:25</td> <td><b>Logged By</b> EGH</td> <td><b>Figure No.</b> CKD/01.TP12</td> </tr> </table>	<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH
<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH	<b>Figure No.</b> CKD/01.TP12	



**ARP GEOTECHNICAL LIMITED  
CHARTERED CONSULTING ENGINEERS**

**Site**  
Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**H1**

<b>Excavation Method</b> Excavated by hand.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 01/12/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1				(0.20) 0.20 	Turf over dark greyish brown slightly clayey sandy TOPSOIL. Terminated at the base of the topsoil. Complete at 0.20m		

<b>Plan</b> 	<b>Remarks</b> Groundwater not encountered. Backfilled with arisings on completion.		
	<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH	<b>Figure No.</b> CKD/01.H1



**ARP GEOTECHNICAL LIMITED  
CHARTERED CONSULTING ENGINEERS**

**Site**  
Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**H2**

<b>Excavation Method</b> Excavated by hand.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 01/12/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1				0.20	Turf over dark greyish brown slightly clayey slightly gravelly sandy TOPSOIL. Gravel is subangular, of sandstone. Terminated at the base of the topsoil. Complete at 0.20m		

<b>Plan</b> .	<b>Remarks</b> Groundwater not encountered. Backfilled with arisings on completion.		
	<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH	<b>Figure No.</b> CKD/01.H2



**ARP GEOTECHNICAL LIMITED  
CHARTERED CONSULTING ENGINEERS**

**Site**  
Cockley Hill Lane, Kirkheaton

**Trial Pit Number**  
**H3**

<b>Excavation Method</b> Excavated by hand.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b>		<b>Dates</b> 01/12/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.00-0.20	D1				(0.20) 0.20 	Turf over dark greyish brown slightly clayey sandy TOPSOIL. Terminated at the base of the topsoil. Complete at 0.20m		

<b>Plan</b> 	<b>Remarks</b> Groundwater not encountered. Backfilled with arisings on completion.		
	<b>Scale (approx)</b> 1:25	<b>Logged By</b> EGH	<b>Figure No.</b> CKD/01.H3

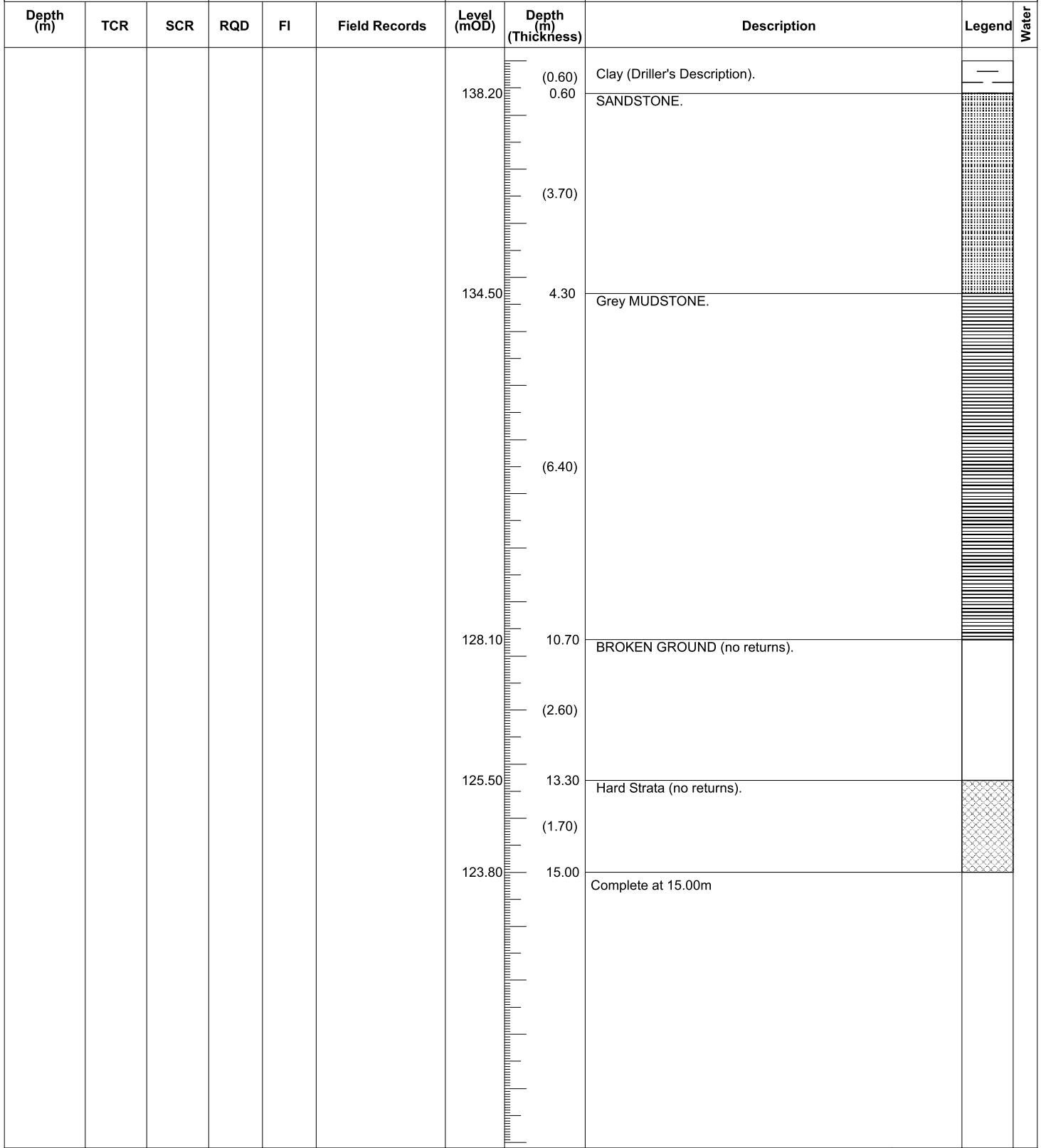


**ARP GEOTECHNICAL LIMITED**  
**CHARTERED CONSULTING ENGINEERS**

**Site**  
 Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R01**

<b>Machine :</b>			<b>Casing Diameter</b>			<b>Ground Level (mOD)</b>		<b>Client</b>			<b>Job Number</b>	
Flush :						138.80		Cockley Developments Ltd			CKD/01	
Core Dia: mm			<b>Location</b>			<b>Dates</b>		<b>Engineer</b>			<b>Sheet</b>	
Method : Rotary Cored			418333 E 418034 N			02/08/2016		ARP			1/1	



**Remarks**  
 Groundwater not encountered.  
 Casing not used.  
 Borehole backfilled with arisings on completion.

**Scale (approx)**  
 1:100

**Logged By**  
 JS and EGH

**Figure No.**  
 CKD/01.R01



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**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R01A**

<b>Machine :</b>		<b>Casing Diameter</b>	<b>Ground Level (mOD)</b>		<b>Client</b>		<b>Job Number</b>		
<b>Flush :</b>			138.80		Cockley Developments Ltd		CKD/01		
<b>Core Dia: mm</b>		<b>Location</b>	<b>Dates</b>		<b>Engineer</b>		<b>Sheet</b>		
<b>Method : Rotary Cored</b>			418333 E 418034 N		02/08/2016		ARP		1/1

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						138.20	(0.60) 0.60	Clay (Driller's Description).		
							(2.40)	SANDSTONE.		
						135.80	3.00	Complete at 3.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Gas monitoring well installed to 3m depth. With lower 2m comprising slotted pipe with gravel surround, and upper 1m comprising plain pipe with bentonite cap. Bung and tap provided, with lockable flush cover.	<b>Scale (approx)</b>	<b>Logged By</b>
	1:100	JS and EGH
	<b>Figure No.</b> CKD/01.R01A	



**ARP GEOTECHNICAL LIMITED  
CHARTERED CONSULTING ENGINEERS**

**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R02**

<b>Machine :</b> <b>Flush :</b> <b>Core Dia: mm</b> <b>Method :</b> Rotary Cored	<b>Casing Diameter</b>	<b>Ground Level (mOD)</b> 131.70	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418288 E 418016 N	<b>Dates</b> 02/08/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
							(1.40)	Clay (Driller's Description).	---	
						130.30	1.40 (0.40)	SANDSTONE.	▨	
						129.90	1.80	COAL (Better Bed).	■	
							(2.20)			
						127.70	4.00	Grey MUDSTONE.	▨	
							(2.00)			
						125.70	6.00	Complete at 6.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Borehole backfilled with arisings on completion.	<b>Scale (approx)</b>	<b>Logged By</b>
	1:100	JS and EGH
	<b>Figure No.</b> CKD/01.R02	



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**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R03**

<b>Machine :</b> <b>Flush :</b> <b>Core Dia:</b> mm <b>Method :</b> Rotary Cored	<b>Casing Diameter</b>	<b>Ground Level (mOD)</b> 127.30	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418245 E 417982 N	<b>Dates</b> 02/08/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						126.50	(0.80) 0.80	Clay.	---	
							(3.30)	SANDSTONE.	[Pattern]	
						123.20 123.00	4.10 4.30	COAL (Better Bed).	[Pattern]	
							(1.70)	SANDSTONE.	[Pattern]	
						121.30	6.00	Complete at 6.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Borehole backfilled with arisings on completion.	<b>Scale (approx)</b>	<b>Logged By</b>
	1:100	JS and EGH
	<b>Figure No.</b> CKD/01.R03	



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**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R03A**

<b>Machine :</b>		<b>Casing Diameter</b>	<b>Ground Level (mOD)</b> 127.30		<b>Client</b> Cockley Developments Ltd		<b>Job Number</b> CKD/01		
<b>Flush :</b>			<b>Location</b> 418245 E 417982 N		<b>Dates</b> 02/08/2016		<b>Engineer</b> ARP		
<b>Core Dia: mm</b>								<b>Sheet</b> 1/1	
<b>Method : Rotary Cored</b>									

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						126.50	(0.80) 0.80	Clay.	---	
							(2.20)	SANDSTONE.	█	
						124.30	3.00	Complete at 6.00m		

**Remarks**  
Groundwater not encountered.  
Casing not used.  
Gas monitoring well installed to 3m. With lower 2m comprising slotted pipe with gravel surround, and upper 1m comprising plain pipe with bentonite cap. Bung and tap are provided, with a lockable flush cover.

**Scale (approx)**  
1:100

**Logged By**  
JS and EGH

**Figure No.**  
CKD/01.R03A



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**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R04**

<b>Machine :</b> <b>Flush :</b> <b>Core Dia:</b> mm <b>Method :</b> Rotary Cored	<b>Casing Diameter</b>	<b>Ground Level (mOD)</b> 133.20	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418277 E 418083 N	<b>Dates</b> 02/08/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						131.90	(1.30)	Clay.	---	
						130.20	1.30 (1.70)	Hard strata (no returns). From 1.3m to 3m: Loss of flush (no returns). Possibly due to a buried soakaway adjacent to the borehole.	XXXXXX	
							3.00	Complete at 3.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Borehole backfilled with arisings on completion.	<b>Scale (approx)</b> 1:100	<b>Logged By</b> JS and EGH
	<b>Figure No.</b> CKD/01.R04	



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**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R05**

<b>Machine :</b>		<b>Casing Diameter</b>	<b>Ground Level (mOD)</b>		<b>Client</b>		<b>Job Number</b>		
<b>Flush :</b>			133.10		Cockley Developments Ltd		CKD/01		
<b>Core Dia: mm</b>		<b>Location</b>	<b>Dates</b>		<b>Engineer</b>		<b>Sheet</b>		
<b>Method : Rotary Cored</b>			418270 E 418076 N		02/08/2016		ARP		1/1

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
							(1.20)	Clay.	---	
						131.90	1.20 (0.80)	COAL (Better Bed).	■	
						131.10	2.00	SANDSTONE.	▒	
							(4.00)			
						127.10	6.00	Complete at 6.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Borehole backfilled with arisings on completion.								<b>Scale (approx)</b> 1:100	<b>Logged By</b> JS and EGH
								<b>Figure No.</b> CKD/01.R05	



**ARP GEOTECHNICAL LIMITED**  
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**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R05A**

<b>Machine :</b>		<b>Casing Diameter</b>	<b>Ground Level (mOD)</b>		<b>Client</b>	<b>Job Number</b>
<b>Flush :</b>			133.10		Cockley Developments Ltd	CKD/01
<b>Core Dia: mm</b>		<b>Location</b>	<b>Dates</b>		<b>Engineer</b>	<b>Sheet</b>
<b>Method : Rotary Cored</b>			02/08/2016		ARP	1/1
		418270 E 418076 N				

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
							(1.20)	Clay.	---	
						131.90	1.20 (0.80)	COAL (Better Bed).	■	
						131.10	2.00	SANDSTONE.	▒	
							(4.00)			
						127.10	6.00	Complete at 6.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Gas monitoring well installed to 3m. With lower 2m comprising slotted pipe with gravel surround, and upper 1m comprising plain pipe with bentonite cap. Bung and tap are provided, with a lockable flush cover.	<b>Scale (approx)</b>	<b>Logged By</b>
	1:100	JS and EGH
	<b>Figure No.</b> CKD/01.R05A	



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**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R06**

<b>Machine :</b>		<b>Casing Diameter</b>	<b>Ground Level (mOD)</b>		<b>Client</b>		<b>Job Number</b>	
<b>Flush :</b>			128.00		Cockley Developments Ltd		CKD/01	
<b>Core Dia: mm</b>		<b>Location</b>	<b>Dates</b>		<b>Engineer</b>		<b>Sheet</b>	
<b>Method : Rotary Cored</b>			418223 E 418059 N		02/08/2016		ARP	

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						126.70	(1.30) 1.30	Clay.	---	
							(4.70)	SANDSTONE.	█	
						122.00	6.00	Complete at 6.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Borehole backfilled with arisings on completion.	<b>Scale (approx)</b>	<b>Logged By</b>
	1:100	JS and EGH
	<b>Figure No.</b> CKD/01.R06	



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**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R07**

<b>Machine :</b> <b>Flush :</b> <b>Core Dia:</b> mm <b>Method :</b> Rotary Cored	<b>Casing Diameter</b>	<b>Ground Level (mOD)</b> 128.70	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418255 E 418013 N	<b>Dates</b> 02/08/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
							(1.20)	Clay.	---	
						127.50	1.20	SANDSTONE.	▒	
							(2.60)			
						124.90	3.80	COAL (Better Bed).	■	
						124.50	(0.40) 4.20	Grey MUDSTONE.	▒	
							(1.80)			
						122.70	6.00	Complete at 6.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Borehole backfilled with arisings on completion.	<b>Scale (approx)</b>	<b>Logged By</b>
	1:100	JS and EGH
	<b>Figure No.</b> CKD/01.R07	



**ARP GEOTECHNICAL LIMITED  
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**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R08**

<b>Machine :</b> <b>Flush :</b> <b>Core Dia:</b> mm <b>Method :</b> Rotary Cored	<b>Casing Diameter</b>	<b>Ground Level (mOD)</b> 132.00	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418278 E 418049 N	<b>Dates</b> 02/08/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
							(1.10)	Clay.	---	
						130.90	1.10	SANDSTONE.	▒	
							(1.70)			
						129.20	2.80 (0.50)	COAL (Better Bed).	■	
						128.70	3.30	Grey MUDSTONE.	▒	
							(0.90)			
						127.80	4.20	SANDSTONE.	▒	
							(1.80)			
						126.00	6.00	Complete at 6.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Borehole backfilled with arisings on completion.	<b>Scale (approx)</b>	<b>Logged By</b>
	1:100	JS and EGH
	<b>Figure No.</b> CKD/01.R08	



**ARP GEOTECHNICAL LIMITED  
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**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R09**

<b>Machine :</b> <b>Flush :</b> <b>Core Dia: mm</b> <b>Method :</b> Rotary Cored	<b>Casing Diameter</b>  	<b>Ground Level (mOD)</b> 135.10	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418311 E 418042 N	<b>Dates</b> 02/08/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
							(1.40)	Clay.	---	
						133.70	1.40	SANDSTONE.	[Dotted pattern]	
							(2.90)			
						130.80	4.30	Grey MUDSTONE.	[Horizontal lines pattern]	
							(2.90)			
						127.90	7.20	COAL.	[Solid black pattern]	
							(1.40)			
						126.50	8.60	SANDSTONE.	[Dotted pattern]	
							(1.40)			
						125.10	10.00	Complete at 10.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Borehole backfilled with arisings on completion.	<b>Scale (approx)</b> 1:100	<b>Logged By</b> JS and EGH
	<b>Figure No.</b> CKD/01.R09	



**ARP GEOTECHNICAL LIMITED  
CHARTERED CONSULTING ENGINEERS**

**Site**  
Cockley Hill Lane, Kirkheaton

**Borehole Number**  
**R10**

<b>Machine :</b> <b>Flush :</b> <b>Core Dia: mm</b> <b>Method :</b> Rotary Cored	<b>Casing Diameter</b>	<b>Ground Level (mOD)</b> 143.70	<b>Client</b> Cockley Developments Ltd	<b>Job Number</b> CKD/01
	<b>Location</b> 418369 E 418019 N	<b>Dates</b> 02/08/2016	<b>Engineer</b> ARP	<b>Sheet</b> 1/1

Depth (m)	TCR	SCR	RQD	FI	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						142.60	1.10	Clay.		
							(3.50)	SANDSTONE.		
						139.10	4.60	Grey MUDSTONE.		
							(9.40)			
						129.70	14.00	BROKEN GROUND (no returns).		
							(2.10)			
						127.60	16.10	Hard strata (no returns).		
							(1.90)			
						125.70	18.00	Complete at 18.00m		

<b>Remarks</b> Groundwater not encountered. Casing not used. Borehole backfilled with arisings on completion.	<b>Scale (approx)</b>	<b>Logged By</b>
	1:100	JS and EGH
	<b>Figure No.</b> CKD/01.R10	

Project Name: Cockley Hill Lane

 Project No.  
CKD/02

Co-ords: -

 Date  
18/02/2019

Location: Kirkheaton, Huddersfield

Level:

 Scale  
1:40

Client: Cockley Developments Ltd

Rig Crew: RP Drilling

 Logged:  
OG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.25		Dark brown slightly clayey sandy TOPSOIL.		
		0.50 - 0.60	ES				MADE GROUND: brown and grey locally black (0.5m to 0.6m) gravelly sand. Gravel is angular of sandstone, mudstone and occasional wood. (Possible backfilled quarry). <i>20mm diameter root at 0.25m.</i> <i>40mm diameter root at 0.5m to 0.6m.</i>	1	
		1.00	SPT	N=21 (3,3/4,5,6,6)	1.30 1.50		MADE GROUND: Stiff orangish brown slightly sandy silty CLAY.		
		2.00	SPT	50 (10,13/50 for 125mm)	1.90 2.28		Dark grey sandy angular GRAVEL of thinly laminated mudstone. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata]. Very weak dark grey MUDSTONE. Recovered as angular gravel. [Pennine Lower Coal Measures]. End of Borehole at 2.280m Terminated on SPT refusal.	2	
								3	
								4	
								5	
								6	
								7	
								8	

Groundwater: No groundwater encountered.

Backfill: Backfilled with arisings.

Remarks:

Project Name: Cockley Hill Lane

Project No. CKD/02

Co-ords: -

 Date  
18/02/2018

Location: Kirkheaton, Huddersfield



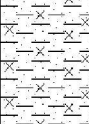

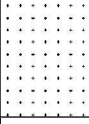
Level:

 Scale  
1:40

Client: Cockley Developments Ltd

Rig Crew: RP Drilling

 Logged:  
OG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20 0.20 - 0.50	ES D		0.20		Dark brown slightly clayey sandy TOPSOIL with rare cobbles of sandstone.		
		1.00	SPT	N=25 (2,3/5,6,6,8)	1.00		Firm orangish brown and grey slightly gravelly slightly sandy silty CLAY. Gravel is sub angular to sub rounded fine to medium of mudstone. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].	1	
		2.00	SPT	50 (7,14/50 for 20mm)	2.15		Medium dense orangish brown and grey silty gravelly SAND with rare orange staining. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].	2	
								(At least) very weak, thinly laminated (up to 6mm), greyish brown, typically fine grained SANDSTONE. Recovered as gravelly silty sand. [Grenoside Sandstone].	2
							End of Borehole at 2.150m Terminated on SPT refusal.		
								3	
								4	
								5	
								6	
								7	
								8	

Groundwater: No groundwater observed.

Backfill: Backfilled with arisings.

Remarks:

Project Name: Cockley Hill Lane

Project No. CKD/02

Co-ords: -

 Date  
18/02/2019

Location: Kirkheaton, Huddersfield


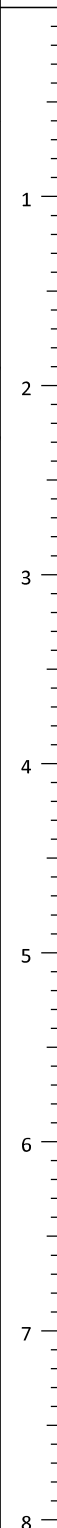
Level:

 Scale  
1:40

Client: Cockley Developments Ltd

Rig Crew: RP Drilling

 Logged:  
OG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.25		Brown sandy clayey TOPSOIL.		
		0.30 - 0.40	D		0.60		MADE GROUND: (Firm) brown mottled grey slightly sandy clay with rare organic material. [Backfilled Opencast].		
		1.00	SPT	N=10 (1,1/1,2,3,4)	1.30		MADE GROUND: (Firm) grey and brown slightly sandy slightly gravelly clay. Gravel is angular of mudstone, with trace fragments of coal. [Backfilled Opencast].		
					1.70		Firm orangish brown laminated grey slightly sandy silty CLAY. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].		
		2.00	SPT	50 (25 for 140mm/50 for 125mm)	1.90		Greyish brown and dark brown sandy angular and subangular GRAVEL of mudstone. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].		
					2.27		Extremely weak, thinly laminated (up to 6mm), greyish brown MUDSTONE. Recovered as angular gravel. [Pennine Lower Coal Measures] End of Borehole at 2.270m Terminated on SPT refusal.		

Groundwater: No groundwater encountered.

Backfill: Backfilled with arisings.

Remarks:

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: -	Date: 18/02/2019
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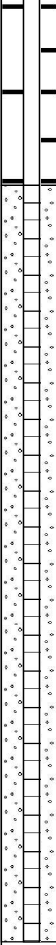



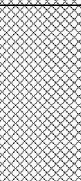
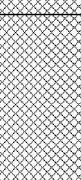
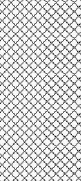
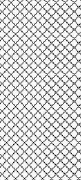
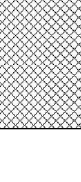



Location: Kirkheaton, Huddersfield	Level:	Scale: 1:40
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Client: Cockley Developments Ltd	Rig Crew: RP Drilling	Logged: OG
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Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.20		Dark brown slightly clayey sandy TOPSOIL.		
		1.00	SPT	N=28 (3,4/5,6,7,10)	1.00		Stiff orangish brown and grey slightly gravelly silty CLAY. Gravel is subangular fine to medium sandstone. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].	1	
		1.70 - 1.80	D		1.80		Medium dense orangish brown and grey gravelly SAND. Gravel is subangular of mudstone. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].		
		2.00	SPT	50 (25 for 85mm/50 for 235mm)	2.10		Extremely weak, thinly to thickly laminated (up to 20mm), dark brown and grey, MUDSTONE. Recovered as angular gravel. [Pennine Lower Coal Measures]. End of Borehole at 2.100m Terminated on SPT refusal.	2	
								3	
								4	
								5	
								6	
								7	
								8	

Groundwater: No groundwater observed.  
 Backfill: Backfilled with arisings.  
 Remarks:

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: -	Date: 18/02/2019
Location: Kirkheaton, Huddersfield	Level:		Scale: 1:40
Client: Cockley Developments Ltd	Rig Crew: RP Drilling		Logged: OG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25			Dark brown sandy TOPSOIL.	
		0.50 - 0.60	ES		0.50			MADE GROUND: (Stiff) orangish brown and grey clay. (Backfilled opencast).	
		1.00	SPT	N=20 (3,4/5,4,5,6)	1.00			MADE GROUND: (Stiff) grey and brown gravelly sandy clay with cobbles of coal and sandstone. (Backfilled opencast).	1
		1.50 - 1.60	ES					MADE GROUND: Brown clayey sandy gravel with fragments of coal, mudstone and sandstone. (Backfilled opencast).	
		2.00	SPT	N=12 (2,3/3,3,3,3)	2.00			MADE GROUND: Grey/dark brown sandy gravelly clay. Gravel is angular fine to coarse of coal, mudstone and sandstone. (Backfilled opencast).	2
		2.50 - 2.60	ES						
		3.00	SPT	N=12 (1,2/3,3,3,3)					3
		3.50 - 3.60	ES						
		4.00	SPT	N=4 (1,1/1,1,1,1)					4
		4.50 - 4.60	ES						
	5.00	SPT	N=7 (1,1/1,1,1,4)					5	
				5.45			End of Borehole at 5.450m Borehole extended by dynamic probe (DP1) from the base to 10m depth.	6	
								7	
								8	

Groundwater: No groundwater observed.

Backfill: Installation.

Remarks: Borehole extended by dynamic probe (DP1) from the base to 10m depth.

Project Name: Cockley Hill Lane

Project No. CKD/02

Co-ords: -

 Date  
18/02/2019

Location: Kirkheaton, Huddersfield


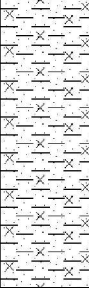

Level:

 Scale  
1:40

Client: Cockley Developments Ltd

Rig Crew: RP Drilling

 Logged:  
OG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.10 - 0.20	ES		0.35		Dark brown sandy TOPSOIL.		
		1.00	SPT	N=21 (2,3/4,5,5,7)			Stiff (high strength) orangish brown mottled grey slightly sandy silty CLAY. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].	1	
		1.80 - 1.90	D		1.90				
		2.00	SPT	N=50 (8,9/50 for 285mm)	2.44		Extremely weak, thinly to thickly laminated (up to 20mm), brown MUDSTONE. Recovered as angular gravel. [Pennine Lower Coal Measures].	2	
							End of Borehole at 2.440m Terminated on SPT refusal.	3	
								4	
								5	
								6	
								7	
								8	

Groundwater: No groundwater observed.

Backfill: Backfilled with arisings.

Remarks:

Project Name: Cockley Hill Lane

Project No. CKD/02

Co-ords: -

Date: 18/02/2019

Location: Kirkheaton, Huddersfield

Level:

Scale: 1:40

Client: Cockley Developments Ltd

Rig Crew: RP Drilling

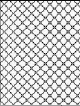
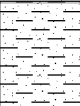

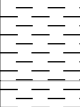

Logged: OG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20 - 0.50	ES		0.50		MADE GROUND: Dark brown gravelly sand. With subangular gravel of brick, concrete and sandstone. Trace fine gravel of mixed lithologies including dark mudstone and possible coal fragments. Medium subangular cobble content, of brick and concrete. [Relict Demolition Rubble].		
		0.80 - 1.00	D				Firm to stiff orangish brown and grey slightly sandy silty CLAY. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].		
		1.00	SPT	N=27 (3,2/4,5,8,10)	1.00		Clay is friable from 0.9m to 1.0m.	1	
					1.90		Medium dense brown and grey sandy GRAVEL of mudstone. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].		
		2.00	SPT	50 (8,12/50 for 220mm)	2.40		Extremely weak, thickly laminated (up to 20mm), dark brown and grey, MUDSTONE. Recovered as angular gravel. [Pennine Lower Coal Measures].	2	
							End of Borehole at 2.400m Terminated on SPT refusal.	3	
								4	
								5	
								6	
								7	
								8	

Groundwater: No groundwater observed.  
 Backfill: Installation.  
 Remarks:

RrWS\_v1.054

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: - Level:	Date 18/02/2019
Location: Kirkheaton, Huddersfield		Pit Dimensions (m) Length: m Width: m Depth: 2.20 m	Machine Type: Kubota KX080-4
Client: Cockley Developments Ltd			Scale 1:25 Logged: EGH

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.10 - 0.20	ES		0.35			MADE GROUND: Dark greyish brown slightly clayey slightly sandy fine to coarse angular and subangular organic GRAVEL of sandstone and siltstone, with occasional fragments of brick and concrete.
			0.70			Firm orangish brown, mottled grey, slightly sandy CLAY. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].
0.90 - 1.00 0.90	D	HSV=108				Stiff (high strength) grey, mottled orange, CLAY. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].
1.20		HSV=130				<i>From 1.2m: Very stiff (high strength).</i>
			2.10 2.20			Extremely weak, thickly laminated (up to 15mm), greyish brown to very dark grey, SILTSTONE. Recovered as angular gravel and cobbles. [Pennine Lower Coal Measures]. End of Pit at 2.200m Terminated on solid bedrock strata.

Groundwater: No groundwater entries recorded.


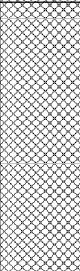
Backfill: Pit was backfilled with arisings on completion.

Stability: Pit sides generally remained stable for the short period of exposure.

Remarks:

RrTP\_v1.053

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: - Level:	Date 18/02/2019
Location: Kirkheaton, Huddersfield		Pit Dimensions (m) Length: 8.00 m Width: 0.60 m Depth: 1.20 m	Machine Type: Kubota KX080-4
Client: Cockley Developments Ltd			Scale 1:25 Logged: EGH

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.90 - 1.00	ES		0.30			Turf over dark greyish brown slightly clayey slightly gravelly TOPSOIL. With subangular gravel, of sandstone.
						MADE GROUND: Grey, occasionally orangish brown, slightly sandy, gravelly CLAY. Gravel is mixed, typically subangular, of siltstone, sandstone and mudstone. Occasional cobbles of siltstone. [Reworked Natural Arisings - Infilled Opencast Workings].  <i>At the northeast end of the pit: 0.3m TOPSOIL, over firm CLAY.</i>
			1.20			End of Pit at 1.200m Terminated once the upper lateral extent of the infilled opencast workings had been reached.

Groundwater: No groundwater entries recorded.

Backfill: Pit was backfilled with arisings on completion.

Stability: Slight instability to 1.2m depth.


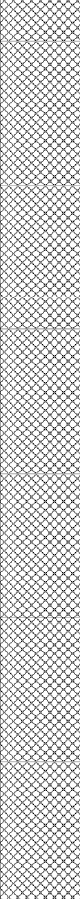
Remarks: Pit extended through the made ground, 8m laterally to the northeast.

RrTP\_v1.053

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: - Level:	Date 18/02/2019
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Location: Kirkheaton, Huddersfield	Pit Dimensions (m) Length: m	Machine Type: Kubota KX080-4	Scale 1:25
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Client: Cockley Developments Ltd	Width: m Depth: 3.20 m	Logged: EGH
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Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
			0.15			Turf over dark greyish brown slightly clayey slightly gravelly TOPSOIL. Gravel is typically fine, subangular, of sandstone.
			3.20			MADE GROUND: Grey slightly sandy clayey fine to coarse subangular GRAVEL of siltstone, sandstone and mudstone. Occasional cobble sized fragments of siltstone and sandstone. [Reworked Natural Arisings - Infilled Opencast Workings].
						End of Pit at 3.200m Terminated once the full extent of the excavator had been reached.

Groundwater: No groundwater entries recorded.



Backfill: Pit backfilled with arisings on completion.

Stability: Slight instability of the pit sides to 3.2m depth.

Remarks:

RrTP\_v1.053

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: - Level:	Date 18/02/2019
Location: Kirkheaton, Huddersfield		Pit Dimensions (m) Length: 10.00 m Width: 0.60 m Depth: 1.30 m	Machine Type: Kubota KX080-4
Client: Cockley Developments Ltd			Scale 1:25 Logged: EGH

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.00 - 0.10	ES		0.20			Turf and reeds over dark greyish brown slightly clayey slightly gravelly TOPSOIL. Gravel is typically fine, subangular, of sandstone.
1.00 - 1.20 1.10 - 1.20	ES ES					1.20 1.30
						Firm light greyish brown sandy CLAY. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata]. End of Pit at 1.300m Terminated once the lower lateral extent of the infilled opencast workings had been reached.

Groundwater: No groundwater entries recorded. Ground surface waterlogged.


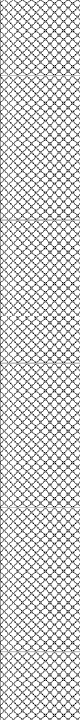

Backfill: Pit was backfilled with arisings on completion.

Stability: Pit sides generally remained stable for the short period of exposure.

Remarks: Pit extended through the made ground, 10m laterally to the southwest.

RrTP\_v1.053

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: - Level:	Date 18/02/2019
Location: Kirkheaton, Huddersfield		Pit Dimensions (m) Length: 15.00 m Width: 0.60 m Depth: 2.60 m	Machine Type: Kubota KX080-4
Client: Cockley Developments Ltd			Scale 1:25 Logged: EGH

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
0.00 - 0.10	ES		0.10			Turf over greyish brown sandy spongy TOPSOIL.
1.00 - 1.10	ES					MADE GROUND: Brown and greyish brown, slightly clayey fine to coarse angular and subangular GRAVEL of sandstone, with occasional siltstone. Occasional subangular cobbles of sandstone and siltstone. [Reworked Natural Arisings - Infilled Quarry Workings].
			2.50 2.60			Extremely weak, very thinly bedded (up to 20mm), yellowish brown fine to coarse grained SANDSTONE. Recovered as angular tabular gravel. [Grenoside Sandstone]. End of Pit at 2.600m Terminated on solid bedrock strata.

Groundwater: Slight seepage noted from 2.5m depth.


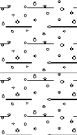

Backfill: Pit was backfilled with arisings on completion.

Stability: Moderate instability of the pit sides to between 2m and 2.5m depth.

Remarks: Pit extended through the made ground, 6m laterally to the northeast.

RrTP\_v1.053

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: - Level:	Date 18/02/2019
Location: Kirkheaton, Huddersfield		Pit Dimensions (m) Length: m Width: m Depth: 0.70 m	Machine Type: Kubota KX080-4
Client: Cockley Developments Ltd			Scale 1:25 Logged: EGH

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
			0.10			Turf over greyish brown sandy spongy TOPSOIL.
			0.60			Light brown clayey fine to coarse angular tabular GRAVEL of sandstone. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].
			0.70			Extremely weak, thickly laminated (up to 10mm), fine to coarse grained SANDSTONE. Recovered as angular tabular gravel and cobbles. [Grenoside Sandstone]. End of Pit at 0.700m Terminated on solid bedrock strata.

Groundwater: No groundwater entries recorded. Ground surface waterlogged.

Backfill: Pit was backfilled with arisings on completion.

Stability: Pit sides generally remained stable for the short period of exposure.


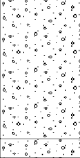

Remarks: Pit located 4m beyond the limit of TP5, to define the extent of the made ground.

RrTP\_v1.053

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: - Level:	Date 18/02/2019
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Location: Kirkheaton, Huddersfield	Pit Dimensions (m) Length: m	Machine Type: Kubota KX080-4	Scale 1:25
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Client: Cockley Developments Ltd	Width: m Depth: 1.00 m	Machine Type: Kubota KX080-4	Logged: EGH
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Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
			0.05			MADE GROUND: Bituminous macadam.
0.90 - 1.00	D		0.90 1.00			Light brown sandy fine to coarse angular tabular GRAVEL of sandstone. Up to 10mm bedded. Occasional micaceous crystals visible along bedding planes. [Residual Soil Derived From the In-situ Weathering of the Underlying Solid Strata].
						Extremely weak, thickly laminated (up to 10mm), fine to coarse grained SANDSTONE. Recovered as angular tabular gravel. [Grenoside Sandstone]. End of Pit at 1.000m Terminated on solid bedrock strata.

Groundwater: No groundwater entries recorded.

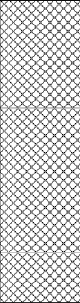
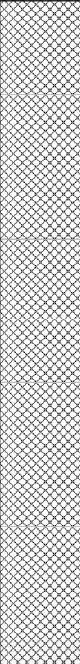
Backfill: Pit was backfilled with arisings on completion.

Stability: Pit sides generally remained stable for the short period of exposure.

Remarks:

RrTP\_v1.053

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: - Level:	Date 18/02/2019
Location: Kirkheaton, Huddersfield		Pit Dimensions (m) Length: m Width: m Depth: 3.20 m	Machine Type: Kubota KX080-4
Client: Cockley Developments Ltd			Scale 1:25 Logged: EGH

Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
Depth	Type	Results				
1.00 - 1.20	ES		1.00			MADE GROUND: Leaf litter over orangish brown clayey fine to coarse angular and subangular GRAVEL of sandstone. [Reworked Natural Arisings - Infilled Quarry Workings].
						MADE GROUND: Grey fine to coarse angular tabular shaley GRAVEL of mudstone and occasional siltstone. Brown discolouration along bedding planes. Occasional subangular tabular cobbles of siltstone. [Reworked Natural Arisings - Infilled Quarry Workings].
			3.20			End of Pit at 3.200m Terminated once the full extent of the excavator had been reached.

Groundwater: No groundwater entries recorded.

Backfill: Pit was backfilled with arisings on completion.

Stability: Moderate instability of the pit sides noted to 3.2m depth.

Remarks:

RrTP\_v1.053



# Probe Log

Borehole No.

**DP1**

Sheet 2 of 2

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: -	Hole Type DP
Location: Kirkheaton, Huddersfield	Level:		Scale 1:25
Client: Cockley Developments Ltd	Dates: 18/02/2019 -		Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
0					
0					
0					
0.2					
0.4					
0.6					
0.8					
1.0					
1.2					
1.4					
1.6					
1.8					
2.0					
2.2					
2.4					
2.6					
2.8					
3.0					
3.2					
3.4					
3.6					
3.8					
4.0					
4.2					
4.4					
4.6					
4.8					
5.0					
5.2					
5.4					
5.6					
5.8					
6.0					
6.2					
6.4					
6.6					
6.8					
7.0					
7.2					
7.4					
7.6					
7.8					
8.0					
8.2					
8.4					
8.6					
8.8					
9.0					
9.2					
9.4					
9.6					
9.8					
10.0					

Remarks Dynamic probe extended from the base of WS5 to 10m depth.	Fall Height	760	Cone Base Diameter	
	Hammer Wt	64	Final Depth	10.00
	Probe Type		Log Scale	1:25



<b>Excavation Method</b> Dando Terrier Window Sampler Rig with Split Barrel SPT Sampler.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Gleeson Developments Ltd	<b>Job Number</b> GH0-11
	<b>Location</b>		<b>Dates</b> 29/09/2025	<b>Project Contractor</b> RP Drilling	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.40-0.40	D				(0.20)	Brown mottled grey slightly sandy slightly gravelly clayey TOPSOIL. Sand is fine. Gravel is subangular, of mudstone. Frequent rootlets. Dry.			
					0.20	MADE GROUND. Firm dark brown gravelly clay. Gravel is fine to coarse subangular to angular of mudstone and iron stone. Dry.			
1.00-1.45	SPT N=15		2,2/2,3,4,6		(0.40)	Firm medium borderline high strength orangish brown grey mottled slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is subrounded to subangular fine to medium, of mudstone and ironstone. Rare remnant organics. Dry.			
1.20-1.20	D				0.60				
2.00-2.45	SPT N=31		6,5/6,7,8,10		(0.90)				
2.80-3.11	SPT 50/160		14,11/16,21,13		1.50	Very stiff high borderline very high strength friable greyish brown slightly sandy gravelly CLAY. Sand is fine. Gravel is subangular medium to coarse, of mudstone. Dry.			
					(0.80)	Extremely weak thinly laminated friable greyish brown MUDSTONE. Dry.			
					2.30				
					(0.81)				
					3.11	Complete at 3.11m			

<b>Remarks</b> Location scanned with CAT prior to drilling borehole. Borehole terminated due to SPT refusal at 3.11m. Borehole not cased. No ground water encountered. Monitoring well installed to 2.8m - slotted from base to 0.5m, with gravel surround, plain above, with bentonite seal. Bung, tap and locking cover provided.	<b>Scale (approx)</b> 1:25	<b>Logged By</b> WW
	<b>Figure No.</b> GH0-11.WS08	



<b>Excavation Method</b> Dando Terrier Window Sampler Rig with Split Barrel SPT Sampler.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Gleeson Developments Ltd	<b>Job Number</b> GH0-11
	<b>Location</b>		<b>Dates</b> 29/09/2025	<b>Project Contractor</b> RP Drilling	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.10-0.10	D				(0.15) 0.15	Brown slightly clayey slightly gravelly sandy TOPSOIL. Sand is fine. Gravel is subrounded fine, of mudstone. Frequent rootlets. Dry.			
					(0.45)	Firm orangish brown grey mottled slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is subrounded to subangular fine to medium, of mudstone and ironstone. Rare remnant organics. Dry.			
					0.60 (0.35)	Extremely weak thinly laminated friable greyish brown shaley MUDSTONE. Dry.			
1.00-1.45 1.00-1.30	SPT N=48 D		6,9/9,11,13,15		0.95 (0.35)	COAL.			
1.50-1.93	SPT 50/280		11,11/10,14,16,10		1.30 (0.63)	Extremely weak thinly laminated friable greyish brown MUDSTONE. Dry.			
					1.93	Complete at 1.93m			

<b>Remarks</b> Location scanned with CAT prior to drilling borehole. Borehole terminated due to SPT refusal at 1.93m. Borehole not cased. No ground water encountered. Monitoring well installed to 1.5m - slotted from base to 0.5m, with gravel surround, plain above, with bentonite seal. Bung, tap and locking cover provided.	<b>Scale (approx)</b> 1:25	<b>Logged By</b> WW
	<b>Figure No.</b> GH0-11.WS09	



<b>Excavation Method</b> Dando Terrier Window Sampler Rig with Split Barrel SPT Sampler.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Gleeson Developments Ltd	<b>Job Number</b> GH0-11
	<b>Location</b>		<b>Dates</b> 01/09/2025	<b>Project Contractor</b> RP Drilling	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
1.00-1.45	SPT N=6		1,1/1,1,2,2		0.20	Brown mottled grey slightly sandy slightly gravelly clayey TOPSOIL. Sand is fine. Gravel is subangular of mudstone. Frequent rootlets. Dry.			
					0.60	Firm orangish brown grey mottled friable slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is subrounded to subangular fine to medium, of mudstone and ironstone. Rare remnant organics. Dry.			
2.00-2.45	SPT N=50		5,6/9,10,16,15		0.80	Soft low strength greyish brown sandy gravelly CLAY. Sand is fine. Gravel is subrounded to subangular fine to coarse, of mudstone. Dry.			
					2.00	At 1.9m: Cobble of Ironstone. Recovered as angular fine to coarse gravel.			
					0.45	Extremely weak thinly laminated friable greyish brown MUDSTONE. Dry.			
					2.45	Complete at 2.45m			

<b>Remarks</b> Location scanned with CAT prior to drilling borehole. Borehole terminated due to SPT refusal at 2.45m. Borehole not cased. No ground water encountered. Monitoring well installed to 2.0m - slotted from base to 0.5m, with gravel surround, plain above, with bentonite seal. Bung, tap and locking cover provided.	<b>Scale (approx)</b> 1:25	<b>Logged By</b> WW
	<b>Figure No.</b> GH0-11.WS10	



<b>Excavation Method</b> Dando Terrier Window Sampler Rig with SPT Sampler.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Gleeson Developments Ltd	<b>Job Number</b> GH0-11
	<b>Location</b>		<b>Dates</b> 29/09/2025	<b>Project Contractor</b> RP Drilling	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water	Instr
0.10-0.10	D				(0.20) 0.20 (0.30) 0.50	Brown slightly clayey slightly gravelly sandy TOPSOIL. Sand is fine. Gravel is subrounded, of mudstone. Frequent rootlets. Dry.			
1.00-1.45	SPT N=11		4,4/3,2,2,4			MADE GROUND. Firm orangish brown grey mottled slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is subrounded to subangular fine to medium, of mudstone, and ironstone. Rare remnant organics. Dry.			
1.60-1.60	D					MADE GROUND. Firm dark brown slightly sandy gravelly clay with low cobble content. Gravel is fine to coarse subangular to angular of mudstone shale and iron stone. Cobbles are of subangular mudstone and ironstone. Occasional fragments of coal. Dry. At 1m: Firm medium strength.			
2.00-2.45	SPT N=8		3,2/1,2,2,3			At 2m: Becoming low borderline medium strength.			
3.00-3.45	SPT N=8		2,1/2,1,2,3		(4.50)	From 3m - 4m: Poor Recovery. Pushing cobble down through madeground.			
4.00-4.45	SPT N=5		Water strike(1) at 4.00m. 2,2/1,2,1,1			At 4m: Becoming soft low strength. From 4m: Strata is wet.		∇1	
5.00-5.43	SPT 50/280		6,9/12,12,14,12		5.00 (0.43) 5.43	NO RECOVERY. Solid Cone SPT Test. Hard/very dense strata.			
						Complete at 5.43m			

<b>Remarks</b> Location scanned with CAT prior to drilling borehole. Borehole terminated due to SPT refusal at 5.43m. SPT cone switched to solid. Borehole not cased. Strata wet from 4m depth.. Monitoring well installed to 5.0m - slotted from base to 0.5m, with gravel surround, plain above, with bentonite seal. Bung, tap and locking cover provided.	<b>Scale (approx)</b>	<b>Logged By</b>
	1:40	WW
	<b>Figure No.</b> GH0-11.WS11	



<b>Excavation Method</b> Dando Terrier Window Sampler Rig with SPT Sampler.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Gleeson Developments Ltd	<b>Job Number</b> GH0-11
	<b>Location</b>		<b>Dates</b> 29/09/2025	<b>Project Contractor</b> RP Drilling	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
1.00-1.40	SPT 50/250		14,11/11,14,18,7		0.20	Dark brown mottled grey slightly sandy slightly gravelly clayey TOPSOIL. Sand is fine. Gravel is subrounded of mudstone. Frequent rootlets. Dry.		
					0.50	Firm orangish brown slightly sandy slightly gravelly CLAY. Sand is fine. Gravel is subrounded to subangular fine to medium, of mudstone and ironstone. Rare remnant organics. Dry.		
					0.70	Extremely weak thinly laminated grey silty MUDSTONE with occasional ironstone nodules. Dry.		
					1.00	NO RECOVERY. Solid Cone SPT Test. Hard/very dense strata.		
					1.40	Complete at 1.40m		

<b>Remarks</b> Location scanned with CAT prior to drilling borehole. Borehole terminated due to SPT refusal at 1.4m. SPT cone switched to solid. Borehole not cased. No ground water encountered. Borehole backfilled with arisings.	<b>Scale (approx)</b> 1:25	<b>Logged By</b> WW
	<b>Figure No.</b> GH0-11.WS12	



<b>Excavation Method</b> Dando Terrier Window Sampler Rig with Split Barrel SPT Sampler.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Gleeson Developments Ltd	<b>Job Number</b> GH0-11
	<b>Location</b>		<b>Dates</b> 29/09/2025	<b>Project Contractor</b> RP Drilling	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
1.00-1.45	SPT N=4		1,1/1,1,1,1		(0.15)	Brown slightly clayey slightly gravelly sandy TOPSOIL. Sand is fine. Gravel is subrounded, of mudstone. Frequent rootlets. Dry.		
					0.15	MADE GROUND. Firm greyish brown gravelly clay. Gravel is fine to coarse subangular to angular, of mudstone and iron stone. Dry. Occasional coal fragments.		
2.00-2.45	SPT N=2		1,0/0,1,0,1		(1.15)			
					1.30	MADE GROUND. Soft very low borderline low strength orangish brown grey mottled clay. Dry.		
3.00-3.45	SPT N=5		2,1/1,1,1,2		(0.20)	MADE GROUND. Soft very low borderline low strength dark brown grey mottled gravelly clay. Gravel is fine to coarse subangular to angular of mudstone shale and iron stone. Occasional fragments of Coal. Dry.		
					1.50	At 2m: Becoming very soft, extremely low borderline very low strength. From 2m: Strata damp.		
4.00-4.45	SPT N=7		Water strike(1) at 4.00m. 2,1/1,2,2,2		(3.00)	At 2m: Becoming soft, low strength.		∇1
						From 4m: Strata wet.		
4.60-4.65	SPT 75*/50		25,50/		4.50	Extremely weak thinly laminated friable greyish brown MUDSTONE. Dry.		
					4.65	Complete at 4.65m		

<b>Remarks</b> Location scanned with CAT prior to drilling borehole. Borehole terminated due to SPT refusal at 4.65m. Borehole not cased. Strata were damp from 3m, and wet from 4m depth.. Borehole backfilled with arisings.	<b>Scale (approx)</b>	<b>Logged By</b>
	1:25	WW
	<b>Figure No.</b> GH0-11.WS13	

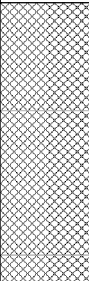







<b>Excavation Method</b> Dando Terrier Window Sampler Rig with SPT Sampler.	<b>Dimensions</b>		<b>Ground Level (mOD)</b>	<b>Client</b> Gleeson Developments Ltd	<b>Job Number</b> GH0-11
	<b>Location</b>		<b>Dates</b> 29/09/2025	<b>Project Contractor</b> RP Drilling	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.10-0.10	D				(0.20) 0.20	Brown mottled grey slightly clayey slightly gravelly sandy TOPSOIL. Sand is fine. Gravel is subangular of mudstone. Frequent rootlets. Dry.		
0.50-0.50	D				(0.60)	Firm laminated friable brown slightly sandy CLAY. Sand is fine. Dry.		
1.00-1.36	SPT 50/210		25,14/12,12,14,12		0.80 (0.20) 1.00 (0.36) 1.36	Extremely weak yellowish brown fine SANDSTONE.  NO RECOVERY. Solid Cone SPT Test. Hard/very dense strata.		
						Complete at 1.36m		

<b>Remarks</b> Location scanned with CAT prior to drilling borehole. Borehole terminated due to SPT refusal at 1.36m. SPT cone switched to solid. Borehole not cased. No ground water encountered. Borehole backfilled with arisings.	<b>Scale (approx)</b> 1:25	<b>Logged By</b> WW
	<b>Figure No.</b> GH0-11.WS14	

Project Name: Cockley Hill Lane	Project No. CKD/02	Co-ords: 418339.00 - 417964.00	Hole Type RO
Location: Kirkheaton, Huddersfield		Level: 134.00	Date 09/05/2019
Client: Cockley Developments Ltd		Plant Used: Casagrande C6	Scale 1:100
Hole Dia.:	Bit Used:	Flush: Air	Rig Crew: CA,CB
			Logged

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					3.70	130.30	 MADE GROUND. Brown and grey slightly clayey sandy fine to coarse subangular GRAVEL of mixed lithologies, including sandstone, mudstone and siltstone. [Natural Arisings - Infilled opencast workings]	1 2 3	
							 Grey MUDSTONE. [Pennine Lower Coal Measures]	4 5 6 7 8 9 10	
	▼				10.70	123.30	 Very dark grey MUDSTONE	11	
					11.00	123.00	[Pennine Lower Coal Measures]		
					11.10	122.90	COAL traces.		
					11.70	122.30	 [Better Bed Coal seam]	12	
					11.80	122.20	Very dark grey MUDSTONE		
					12.50	121.50	COAL traces.	13	
							 [Better Bed Coal seam]	14	
							Very dark grey MUDSTONE		
							[Pennine Lower Coal Measures]	15	
					15.00	119.00	Grey MUDSTONE.		
							 [Pennine Lower Coal Measures]	16	
							End of Borehole at 15,000m Coal traces added for positional purposes only.	17 18 19 20	

Groundwater: Strata wet from 11m  
 Backfill: Backfilled on completion, with a cementitious grout plug at the base, followed by arisings, with the upper 1m comprising a bentonite seal.  
 Casing: Drill casing not used.  
 Remarks: Strata description is based on drillers logs and adjusted by the engineers observations.