

APPENDIX V
ENVIRONMENTAL DATABASE

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

313915961_1_1

Customer Reference:

3293

National Grid Reference:

564060, 228880

Slice:

A

Site Area (Ha):

0.33

Search Buffer (m):

1000

Site Details:

Duck End Farm Ltd, Duck End Farm

Lindsell

DUNMOW

CM6 3QH

Client Details:

Mr P Miles

Brown 2 Green Associates Ltd

Suite 1 Wenden Court

Station Road

Wendens Ambo

Saffron Walden

Essex

CB11 4LB

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	11
Hazardous Substances	-
Geological	12
Industrial Land Use	13
Sensitive Land Use	14
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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility					n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1	2	19
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature			Yes		
Pollution Incidents to Controlled Waters	pg 6				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 6				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 7	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones	pg 7	1			
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 7		4	3	16

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 11				1
Local Authority Landfill Coverage	pg 11	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 11				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 12	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 12	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 13			1	
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 14	2			1
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Mr & Mrs P F Charlton Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: New Barn Hall, Holders, Lindsell, Essex, Cm6 3qh Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Prenf20689 Permit Version: 1 Effective Date: 25th June 2007 Issued Date: 25th June 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ditch Trib Of Stebbing Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A13NW (NW)	137	2	563900 228960
2	<p>Discharge Consents</p> <p>Operator: Mr Jonathan Curtis Property Type: Domestic Property (Single) Location: Brickhouse Farm Retrofit Kit, Lindsell, Dunmow, Essex, Cm6 3hq Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Epryb3895ev Permit Version: 1 Effective Date: 12th July 2022 Issued Date: 12th July 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trbutary Of Daisyley Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	397	2	563633 228952
3	<p>Discharge Consents</p> <p>Operator: Mr & Mrs A Barnard Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Mulberry Youse Lindsell, Dunmow, Essex, Essex, Cm6 3qq Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Prenf15937 Permit Version: 1 Effective Date: 21st August 2003 Issued Date: 21st August 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Chelmer Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	452	2	563649 228632
4	<p>Discharge Consents</p> <p>Operator: Mr Stuart Warwick Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Daviron, Thaxted Road, Lindsell, Essex, Cm6 3qn Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Prenf13043 Permit Version: 1 Effective Date: 21st March 2000 Issued Date: 26th April 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Stebbing Brook (River Chelmer) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	527	2	563850 228370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Discharge Consents</p> <p>Operator: Mrs Cadogan Property Type: Domestic Property (Single) Location: Edenfield Holders Meadow, Holders Green, Lindsell, Gt Dunmow, Cm6 3qq Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf07865 Permit Version: 1 Effective Date: 11th March 1992 Issued Date: 11th March 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Chelmer Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	536	2	563570 228600
6	<p>Discharge Consents</p> <p>Operator: Mr Jim Mead Property Type: Domestic Property (Single) Location: Home Office At Pettits Pettitts, Lindsell, Dunmow, Essex, Cm6 3qj Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Npswd009724 Permit Version: 1 Effective Date: 4th February 2010 Issued Date: 4th February 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Daisyley Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	554	2	563915 228316
7	<p>Discharge Consents</p> <p>Operator: Mrs Susan Holden Property Type: Domestic Property (Single) Location: Christmas Cottage 3 Strawyard, Holders Green, Lindsell, Dunmow, Cm6 3qq Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Eprzb3590ay Permit Version: 1 Effective Date: 14th October 2022 Issued Date: 10th October 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ditch Trib Of River Chelmer Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	588	2	563531 228565
8	<p>Discharge Consents</p> <p>Operator: Norman Mascal Property Type: Domestic Property (Single) Location: Thatch Cottage One Straw Yard Holders Green, Lindsell, Dunmow, Essex, Cm6 3qq Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Prenf13658 Permit Version: 1 Effective Date: 5th July 2001 Issued Date: 5th July 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Chelmer Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	593	2	563500 228610

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Discharge Consents</p> <p>Operator: Mr & Mrs Instone Property Type: Domestic Property (Single) Location: Lindsell House, Lindsell, Dunmow, Essex, Cm6 3qj Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Prenf13273 Permit Version: 1 Effective Date: 27th September 2000 Issued Date: 2nd October 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Stebbing Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	604	2	563930 228260
10	<p>Discharge Consents</p> <p>Operator: Mr F J Bambridge Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Nicholas House Lindsell, Dunmow, Essex, Cm6 3qq Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf00701 Permit Version: 2 Effective Date: 14th January 1992 Issued Date: 14th January 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Easton Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	687	2	563490 228450
10	<p>Discharge Consents</p> <p>Operator: Mr F J Bambridge Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Nicholas House Lindsell, Dunmow, Essex, Cm6 3qq Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prenf00701 Permit Version: 1 Effective Date: 18th April 1989 Issued Date: 18th April 1989 Revocation Date: 13th January 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Easton Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	687	2	563490 228450
11	<p>Discharge Consents</p> <p>Operator: Mr Bird Property Type: Sewage Disposal Works - Other Location: Burstead House Burstead Green, Lindsell, Nr Great Dunmow, Essex Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf11115 Permit Version: 1 Effective Date: 31st October 1997 Issued Date: 31st October 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Stebbing Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A9NE (SE)	839	2	564800 228400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p>Discharge Consents</p> <p>Operator: Trevor Neaves Property Type: Domestic Property (Single) Location: Bustard House Bustard Green, Lindsell, Great Dunmow, Essex, Cm6 3qp Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Prenf11115 Permit Version: 1 Effective Date: 31st October 1997 Issued Date: 31st October 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Stebbing Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A9NE (SE)	839	2	564800 228400
12	<p>Discharge Consents</p> <p>Operator: Mr & Mrs M J Becker Property Type: Domestic Property (Single) Location: Templars Farm Lindsell, Great Dunmow, Essex, Cm6 3ql Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prefs02428 Permit Version: 1 Effective Date: 23rd April 1990 Issued Date: 23rd April 1990 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	866	2	564040 227980
13	<p>Discharge Consents</p> <p>Operator: M Menhinick Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Slated Cottages Holders Green, Lindsell, Nr Dunmow, Essex, Cm6 3qq Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf11208 Permit Version: 1 Effective Date: 23rd January 1998 Issued Date: 23rd January 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Chelmer Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	867	2	563200 228630
14	<p>Discharge Consents</p> <p>Operator: Terence Charles Jackson Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Bandana Lee Holders Green, Lindsell, Great Dunmow, Essex, Cm6 2qq Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Prenf20198 Permit Version: 1 Effective Date: 27th October 2006 Issued Date: 27th October 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Chelmer Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7NW (W)	900	2	563200 228530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Discharge Consents</p> <p>Operator: Dr David William Clutton Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Lower Sweetings Holders Green, Lindsell, Dunmow, Essex, Cm6 3qg Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Prenf20196 Permit Version: 1 Effective Date: 1st September 2006 Issued Date: 1st September 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ditch Trib Chelmer Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7NW (W)	900	2	563200 228530
15	<p>Discharge Consents</p> <p>Operator: Mr & Mrs Gibbon Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Cowels Cottage Cowels Farm Lane, Lindsell, Great Dunmow, Essex, Cm6 3qg Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Prenf13151 Permit Version: 1 Effective Date: 20th June 2000 Issued Date: 22nd June 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Stebbing Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m</p>	A7NW (SW)	965	2	563240 228320
16	<p>Discharge Consents</p> <p>Operator: J B & J E Taylor Property Type: Domestic Property (Single) Location: School Villas Lindsell, Dunmow, Essex, Cm6 3qn Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf01399 Permit Version: 3 Effective Date: 21st December 1992 Issued Date: 21st December 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Stebbing Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	978	2	563920 227880
16	<p>Discharge Consents</p> <p>Operator: J Pittis Property Type: Domestic Property (Single) Location: School Villas Lindsell, Dunmow, Essex, Cm6 3qn Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prenf01399 Permit Version: 2 Effective Date: 14th January 1992 Issued Date: 14th January 1992 Revocation Date: 20th December 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Stebbing Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	978	2	563920 227880

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p>Discharge Consents</p> <p>Operator: J Pittis Property Type: Domestic Property (Single) Location: School Villas Lindsell, Dunmow, Essex, Cm6 3qn Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prenf01399 Permit Version: 1 Effective Date: 25th September 1989 Issued Date: 25th September 1989 Revocation Date: 13th January 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Stebbing Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	978	2	563920 227880
17	<p>Discharge Consents</p> <p>Operator: Uttlesford D.C. Property Type: Domestic Property (Multiple) Location: Whitegates, Lindsell, Dunmow, Essex, Cm6 3ql Authority: Environment Agency, Anglian Region Catchment Area: Upper River Chelmer (Dunmow) Reference: Pr2nfe04165 Permit Version: 2 Effective Date: 8th March 1995 Issued Date: 8th March 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unknown Trib. Daisley Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A3NW (S)	985	2	564050 227860
	<p>Nearest Surface Water Feature</p>	A13NW (N)	95	-	564046 229018
18	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Chelmsford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Tributary Stebbing Brook Incident Date: 13th July 1992 Incident Reference: 1625 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	948	2	564000 227900
	<p>Water Abstractions</p> <p>Operator: E W Davies Farms Ltd Licence Number: 8/37/31/*S/0016 Permit Version: 100 Location: Furthermore Hall, L.Bardfield. Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st December 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(N)	1798	2	564700 230600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: E W Davies Farms Ltd Licence Number: 8/37/31/*S/0016 Permit Version: 100 Location: Furthermore Hall Reservoir 2 Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st December 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NE)	1969	2	564900 230700
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Unproductive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13NW (W)	0	3	564064 228884
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (W)	0	3	564064 228884
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (W)	0	3	564064 228884
19	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NW (W)	0	2	564064 228884
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 324.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Daisyley Brook Catchment Name: Chelmer Primacy: 1	A13SE (SE)	197	4	564279 228778

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Daisyley Brook Catchment Name: Chelmer Primacy: 1	A13SE (SE)	199	4	564275 228768
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 765.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Daisyley Brook Catchment Name: Chelmer Primacy: 1	A13SE (SE)	201	4	564273 228761
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A13NW (N)	225	4	563980 229138
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Daisyley Brook Catchment Name: Chelmer Primacy: 1	A14NW (E)	389	4	564468 229021
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Daisyley Brook Catchment Name: Chelmer Primacy: 1	A14NW (NE)	443	4	564477 229118
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 252.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Daisyley Brook Catchment Name: Chelmer Primacy: 1	A14NW (NE)	445	4	564477 229121
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A14NW (E)	533	4	564597 229083
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A7NE (SW)	623	4	563602 228421
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A7NE (SW)	624	4	563605 228416

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A14SW (E)	624	4	564731 228881
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A7NE (SW)	626	4	563609 228409
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 595.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12NE (W)	632	4	563414 229063
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A8SW (S)	677	4	564066 228168
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A14SE (E)	716	4	564777 228621
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A14SE (SE)	750	4	564791 228566
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A9NE (SE)	826	4	564817 228451
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: Underground Permanent: True Watercourse Name: Daisyley Brook Catchment Name: Chelmer Primacy: 1	A8SE (S)	845	4	564341 228042
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 544.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Daisyley Brook Catchment Name: Chelmer Primacy: 1	A8SE (S)	849	4	564346 228039

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A7NW (SW)	939	4	563346 228229
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 252.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12SW (W)	942	4	563125 228624
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12SW (W)	942	4	563124 228625
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 307.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Chelmer Primacy: 1	A12SW (W)	948	4	563098 228721

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 70346 Location: Lindsell Stores, Whitegates, Lindsell, Great Dunmow, Essex, CM6 3QL Operator Name: Lilley John Malcolm Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Expired Issued: 21st January 1994 Last Modified: Not Supplied 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>	A8SW (S)	862	2	564052 227983
	<p>Local Authority Landfill Coverage</p> <p>Name: Uttlesford District Council - Has no landfill data to supply</p>		0	5	564064 228884
	<p>Local Authority Landfill Coverage</p> <p>Name: Essex County Council - Has supplied landfill data</p>		0	6	564064 228884
44	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: J M Lilley Licence Reference: 275/94 Site Location: Lindsell Stores, Whitegates, Lindsell, DUNMOW, Essex, CM6 3QL Operator Location: As Site Address Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site exempt from licenceExempt Dated: 21st January 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Motor Vehicles/Parts Prohibited Waste: Special Wastes Waste N.O.S.</p>	A8SW (S)	845	2	564050 228000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13NW (W)	0	1	564064 228884
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	564064 228884
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	564064 228884
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	564064 228884
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	564064 228884
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	564064 228884
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	564064 228884
	Radon Potential - Radon Affected Areas 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	A13NW (W)	0	1	564064 228884
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	564064 228884

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<p>Contemporary Trade Directory Entries</p> <p>Name: Carl Hopkins Spts & Classic Cars Location: Brickhouse Farm, Lindsell, Dunmow, CM6 3QH Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A12SE (W)	324	-	563719 228794

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	Nitrate Vulnerable Zones Name: Sandlings And Chelmsford Description: Groundwater Source: Environment Agency, Head Office	A13NW (W)	0	3	564064 228884
47	Nitrate Vulnerable Zones Name: River Chelmer Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (W)	0	3	564064 228884
48	Nitrate Vulnerable Zones Name: River Blackwater Nvz Description: Surface Water Source: Environment Agency, Head Office	A18NE (N)	744	3	564190 229654












Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Braintree District Council - Environmental Health Department Environment Agency - Head Office Uttlesford District Council - Environmental Health Department	January 2020 June 2020 October 2017	Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	April 2023	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Braintree District Council - Environmental Health Department Uttlesford District Council - Environmental Health Department	August 2014 September 2014	Variable Variable
Local Authority Pollution Prevention and Controls Braintree District Council - Environmental Health Department Uttlesford District Council - Environmental Health Department	August 2014 September 2014	Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Braintree District Council - Environmental Health Department Uttlesford District Council - Environmental Health Department	August 2014 September 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	May 2023	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Eastern Area	April 2023	Quarterly
Water Abstractions Environment Agency - Anglian Region	April 2023	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2023	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	April 2023	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	March 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area	January 2023	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area	January 2023	Quarterly
Local Authority Landfill Coverage Braintree District Council Essex County Council Uttlesford District Council - Environmental Health Department	February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Braintree District Council Essex County Council Uttlesford District Council - Environmental Health Department	October 2018 October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Eastern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Eastern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Eastern Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Essex County Council Braintree District Council Uttlesford District Council - Planning Department	February 2016 June 2023 May 2023	Variable Variable Variable
Planning Hazardous Substance Consents Braintree District Council Essex County Council Uttlesford District Council - Planning Department	February 2016 February 2016 October 2015	Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	June 2023	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	February 2023	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2023	Bi-Annually
Areas of Adopted Green Belt Braintree District Council Uttlesford District Council	July 2022 July 2022	Quarterly Quarterly
Areas of Unadopted Green Belt Braintree District Council Uttlesford District Council	July 2022 July 2022	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	April 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	March 2023	Bi-Annually
Marine Nature Reserves Natural England	April 2023	Bi-Annually
National Nature Reserves Natural England	February 2023	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	March 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2023	Bi-Annually
Special Areas of Conservation Natural England	April 2023	Bi-Annually
Special Protection Areas Natural England	April 2023	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	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service 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	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Uttlesford District Council - Environmental Health Department Council Offices, London Road, Saffron Walden, Essex, CB11 4ER	Telephone: 01799 510581 Fax: 01799 510499 Website: www.uttlesford.gov.uk
6	Essex County Council County Hall, Chelmsford, Essex, CM1 1YS	Telephone: 01245 492211 Website: www.essexcc.gov.uk
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited 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)
- X Bearing Reference Point
- 8 Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- ◊ Contaminated Land Register Entry or Notice
- ▲ Discharge Consent
- ▲ Enforcement or Prohibition Notice
- ▲ Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- ▲ Local Authority Pollution Prevention and Control
- ▼ Local Authority Pollution Prevention and Control Enforcement
- 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

- ▼ BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- ▲ Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- ▼ Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

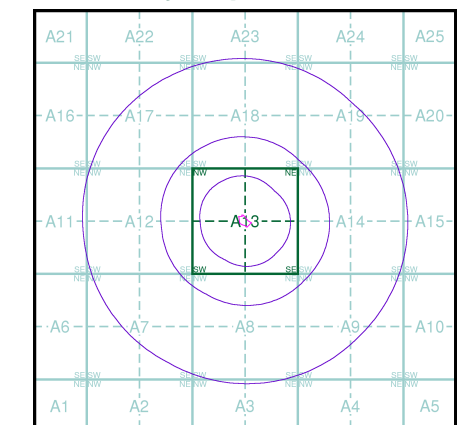
Geological

- ▼ BGS Recorded Mineral Site

Industrial Land Use

- ★ Contemporary Trade Directory Entry
- ★ Fuel Station Entry
- X COMAH Site
- X Explosive Site
- X NIHS Site
- X Planning Hazardous Substance Consent
- X Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A

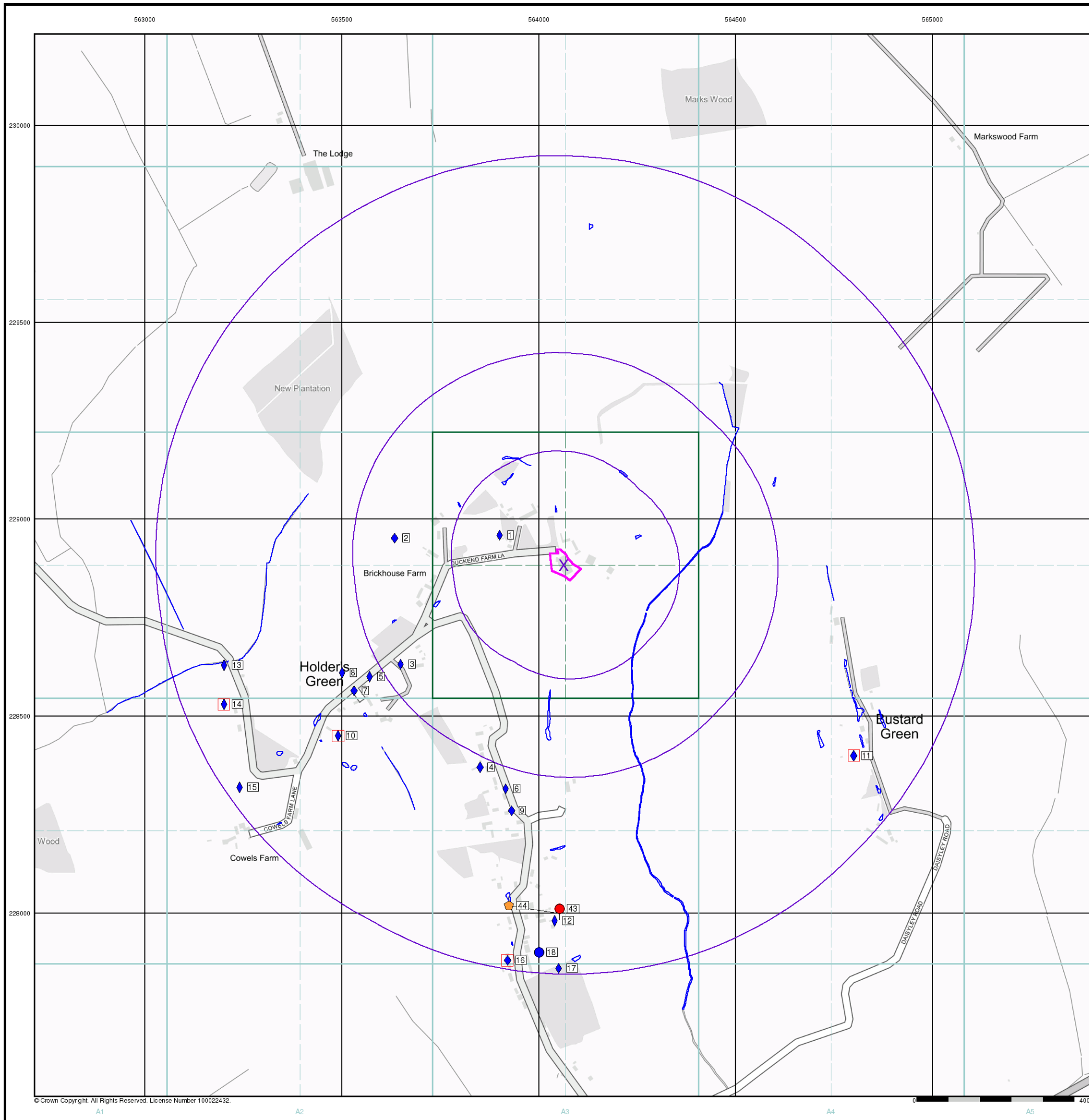


Order Details

Order Number: 313915961_1_1
 Customer Ref: 3293
 National Grid Reference: 564060, 228880
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 1000






Site Details

Duck End Farm Ltd, Duck End Farm, Lindsell, DUNMOW, CM6 3QH







Industrial Land Use Map

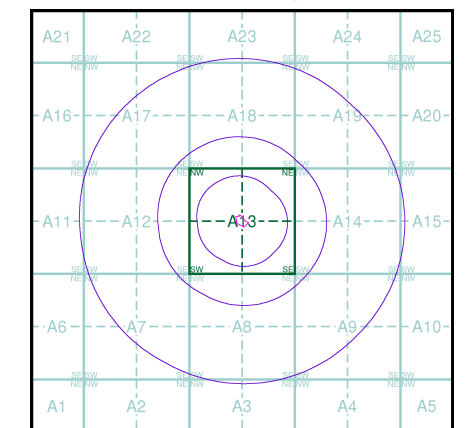
General

-  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

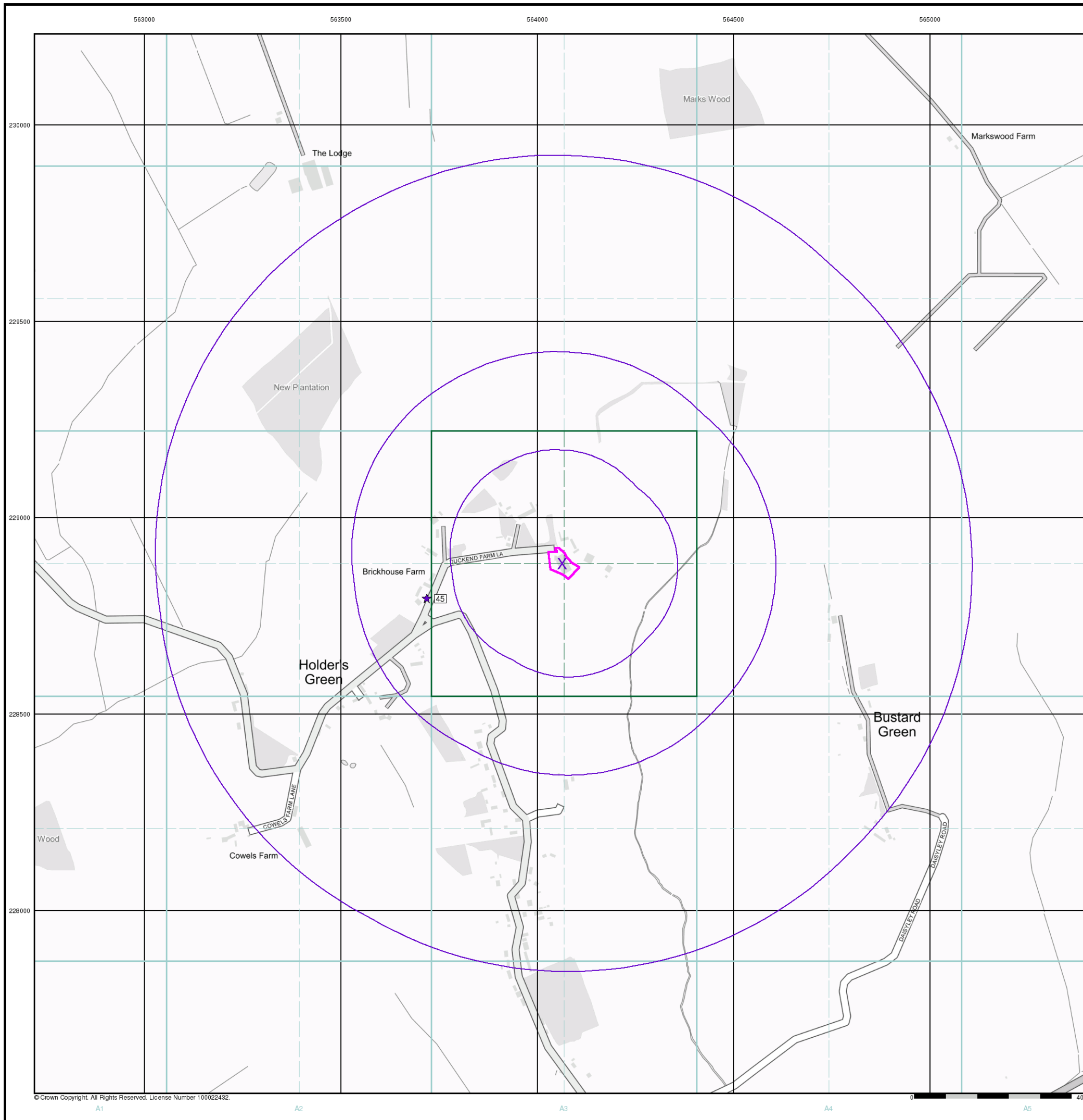


Order Details




Order Number: 313915961_1_1
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Site Details






Duck End Farm Ltd, Duck End Farm, Lindsell, DUNMOW, CM6 3QH



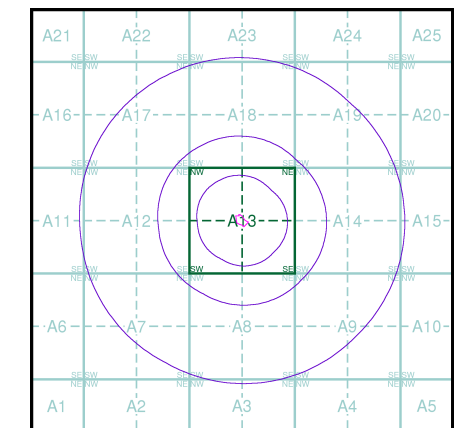
General

-  Specified Site
-  Specified Buffer(s)
-  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

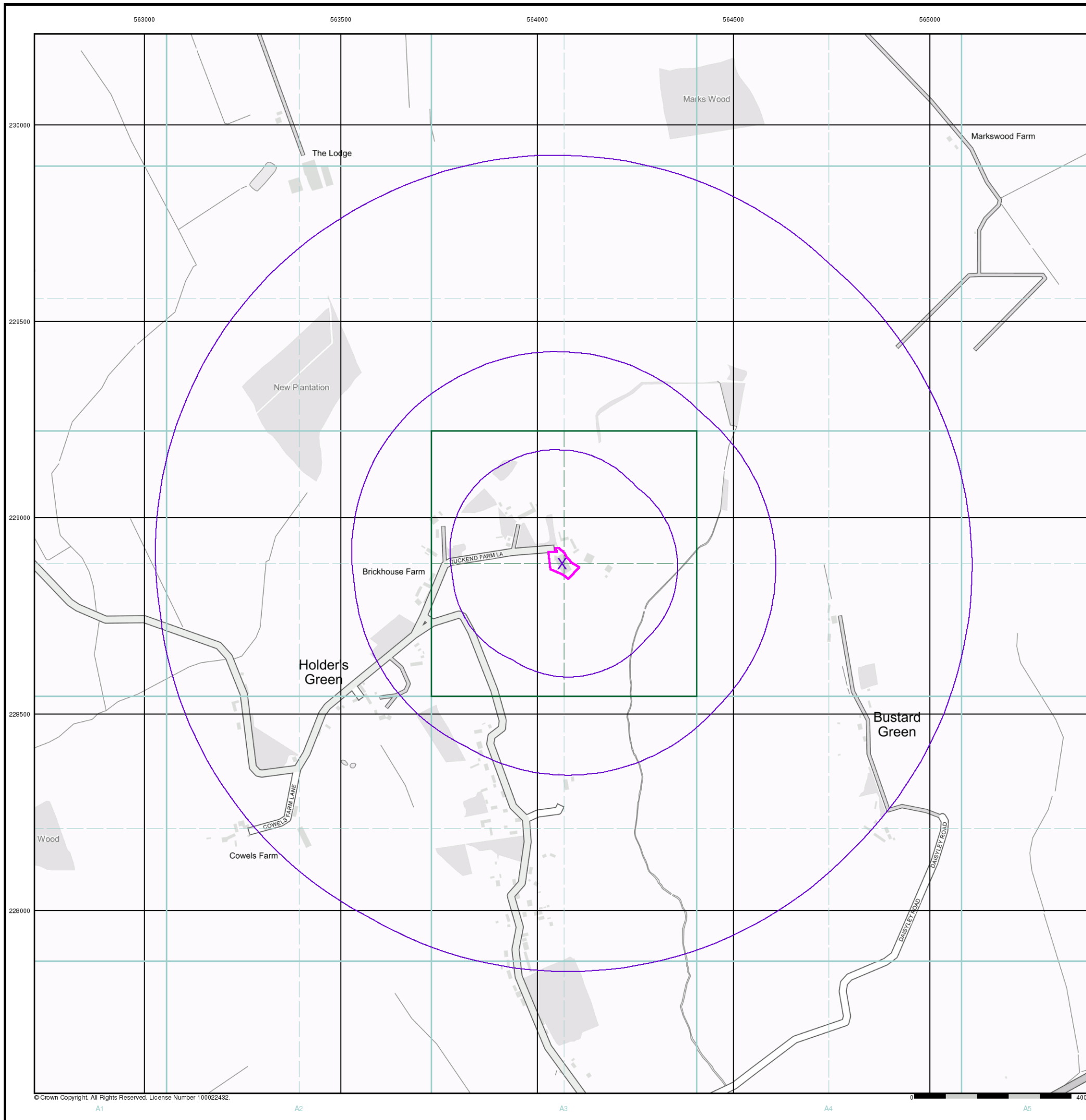


Order Details






Order Number: 313915961_1_1
 Customer Ref: 3293
 National Grid Reference: 564060, 228880
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 1000

Site Details






Duck End Farm Ltd, Duck End Farm, Lindsell, DUNMOW, CM6 3QH



General

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

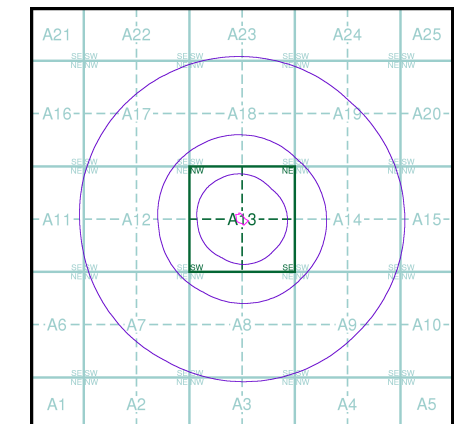
Agency and Hydrological (Boreholes)

-  BGS Borehole Depth 0 - 10m
-  BGS Borehole Depth 10 - 30m
-  BGS Borehole Depth 30m +
-  Confidential
-  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.

Borehole Map - Slice A

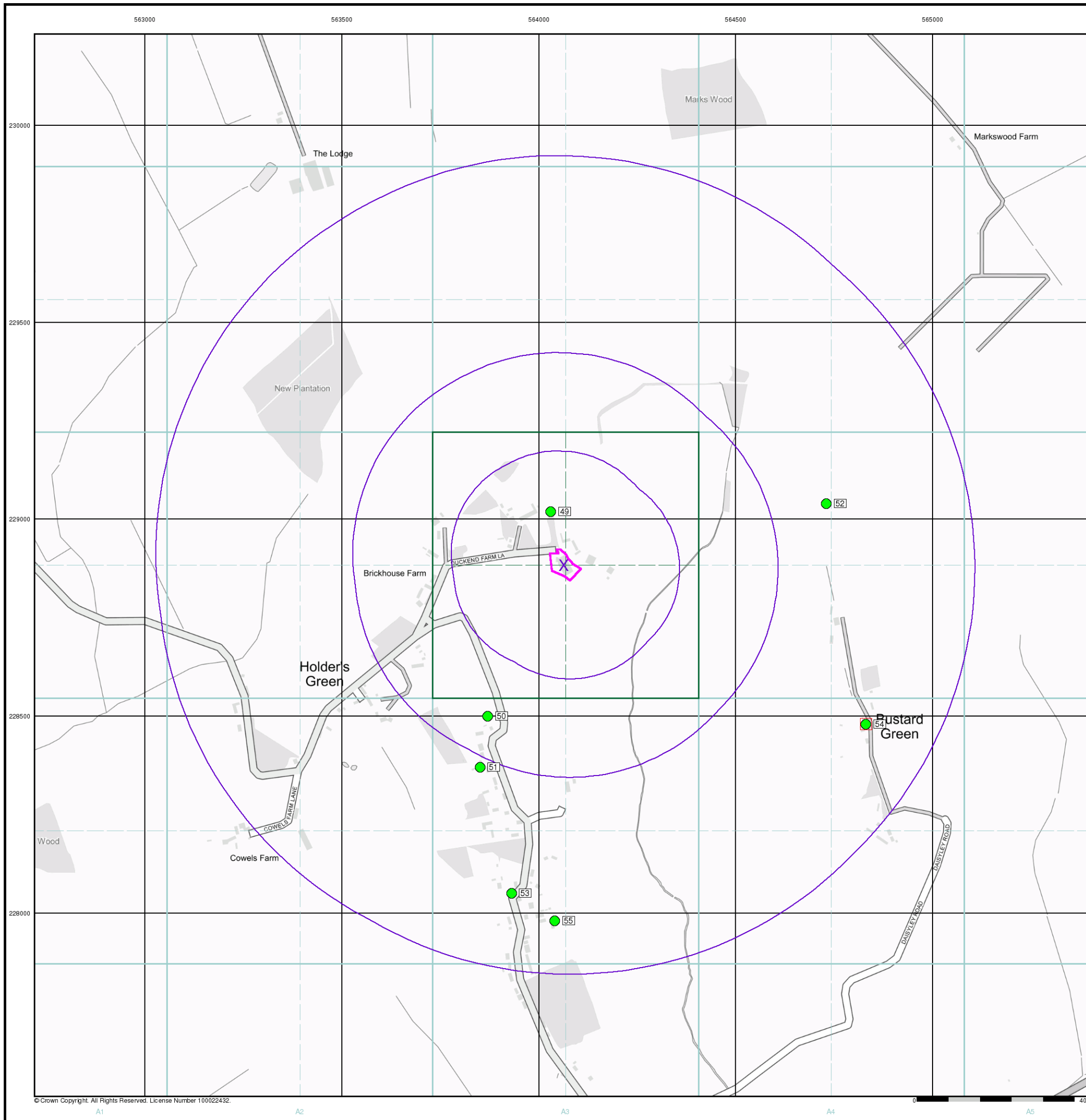


Order Details




Order Number: 313915961_1_1
 Customer Ref: 3293
 National Grid Reference: 564060, 228880
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 Site Area (Ha): 0.33
 Search Buffer (m): 1000

Site Details

Duck End Farm Ltd, Duck End Farm, Lindsell, DUNMOW, CM6 3QH



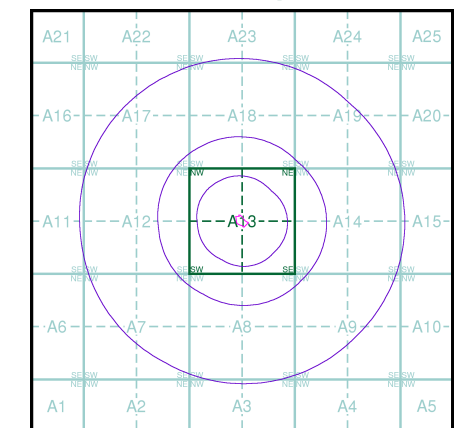
General

-  Specified Site
-  Specified Buffer(s)
-  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

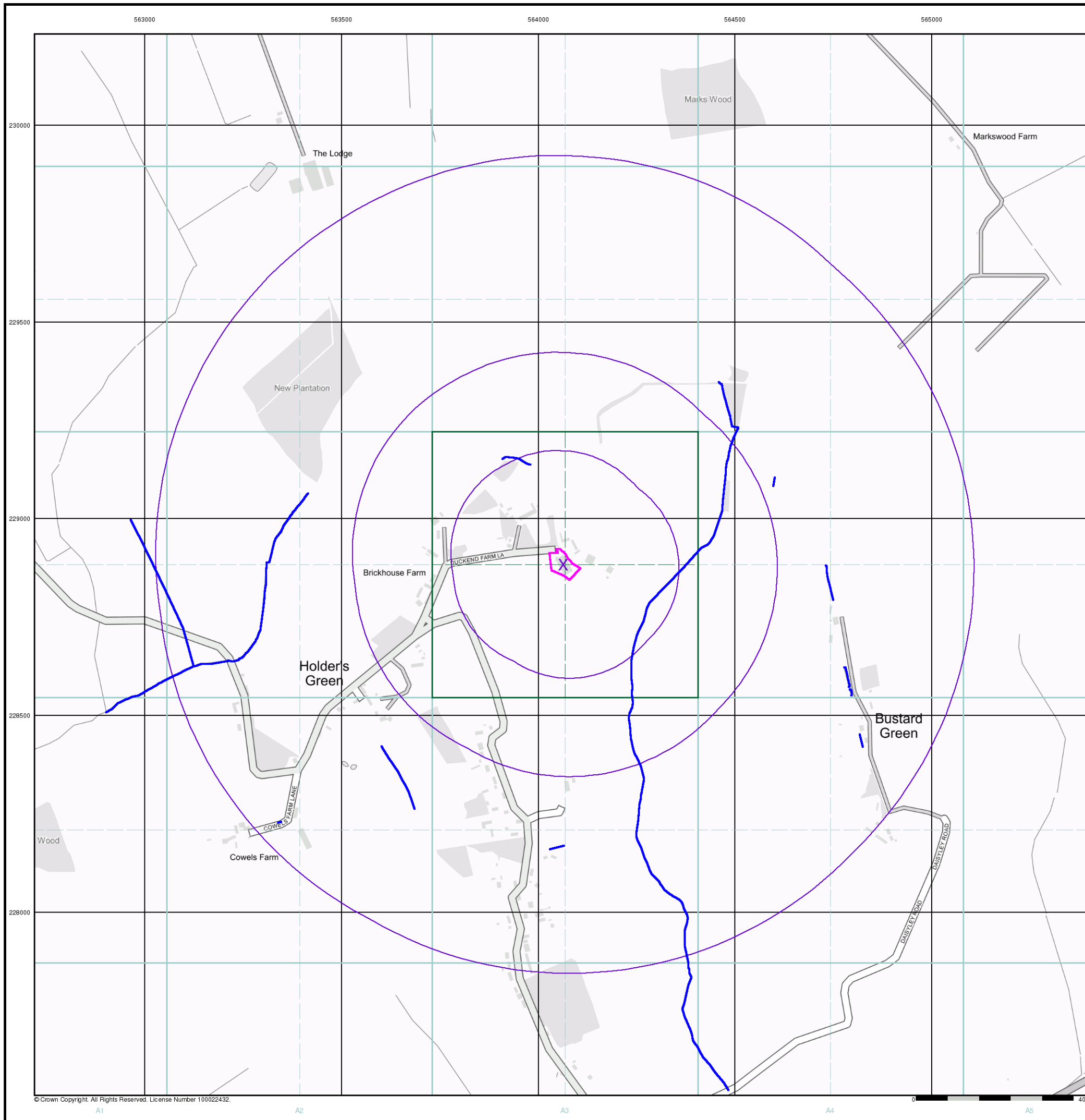


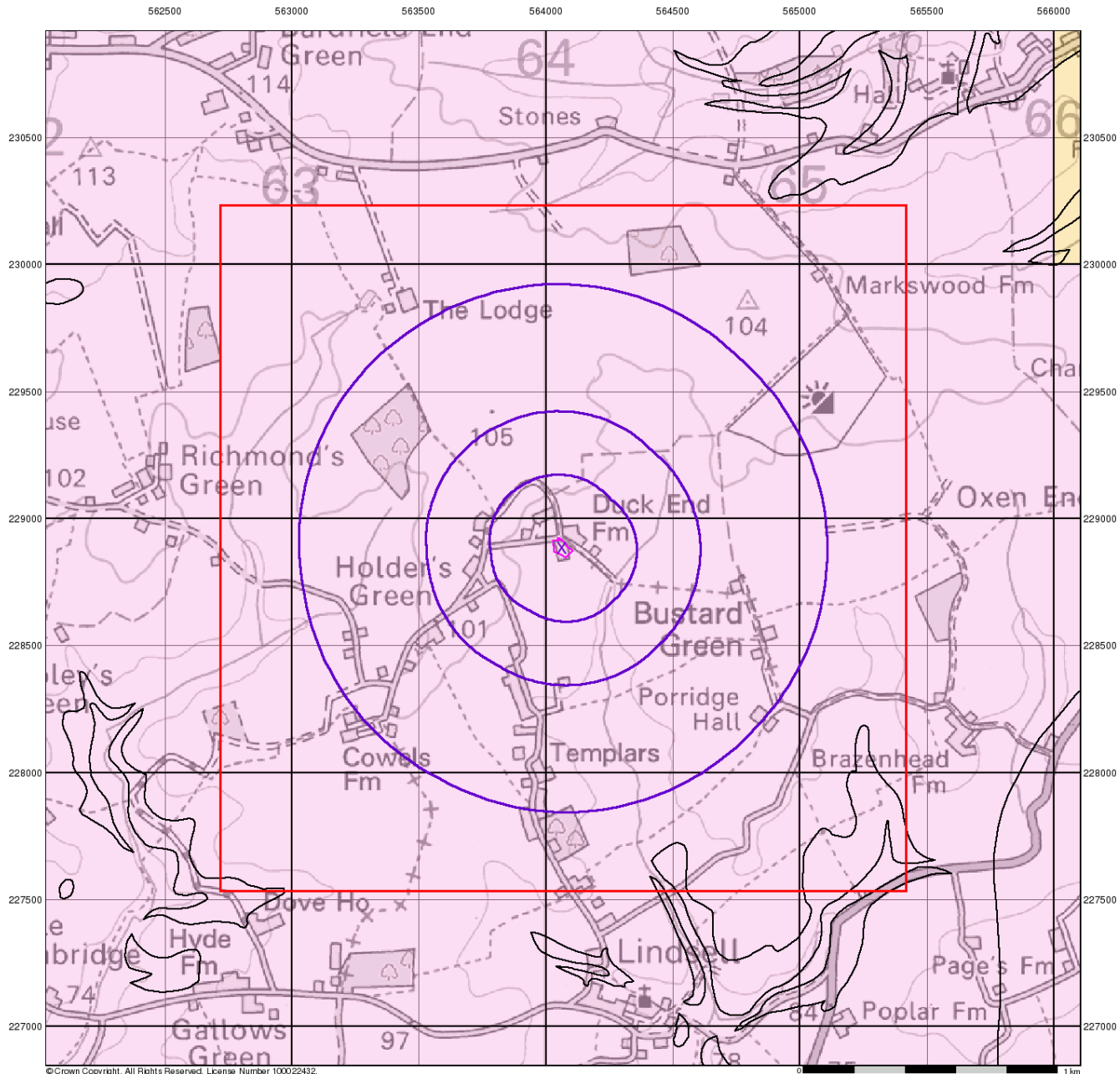
Order Details

Order Number: 313915961_1_1
 Customer Ref: 3293
 National Grid Reference: 564060, 228880
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 1000

Site Details

Duck End Farm Ltd, Duck End Farm, Lindsell, DUNMOW, CM6 3QH










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




Groundwater Vulnerability

General







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

Agency and Hydrological


Bedrock Aquifers

-  High Vulnerability, Principal Aquifer
-  High Vulnerability, Secondary Aquifer
-  Medium Vulnerability, Principal Aquifer
-  Medium Vulnerability, Secondary Aquifer
-  Low Vulnerability, Principal Aquifer
-  Low Vulnerability, Secondary Aquifer

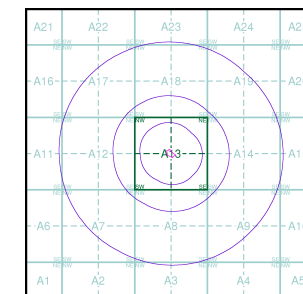
Superficial Aquifers

-  High Vulnerability, Principal Aquifer
-  High Vulnerability, Secondary Aquifer
-  Medium Vulnerability, Principal Aquifer
-  Medium Vulnerability, Secondary Aquifer
-  Low Vulnerability, Principal Aquifer
-  Low Vulnerability, Secondary Aquifer

 Unproductive Aquifer

 Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

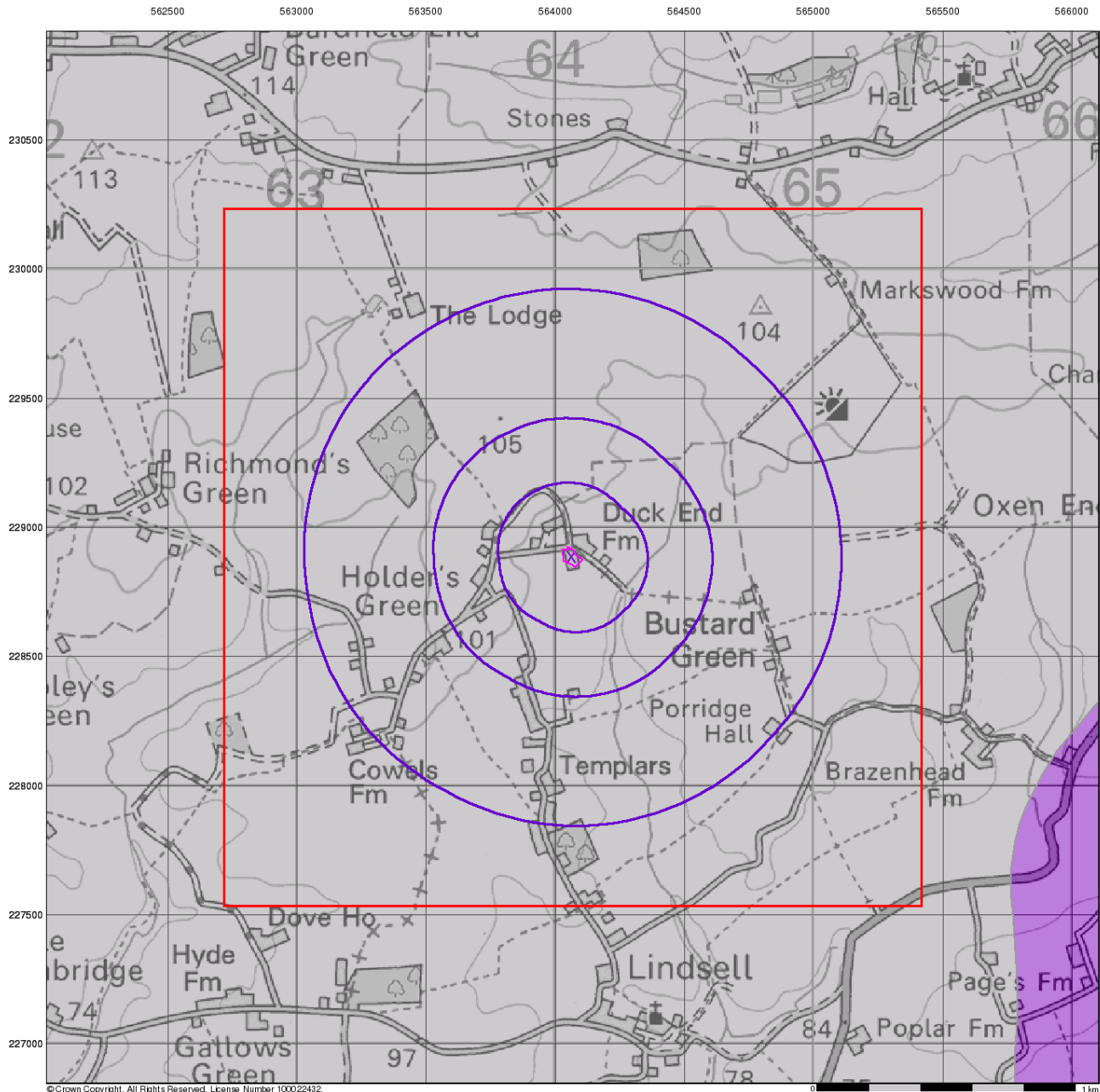
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 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 1000

Site Details

Duck End Farm Ltd, Duck End Farm, Lindsell, DUNMOW, CM6 3QH

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0 1 km

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Bedrock Aquifer Designation

General

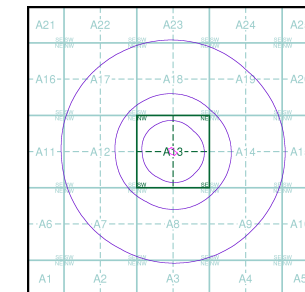
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

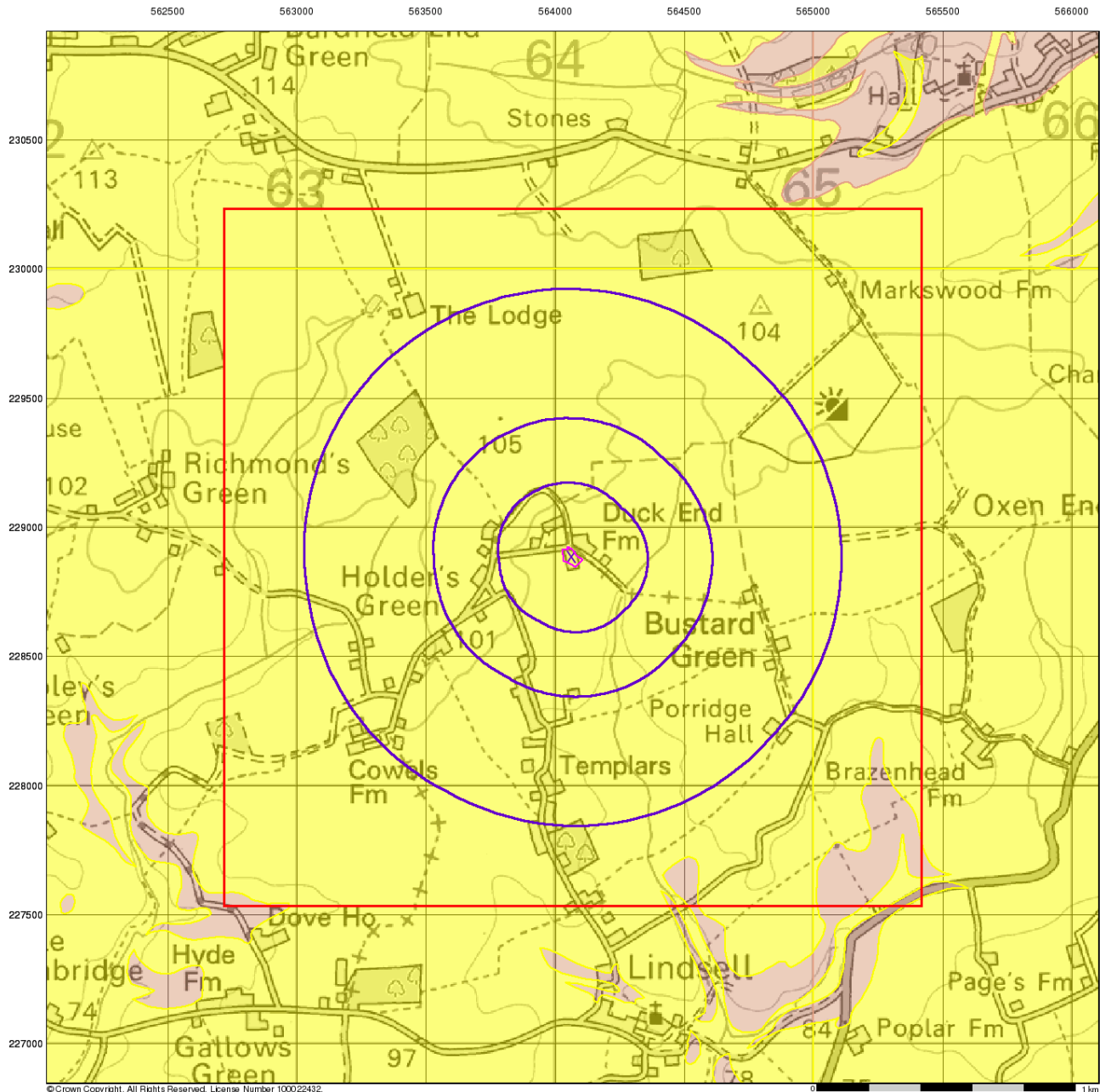
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 National Grid Reference: 564060, 228880
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

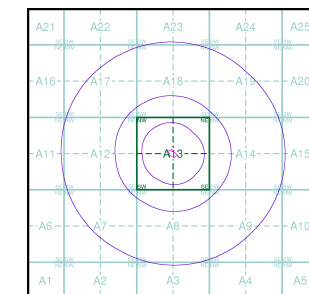
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- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

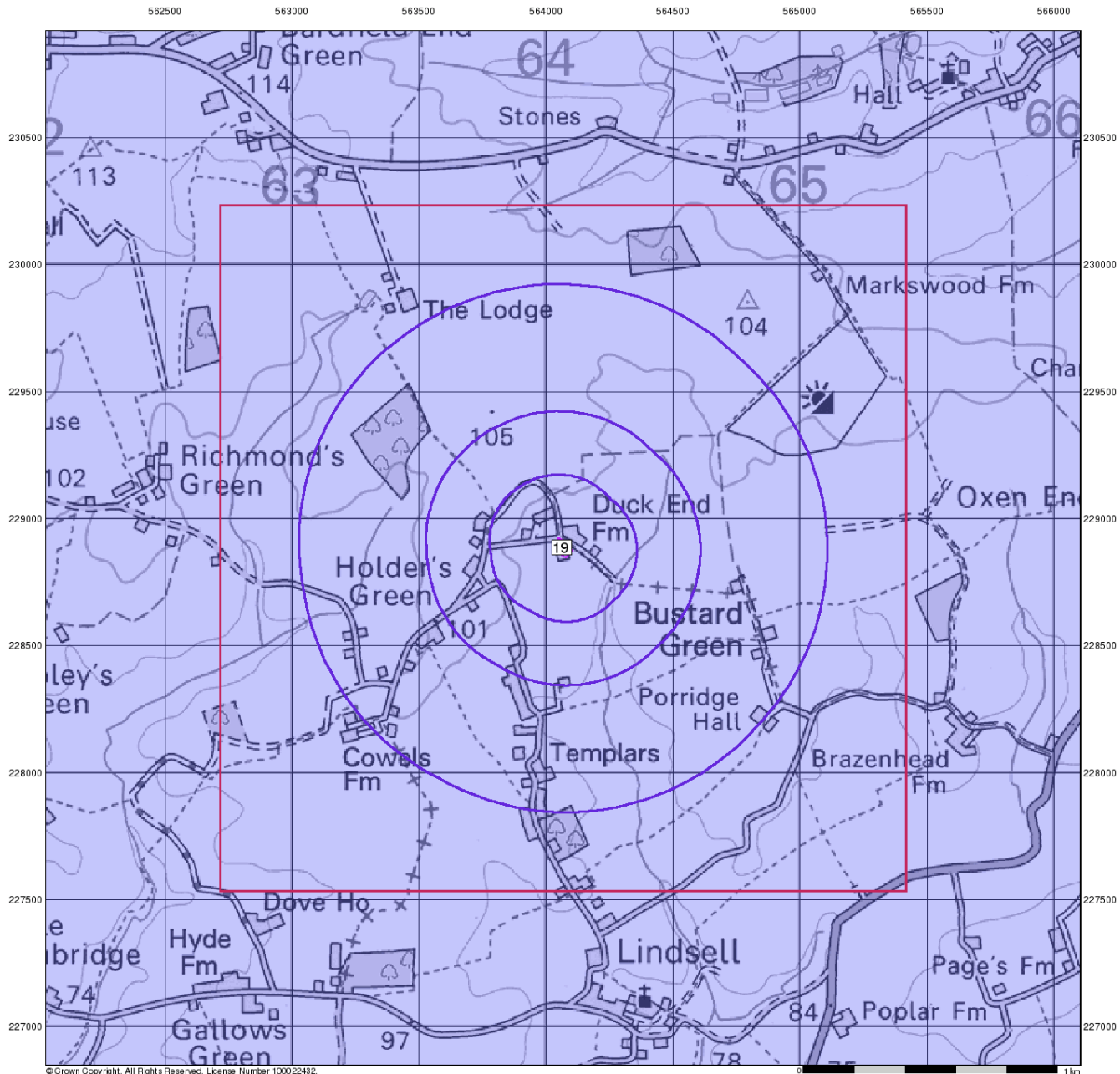
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 Customer Ref: 3293
 National Grid Reference: 564060, 228880
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

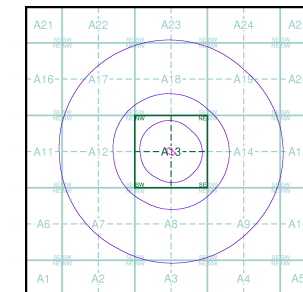
General

- 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

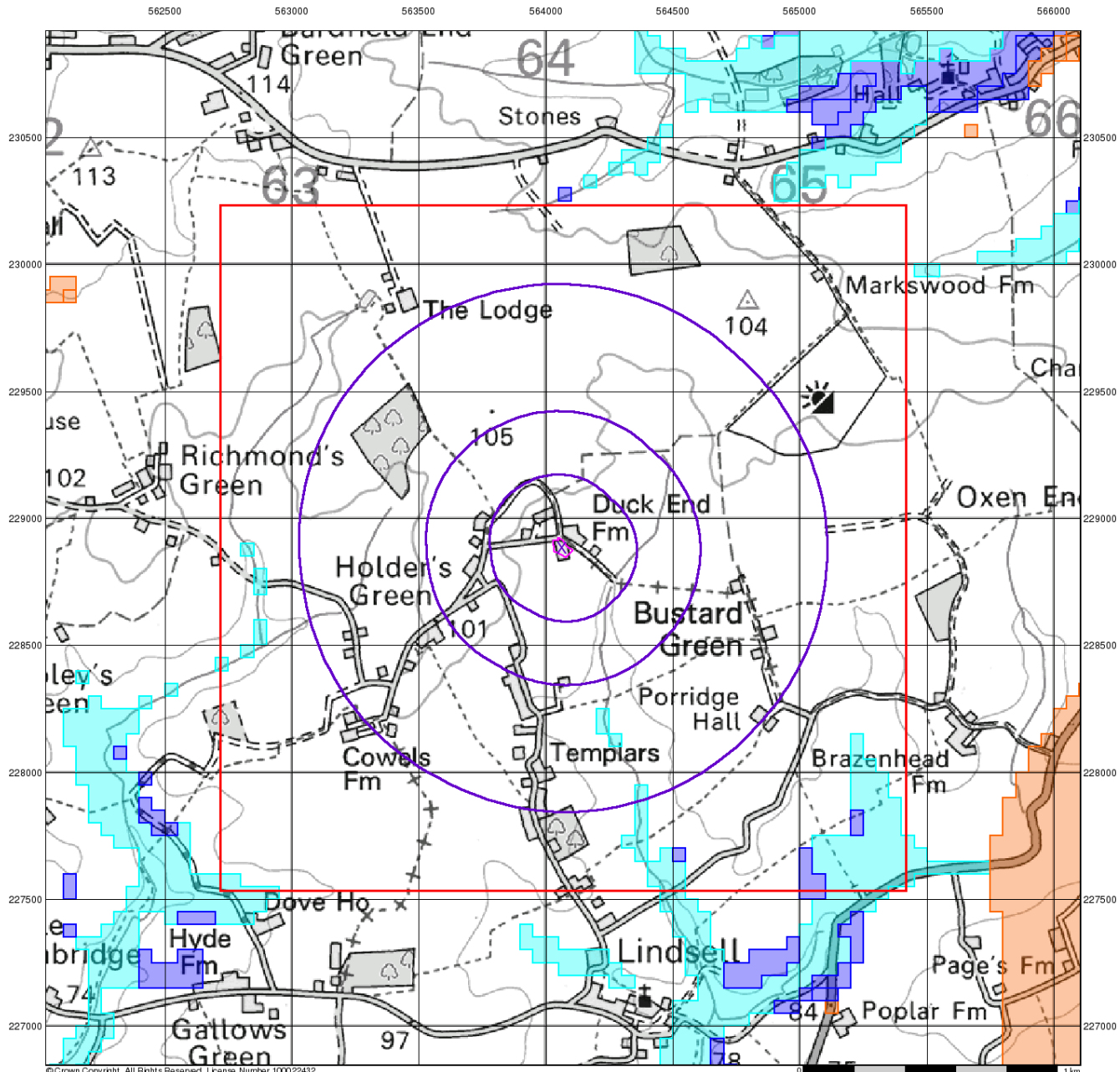
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 Customer Ref: 3293
 National Grid Reference: 564060, 228880
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

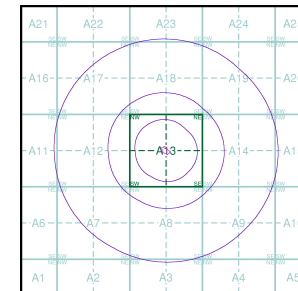
General

- 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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 313915961_1_1
 Customer Ref: 3293
 National Grid Reference: 564060, 228880
 Slice: A
 Site Area (Ha): 0.33
 Search Buffer (m): 1000

Site Details

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APPENDIX VI
GEOLOGICAL LOGS

GEOLOGICAL LOG

Project: Duck End Farm Location: Duck End Lane Lindsell	Borehole Number: WS1
Project No: 3293 Client: Duck End Farm Limited Logged By: NB	Start of Drilling: 24-May-23 Completion of Drilling: 24-May-23 Drilling Method: Window Sampler Ground Level (m AOD):

Sample/Test			Description	Log	Depth (m)	Thick-ness (m)	S/pipe
Sample / Test	Result	Sample range					
T,J,V		0.0-0.1	TOP SOIL - Rough grass over stiff dark brown, silty, slightly sandy, slightly gravelly friable CLAY. Cobble of concrete at 0.1-0.2m.	[Hatched Box]	0.2	0.2	
D		0.8-0.9	MADE GROUND - Interbedded stiff brown, thinly laminated slightly silty, slightly sandy, slightly gravelly CLAY and firm silty, slightly sandy, slightly gravelly humic clay with rootlets. Gravel of fine to coarse flint and occasional brick fragment and timber fragment.. Wet at base.	[Hatched Box]	1.0		
T,J,V		0.9-1.0		[Hatched Box]			
SPT	3,1,1,2,2 N=6	1.2-1.65	Soft to firm mid to dark brown, slightly silty, slightly sandy, slightly gravelly CLAY. Gravel of fine to medium round chalk and fine to coarse flint.	— O — X — — — O — X — — —	1.1	0.9	
D		1.3-1.4		— O — X — — — O — X — — —	2.0		
D		1.9-2.0					
SPT	3,1,3,2,4 N=10	2.0-2.45	Stiff, mid to dark grey brown, slightly silty, slightly sandy, slightly gravelly CLAY. Gravel of fine to medium and occasional coarse round chalk and occasional cobble.	— O — X — — — O — X — — —	2.3	1.2	
D		2.9-3.0	.....becomes dark grey.	— O — X — — — O — X — — —	3.0		
SPT	5,4,6,8,6 N=24	3.0-3.45					
D		3.9-4.0	.....becomes firm mid brown and orange mottled.	— O — X — — — O — X — — —	4.0		
SPT	4,2,3,3,4 N=12	4.0-4.45					
D		4.8-5.0	.....becomes soft.	— O — X — — — O — X — — —	5.0		
SPT	1,1,0,2,2 N=5	5.0-5.45					
			Base of borehole	— X —	5.5	2.2	
					6.0		
					7.0		

GEOLOGICAL LOG

Project: Duck End Farm Location: Duck End Lane Lindsell	Borehole Number: WS2
Project No: 3293 Client: Duck End Farm Limited Logged By: NB	Start of Drilling: 24-May-23 Completion of Drilling: 24-May-23 Drilling Method: Window Sampler Ground Level (m AOD):

Sample/Test			Description	Log	Depth (m)	Thick-ness (m)	S/pipe
Sample / Test	Result	Sample range					
T,J,V		0.1-0.2	TOP SOIL - Rough grass over stiff dark brown, silty, slightly sandy, slightly gravelly friable CLAY. Occasional brick fragment.	█	0.2	0.2	
T,J,V		0.2-0.3	MADE GROUND/REWORKED GROUND - Firm mid brown and mottled orange brown, slightly silty slightly sand, slightly gravelly CLAY with occasional cobble of flint an chalk.	█	0.3	0.1	
T,J,V		0.8-0.9	Firm to stiff mid to dark brown, slightly silty, slightly sandy, slightly gravelly CLAY. Gravel of fine to medium round chalk and fine to coarse flint.	O	1.0		
D		0.9-1.0		X			
SPT	3,3,2,4,4 N=13	1.2-1.65	.....becomes stiff	O	2.0		
D		1.3-1.4	.....becomes stiff to very stiff.	X			
D		1.9-2.0		O	2.5	2.2	
SPT	4,3,4,5,5 N=17	2.0-2.45		X			
D		2.9-3.0	Very stiff, mid to dark grey brown, slightly silty, slightly sandy, slightly gravelly CLAY. Gravel of fine to medium and occasional coarse round chalk and flint.	O	3.0	0.5	
SPT	5,5,13,16,17 N=51	3.0-3.45	X				
			Base of borehole - Refusal at 3.0m		4.0		
					5.0		
					6.0		
					7.0		

Remarks:


Groundwater: Dry

Keys J - 250 or 500ml Jar, T - Tub, V - Vial or 60ml jar, D - Small Disturbed, B - Large bulk sample, W - Water sample.

GEOLOGICAL LOG

Project: Duck End Farm Location: Duck End Lane Lindsell	Borehole Number: WS3
Project No: 3293 Client: Duck End Farm Limited Logged By: NB	Start of Drilling: 24-May-23 Completion of Drilling: 24-May-23 Drilling Method: Window Sampler Ground Level (m AOD):

Sample/Test			Description	Log	Depth (m)	Thick-ness (m)	S/pipe
Sample / Test	Result	Sample range					
T,J,V		0.1-0.3	MADE GROUND/REWORKED NATURAL - 20mm of dark brown sandy clay over stiff mid brown clay over stiff mid brown, slightly silty, slightly sandy, slightly gravelly CLAY. Gravel of fine to medium flint and chalk.	█	0.35	0.35	
			MADE GROUND - Thin horizon of burnt wood, timber, ash, mails and plastic in dark brown matrix.	█	0.40	0.05	
T,J,V		0.45-0.65	MADE GROUND/DISTRUBED GROUND - Firm, dark brown, silty, slightly sandy, slightly gravelly friable CLAY. Grades to mid brown slightly silty, slightly sandy, slightly gravelly CLAY. Gravel of fine to medium flint and chalk. Rare brick fragment.	█	0.9	0.5	
T,J,V		1.0-1.2	Stiff to very stiff mid brown, silty, sandy slightly gravelly CLAY. Gravel of fine to medium round and subrotund flint.	. . . O . . X	1.0		
			Stiff to very stiff mid brown and mottled pale blue grey and orange, slightly silty, slightly sandy, slightly gravelly. Gravel of fine to medium and occasional coarse flint and chalk.	. . . O . . X	1.5	0.6	
			Base of borehole	. . . O . . X	2.0	0.5	
					3.0		
					4.0		
					5.0		
					6.0		
					7.0		

Remarks: Groundwater: Dry	 <small>Geotechnical and Geo-environmental Specialists</small>
Keys J - 250 or 500ml Jar, T - Tub, V - Vial or 60ml jar, D - Small Disturbed, B - Large bulk sample, W - Water sample.	Page 1 of 1

GEOLOGICAL LOG

Project: Duck End Farm Location: Duck End Lane Lindsell Project No: 3293 Client: Duck End Farm Limited Logged By: NB	Borehole Number: WS4 Start of Drilling: 24-May-23 Completion of Drilling: 24-May-23 Drilling Method: Window Sampler Ground Level (m AOD):
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Sample/Test			Description	Log	Depth (m)	Thick-ness (m)	S/pipe
Sample / Test	Result	Sample range					
T,J,V		0.1-0.3	MADE GROUND/REWORKED NATURAL - Wood chippings over stiff mid brown clay over stiff mid brown, slightly silty, slightly sandy, slightly gravelly CLAY. Gravel of fine to medium flint and chalk.		0.3	0.3	
T,J,V		0.4-0.6	MADE GROUND/DISTRUBED GROUND - Firm, dark brown, silty, slightly sandy, slightly gravelly friable CLAY. Grades to mid brown slightly silty, slightly sandy, slightly gravelly CLAY. Gravel of fine to medium flint and chalk. Rare brick fragment.		1.0 1.1	0.8	
T,J,V		1.2-1.4	Stiff to very stiff mid brown, silty, sandy slightly gravelly CLAY. Gravel of fine to medium round and subrotund flint.	- - - O - X - - - - - - - O - X - - - - - - -	2.0	0.9	
			Base of borehole		3.0 4.0 5.0 6.0 7.0		

Remarks:


Groundwater: Dry

Keys J - 250 or 500ml Jar, T - Tub, V - Vial or 60ml jar, D - Small Disturbed, B - Large bulk sample, W - Water sample.

GEOLOGICAL LOG

Project: Duck End Farm Location: Duck End Lane Lindsell	Borehole Number: WS5
Project No: 3293 Client: Duck End Farm Limited Logged By: NB	Start of Drilling: 24-May-23 Completion of Drilling: 24-May-23 Drilling Method: Window Sampler Ground Level (m AOD):

Sample/Test			Description	Log	Depth (m)	Thick-ness (m)	S/pipe
Sample / Test	Result	Sample range					
T,J,V		0.0-0.1	TOP SOIL/MADE GROUND - rough vegetation over firm, dark brown, slightly silty, slightly sandy slightly gravelly CLAY. Gravel of fine to medium flint and occasional ash.	[Pattern]	0.1	0.1	
T,J,V		0.5-0.6	Firm to stiff, mid brown and mottled light blue grey, slightly silty, sandy and gravelly CLAY. Gravel of fine to coarse chalk and occasional flint,	O X			
D		0.8-0.9	.....becomes stiff.	O X			
D		0.9-1.0		O X	1.0		
SPT	3,2,3,3,4 N=12	1.2-1.65	.....becomes very stiff and mottled pale blue grey.	O X			
D		1.5-1.6		O X			
D		1.9-2.0		O X	2.0		
SPT	4,2,3,3,4 N=12	2.0-2.45	.....becomes stiff.	O X			
D		2.4-2.5		O X			
D		2.9-3.0		O X	3.0		
SPT	3,2,2,2,3 N=9	3.0-3.45	.....becomes soft between 3.15m and 3.4m.	O X			
D		3.9-4.0	.....becomes stiff.	O X			
SPT	3,2,2,4,4,4 N=14	4.0-4.45	Firm to stiff, mid to dark grey, slight silty, slightly sandy, slightly gravelly CLAY. Gravel of fine to medium calk and siltstone with orange FeO staining.	O X	4.0	3.9	
D		4.4-4.5		O X			
D		4.8-5.0		O X	5.0		
SPT	4,3,3,6,5 N=17	5.0-5.45		O X			
			Base of borehole	O X	5.5	1.5	
				O X	6.0		
				O X	7.0		


Remarks: Groundwater: Dry	 Page 1 of 1
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Keys J - 250 or 500ml Jar, T - Tub, V - Vial or 60ml jar, D - Small Disturbed, B - Large bulk sample, W - Water sample.

GEOLOGICAL LOG

Project: Duck End Farm Location: Duck End Lane Lindsell Project No: 3293 Client: Duck End Farm Limited Logged By: NB	Borehole Number: WS6 Start of Drilling: 24-May-23 Completion of Drilling: 24-May-23 Drilling Method: Window Sampler Ground Level (m AOD):
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Sample/Test			Description	Log	Depth (m)	Thick-ness (m)	S/pipe
Sample / Test	Result	Sample range					
			MADE GROUND - Concrete		0.1	0.1	
			SUB_BASE - pale brown, slightly silty, slightly gravelly fine to medium SAND. Gravel of fine to medium flint.		0.2	0.1	
T,J,V D		0.3-0.4 0.5-0.6	POSSIBLE MADE GROUND/REWORKED NATURAL - firm to stiff, orange brown slightly silty, slightly gravelly CLAY. Gravel of fine to medium flint.		0.6	0.4	
T,J,V D		0.8-0.9 0.9-1.0	Stiff mid brown and mottled blue grey, slightly silty, slightly sandy, slightly gravelly CLAY. Gravel of fine to coarse round chalk and rare flint.	O X	1.0		
SPT D	3,3,2,4,5 N=14	1.2-1.65 1.5-1.6	.....becomes stiff to very stiff	O X			
D SPT	2,2,2,2,3 N=9	1.9-2.0 2.0-2.45	.....becomes stiff with orange born mottling and rare dead roots.	O X	2.0		
D		2.4-2.5		O X			
D SPT	3,2,3,3,4 N=12	2.9-3.0 3.0-3.45		O X	3.0		
D		3.9-4.0	.....becomes soft to firm.	O X			
SPT D	2,1,2,2,2 N=7	4.0-4.45 4.4-4.5	.....becomes firm and mid brown in colour.	O X	4.0		
D		4.8-5.0		O X			
SPT	2,2,4,3,5 N=14	5.0-5.45		O X	5.0		
			Base of borehole.	O X	5.5	4.9	
					6.0		
					7.0		

Remarks: Groundwater: Dry	 Page 1 of 1
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Keys J - 250 or 500ml Jar, T - Tub, V - Vial or 60ml jar, D - Small Disturbed, B - Large bulk sample, W - Water sample.

APPENDIX VII
GEOTECHNICAL RESULTS



TEST REPORT
 ISSUED BY SOIL PROPERTY TESTING LTD
 DATE ISSUED: 12/06/2023



Contract		Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH	
Serial No.		42654_1	
Client:		<p align="center"><i>Soil Property Testing Ltd</i></p> <p>15, 16, 18 Halcyon Court, St Margaret's Way, Stukeley Meadows, Huntingdon, Cambridgeshire, PE29 6DG</p> <p>Tel: 01480 455579 Email: enquiries@soilpropertytesting.com Website: www.soilpropertytesting.com</p>	
Brown 2 Green Associates Suite 1, Wenden Court Station Road Wendends Ambo Nr. Saffron Walden CB11 4LB			
Samples Submitted By:		Approved Signatories:	
Brown 2 Green Associates Samples Labelled: Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH		<input checked="" type="checkbox"/> J.C. Garner B.Eng (Hons) FGS Technical Director & Quality Manager <input type="checkbox"/> W. Johnstone Materials Lab Manager 	
Date Received: 30/05/2023		Samples Tested Between: 30/05/2023 and 12/06/2023	
Remarks:			
For the attention of Philip Miles Your Reference No: 3293			
Notes:			
1 All remaining samples or remnants from this contract will be disposed of after 21 days from today, unless we are notified to the contrary.			
2 Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.			
3 Tests marked "NOT UKAS ACCREDITED" in this test report are not included in the UKAS Accreditation Schedule for this testing laboratory.			
4 This test report may not be reproduced other than in full except with the prior written approval of the issuing laboratory.			
5 The results within this report only relate to the items tested or sampled.			



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 12/06/2023



Contract	Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH
Serial No.	42654_1

SUMMARY OF WATER CONTENT

Borehole /Pit No.	Depth (m)	Type	Ref.	Water Content (%)	Description	Remarks
WS1	0.80 - 0.90	-	-	30.0	Firm mottled grey and yellowish brown slightly gravelly slightly sandy silty CLAY with frequent recently active and decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	
WS1	1.30 - 1.40	-	-	19.9	Firm mottled bluish grey and light olive brown slightly gravelly slightly sandy silty CLAY with rare decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	
WS1	1.90 - 2.00	-	-	22.9	Stiff mottled bluish grey and light olive brown slightly gravelly slightly sandy silty CLAY with occasional recently active and decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	
WS1	2.90 - 3.00	-	-	19.2	Stiff mottled bluish grey and olive slightly gravelly slightly sandy silty CLAY. Gravel is fine and medium angular to subrounded chalk and chert	
WS1	3.90 - 4.00	-	-	20.0	Firm mottled bluish grey and olive yellow slightly gravelly slightly sandy silty CLAY with occasional orange staining. Gravel is fine and medium subangular and subrounded chalk	
WS5	0.90 - 1.00	-	-	18.5	Firm mottled light bluish grey and light olive brown slightly gravelly slightly sandy silty CLAY with rare recently active and decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	
WS5	1.50 - 1.60	-	-	18.0	Stiff mottled light bluish grey and olive yellow slightly gravelly slightly sandy silty CLAY with rare decayed roots. Gravel is fine and medium subangular and subrounded chalk	
WS5	1.90 - 2.00	-	-	16.4	Stiff mottled light bluish grey and brownish yellow slightly gravelly slightly sandy silty CLAY with rare decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	
WS5	2.90 - 3.00	-	-	16.6	Stiff mottled light bluish grey and olive yellow slightly gravelly slightly sandy silty CLAY. Gravel is fine and medium subangular and subrounded chalk	
WS5	3.90 - 4.00	-	-	20.6	Firm olive yellow slightly gravelly slightly sandy silty CLAY with rare orange staining. Gravel is fine and medium angular to subrounded chalk	
WS6	0.90 - 1.00	-	-	19.4	Stiff mottled light bluish grey and olive brown slightly gravelly slightly sandy silty CLAY with rare recently active and decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	
WS6	1.90 - 2.00	-	-	19.3	Stiff mottled light bluish grey and olive yellow slightly gravelly slightly sandy silty CLAY with occasional decayed roots. Gravel is fine and medium angular to subrounded chalk	
WS6	2.90 - 3.00	-	-	16.5	Stiff mottled light grey and olive yellow slightly gravelly slightly sandy silty CLAY with occasional orange staining and rare decayed roots. Gravel is fine and medium subangular and subrounded chalk	
WS6	3.80 - 3.90	-	-	19.0	Firm olive yellow slightly gravelly slightly sandy silty CLAY with occasional orange staining. Gravel is fine and medium subangular and subrounded chalk	

Method Of Preparation: BS EN ISO: 17892-1: 2014
 Method of Test: BS EN ISO: 17892-1: 2014
 Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
 Comments:
 Remarks to Include: Sample disturbance, loss of moisture, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110C



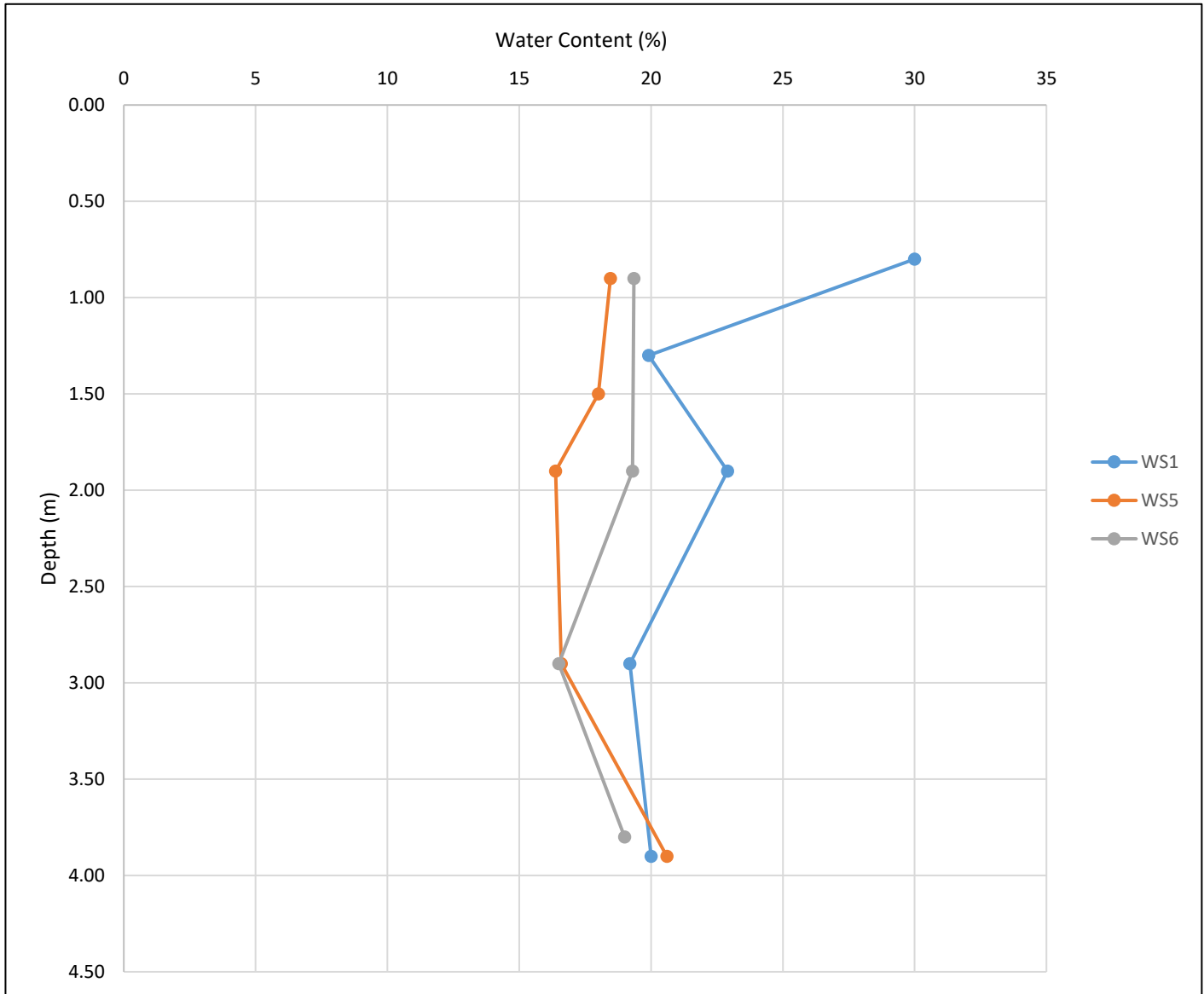
TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 12/06/2023



Contract	Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH
Serial No.	42654_1

WATER CONTENT VS DEPTH BELOW GROUND LEVEL



Method of Preparation:	BSEN ISO 17892-1: 2014
Method of Test:	BSEN ISO 17892-1: 2014
Type of Sample Key:	U - Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	
Remarks to Include:	Sample disturbance, loss of moisture, variation from test procedure, location and origin of test specimen within original sample, oven drying temperature if not 105-110°C



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 12/06/2023



Contract	Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH
Serial No.	42654_1

SUMMARY OF WATER CONTENT, LIQUID LIMIT, PLASTIC LIMIT, PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole /Pit No.	Depth (m)	Type	Ref.	Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index (%)	Liquidity Index	Sample Preparation				Description	Class
									Method	Ret'd 0.425mm (%)	Corr'd W/C <0.425mm	Curing Time (hrs)		
WS1	1.30 - 1.40	-	-	19.9	49	18	31	0.06	Wet Sieved	8 (M)	21.6*	26	Firm mottled bluish grey and light olive brown slightly gravelly slightly sandy silty CLAY with rare decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	CI
WS1	2.90 - 3.00	-	-	19.2	42	18	24	0.05	Wet Sieved	13 (M)	22.1*	24	Stiff mottled bluish grey and olive slightly gravelly slightly sandy silty CLAY. Gravel is fine and medium angular to subrounded chalk and chert	CI
WS5	0.90 - 1.00	-	-	18.5	46	15	31	0.11	Wet Sieved	14 (M)	21.5*	24	Firm mottled light bluish grey and light olive brown slightly gravelly slightly sandy silty CLAY with rare recently active and decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	CI
WS5	1.90 - 2.00	-	-	16.4	35	15	20	0.07	Wet Sieved	12 (M)	18.6*	24	Stiff mottled light bluish grey and brownish yellow slightly gravelly slightly sandy silty CLAY with rare decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	CL/CI
WS6	0.90 - 1.00	-	-	19.4	51	18	33	0.04	Wet Sieved	8 (M)	21.0*	26	Stiff mottled light bluish grey and olive brown slightly gravelly slightly sandy silty CLAY with rare recently active and decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	CH

Method Of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2:1990:4.2
 Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2:1990:3.2, 4.4, 5.3, 5.4
 Type of Sample Key: U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
 Comments: *Corrected water content assume material greater than 0.425mm is non-porous. See BS1377: Part 2: 1990 Clause 3 Note 1.
 Table Notation: Ret'd 0.425mm: (A) = Assumed, (M) = Measured



TEST REPORT

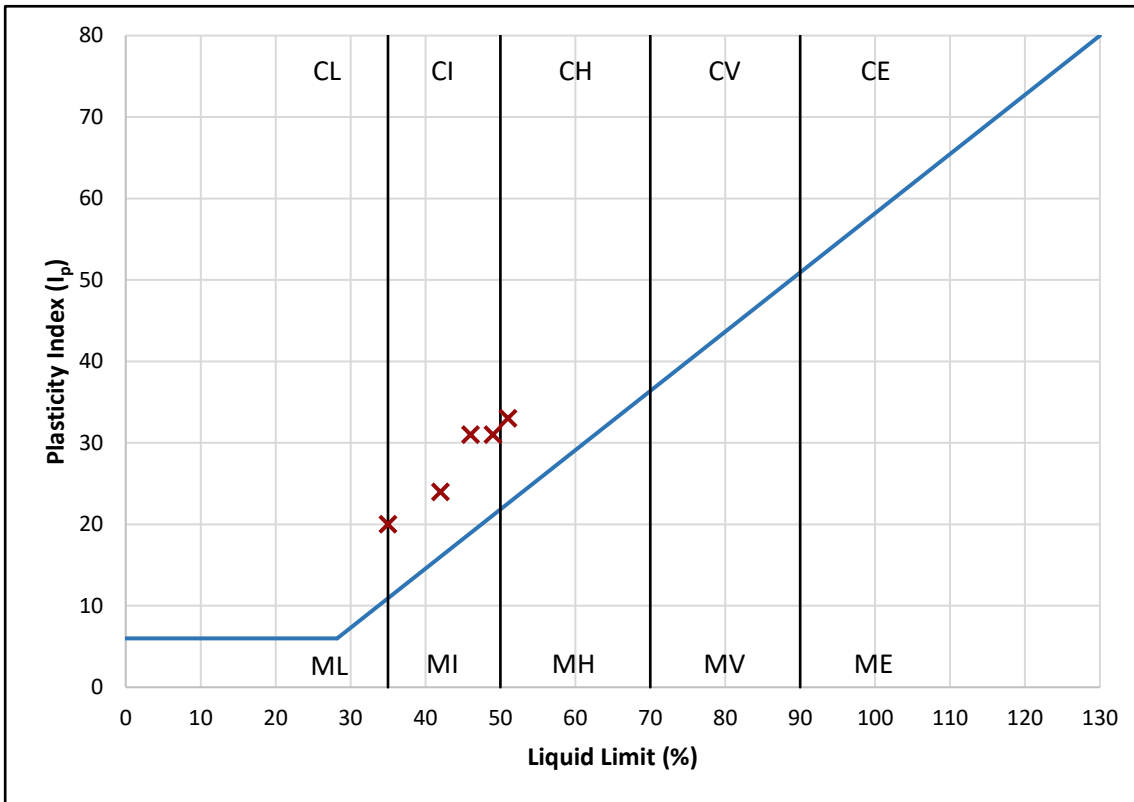
ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 12/06/2023



Contract	Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH
Serial No.	42654_1

PLOT OF PLASTICITY INDEX AGAINST LIQUID LIMIT USING CASAGRANDE CLASSIFICATION CHART

Plasticity				
Low	Medium	High	Very High	Extremely High



Plasticity Chart BS5930: 2015: Figure 8

High	NHBC Volume Change Potential
Medium	
Low	

Method of Preparation:	BS 1377: Part 2: 1990: 4.2
Method of Test:	BS1377: Part 2: 3.2, 4.4, 5.3, 5.4
Type of Sample Key:	U = Undisturbed, B = Bulk, D = Disturbed, J = Jar, W = Water, SPT = Split Spoon Sample, C = Core Cutter
Comments:	Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index



TEST REPORT

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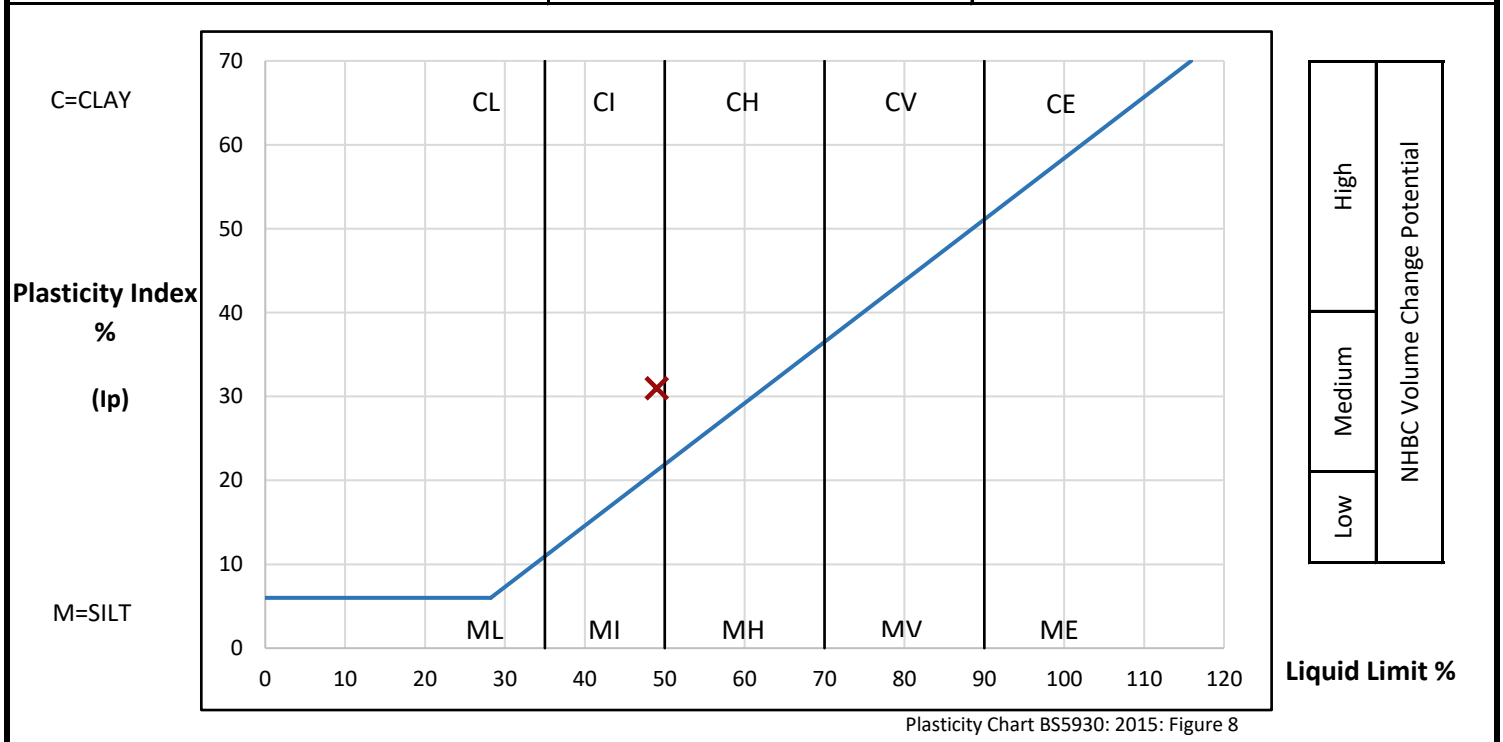


Contract	Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH
Serial No.	42654_1

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample		Water Content (W) %	Description	Remarks
		Type	Reference			
WS1	1.30 - 1.40	-	-	19.9	Firm mottled bluish grey and light olive brown slightly gravelly slightly sandy silty CLAY with rare decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	

PREPARATION			Liquid Limit	49 %	
Method of preparation	Wet sieved over 0.425mm sieve		Plastic Limit	18 %	
Sample retained 0.425mm sieve (Measured)	8 %		Plasticity Index	31 %	
Corrected water content for material passing 0.425mm	21.6 %		Liquidity Index	0.06	
Sample retained 2mm sieve (Measured)	5 %		NHBC Modified (I'p)	29 %	
Curing time	26 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Method of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
 Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
 Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
 Comments: Corrected water content assume material greater than 0.425mm non-porous. See BS1377: Part2: 1990 Clause 3 Note 1
 Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index
 Note: Modified Plasticity Index I'p = Ip x (% less than 425microns/100)



TEST REPORT

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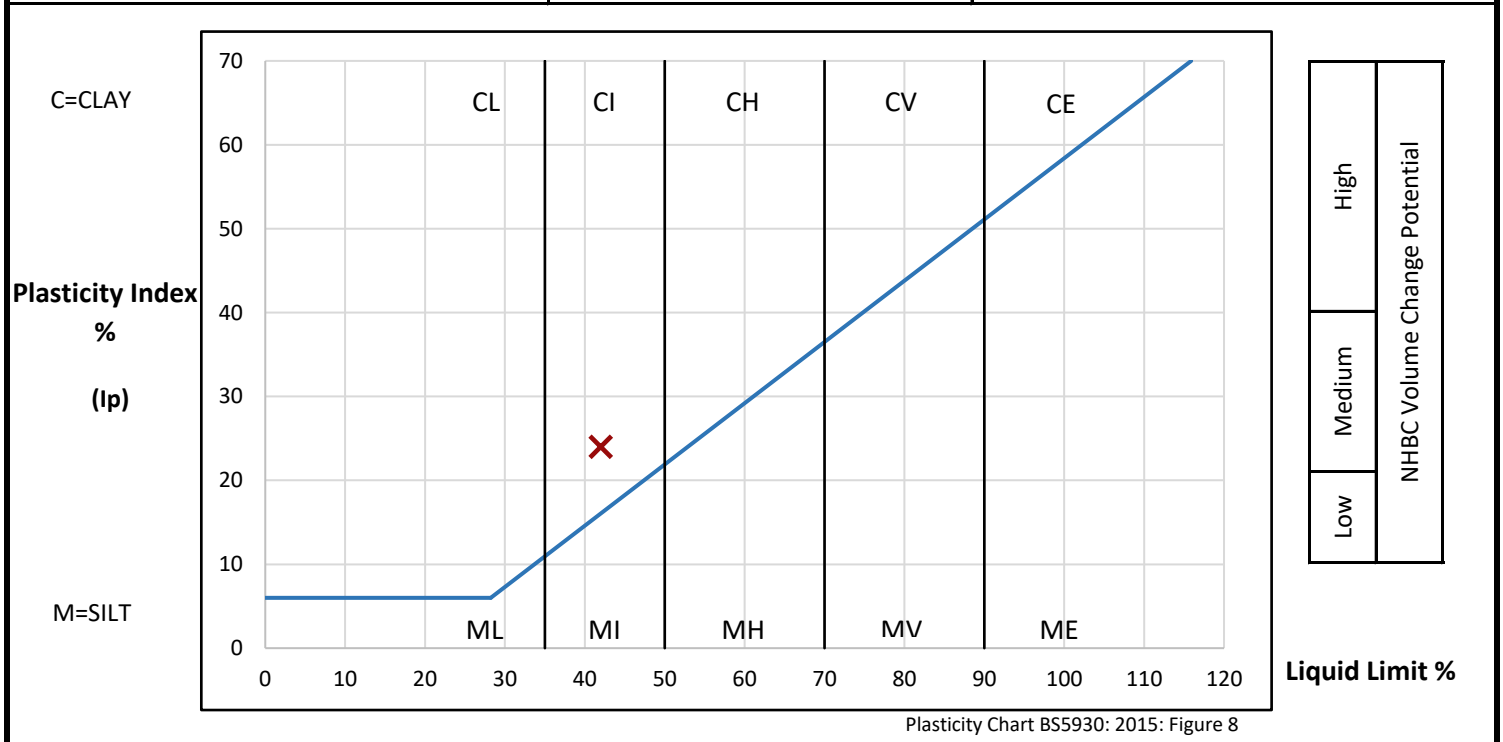


Contract	Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH
Serial No.	42654_1

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample		Water Content (W) %	Description	Remarks
		Type	Reference			
WS1	2.90 - 3.00	-	-	19.2	Stiff mottled bluish grey and olive slightly gravelly slightly sandy silty CLAY. Gravel is fine and medium angular to subrounded chalk and chert	

PREPARATION			Liquid Limit	42 %	
Method of preparation			Wet sieved over 0.425mm sieve	Plastic Limit	18 %
Sample retained 0.425mm sieve	(Measured)	13 %	Plasticity Index	24 %	
Corrected water content for material passing 0.425mm			22.1 %	Liquidity Index	0.05
Sample retained 2mm sieve	(Measured)	10 %	NHBC Modified (I'p)	21 %	
Curing time	24 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Method of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
 Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
 Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
 Comments: Corrected water content assume material greater than 0.425mm non-porous. See BS1377: Part2: 1990 Clause 3 Note 1
 Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index
 Note: Modified Plasticity Index I'p = Ip x (% less than 425microns/100)



TEST REPORT

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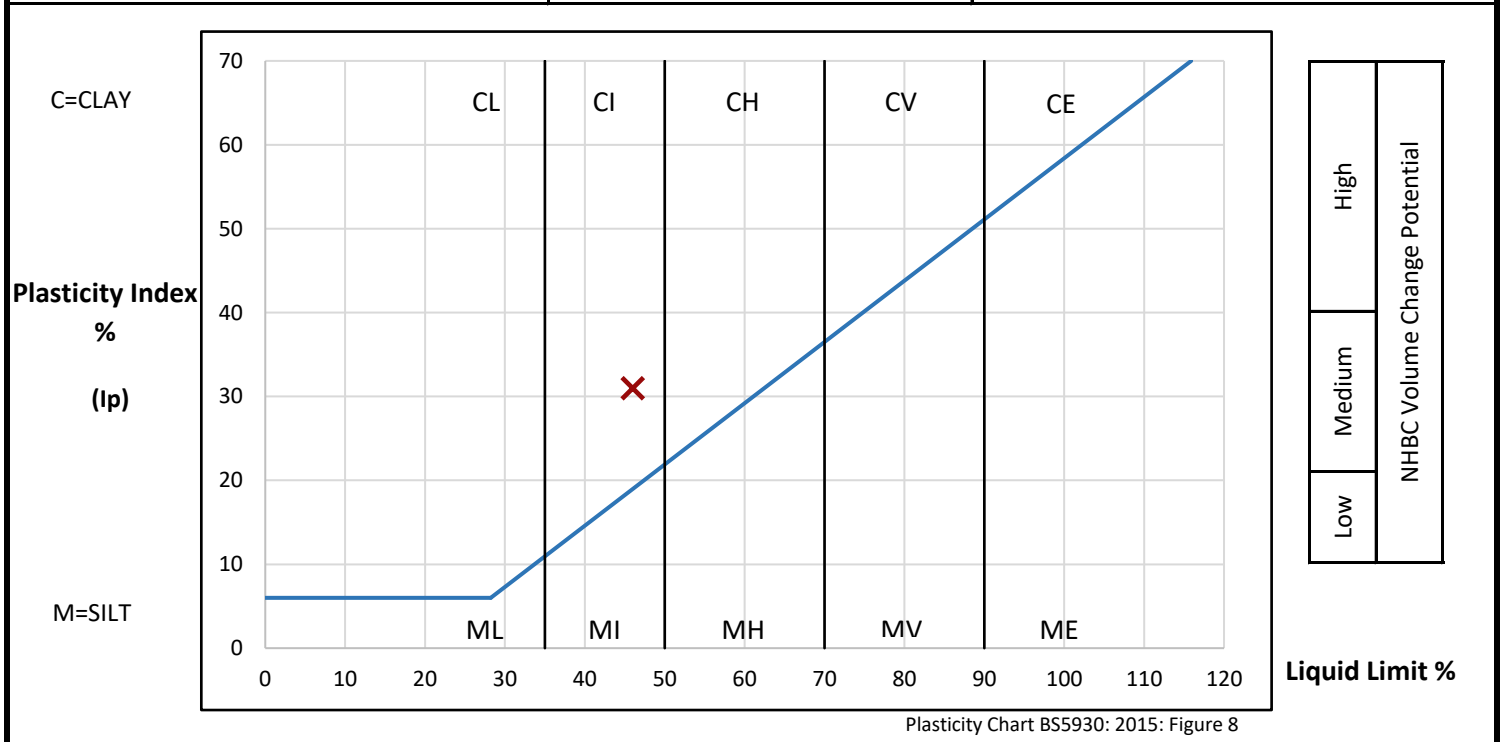


Contract	Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH
Serial No.	42654_1

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample		Water Content (W) %	Description	Remarks
		Type	Reference			
WS5	0.90 - 1.00	-	-	18.5	Firm mottled light bluish grey and light olive brown slightly gravelly slightly sandy silty CLAY with rare recently active and decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	

PREPARATION			Liquid Limit	46 %	
Method of preparation			Wet sieved over 0.425mm sieve	Plastic Limit	15 %
Sample retained 0.425mm sieve	(Measured)	14 %	Plasticity Index	31 %	
Corrected water content for material passing 0.425mm			21.5 %	Liquidity Index	0.11
Sample retained 2mm sieve	(Measured)	11 %	NHBC Modified (I'p)	27 %	
Curing time	24 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Method of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
 Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
 Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
 Comments: Corrected water content assume material greater than 0.425mm non-porous. See BS1377: Part2: 1990 Clause 3 Note 1
 Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index
 Note: Modified Plasticity Index I'p = Ip x (% less than 425microns/100)



TEST REPORT

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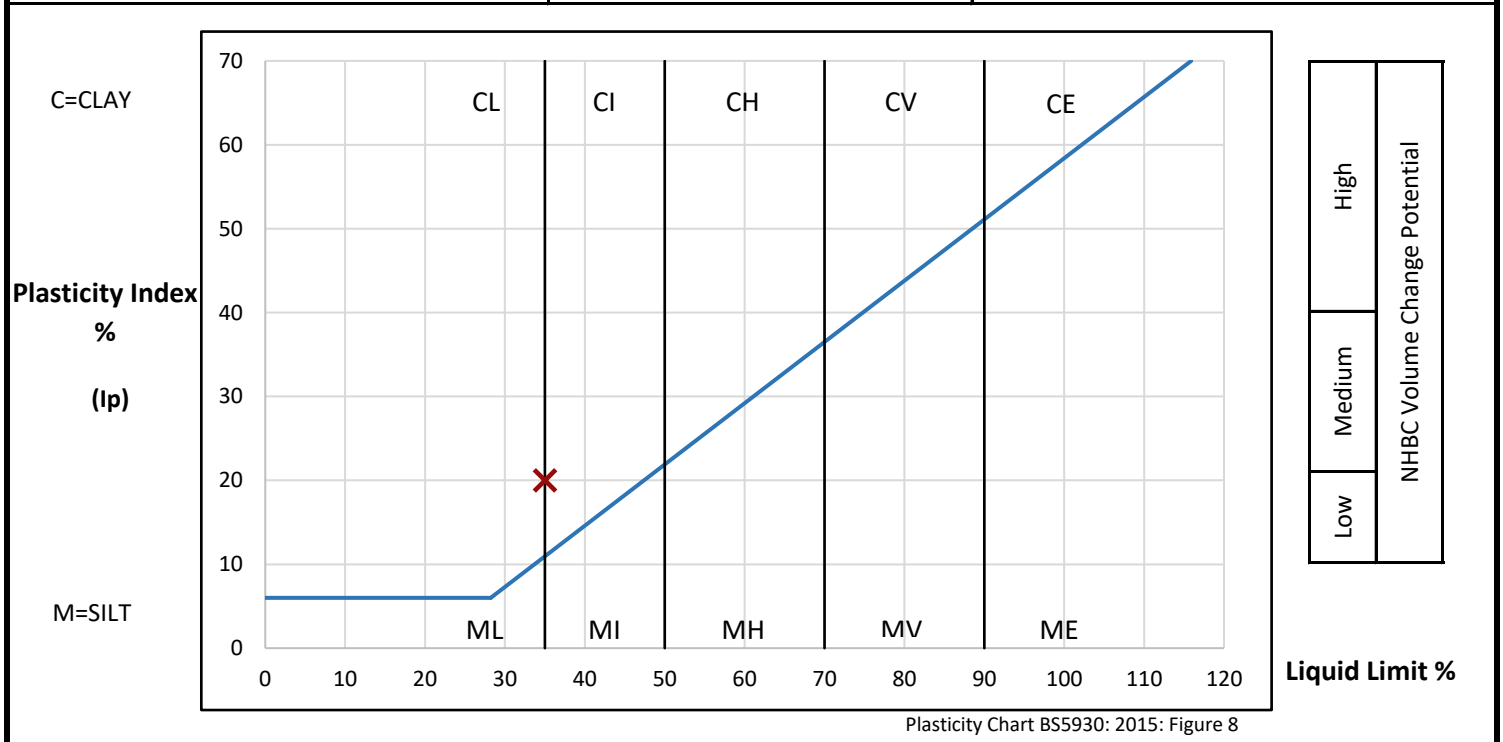


Contract	Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH
Serial No.	42654_1

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample		Water Content (W) %	Description	Remarks
		Type	Reference			
WS5	1.90 - 2.00	-	-	16.4	Stiff mottled light bluish grey and brownish yellow slightly gravelly slightly sandy silty CLAY with rare decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	

PREPARATION			Liquid Limit	35 %	
Method of preparation			Wet sieved over 0.425mm sieve	Plastic Limit	15 %
Sample retained 0.425mm sieve	(Measured)	12 %	Plasticity Index	20 %	
Corrected water content for material passing 0.425mm			18.6 %	Liquidity Index	0.07
Sample retained 2mm sieve	(Measured)	10 %	NHBC Modified (I'p)	18 %	
Curing time	24 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Method of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
 Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
 Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
 Comments: Corrected water content assume material greater than 0.425mm non-porous. See BS1377: Part2: 1990 Clause 3 Note 1
 Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index
 Note: Modified Plasticity Index I'p = Ip x (% less than 425microns/100)



TEST REPORT

ISSUED BY SOIL PROPERTY TESTING LTD
DATE ISSUED: 12/06/2023

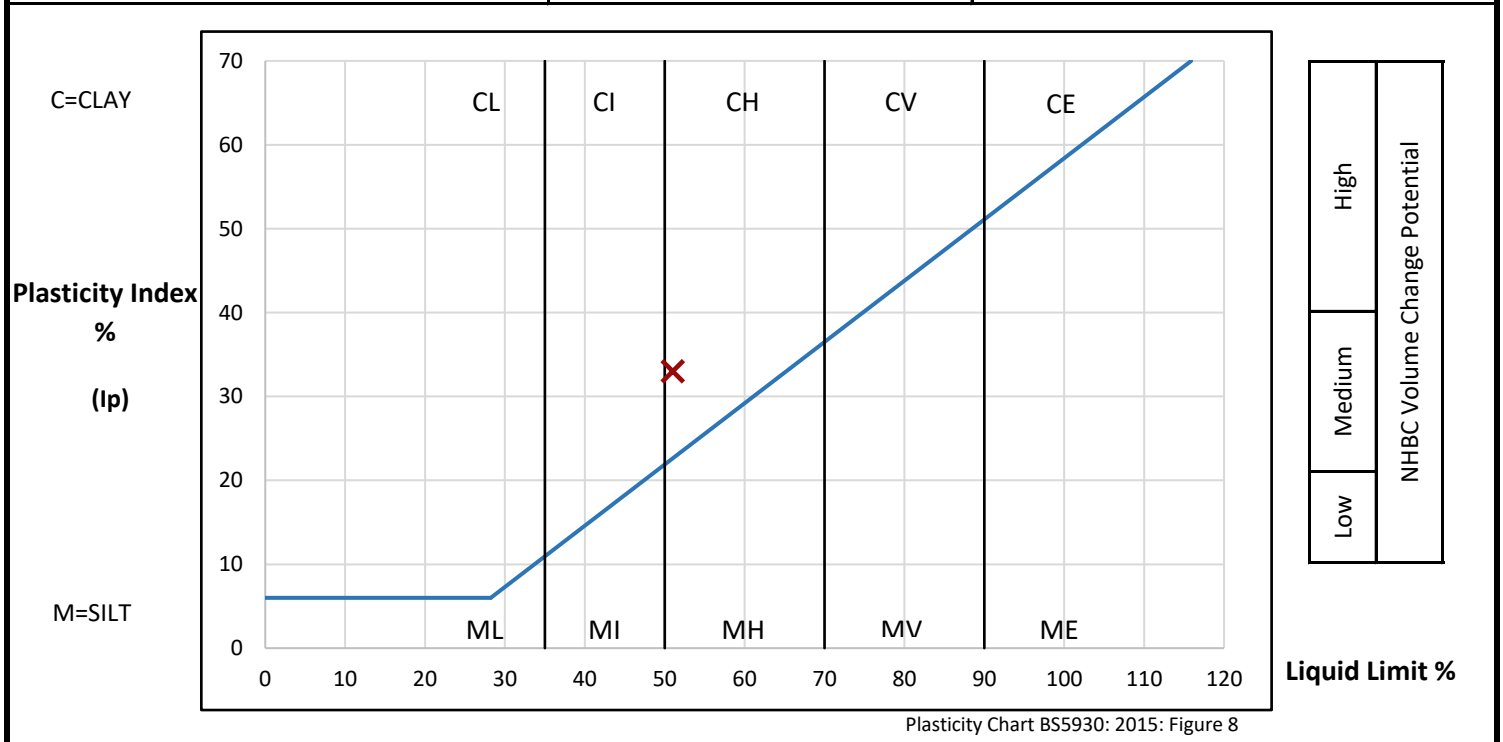


Contract	Duck End Farm, Duckend Farm Lane, Holder's Green, Lindsell, CM6 3QH
Serial No.	42654_1

DETERMINATION OF WATER CONTENT, LIQUID LIMIT AND PLASTIC LIMIT AND DERIVATION OF PLASTICITY INDEX AND LIQUIDITY INDEX

Borehole / Pit No.	Depth m	Sample		Water Content (W) %	Description	Remarks
		Type	Reference			
WS6	0.90 - 1.00	-	-	19.4	Stiff mottled light bluish grey and olive brown slightly gravelly slightly sandy silty CLAY with rare recently active and decayed roots. Gravel is fine and medium angular to subrounded chalk and chert	

PREPARATION			Liquid Limit	51 %	
Method of preparation			Wet sieved over 0.425mm sieve	Plastic Limit	18 %
Sample retained 0.425mm sieve	(Measured)	8 %	Plasticity Index	33 %	
Corrected water content for material passing 0.425mm			21.0 %	Liquidity Index	0.04
Sample retained 2mm sieve	(Measured)	6 %	NHBC Modified (I'p)	30 %	
Curing time	26 hrs	Clay Content	Not analysed	Derived Activity	Not analysed



Method of Preparation: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 4.2
 Method of Test: BS EN ISO: 17892-1: 2014 & BS 1377: Part 2: 1990: 3.2, 4.4, 5.3, 5.4
 Type of Sample Key: U=Undisturbed, B=Bulk, D=Disturbed, J=Jar, W=Water, SPT=Split Spoon Sample, C=Core Cutter
 Comments: Corrected water content assume material greater than 0.425mm non-porous. See BS1377: Part2: 1990 Clause 3 Note 1
 Volume Change Potential: NHBC Standards Chapter 4.2 Unmodified Plasticity Index
 Note: Modified Plasticity Index I'p = Ip x (% less than 425microns/100)

APPENDIX VIII
CHEMICAL ANALYSIS REPORTS



Final Report

Report No.: 23-17863-1

Initial Date of Issue: 06-Jun-2023

Re-Issue Details:

Client Brown 2 Green Associates

Client Address: Suite 1, Wenden Court
Station Road
Wendens Ambo
Nr. Saffron Walden
Essex
CB11 4LB

Contact(s): Philip Miles
Radu Mihai Ilie

Project 3293 Duck End Farm Holders, Green
Road, Lindsell

Quotation No.: **Date Received:** 28-May-2023

Order No.: **Date Instructed:** 28-May-2023

No. of Samples: 11

Turnaround (Wkdays): 5 **Results Due:** 02-Jun-2023

Date Approved: 06-Jun-2023

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 3293 Duck End Farm Holders, Green Road, Lindsell

Client: Brown 2 Green Associates		Chemtest Job No.:		23-17863	23-17863	23-17863	23-17863	23-17863	23-17863	23-17863	23-17863	23-17863
Quotation No.:	Chemtest Sample ID.:		1646847	1646848	1646849	1646850	1646851	1646852	1646853	1646854		
	Sample Location:		WS1	WS1	WS2	WS3	WS3	WS4	WS5	WS6		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.1	0.9	0.1	0.1	0.45	0.1	0	0.3		
	Bottom Depth (m):		0.2	1	0.2	0.3	0.65	0.3	0.1	0.4		
	Date Sampled:		24-May-2023	24-May-2023	24-May-2023	24-May-2023	24-May-2023	24-May-2023	24-May-2023	24-May-2023		
	Asbestos Lab:		DURHAM		DURHAM	DURHAM		DURHAM		DURHAM		
Determinand	Accred.	SOP	Units	LOD								
ACM Type	U	2192		N/A	-		-		-			-
Asbestos Identification	U	2192		N/A	No Asbestos Detected		No Asbestos Detected		No Asbestos Detected		No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	16	28	19	16	23	16	19	18
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Roots and Stones	Stones	Roots
Soil Texture	N	2040		N/A	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay
pH	M	2010		4.0		7.9	8.0	8.3		8.3		
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010		0.029	< 0.010	< 0.010		< 0.010		
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50		< 0.50	< 0.50		< 0.50		
Arsenic	M	2455	mg/kg	0.5	7.3	10	13	8.4	8.6	9.2	9.7	12
Cadmium	M	2455	mg/kg	0.10	0.24	1.7	0.39	0.15	0.25	0.17	0.42	< 0.10
Chromium	M	2455	mg/kg	0.5	18	17	32	20	23	32	29	30
Copper	M	2455	mg/kg	0.50	15	23	20	13	18	17	23	11
Mercury	M	2455	mg/kg	0.05	0.05	0.16	0.06	0.05	0.07	< 0.05	0.05	0.06
Nickel	M	2455	mg/kg	0.50	19	17	33	27	21	32	24	24
Lead	M	2455	mg/kg	0.50	28	130	34	11	160	13	55	15
Selenium	M	2455	mg/kg	0.25	0.36	0.81	0.76	0.49	0.51	0.62	0.80	0.67
Vanadium	U	2455	mg/kg	0.5	27	28	51	29	35	44	41	46
Zinc	M	2455	mg/kg	0.50	130	1300	180	46	260	50	250	71
Aliphatic VPH >C5-C6	U	2780	mg/kg	0.05				< 0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C7	U	2780	mg/kg	0.05				< 0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C7-C8	U	2780	mg/kg	0.05				< 0.05		< 0.05	< 0.05	< 0.05
Aliphatic VPH >C6-C8 (Sum)	N	2780	mg/kg	0.10				< 0.10		< 0.10	< 0.10	< 0.10
Total Aliphatic VPH >C5-C10	U	2780	mg/kg	0.25				< 0.25		< 0.25	< 0.25	< 0.25
Aliphatic EPH >C10-C12	M	2690	mg/kg	2.00				5.4		3.3	7.0	4.6
Aliphatic VPH >C8-C10	U	2780	mg/kg	0.05				< 0.05		< 0.05	< 0.05	< 0.05
Aliphatic EPH >C12-C16	M	2690	mg/kg	1.00				4.6		1.7	7.8	2.6
Aliphatic EPH >C16-C21	M	2690	mg/kg	2.00				2.5		< 2.0	11	< 2.0
Aliphatic EPH >C21-C35	M	2690	mg/kg	3.00				4.8		< 3.0	32	6.6
Aliphatic EPH >C35-C40	N	2690	mg/kg	10.00				< 10		< 10	< 10	< 10
Total Aliphatic EPH >C10-C35	M	2690	mg/kg	5.00				17		6.3	58	15
Total Aliphatic EPH >C10-C40	N	2690	mg/kg	10.00				17		< 10	58	15
Aromatic VPH >C5-C7	U	2780	mg/kg	0.05				< 0.05		< 0.05	< 0.05	< 0.05
Aromatic VPH >C7-C8	U	2780	mg/kg	0.05				< 0.05		< 0.05	< 0.05	< 0.05
Aromatic VPH >C8-C10	U	2780	mg/kg	0.05				< 0.05		< 0.05	< 0.05	< 0.05

Results - Soil

Project: 3293 Duck End Farm Holders, Green Road, Lindsell

Client: Brown 2 Green Associates		Chemtest Job No.:		23-17863	23-17863	23-17863	23-17863	23-17863	23-17863	23-17863	23-17863
Quotation No.:		Chemtest Sample ID.:		1646847	1646848	1646849	1646850	1646851	1646852	1646853	1646854
		Sample Location:		WS1	WS1	WS2	WS3	WS3	WS4	WS5	WS6
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.1	0.9	0.1	0.1	0.45	0.1	0	0.3
		Bottom Depth (m):		0.2	1	0.2	0.3	0.65	0.3	0.1	0.4
		Date Sampled:		24-May-2023	24-May-2023	24-May-2023	24-May-2023	24-May-2023	24-May-2023	24-May-2023	24-May-2023
		Asbestos Lab:		DURHAM		DURHAM	DURHAM		DURHAM		DURHAM
Determinand	Accred.	SOP	Units	LOD							
Total Aromatic VPH >C5-C10	U	2780	mg/kg	0.25			< 0.25		< 0.25	< 0.25	< 0.25
Aromatic EPH >C10-C12	U	2690	mg/kg	1.00			< 1.0		< 1.0	< 1.0	< 1.0
Aromatic EPH >C12-C16	U	2690	mg/kg	1.00			< 1.0		< 1.0	18	< 1.0
Aromatic EPH >C16-C21	U	2690	mg/kg	2.00			< 2.0		2.2	220	6.4
Aromatic EPH >C21-C35	U	2690	mg/kg	2.00			6.9		< 2.0	630	7.7
Aromatic EPH >C35-C40	N	2690	mg/kg	1.00			1.0		4.9	100	36
Total Aromatic EPH >C10-C35	U	2690	mg/kg	5.00			7.2		< 5.0	870	14
Total Aromatic EPH >C10-C40	N	2690	mg/kg	10.00			< 10		< 10	970	50
Total VPH >C5-C10	U	2780	mg/kg	0.50			< 0.50		< 0.50	< 0.50	< 0.50
Total EPH >C10-C35	U	2690	mg/kg	10.00			25		< 10	930	29
Total EPH >C10-C40	N	2690	mg/kg	10.00			26		< 10	1000	65
Organic Matter	M	2625	%	0.40	1.7		0.97	< 0.40	< 0.40		
Benzene	M	2760	µg/kg	1.0						< 1.0	< 1.0
Toluene	M	2760	µg/kg	1.0						< 1.0	< 1.0
Ethylbenzene	M	2760	µg/kg	1.0						< 1.0	< 1.0
m & p-Xylene	M	2760	µg/kg	1.0						< 1.0	< 1.0
o-Xylene	M	2760	µg/kg	1.0						< 1.0	< 1.0
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0						< 1.0	< 1.0
Naphthalene	M	2800	mg/kg	0.10	0.34	0.38	< 0.10	< 0.10	< 0.10	< 0.10	0.46
Acenaphthylene	N	2800	mg/kg	0.10	0.37	0.66	< 0.10	< 0.10	0.12	< 0.10	0.70
Acenaphthene	M	2800	mg/kg	0.10	0.20	< 0.10	< 0.10	< 0.10	0.12	< 0.10	1.3
Fluorene	M	2800	mg/kg	0.10	0.34	0.43	< 0.10	< 0.10	0.19	< 0.10	1.5
Phenanthrene	M	2800	mg/kg	0.10	4.4	8.5	0.29	< 0.10	2.0	< 0.10	17
Anthracene	M	2800	mg/kg	0.10	0.73	0.66	0.10	< 0.10	0.46	< 0.10	4.4
Fluoranthene	M	2800	mg/kg	0.10	7.7	12	0.51	< 0.10	3.5	< 0.10	28
Pyrene	M	2800	mg/kg	0.10	6.3	8.9	0.43	< 0.10	2.8	< 0.10	24
Benzo[a]anthracene	M	2800	mg/kg	0.10	2.8	3.3	0.22	< 0.10	1.6	< 0.10	11
Chrysene	M	2800	mg/kg	0.10	3.7	5.3	0.25	< 0.10	1.8	< 0.10	12
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	4.6	5.5	0.27	< 0.10	2.1	< 0.10	15
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	1.8	2.2	0.10	< 0.10	0.82	< 0.10	5.6
Benzo[a]pyrene	M	2800	mg/kg	0.10	3.3	4.4	0.19	< 0.10	1.7	< 0.10	12
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	2.3	2.8	0.15	< 0.10	1.1	< 0.10	7.9
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	0.44	0.43	< 0.10	< 0.10	0.19	< 0.10	1.5
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	2.3	2.4	0.11	< 0.10	1.0	< 0.10	7.6
Total Of 16 PAH's	N	2800	mg/kg	2.0	42	58	2.6	< 2.0	20	< 2.0	150

Results - Soil

Project: 3293 Duck End Farm Holders, Green Road, Lindsell

Client: Brown 2 Green Associates		Chemtest Job No.:			23-17863	23-17863	23-17863
Quotation No.:		Chemtest Sample ID.:			1646855	1646856	1646857
		Sample Location:			WS6	WS2	WS2
		Sample Type:			SOIL	SOIL	SOIL
		Top Depth (m):			2.9	0.8	1.9
		Bottom Depth (m):			3	0.9	2
		Date Sampled:			24-May-2023	24-May-2023	24-May-2023
		Asbestos Lab:					
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A			
Asbestos Identification	U	2192		N/A			
Moisture	N	2030	%	0.020	13	17	14
Soil Colour	N	2040		N/A	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Roots and Stones	Stones and Roots
Soil Texture	N	2040		N/A	Clay	Clay	Clay
pH	M	2010		4.0	8.3	8.3	8.3
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010	< 0.010	< 0.010
Cyanide (Total)	M	2300	mg/kg	0.50			
Arsenic	M	2455	mg/kg	0.5			
Cadmium	M	2455	mg/kg	0.10			
Chromium	M	2455	mg/kg	0.5			
Copper	M	2455	mg/kg	0.50			
Mercury	M	2455	mg/kg	0.05			
Nickel	M	2455	mg/kg	0.50			
Lead	M	2455	mg/kg	0.50			
Selenium	M	2455	mg/kg	0.25			
Vanadium	U	2455	mg/kg	0.5			
Zinc	M	2455	mg/kg	0.50			
Aliphatic VPH >C5-C6	U	2780	mg/kg	0.05			
Aliphatic VPH >C6-C7	U	2780	mg/kg	0.05			
Aliphatic VPH >C7-C8	U	2780	mg/kg	0.05			
Aliphatic VPH >C6-C8 (Sum)	N	2780	mg/kg	0.10			
Total Aliphatic VPH >C5-C10	U	2780	mg/kg	0.25			
Aliphatic EPH >C10-C12	M	2690	mg/kg	2.00			
Aliphatic VPH >C8-C10	U	2780	mg/kg	0.05			
Aliphatic EPH >C12-C16	M	2690	mg/kg	1.00			
Aliphatic EPH >C16-C21	M	2690	mg/kg	2.00			
Aliphatic EPH >C21-C35	M	2690	mg/kg	3.00			
Aliphatic EPH >C35-C40	N	2690	mg/kg	10.00			
Total Aliphatic EPH >C10-C35	M	2690	mg/kg	5.00			
Total Aliphatic EPH >C10-C40	N	2690	mg/kg	10.00			
Aromatic VPH >C5-C7	U	2780	mg/kg	0.05			
Aromatic VPH >C7-C8	U	2780	mg/kg	0.05			
Aromatic VPH >C8-C10	U	2780	mg/kg	0.05			

Results - Soil

Project: 3293 Duck End Farm Holders, Green Road, Lindsell

Client: Brown 2 Green Associates		Chemtest Job No.:					
		23-17863	23-17863	23-17863			
Quotation No.:	Chemtest Sample ID.:	1646855	1646856	1646857			
	Sample Location:	WS6	WS2	WS2			
	Sample Type:	SOIL	SOIL	SOIL			
	Top Depth (m):	2.9	0.8	1.9			
	Bottom Depth (m):	3	0.9	2			
	Date Sampled:	24-May-2023	24-May-2023	24-May-2023			
	Asbestos Lab:						
Determinand	Accred.	SOP	Units	LOD			
Total Aromatic VPH >C5-C10	U	2780	mg/kg	0.25			
Aromatic EPH >C10-C12	U	2690	mg/kg	1.00			
Aromatic EPH >C12-C16	U	2690	mg/kg	1.00			
Aromatic EPH >C16-C21	U	2690	mg/kg	2.00			
Aromatic EPH >C21-C35	U	2690	mg/kg	2.00			
Aromatic EPH >C35-C40	N	2690	mg/kg	1.00			
Total Aromatic EPH >C10-C35	U	2690	mg/kg	5.00			
Total Aromatic EPH >C10-C40	N	2690	mg/kg	10.00			
Total VPH >C5-C10	U	2780	mg/kg	0.50			
Total EPH >C10-C35	U	2690	mg/kg	10.00			
Total EPH >C10-C40	N	2690	mg/kg	10.00			
Organic Matter	M	2625	%	0.40			
Benzene	M	2760	µg/kg	1.0			
Toluene	M	2760	µg/kg	1.0			
Ethylbenzene	M	2760	µg/kg	1.0			
m & p-Xylene	M	2760	µg/kg	1.0			
o-Xylene	M	2760	µg/kg	1.0			
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0			
Naphthalene	M	2800	mg/kg	0.10			
Acenaphthylene	N	2800	mg/kg	0.10			
Acenaphthene	M	2800	mg/kg	0.10			
Fluorene	M	2800	mg/kg	0.10			
Phenanthrene	M	2800	mg/kg	0.10			
Anthracene	M	2800	mg/kg	0.10			
Fluoranthene	M	2800	mg/kg	0.10			
Pyrene	M	2800	mg/kg	0.10			
Benzo[a]anthracene	M	2800	mg/kg	0.10			
Chrysene	M	2800	mg/kg	0.10			
Benzo[b]fluoranthene	M	2800	mg/kg	0.10			
Benzo[k]fluoranthene	M	2800	mg/kg	0.10			
Benzo[a]pyrene	M	2800	mg/kg	0.10			
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10			
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10			
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10			
Total Of 16 PAH's	N	2800	mg/kg	2.0			

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2690	EPH A/A Split	Aliphatics: >C10–C12, >C12–C16, >C16–C21, >C21– C35, >C35– C40 Aromatics: >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C40	Acetone/Heptane extraction / GCxGC FID detection
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2780	VPH A/A Split	Aliphatics: >C5–C6, >C6–C7,>C7–C8,>C8–C10 Aromatics: >C5–C7,>C7-C8,>C8–C10	Water extraction / Headspace GCxGC FID detection
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenz[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied

B - Sample age exceeds stability time (sampling to extraction)

C - Sample not received in appropriate containers

D - Broken Container

E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com