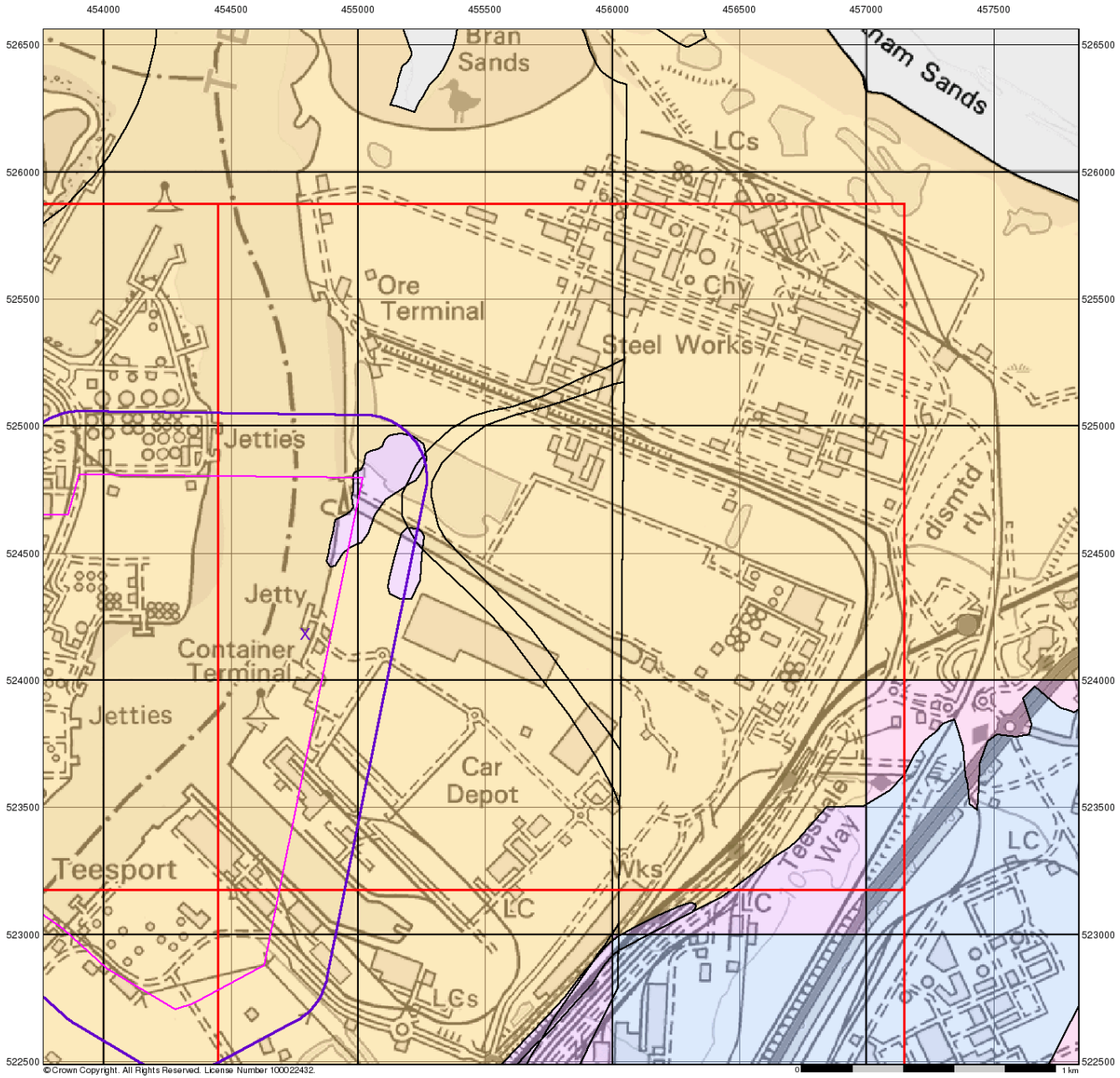


Groundwater Vulnerability

General

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

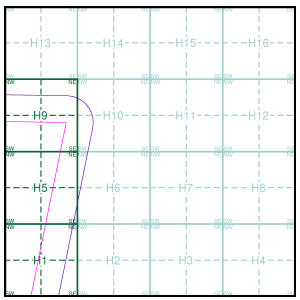
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice H



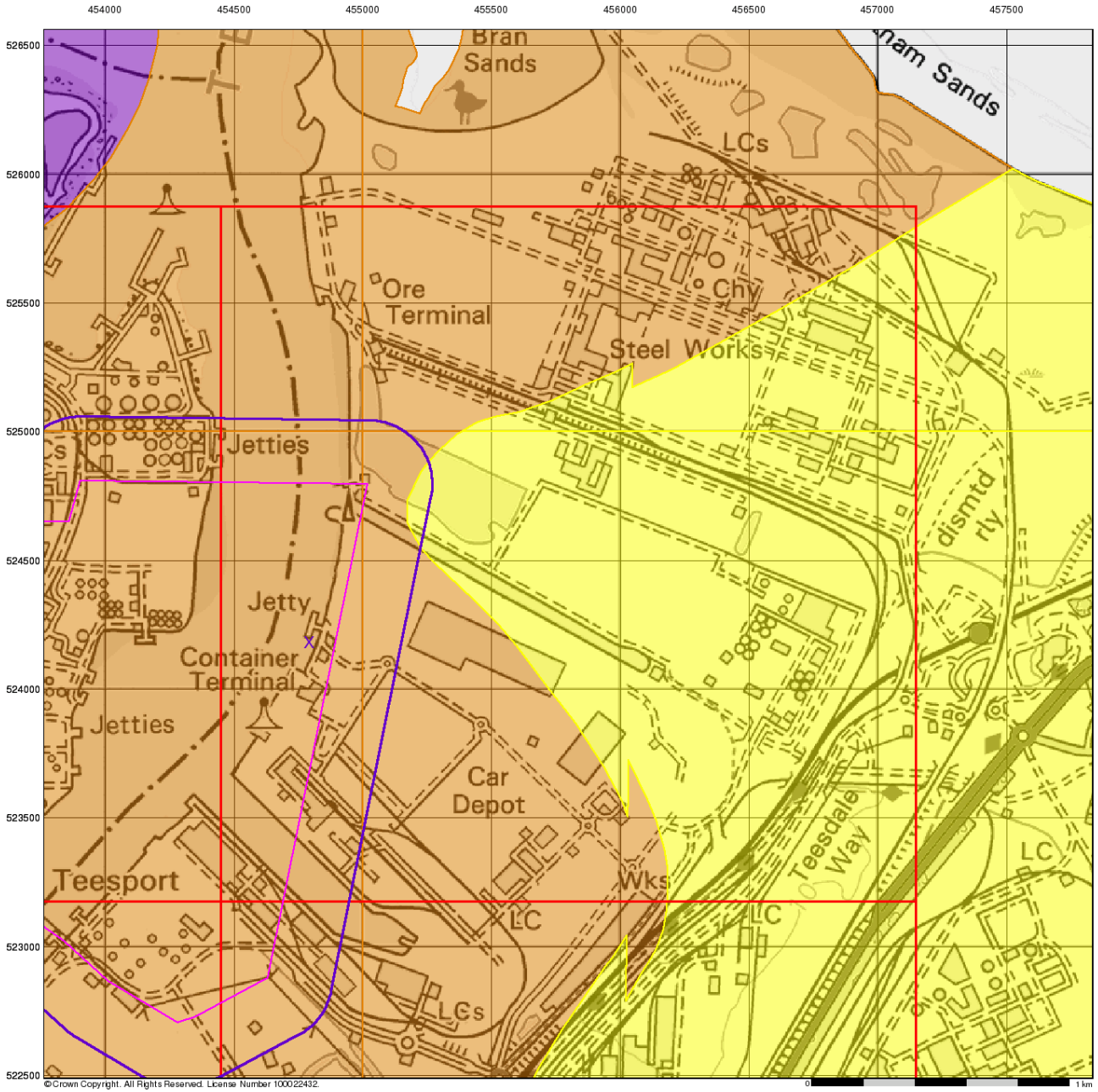
Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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



Bedrock Aquifer Designation

General

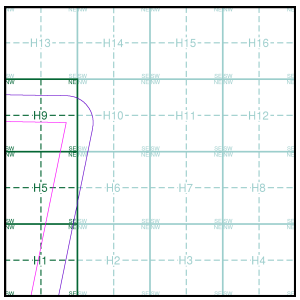
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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 H



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National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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Tel: 0844 844 9952
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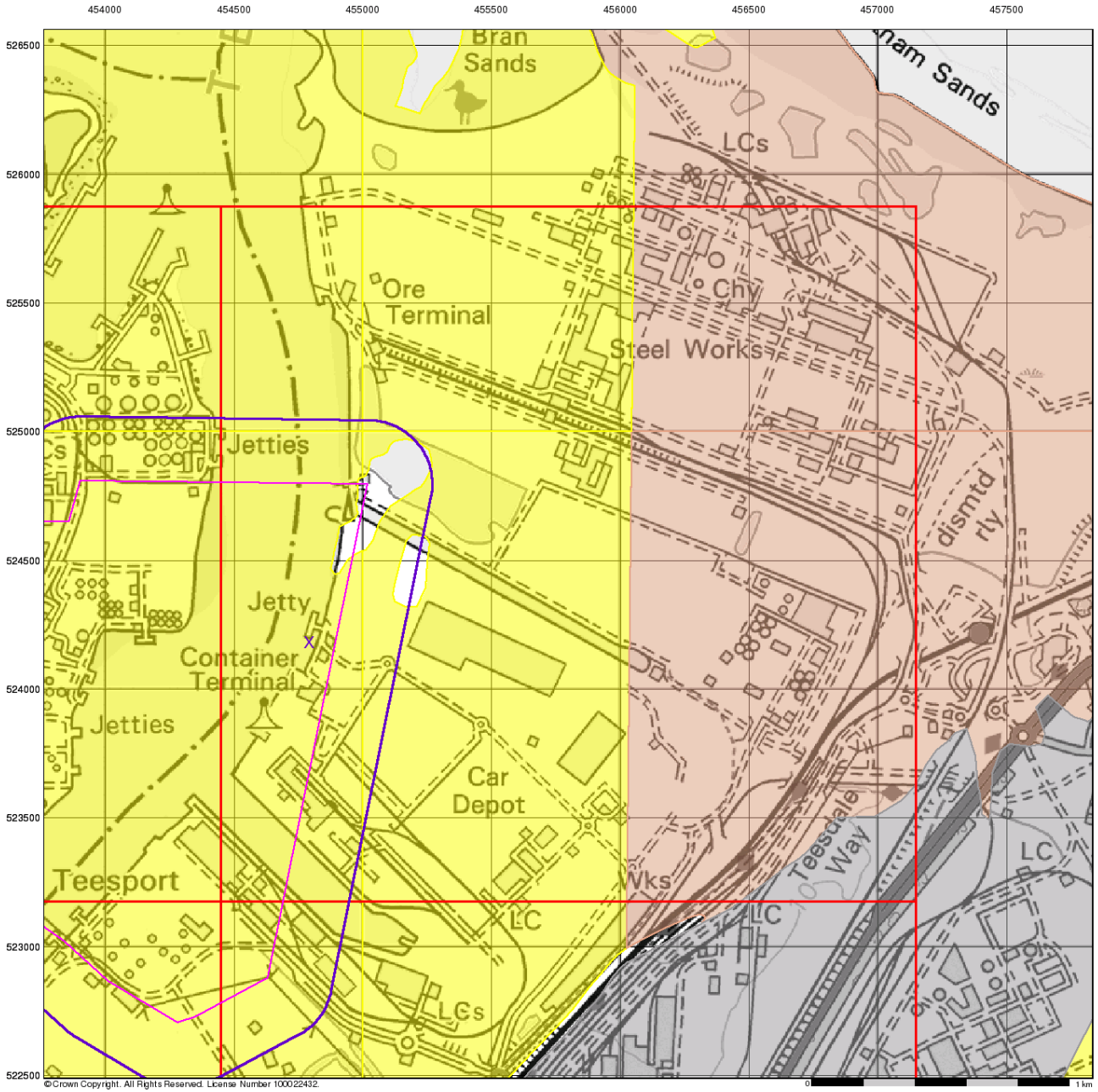


Superficial Aquifer Designation

General

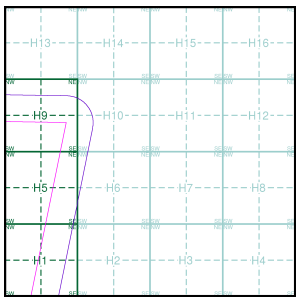
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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 H



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

Landmark INFORMATION GROUP
Tel: 0844 844 9952
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Web: www.envirocheck.co.uk

Source Protection Zones

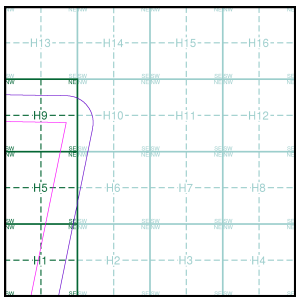
General

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 H



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Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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

AECOM

Sensitive Land Uses

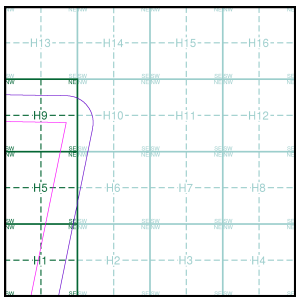
General

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

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice H



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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Tel: 0844 844 9952
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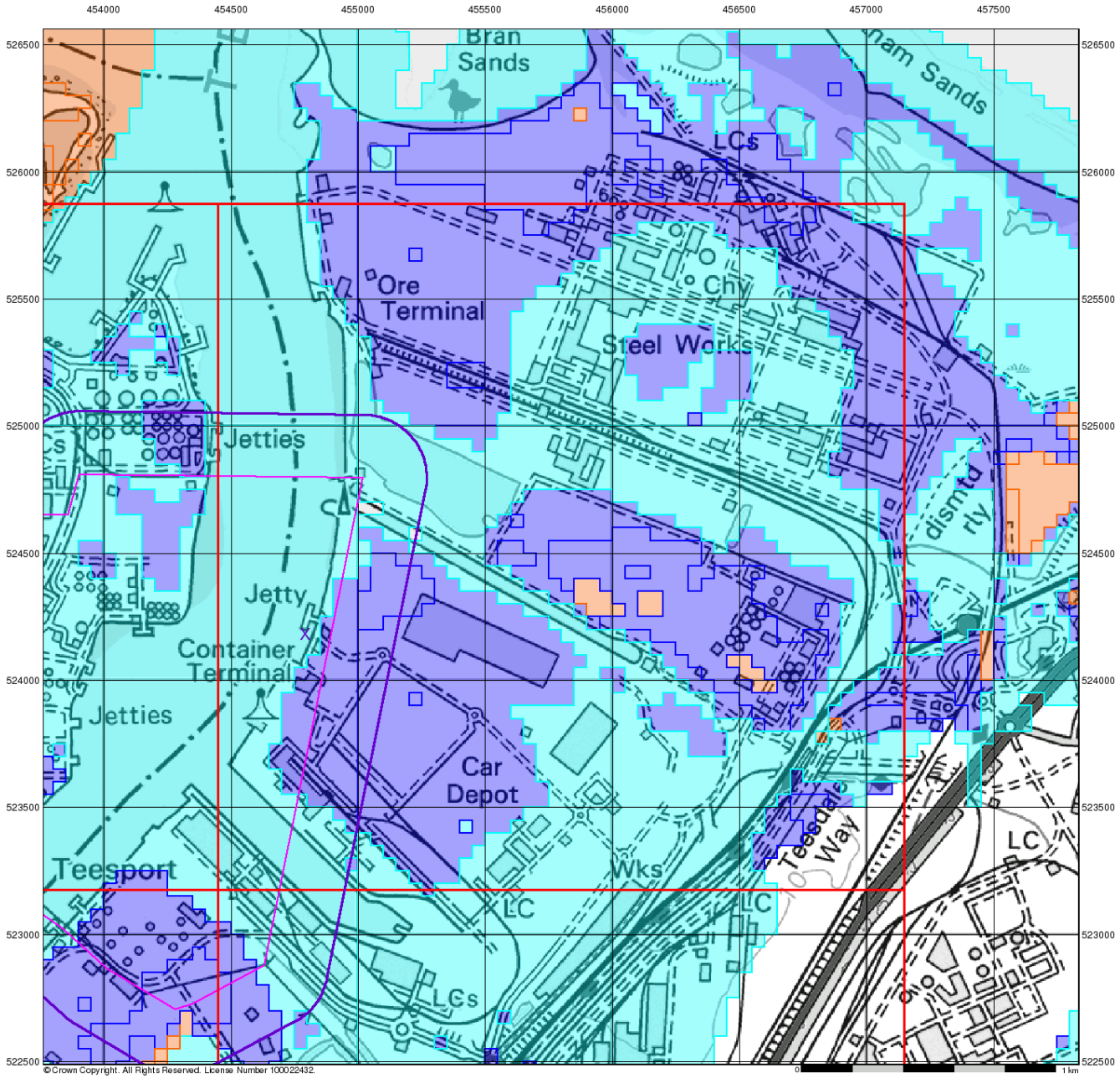


AECOM

BGS Flood GFS Data

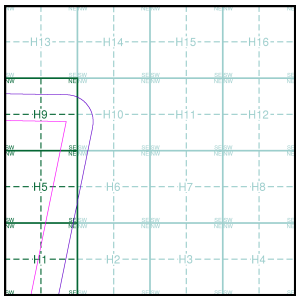
General

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 H



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

Landmark INFORMATION GROUP
Tel: 0844 844 9952
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Web: www.envirocheck.co.uk

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
218629364_1_1

Customer Reference:
60559231/Teesside Clean Gas

National Grid Reference:
454790, 524180

Slice:
H

Site Area (Ha):
1304.99

Search Buffer (m):
250

Site Details:
Teesside Clean Gas Project 1 of 2

Client Details:
Mr R Addison
AECOM Ltd
1st Floor, One Trinty Gardens
Broad Chare
Newcastle Upon Tyne
NE1 2HF

Contents

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Hazardous Substances	15
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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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Enforcement and Prohibition Notices			
Integrated Pollution Controls			
Integrated Pollution Prevention And Control			
Local Authority Integrated Pollution Prevention And Control			
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Local Authority Pollution Prevention and Control Enforcements			
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Pollution Incidents to Controlled Waters	pg 7		1
Prosecutions Relating to Authorised Processes			
Registered Radioactive Substances			
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River Quality Biology Sampling Points			
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Flooding from Rivers or Sea without Defences	pg 10	Yes	
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Flood Water Storage Areas			
Flood Defences			
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Summary

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Licensed Waste Management Facilities (Locations)			
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Potential for Compressible Ground Stability Hazards	pg 17	Yes	Yes
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Potential for Landslide Ground Stability Hazards	pg 18	Yes	Yes
Potential for Running Sand Ground Stability Hazards	pg 18	Yes	Yes
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Data Type	Page Number	On Site	0 to 250m (*up to 500m)
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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	454300 524350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	454400 524800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	454050 524400
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	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	H5SE (E)	0	1	454850 524185
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	454400 522950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	H5SE (NE)	0	1	454793 524185
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	H9SE (NE)	0	1	455000 524600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	454250 523250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	453850 523650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	12	1	454350 522700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	15	1	453800 525150
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	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	H9NE (N)	175	1	454793 525000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	194	1	454400 525000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	H9NE (N)	204	1	455000 525000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	208	1	454250 522500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	214	1	454793 522700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	221	1	454200 522500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	H1SE (S)	228	1	454950 523300
1	**Discharge Consents** Operator: Cleveland Potash Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Cleveland Potash Limited Tees Dock Terminal, Tees Dock, Grangetown, Middlesbrough, Ts6 6ud Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 25/04/1654 Permit Version: 1 Effective Date: 30th October 2001 Issued Date: 30th October 2001 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge Environment: Freshwater Stream/River Receiving Water: Tees Dock - Saline Estuary **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	H1SW (S)	0	2	454740 523470
1	**Discharge Consents** Operator: Cleveland Potash Limited Property Type: WATER TRANSPORT/SEA + INLAND Location: Cleveland Potash Tees Dock Terminal, Teesport Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1271 Permit Version: 1 Effective Date: 5th October 1993 Issued Date: 19th November 1993 Revocation Date: 30th October 2001 Discharge Type: Trade Effluent Discharge Environment: Saline Estuary Receiving Water: Tees Estuary **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	H1SW (S)	0	2	454700 523500
1	**Discharge Consents** Operator: Cleveland Potash Limited Property Type: WATER TRANSPORT/SEA + INLAND Location: Cleveland Potash Tees Dock Terminal, Teesport Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1271 Permit Version: 1 Effective Date: 5th October 1993 Issued Date: 19th November 1993 Revocation Date: 30th October 2001 Discharge Type: Sewage And Trade Combined - Unspecified Discharge Environment: Saline Estuary Receiving Water: Tees Estuary **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	H1SW (S)	0	2	454700 523500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Cleveland Potash Limited Property Type: Sea Transport Location: Cleveland Potash Tees Dock Terminal, Teesport Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 254/1271 Permit Version: 4 Effective Date: 5th October 1993 Issued Date: 19th November 1993 Revocation Date: 29th October 2001 Discharge Type: Trade Effluent Discharge Environment: Freshwater Estuary Receiving Water: Tees Estuary **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	H1SW (S)	0	2	454700 523500
1	**Discharge Consents** Operator: Cleveland Potash Limited Property Type: WATER TRANSPORT/SEA + INLAND Location: Cleveland Potash Tees Dock Terminal, Teesport Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1271 Permit Version: 1 Effective Date: 5th October 1993 Issued Date: 19th November 1993 Revocation Date: 30th October 2001 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Saline Estuary Receiving Water: Tees Estuary **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	H1SW (S)	0	2	454700 523500
1	**Discharge Consents** Operator: Cleveland Potash Limited Property Type: Sea Transport Location: Cleveland Potash Tees Dock Terminal, Teesport Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 254/1271 Permit Version: 2 Effective Date: 5th October 1993 Issued Date: 19th November 1993 Revocation Date: Not Supplied Discharge Type: Miscellaneous Discharges - Mine / Groundwater As Raised Discharge Environment: Freshwater Estuary Receiving Water: Tees Estuary **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	H1SW (S)	0	2	454700 523500
1	**Discharge Consents** Operator: Cleveland Potash Limited Property Type: Sea Transport Location: Cleveland Potash Tees Dock Terminal, Teesport Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 254/1271 Permit Version: 3 Effective Date: 5th October 1993 Issued Date: 19th November 1993 Revocation Date: Not Supplied Discharge Type: Miscellaneous Discharges - Mine / Groundwater As Raised Discharge Environment: Freshwater Estuary Receiving Water: Tees Estuary **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	H1SW (S)	0	2	454700 523500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Phillips Petroleum Co Uk Ltd Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Fine Organics Ltd, Middlesbrough Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/0231 Permit Version: 1 Effective Date: 13th December 1985 Issued Date: 13th December 1985 Revocation Date: 6th August 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tees **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	H5NW (NW)	0	2	454450 524500
3	**Discharge Consents** Operator: Bell Lines Ltd Property Type: WATER TRANSPORT/SEA + INLAND Location: Container Berth At Tees Dock, Grangetown Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/B/0140 Permit Version: 1 Effective Date: 6th November 1970 Issued Date: 6th November 1970 Revocation Date: 1st July 1991 Discharge Type: Trade Discharges - Abandoned Discharge Environment: Freshwater Stream/River Receiving Water: Tees **Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6)** Positional Accuracy: Located by supplier to within 100m	H5SW (SW)	0	2	454600 524000
4	**Discharge Consents** Operator: The Estate Manager I C I Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Tees Dock Potash Terminal, Middlesbrough Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/B/0153a Permit Version: 1 Effective Date: 23rd March 1972 Issued Date: 23rd March 1972 Revocation Date: 12th August 1993 Discharge Type: Sewage Discharges - Unspecified - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tidal Waters Of Tees **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	H1SW (S)	3	2	454700 523200
4	**Discharge Consents** Operator: Tees & Hartlepool Port Authority Property Type: Sewage Disposal Works - Other Location: Tees Dock Potash Terminal, Middlesbrough Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 254/B/0153 Permit Version: 3 Effective Date: 8th October 1993 Issued Date: 23rd March 1972 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge Environment: Freshwater Stream/River Receiving Water: Tees **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	H1SW (S)	3	2	454700 523200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: The Estate Manager I C I Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Tees Dock Potash Terminal, Middlesbrough Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/B/0153a Permit Version: 1 Effective Date: 23rd March 1972 Issued Date: 23rd March 1972 Revocation Date: 12th August 1993 Discharge Type: Trade Discharge - Process Water Discharge Environment: Freshwater Stream/River Receiving Water: Tidal Waters Of Tees **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	H1SW (S)	3	2	454700 523200
4	**Discharge Consents** Operator: Tees & Hartlepool Port Authority Property Type: Sewage Disposal Works - Other Location: Tees Dock Potash Terminal, Middlesbrough Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 254/B/0153 Permit Version: 2 Effective Date: 6th October 1993 Issued Date: 23rd July 1971 Revocation Date: 7th October 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tees **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 10m	H1SW (S)	3	2	454700 523200
5	**Discharge Consents** Operator: Fairclough Civil Engineering Ltd Property Type: GROUNDWATER REMEDIATION SITES/CIVIL ENGINEERING Location: Amoco-Cats Project, Tees Tunnel, Ic, Middlesbrough Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1106 Permit Version: 1 Effective Date: 18th October 1991 Issued Date: 18th October 1991 Revocation Date: 30th September 1992 Discharge Type: Miscellaneous Discharges - Mine / Groundwater As Raised Discharge Environment: Saline Estuary Receiving Water: Tees (Saline) **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	H9SE (N)	54	2	454950 524850
6	**Discharge Consents** Operator: D.T.B.A. Limited Property Type: Basic Industry, Chemicals Inorganic Location: Seal Sands, MIDDLESBROUGH, Cleveland Authority: Environment Agency, North East Region Catchment Area: Tees (Lower) Reference: AL1482 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 23rd March 1994 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Treated Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Tees **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	H9NW (N)	93	2	454505 524895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: Dtba Limited Property Type: MAKING OF BASIC PHARMACEUTICAL PRODUCTS + PREPS Location: Dtba Ltd - Seal Sands Site, Seal Sands, Middlesbrough, Cleveland Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1156 Permit Version: 1 Effective Date: 2nd December 1992 Issued Date: 2nd December 1992 Revocation Date: 23rd June 1994 Discharge Type: Trade Discharge - Process Water Discharge Environment: Saline Estuary Receiving Water: Tees Estuary **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	H9NW (N)	98	2	454500 524900
6	**Discharge Consents** Operator: Phillips Petroleum Co Uk Ltd Property Type: MAKING OF BASIC PHARMACEUTICAL PRODUCTS + PREPS Location: Dtba Ltd - Seal Sands Site, Seal Sands, Middlesbrough, Cleveland Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/0459 Permit Version: 1 Effective Date: 30th March 1988 Issued Date: 30th March 1988 Revocation Date: 25th May 1994 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Tees **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	H9NW (N)	98	2	454500 524900
7	**Discharge Consents** Operator: Tees & Hartlepool Port Authority Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: The Amenity Block The Riverside Roro Terminal, Boulby Road, Teesport, Middlesbrough Authority: Environment Agency, North East Region Catchment Area: Tees (Middle) Reference: Qc.25/04/1579 Permit Version: 2 Effective Date: 26th July 2012 Issued Date: 26th July 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land In The Tees Catchment **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	H5NE (NE)	146	2	455070 524310
7	**Discharge Consents** Operator: Tees & Hartlepool Port Authority Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: The Amenity Block The Riverside Roro Terminal, Boulby Road, Teesport, Middlesbrough Authority: Environment Agency, North East Region Catchment Area: Tees (Middle) Reference: QC.25/04/1579 Permit Version: 1 Effective Date: 28th April 1999 Issued Date: 28th April 1999 Revocation Date: 25th July 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land In The Tees Catchment **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	H5NE (NE)	146	2	455070 524310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Discharge Consents** Operator: Enron Teeside Operations Limited Property Type: MAKING OF CHEMICALS + CHEMICAL PRODUCTS Location: Imperial Chemical Industries Ltd, Wilton Works, Middlesbrough Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/A/0460 Permit Version: 1 Effective Date: 18th November 1976 Issued Date: 18th November 1976 Revocation Date: 5th October 1990 Discharge Type: Unspecified Discharge Environment: Ditch Receiving Water: Mains Dike **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	H6NW (NE)	236	2	455200 524500
9	**Local Authority Pollution Prevention and Controls** Name: Cat Uk Services Ltd Location: Vehicle Compound, Teesport, MIDDLESBOROUGH, Cleveland, TS6 6UD Authority: Redcar and Cleveland Borough Council, Environmental Health Department Permit Reference: Cat-402 Dated: 1st December 1998 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Manually positioned within the geographical locality	H1SW (S)	0	3	454569 523236
	Nearest Surface Water Feature	(W)	0	-	454422 524326
10	**Pollution Incidents to Controlled Waters** Property Type: Chemical industry Location: Tees Estuary, SEALAND Authority: Environment Agency, North East Region Pollutant: Other Chemicals Note: Pollution Found; No Fish Killed Incident Date: 30th October 1996 Incident Reference: DD960329 Catchment Area: Tees Downstream Skerne To North Sea Receiving Water: Saline Estuary Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	H9NW (N)	199	2	454501 525001
11	**Water Abstractions** Operator: Cleveland Potash Ltd Licence Number: Ne/025/0001/011 Permit Version: 1 Location: River Tees - Tidal - Tees Dock Potash Terminal Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tees Dock Potash Terminal, Grangetown Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 15th September 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	H1NW (S)	0	2	454660 523558
12	**Water Abstractions** Operator: Tees Bulk Handling Ltd Licence Number: 1/25/04/123 Permit Version: 100 Location: River Tees - Tidal Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tees Dock Potash Terminal Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st July 1974 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	H1SW (S)	0	2	454600 523500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Water Abstractions** Operator: Tees Bulk Handling Limited Licence Number: 1/25/04/123 Permit Version: Not Supplied Location: River Tees Pump Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 773 Yearly Rate (m3): 77270 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	H1SW (S)	0	2	454600 523500
12	**Water Abstractions** Operator: Tees Bulk Handling Licence Number: 01/25/4/123 Permit Version: Not Supplied Location: Tees Dock Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 773 Yearly Rate (m3): 77282 Details: Licence Status:Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	H1SW (S)	0	2	454600 523495
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: No Data	(W)	0	4	454000 524185
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: No Data	H5SE (NE)	0	4	454793 524185

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(SW)	0	4	454000 523000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(S)	0	4	454793 523000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: No Data	(W)	0	4	454000 524000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: No Data	H5SE (S)	0	4	454793 524000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: No Data	H5NE (N)	0	4	454887 524449
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: No Data Baseflow Index: No Data Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	H9SE (NE)	0	4	455000 524536
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	H5SE (NE)	0	4	454793 524185
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	H5SE (E)	0	4	455000 524185
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	H5SE (NE)	0	4	454793 524185
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	H5SE (NE)	0	2	454793 524185
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	H5SE (NE)	0	2	454793 524185
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
13	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 1705.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tees Catchment Name: Tees Primacy: 1	H9SW (N)	0	5	454743 524757

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 1581.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tees Catchment Name: Tees Primacy: 1	H5NW (W)	0	5	454619 524246
15	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 199.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dabholm Cut Catchment Name: Tees Primacy: 1	H9SE (N)	0	5	454902 524734
16	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 1892.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dabholm Cut Catchment Name: Tees Primacy: 1	H9SE (NE)	0	5	455028 524671

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Historical Landfill Sites** Licence Holder: Tees and Hartlepool Port Authority Location: Redcar, Cleveland Name: Bells Containers Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD05590 First Input Date: 29th July 1977 Last Input Date: 30th October 1989 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0700/0054 BGS Ref: Not Supplied Other Ref: 0700/CLE/028/2	H5SW (S)	0	2	454706 523946
18	**Historical Landfill Sites** Licence Holder: Tees and Hartlepool Port Authority Location: Redcar, Cleveland Name: Bells Containers Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD05589 First Input Date: 29th July 1977 Last Input Date: 30th September 1989 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0700/0054 BGS Ref: Not Supplied Other Ref: 0700/CLE/028/2	H5SE (S)	0	2	454793 524096
19	**Historical Landfill Sites** Licence Holder: Shell (UK) Limited Location: Sludge Farm Teesport Refinery, Redcar, Cleveland Name: Bells Containers Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD05579 First Input Date: Not Supplied Last Input Date: 1st September 1987 Specified Waste Type: Deposited Waste included Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 0700/CLE/102	H5SE (E)	206	2	455105 524180
20	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Bran Sands Landfill Licence Number: 60092 Location: Land/ Premises At, Bran Sands, Redcar, Cleveland, TS6 6UE Licence Holder: York Potash Processing & Ports Limited Authority: Environment Agency - North East Region, North East Area Site Category: Other Landfill Sites Taking Special Waste Max Input Rate: Not Supplied **Licence Status: Modified** Issued: 24th May 1977 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	H9SE (NE)	0	2	455084 524705
	Local Authority Landfill Coverage Name: Stockton On Tees Unitary Council - Has supplied landfill data		0	6	454535 524302
	Local Authority Landfill Coverage Name: Redcar and Cleveland Unitary Council - Has no landfill data to supply		0	7	454813 524172
21	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	(W)	0	-	454343 524303
22	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	H5SE (S)	0	-	454801 524130
23	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	(SW)	0	-	454343 523589

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	H5SE (E)	0	-	454817 524178
25	**Registered Landfill Sites** Licence Holder: I.C.I. Chemicals & Polymers Ltd Licence Reference: CLE 24/9 Site Location: Bran Sands Waste Disposal Site, Wilton Works, Middlesbrough, Cleveland Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: PO.Box 90, Wilton, MIDDLESBROUGH, Cleveland, TS6 8JE Authority: Environment Agency - North East Region, Dales Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: Waste produced/controlled by licence holder Status: Operational as far as is knownOperational Dated: 1st July 1988 Preceded By Licence: CLE 24/2 Superseded By Licence: Not Given Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Alkalis All Inorganic Compounds Asbestos Canteen Waste Commercial Waste Construction Ind. Wastes Contaminated Materials $ Fuels, Oils, Greases Ind. Non-Haz. Inert, Non-Flammable Ind. Non-Haz. Potentially Combustible Interceptor Waste, Tar, Paint Etc $ Maximum Waste Specified In Lic. Metal Oxides Metals As Trace Contam.Of Group J Miscellaneous Chemical Waste Miscellaneous Wastes Non-Toxic Metal Compounds Organic Acids + Related Cmpds Organic Compounds Other Inorganic Materials Polymeric Materials And Precursors Toxic Metal Compounds Prohibited Waste: Arsenates & Arsenites Fellmongers Waste Ferro And Ferri Cyanides Fluorides Etc $ Hypochlorites And Chlorites Inorganic Peroxides Liable To Cause Environmental Hazards Organic Peroxides Other Halogenated Organics Pcb'S And Analogues Sodium/Potassium Cyanides Soluble Complex Cyanides Sulphides, Selen'S, Tell'S, Arsen'S $ Tannery Waste Tetra Ethyl Lead Tetra Methyl Lead Waste N.O.S. Waste React.W/Water -Airborne Hazard Wastes Likely To Cause Odour Emission	H9SE (NE)	0	2	455076 524687

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**Registered Landfill Sites** Licence Holder: Tees & Hartlepool Port Authority Licence Reference: CLE 28/2 Site Location: Bell Lane Container Terminal, Teesport, Middlesbrough, Cleveland Licence Easting: 454700 Licence Northing: 523900 Operator Location: Erimus House, Queens Square, Middlesbrough, Cleveland, Ts2 1aa Authority: Environment Agency - North East Region, Dales Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence known to be surrenderedSurrendered Dated: 20th October 1978 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Road Sweepings/Litter Slag, Boiler/Flue Cleanings	H5SW (S)	0	2	454700 523900
27	**Registered Waste Transfer Sites** Licence Holder: Bell Lines Ltd Licence Reference: CLE 186 Site Location: Bell Terminal, Grangetown, MIDDLESBROUGH, Cleveland, TS6 7RY Operator Location: As Site Address Authority: Environment Agency - North East Region, Dales Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: Waste produced/controlled by licence holder Licence Status: Licence known to be surrenderedSurrendered Dated: 19th July 1993 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Alkalis All Inorganic Compounds Contaminated Materials Fine Chemicals And Biocides Fuels, Oils, Greases Inorganic Acids Interceptor Waste, Tar, Paint Etc Max.Stor. 20 Shipment Containers Metal Oxides Non-Toxic Metal Compounds Other Inorganic Materials Polymeric Materials And Precursors Toxic Metal Compounds Prohibited Waste: Asbestos Ferrous Metal Scrap Halogenated Cmpds(Not Cleaning Cmpds) Non-Ferrous Metal Scrap Other Alkalis Other Halogenated Organics Other Inorganic Acids Other Toxic Metal Compounds Pcb'S And Analogues Scrap Metal Silt And Dredgings Waste N.O.S.	H5SE (S)	0	2	454800 524000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Control of Major Accident Hazards Sites (COMAH)** Name: Seal Sands Gas Transportation Limited (Ssgtl) Location: Teeside Gas Port, Jetty 10, Dabholme Road, Teesport,Middlesbrough, Cleveland, 6UD Reference: Not Supplied Type: Upper Tier **Status:** **Active** Positional Accuracy: Manually positioned to the address or location	H5NE (N)	0	8	454800 524250
29	**Explosive Sites** Name: Tees & Hartlepool Port Authority Location: Harbour Master's Office, Teesport Container Terminal, Grangetown, MIDDLESBOROUGH, Cleveland **Status:** **Not Active** Positional Accuracy: Manually positioned to the address or location	H5SW (S)	0	8	454775 523971
30	**Explosive Sites** Name: Tees Dock/Tees & Hartlepool Port Authority Ltd Location: Tees Dock, Grangetown, Middlesbrough, Cleve, Ts6 6ud **Status:** **Active** Positional Accuracy: Manually positioned within the geographical locality	H1SE (S)	69	8	454806 523390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	H5NW (NW)	0	1	454588 524309
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	H5SE (NE)	0	1	454793 524185
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	H5SW (SW)	0	1	454500 524000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	H10SW (NE)	165	1	455229 524543
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	H9NW (N)	174	1	454500 525000
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Inconclusive Evaporites Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	H5SW (W)	0	-	454500 524185
	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	H5NE (N)	0	1	454887 524449
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9SE (NE)	0	1	455000 524536

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H5SE (NE)	0	1	454793 524185
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	15	1	454793 525000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H5SE (E)	27	1	455000 524185
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H6NW (NE)	181	1	455125 524341
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	204	1	455000 525000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H5SE (E)	0	1	455000 524185
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9SE (N)	0	1	455000 524730
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H5SE (E)	0	1	454815 524176
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	454353 523603
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H9SE (N)	0	1	455000 524686
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H9SE (NE)	0	1	455060 524652
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	454436 524333
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	H5SE (NE)	0	1	454793 524185
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NW (N)	15	1	454470 525000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	H9SE (NE)	75	1	455066 524649
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NW (N)	178	1	454465 524980
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	198	1	454793 525000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H10SW (NE)	200	1	455181 524586
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	203	1	454923 525000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	204	1	455000 525000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H5SE (NE)	0	1	454793 524185

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H5SE (E)	0	1	455000 524185
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	15	1	454793 525000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	204	1	455000 525000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H5SE (NE)	0	1	454793 524185
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H5SE (E)	0	1	455000 524185
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	15	1	454793 525000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	204	1	455000 525000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H9SE (N)	0	1	455000 524686
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H9SE (NE)	0	1	455060 524652
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	454436 524333
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H5SE (E)	0	1	455000 524185
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9SE (N)	0	1	455000 524730
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H5SE (E)	0	1	454815 524176
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	454353 523603
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	H5SE (NE)	0	1	454793 524185
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NW (N)	15	1	454470 525000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	H9SE (NE)	75	1	455066 524649
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NW (N)	178	1	454465 524980
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	198	1	454793 525000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H10SW (NE)	200	1	455181 524586
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	203	1	454923 525000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	204	1	455000 525000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9SE (NE)	0	1	455000 524673
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H5SE (NE)	0	1	454793 524185
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H9SE (N)	0	1	454976 524716
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H5NE (NE)	0	1	454964 524519
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H9SE (NE)	0	1	455000 524536
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	15	1	454793 525000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H5SE (E)	27	1	455000 524185
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	H10SW (NE)	178	1	455198 524600
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H6NW (NE)	181	1	455125 524341
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H9NE (N)	204	1	455000 525000
	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	H5SE (NE)	0	1	454793 524185
	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	H5SE (E)	0	1	455000 524185
	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	H5SE (NE)	0	1	454793 524185
	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	H5SE (E)	0	1	455000 524185

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**Contemporary Trade Directory Entries** Name: I C L Uk Location: Potash Terminal, Tees Dock, Middlesbrough, Cleveland, TS6 6UD Classification: Ports, Docks & Harbours **Status: Active** Positional Accuracy: Automatically positioned to the address	H1NE (S)	17	-	454793 523588
32	**Contemporary Trade Directory Entries** Name: C E L Group Location: Tees Dock, Middlesbrough, Cleveland, TS6 6UD Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	H1NE (S)	80	-	454858 523594
33	**Points of Interest - Commercial Services** Name: P D Ports Tees Port Location: Lackenby House, Tees Dock, Middlesbrough, TS6 6UD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	H1SW (S)	0	9	454575 523205
34	**Points of Interest - Manufacturing and Production** Name: I C L UK Location: Tees Dock, Middlesbrough, TS6 6UD Category: Extractive Industries Class Code: Ore Mining Positional Accuracy: Positioned to address or location	H1SE (S)	71	9	454824 523472
35	**Points of Interest - Public Infrastructure** Name: Outfall Location: TS6 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	H5SE (S)	0	9	454794 524114

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**Sites of Special Scientific Interest** Name: Teesmouth And Cleveland Coast Multiple Areas: Y Total Area (m2): 29770346.879999984 Source: Natural England Reference: 1000263 Designation Details: Geological Conservation Review Designation Date: 1st November 1984 Date Type: Notified Designation Details: Ramsar Site Designation Date: 1st November 1984 Date Type: Notified Designation Details: Special Protection Area Designation Date: 1st November 1984 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 1st November 1984 Date Type: Notified	(S)	0	10	454577 523021

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Stockton-on-Tees Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Redcar and Cleveland Borough Council - Development Department	September 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - North East Region	July 2019	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North East Region	March 2013	Annual Rolling Update
Integrated Pollution Controls		
Environment Agency - North East Region	October 2008	Variable
Integrated Pollution Prevention And Control		
Environment Agency - North East Region	July 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Redcar and Cleveland Borough Council - Environmental Health Department	December 2014	Variable
Stockton-on-Tees Borough Council - Environmental Health Department	June 2014	Variable
Local Authority Pollution Prevention and Controls		
Redcar and Cleveland Borough Council - Environmental Health Department	December 2014	Annual Rolling Update
Stockton-on-Tees Borough Council - Environmental Health Department	June 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Redcar and Cleveland Borough Council - Environmental Health Department	December 2014	Variable
Stockton-on-Tees Borough Council - Environmental Health Department	June 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	January 2019	
Pollution Incidents to Controlled Waters		
Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North East Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters		
Environment Agency - North East Region	March 2013	Annual Rolling Update
Registered Radioactive Substances		
Environment Agency - North East Region	June 2016	
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - North East Region - Dales Area	July 2019	Quarterly
Environment Agency - North East Region - North East Area	July 2019	Quarterly
Water Abstractions		
Environment Agency - North East Region	July 2019	Quarterly
Water Industry Act Referrals		
Environment Agency - North East Region	October 2017	Quarterly
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	Annually
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	July 2019	Quarterly

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2019	Quarterly
Flood Defences Environment Agency - Head Office	August 2019	Quarterly
OS Water Network Lines Ordnance Survey	April 2019	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	July 2019	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North East Region - Dales Area	July 2018	Quarterly
Environment Agency - North East Region - North East Area	July 2018	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North East Region - Dales Area	July 2019	Quarterly
Environment Agency - North East Region - North East Area	July 2019	Quarterly
Local Authority Landfill Coverage		
Redcar and Cleveland Borough Council	May 2000	Not Applicable
Stockton-on-Tees Borough Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Redcar and Cleveland Borough Council	May 2000	Not Applicable
Stockton-on-Tees Borough Council - Environmental Health Department	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - North East Region - Dales Area	March 2003	Not Applicable
Environment Agency - North East Region - North East Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North East Region - Dales Area	March 2003	Not Applicable
Environment Agency - North East Region - North East Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North East Region - Dales Area	March 2003	Not Applicable
Environment Agency - North East Region - North East Area	March 2003	Not Applicable
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Redcar and Cleveland Borough Council - Planning Department	April 2016	Variable
Stockton-on-Tees Borough Council	October 2015	Variable
Planning Hazardous Substance Consents		
Redcar and Cleveland Borough Council - Planning Department	April 2016	Variable
Stockton-on-Tees Borough Council	October 2015	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	July 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	September 2019	Quarterly
Points of Interest - Education and Health PointX	September 2019	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2019	Quarterly
Points of Interest - Public Infrastructure PointX	September 2019	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2019	Quarterly
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	Bi-Annually

Data Suppliers

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	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Useful Contacts

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	**Redcar and Cleveland Borough Council - Environmental Health Department** Belmont House, Rectory Lane, Guisborough, Cleveland, TS14 7FD	Telephone: 01642 444000 Fax: 01642 444667 Website: www.redcar-cleveland.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**Stockton-on-Tees Borough Council - Environmental Health Department** Municipal Buildings, 16 Church Road, Stockton-on-tees, Cleveland, TS18 1XD	Telephone: 01642 393939 Fax: 01642 391156 Website: www.stockton-bc.gov.uk
7	**Redcar and Cleveland Borough Council** Town Hall, Fabian Road, South Bank, Middlesbrough, Cleveland, TS6 9AR	Telephone: 01642 444000 Website: www.redcar-cleveland.gov.uk
8	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
9	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	**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.

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	TFD	Tidal Flat Deposits	Sand, Silt and Clay	Not Supplied - Holocene
	TFD	Tidal Flat Deposits	Sand and Silt	Not Supplied - Holocene
	GLLDD	Glaciolacustrine Deposits, Devensian	Clay and Silt	Not Supplied - Devensian
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	BSA	Blown Sand	Sand	Not Supplied - Quaternary
	BTFU	Beach and Tidal Flat Deposits (Undifferentiated)	Sand	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	RMU	Redcar Mudstone Formation	Mudstone	Not Supplied - Hettangian
	PNG	Penarth Group	Mudstone	Not Supplied - Rhaetian
	MMG	Mercia Mudstone Group	Mudstone	Not Supplied - Early Triassic
	SSG	Sherwood Sandstone Group	Sandstone	Not Supplied - GUADALUPIAN

AECOM

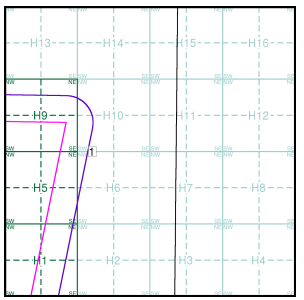
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	**1**
Map Sheet No:	**033**
Map Name:	**Stockton**
Map Date:	**1987**
Bedrock Geology:	**Available**
Superficial Geology:	**Available**
Artificial Geology:	**Available**
Faults:	**Not Supplied**
Landslip:	**Available**
Rock Segments:	**Not Supplied**

Geology 1:50,000 Maps - Slice H

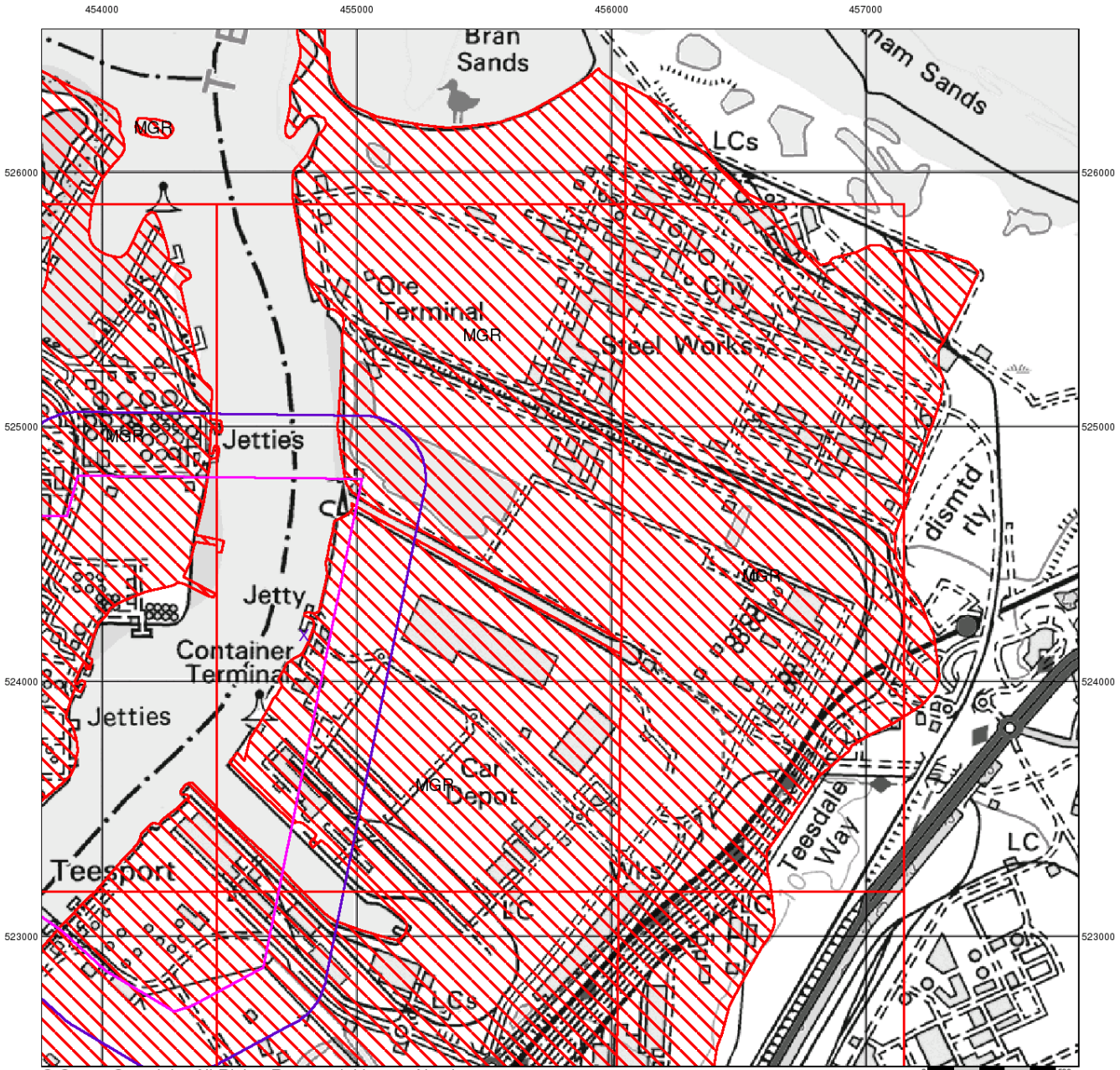


Order Details:

Order Number:	218629364_1_1
Customer Reference:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details:

Teesside Clean Gas Project 1 of 2



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AECOM

Artificial Ground and Landslip

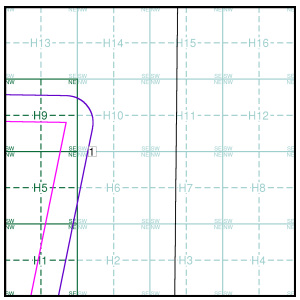
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice H



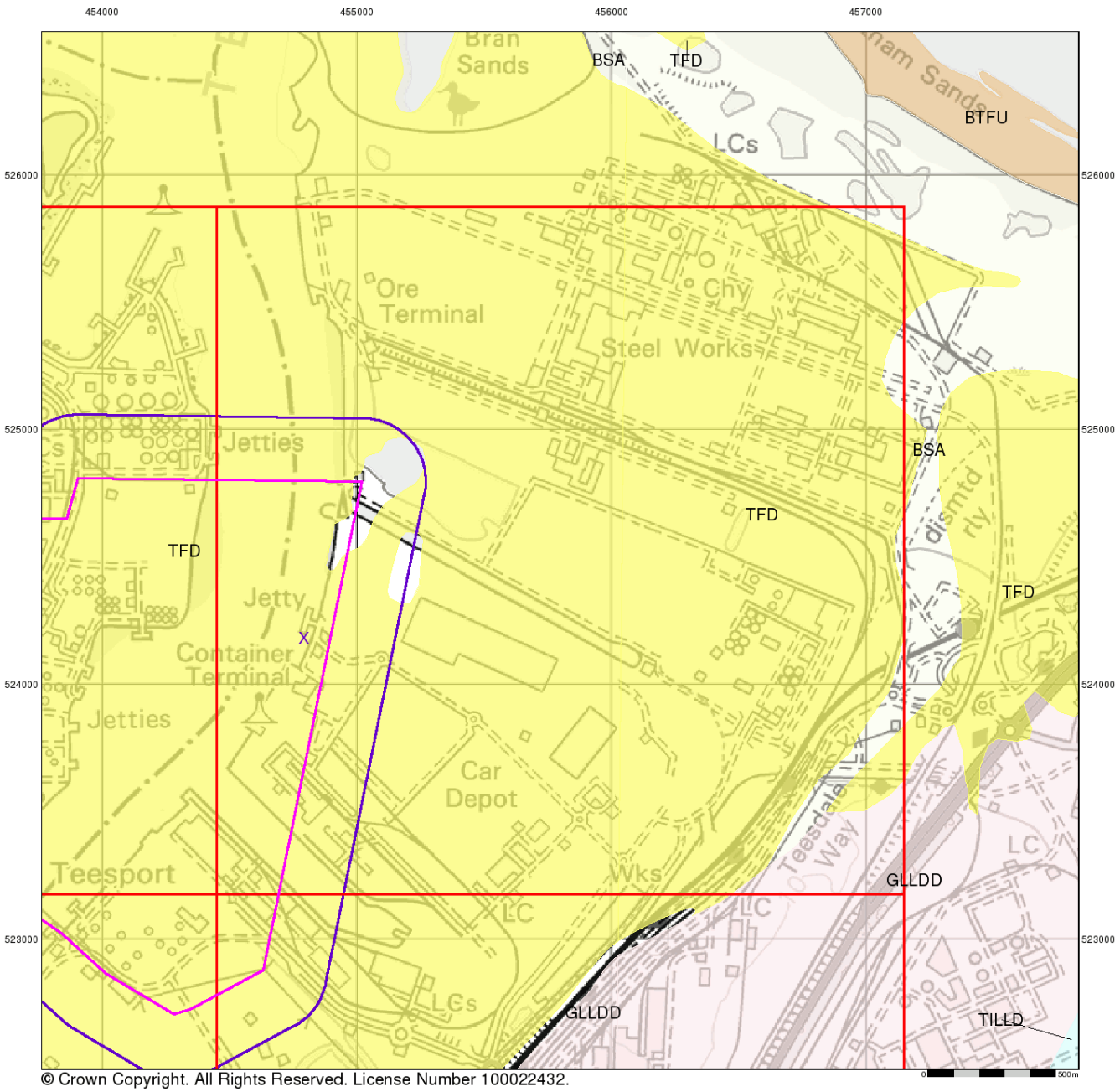
Order Details:

Order Number:	218629364_1_1
Customer Reference:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details:

Teesside Clean Gas Project 1 of 2

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



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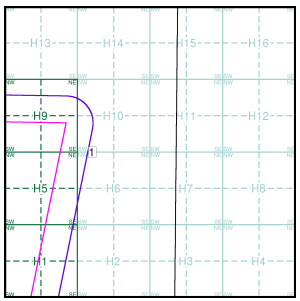
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice H



Order Details:

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Customer Reference:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details:

Teesside Clean Gas Project 1 of 2

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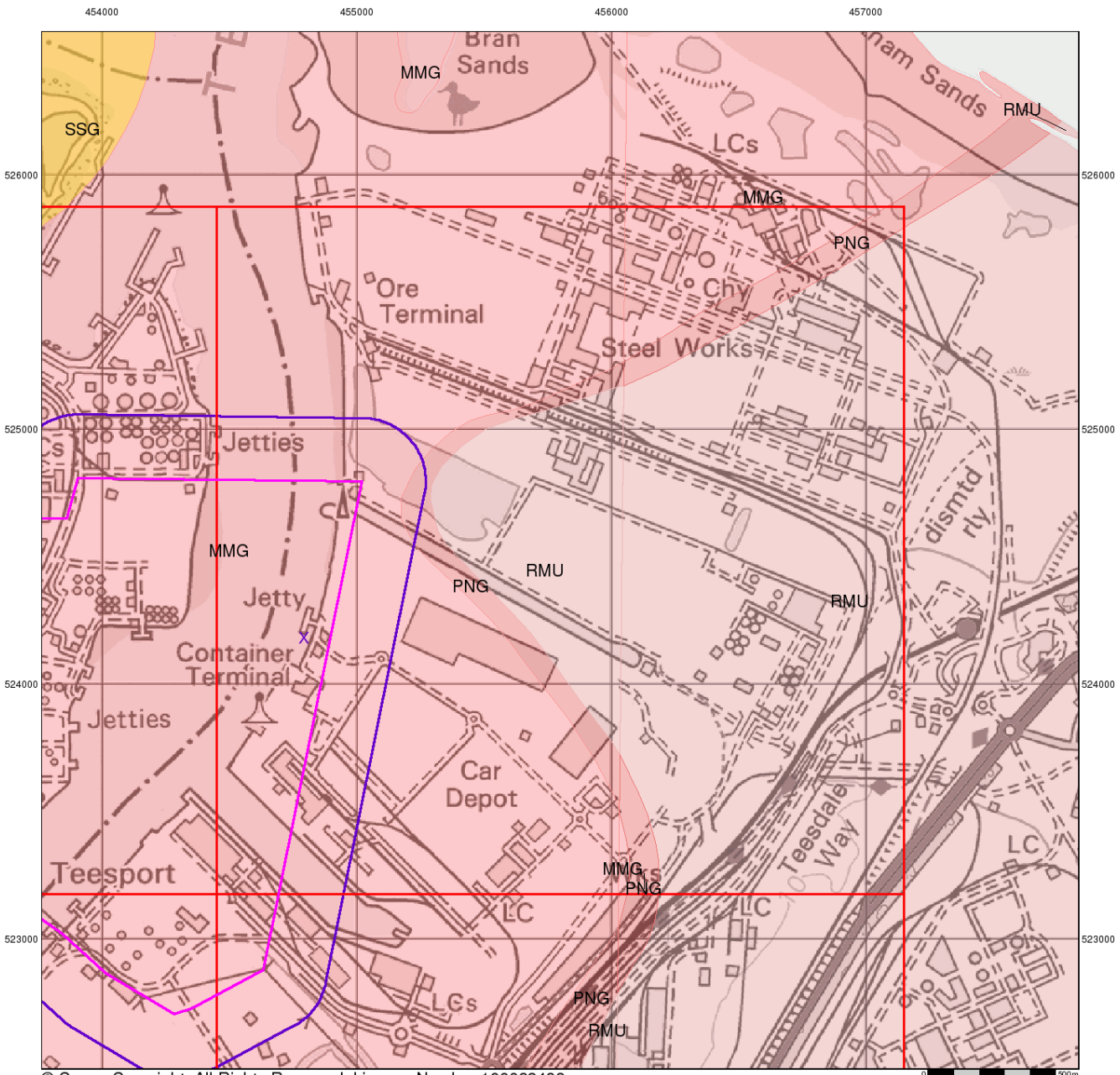
Web: www.envirocheck.co.uk



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Bedrock and Faults

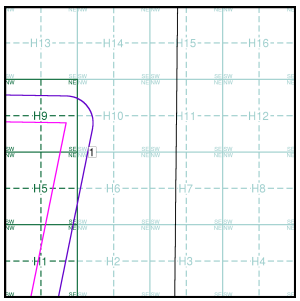
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice H



Order Details:

Order Number:	218629364_1_1
Customer Reference:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details:

Teesside Clean Gas Project 1 of 2

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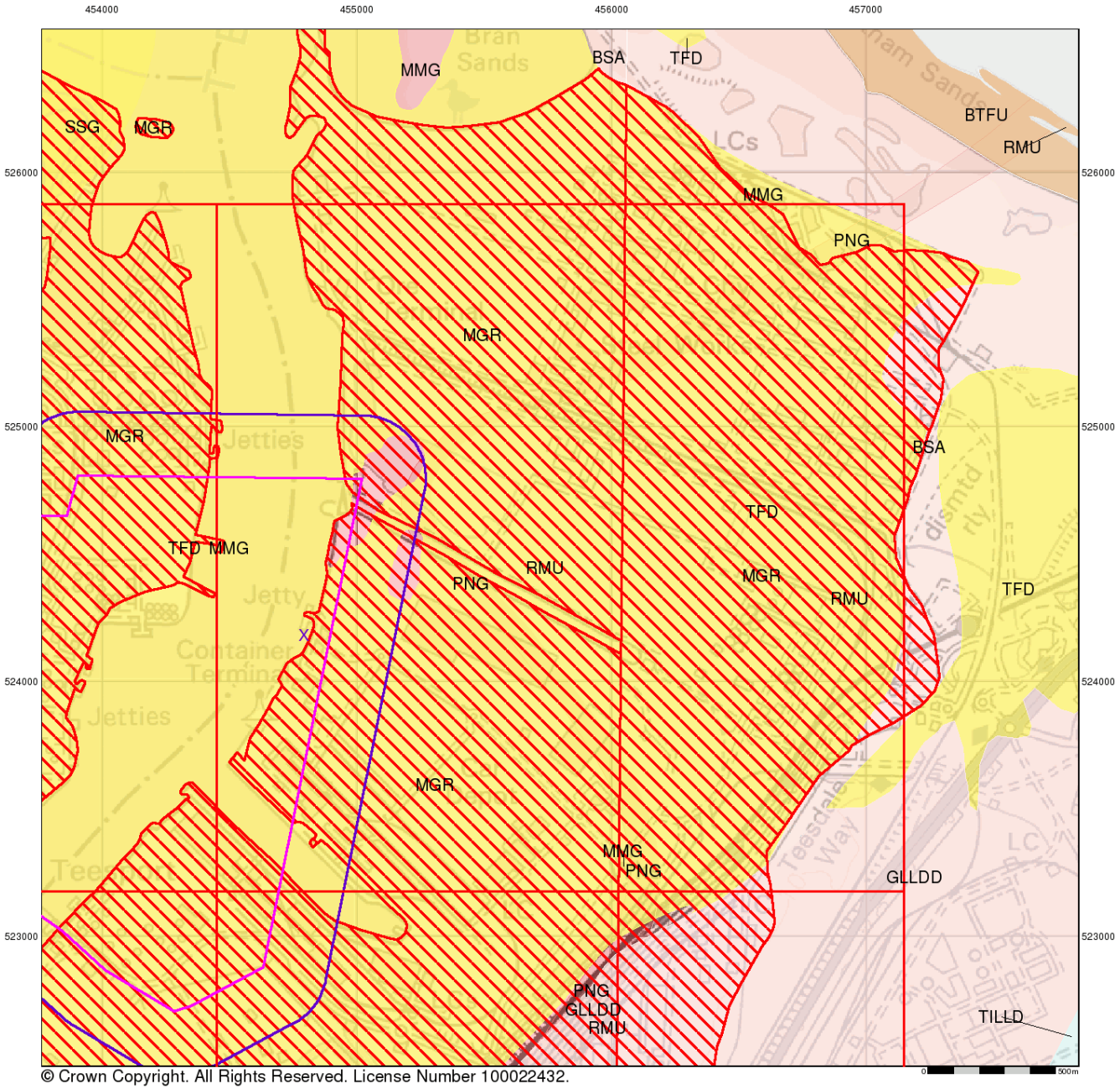

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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

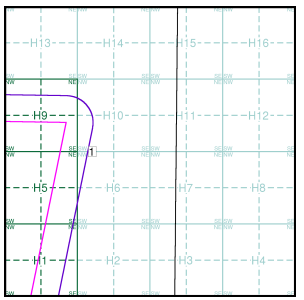
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice H

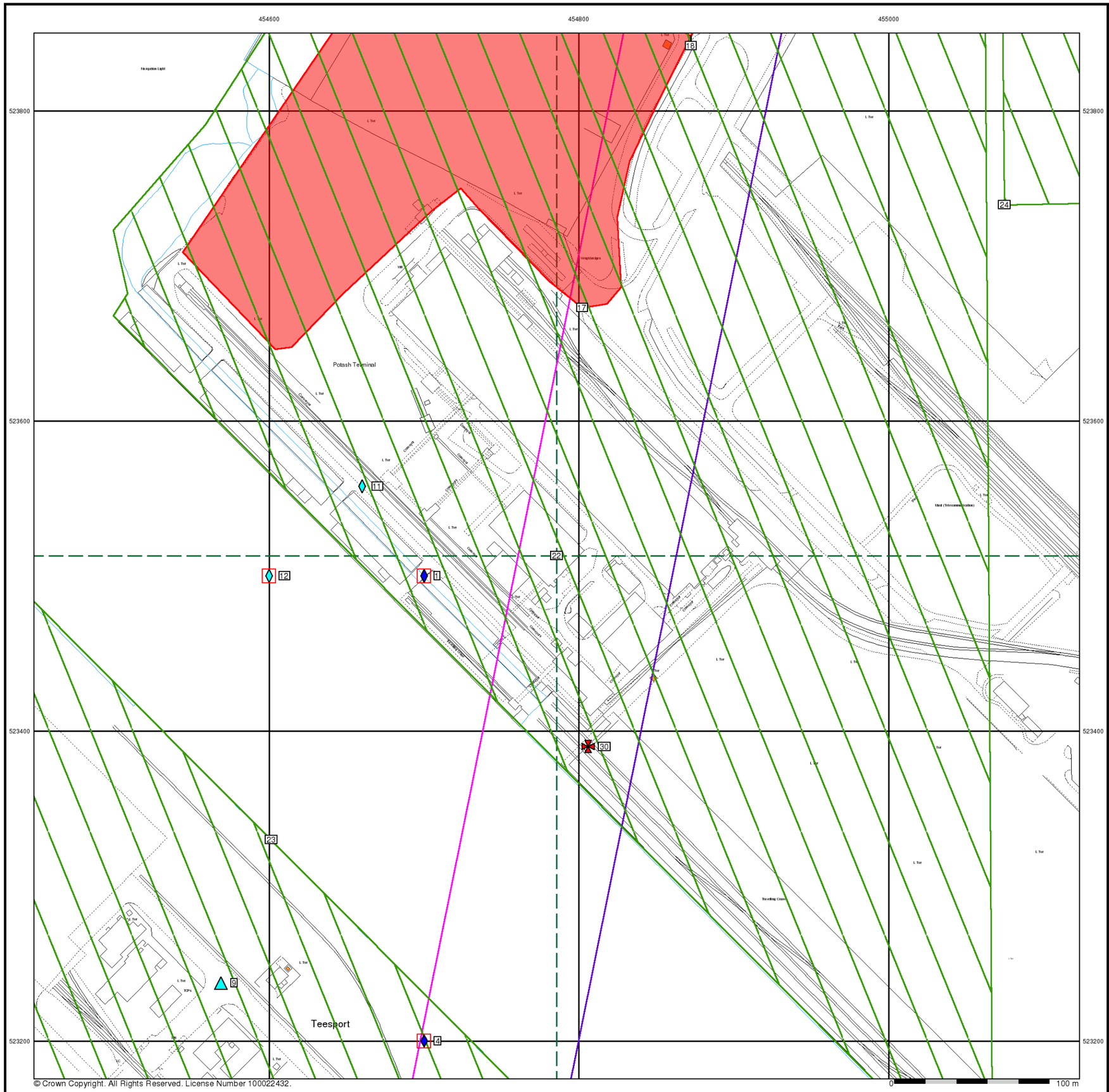


Order Details:

Order Number:	218629364_1_1
Customer Reference:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details:

Teesside Clean Gas Project 1 of 2



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AECOM

General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Map ID
Several of Type at Location
Pylon
Overhead Transmission Line

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

Hazardous Substances

COMAH Site
Explosive Site
NIHHS Site
Planning Hazardous Substance Consent
Planning Hazardous Substance Enforcement

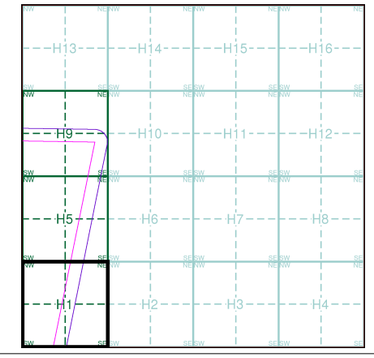
Geological

BGS Recorded Mineral Site

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
Potentially Infilled Land (Non-water)
Potentially Infilled Land (Non-water)
Potentially Infilled Land (Non-water)
Potentially Infilled Land (Water)
Potentially Infilled Land (Water)
Potentially Infilled Land (Water)
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

Site Sensitivity Map - Segment H1



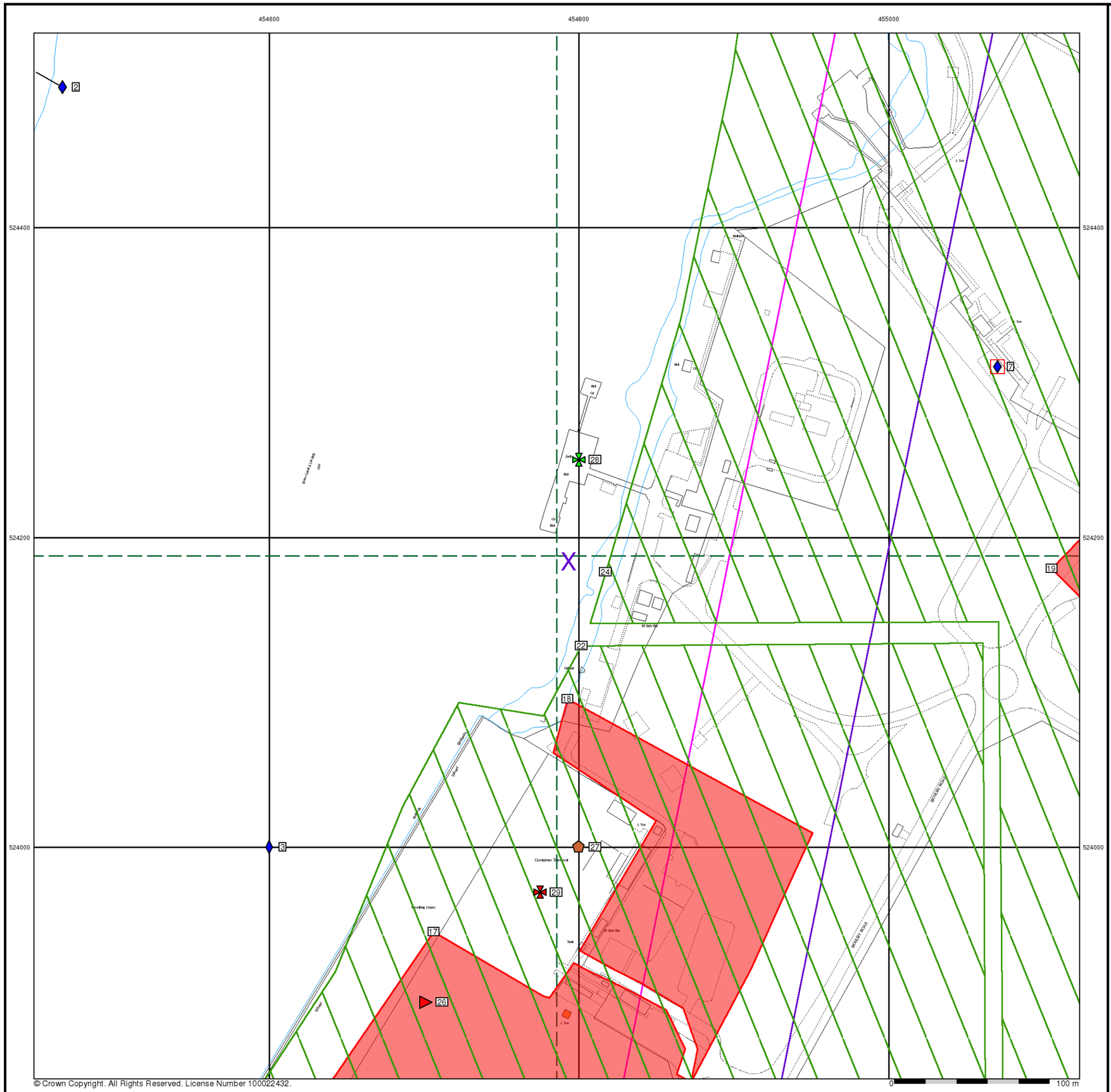
Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Plot Buffer (m):	100

Site Details

Teesside Clean Gas Project 1 of 2

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



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AECOM

General

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

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

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

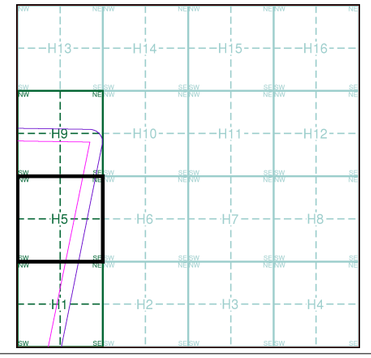
Geological

- BGS Recorded Mineral Site

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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

Site Sensitivity Map - Segment H5



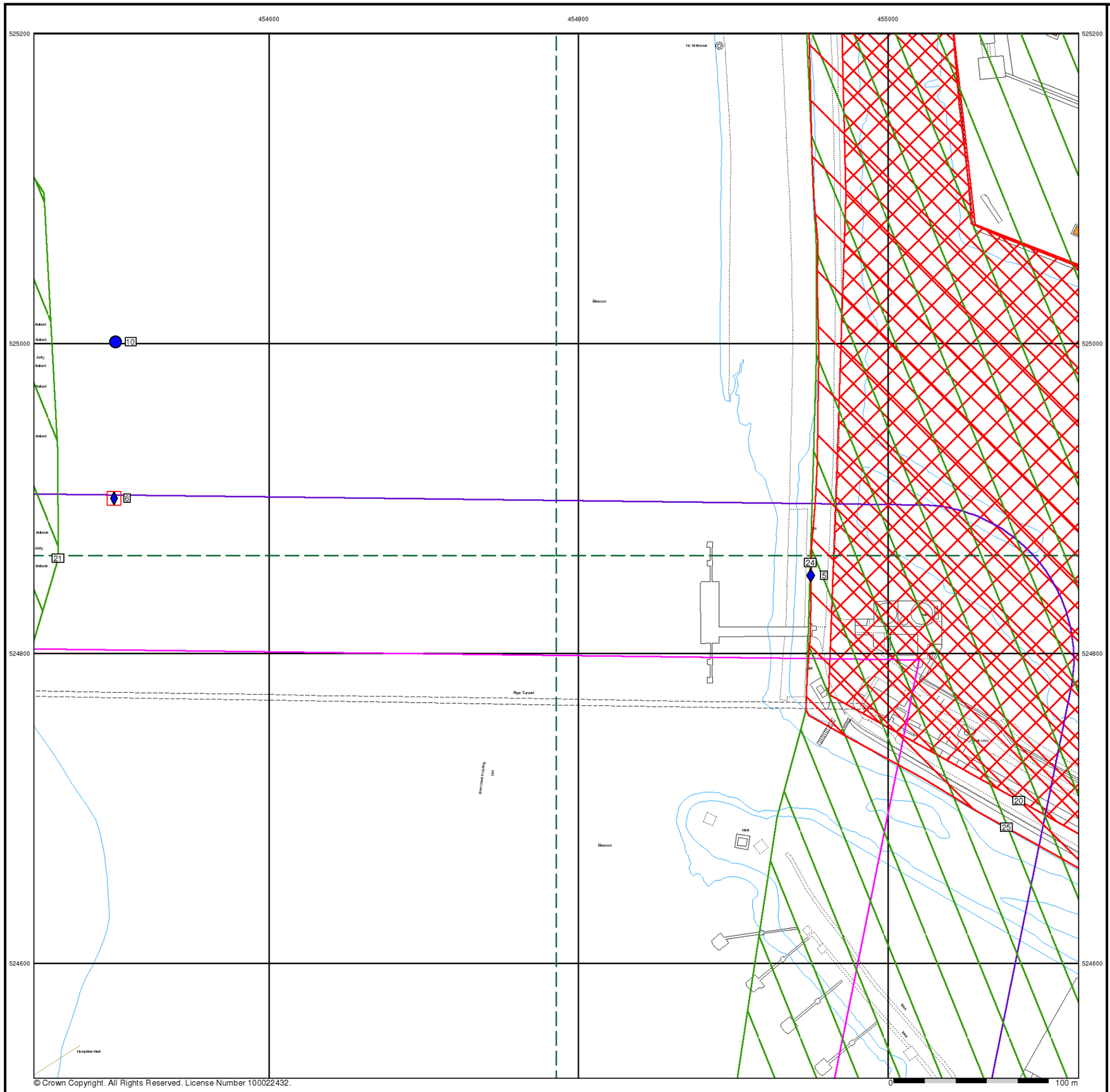
Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Plot Buffer (m):	100

Site Details

Teesside Clean Gas Project 1 of 2

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



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AECOM

General

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

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

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Waste

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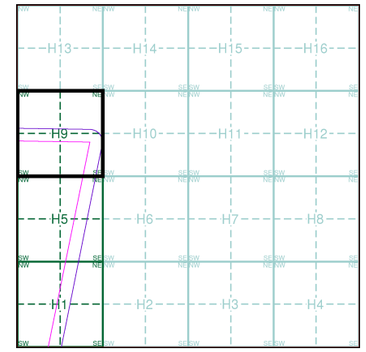
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment H9



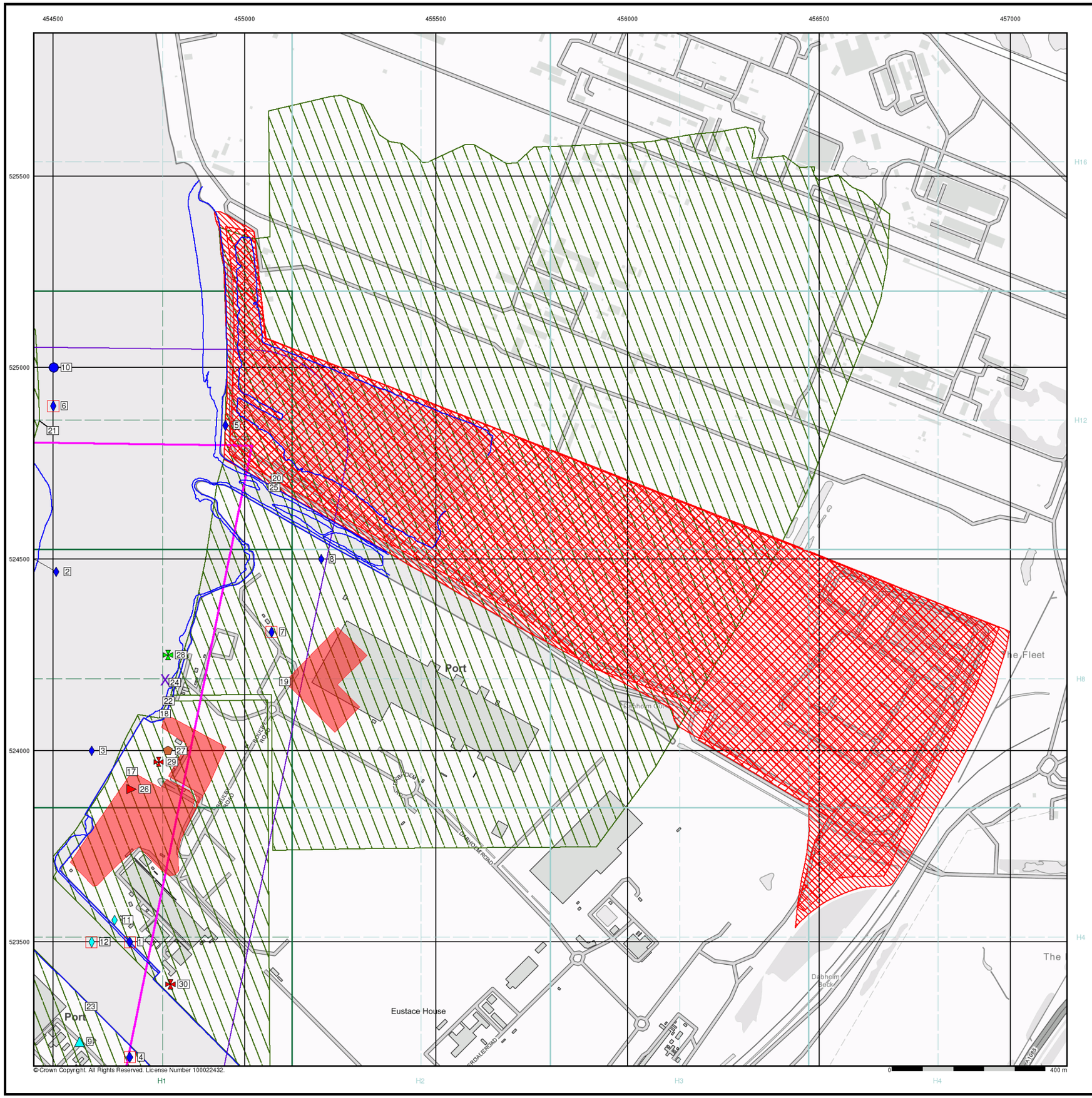
Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Plot Buffer (m):	100

Site Details

Teesside Clean Gas Project 1 of 2

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



AECOM

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (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

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
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- Potentially Infilled Land (Non-water)
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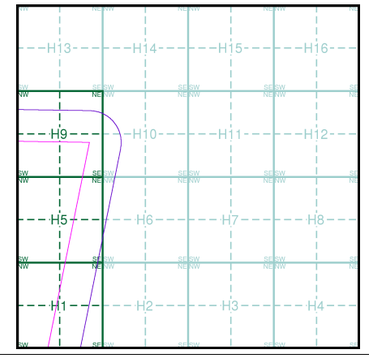
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice H



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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

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Industrial Land Use Map

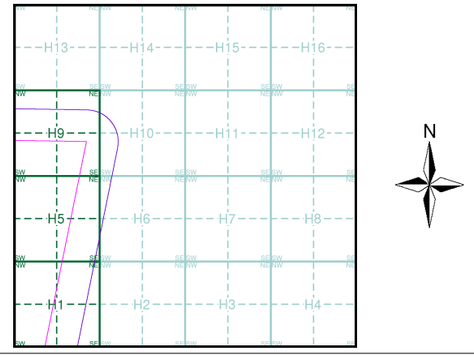
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice H



Order Details

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National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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

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AECOM

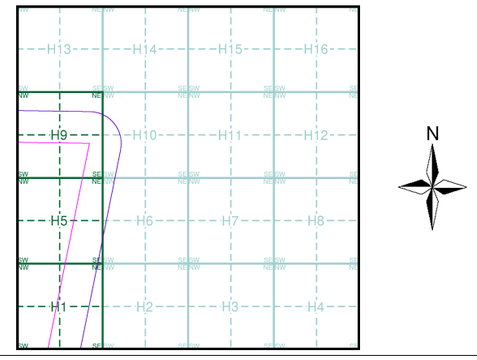
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice H



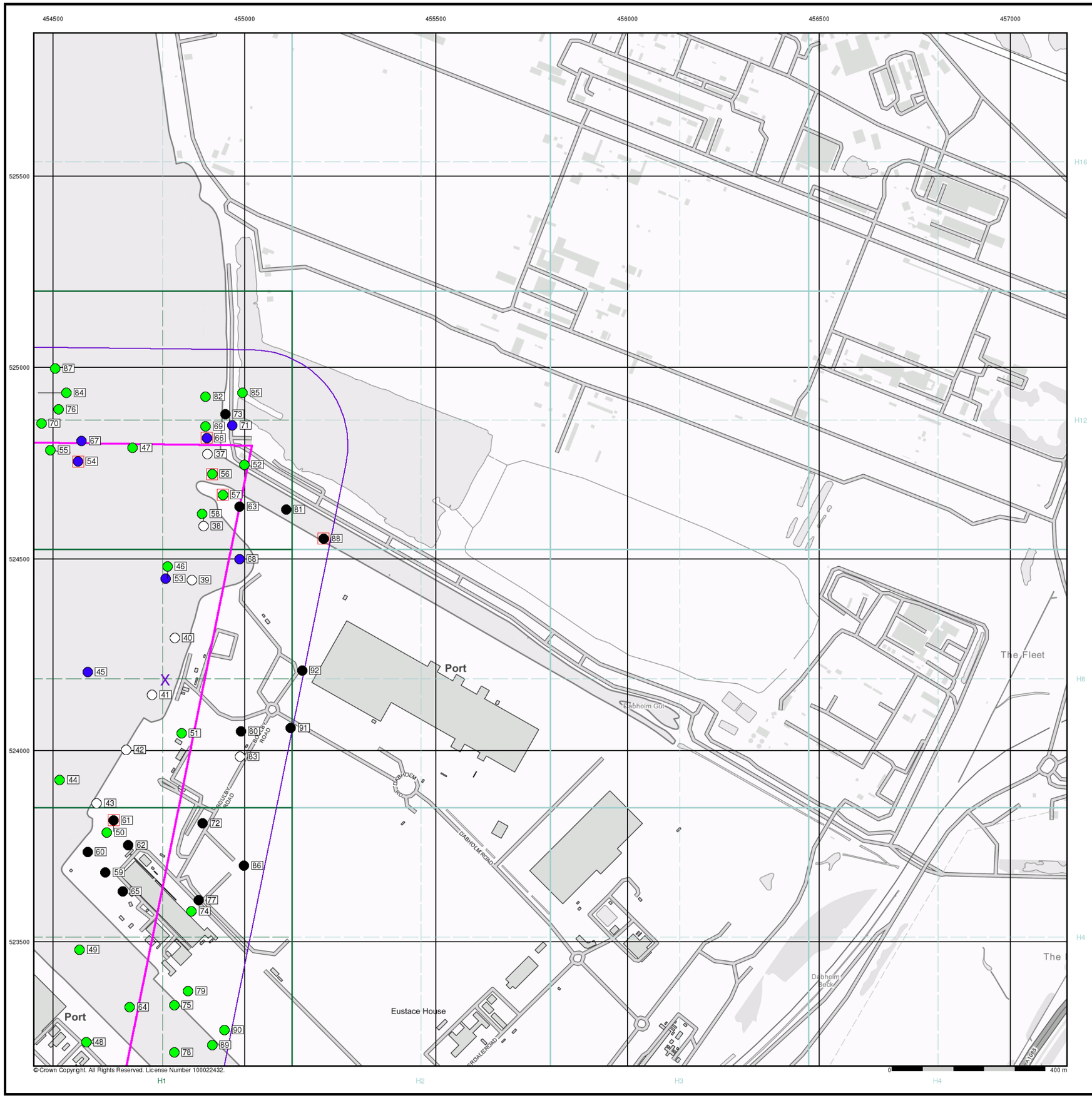
Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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



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General

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

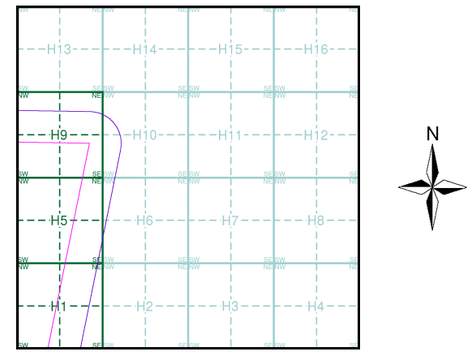
Agency and Hydrological (Boreholes)

- 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 H



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National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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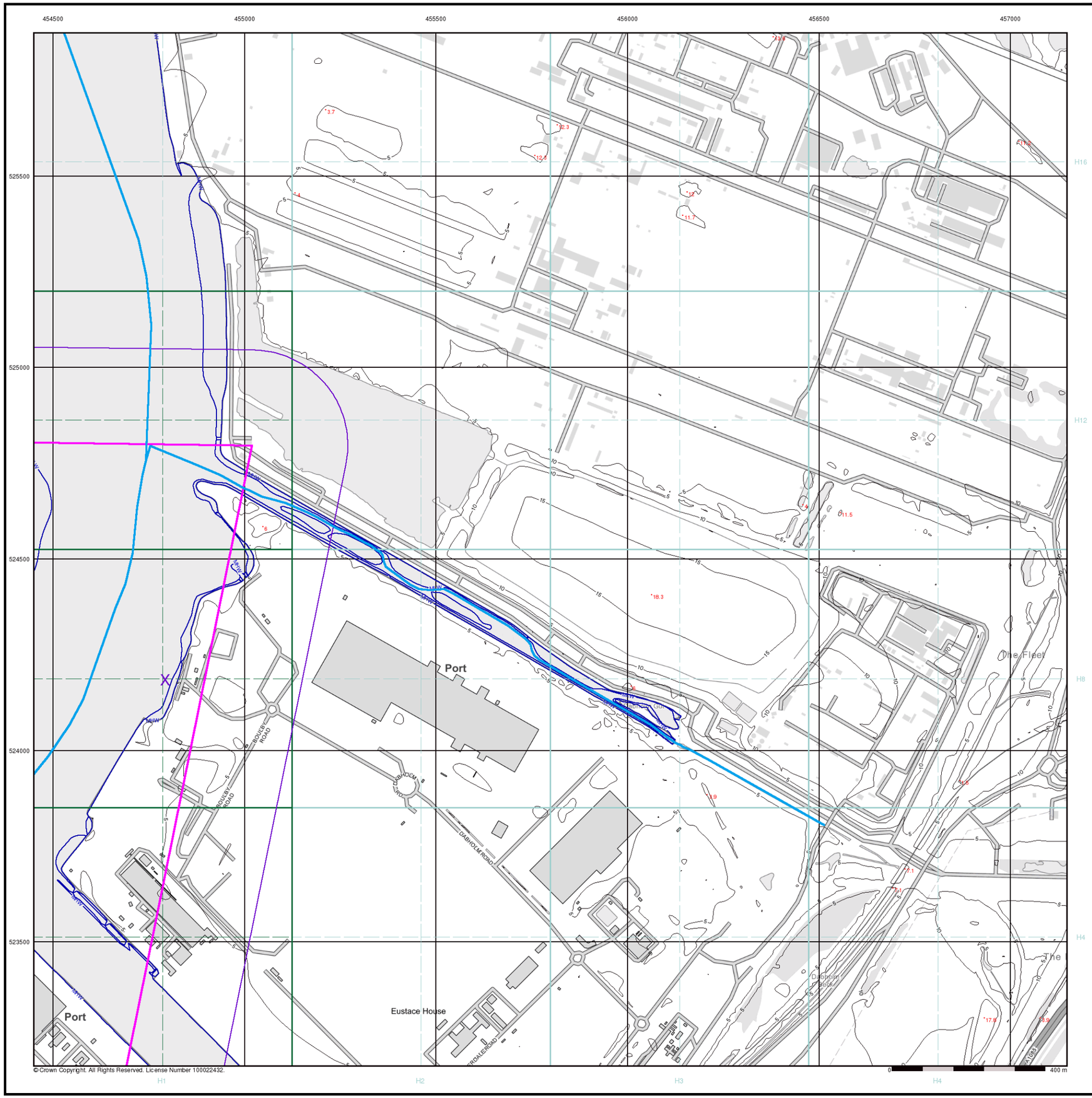

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AECOM

General

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

OS Water Network Data

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

Contours (height in meters)

Standard Contour 105 100 95

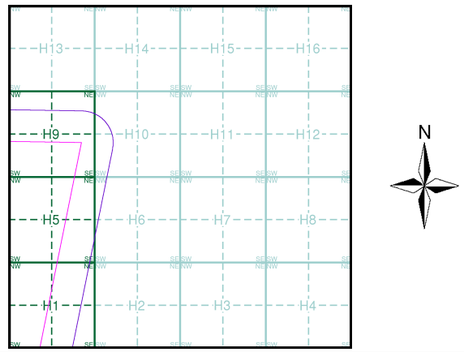
Master Contour

Spot Height 167.3

MLW Mean Low Water

MHW Mean High Water

OS Water Network Map - Slice H



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	454790, 524180
Slice:	H
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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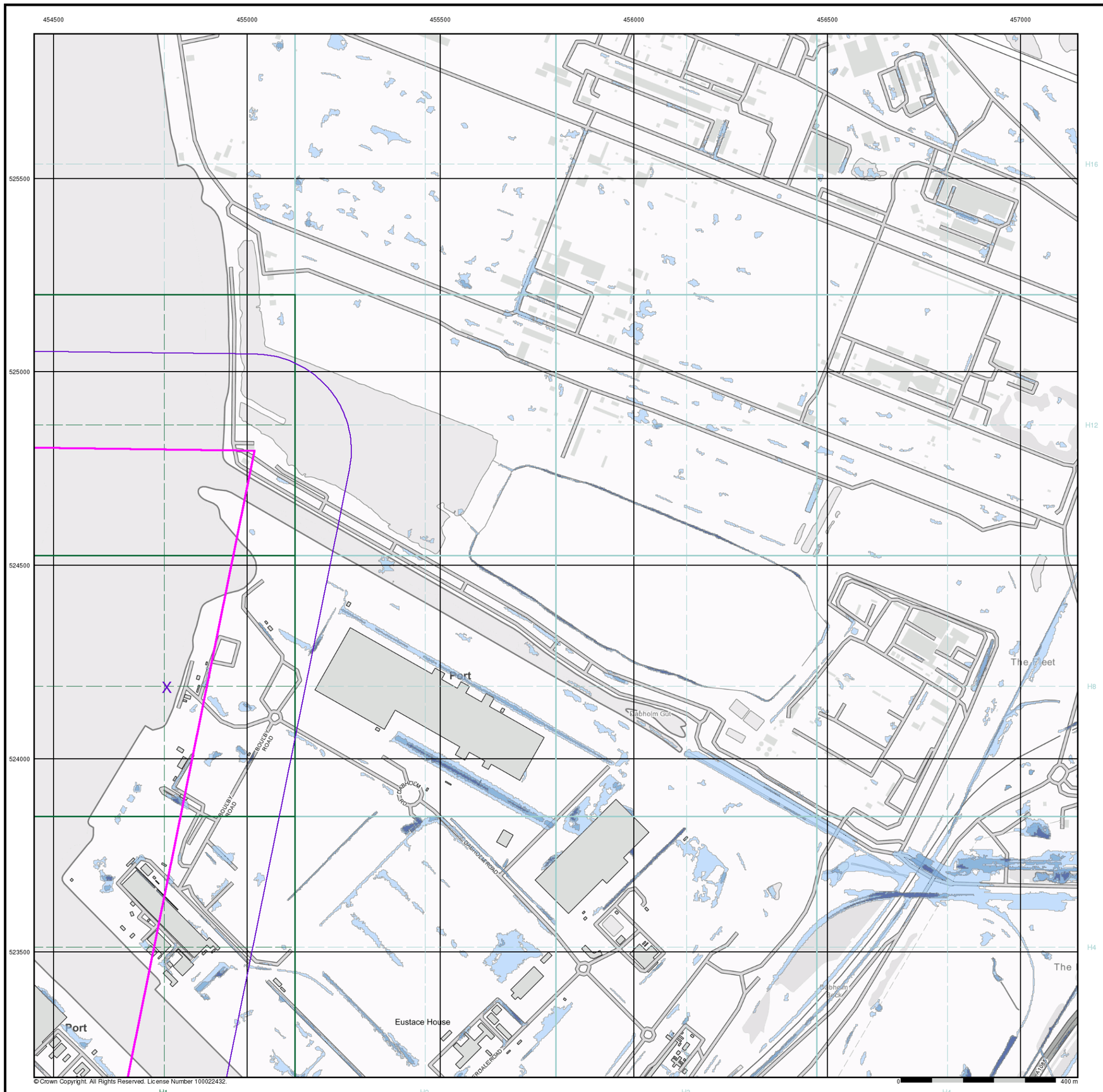


AECOM

General

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

Risk of Flooding from Surface Water

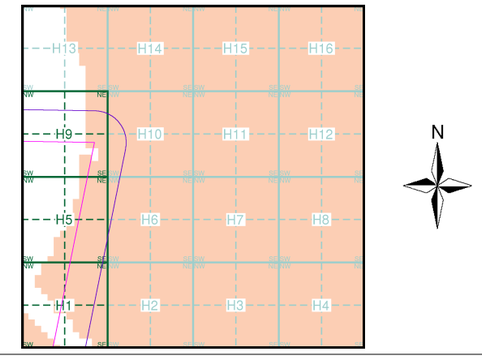
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice H



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AECOM

General

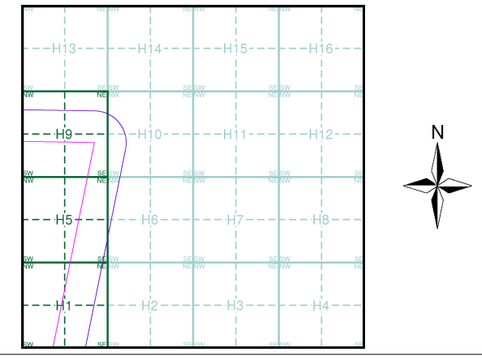
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice H



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AECOM

General

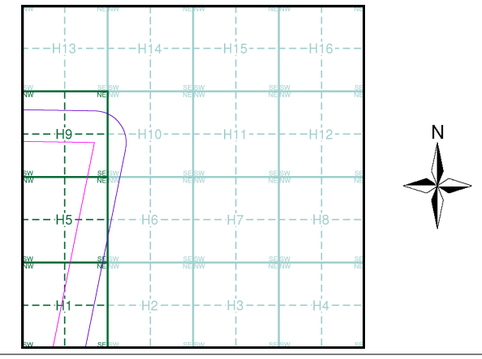
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice H



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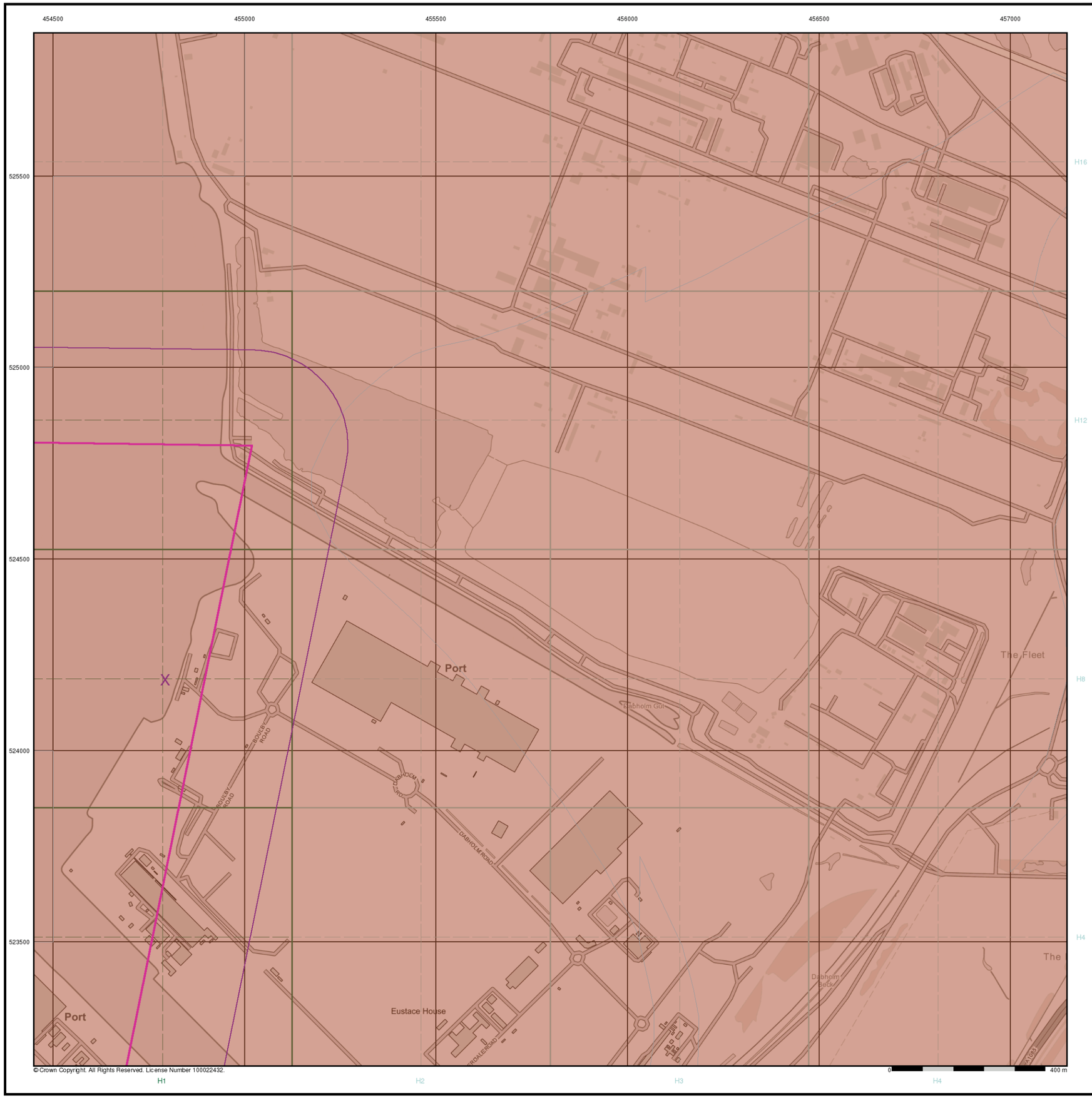

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AECOM

General

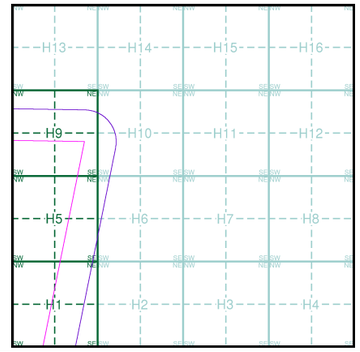
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice H



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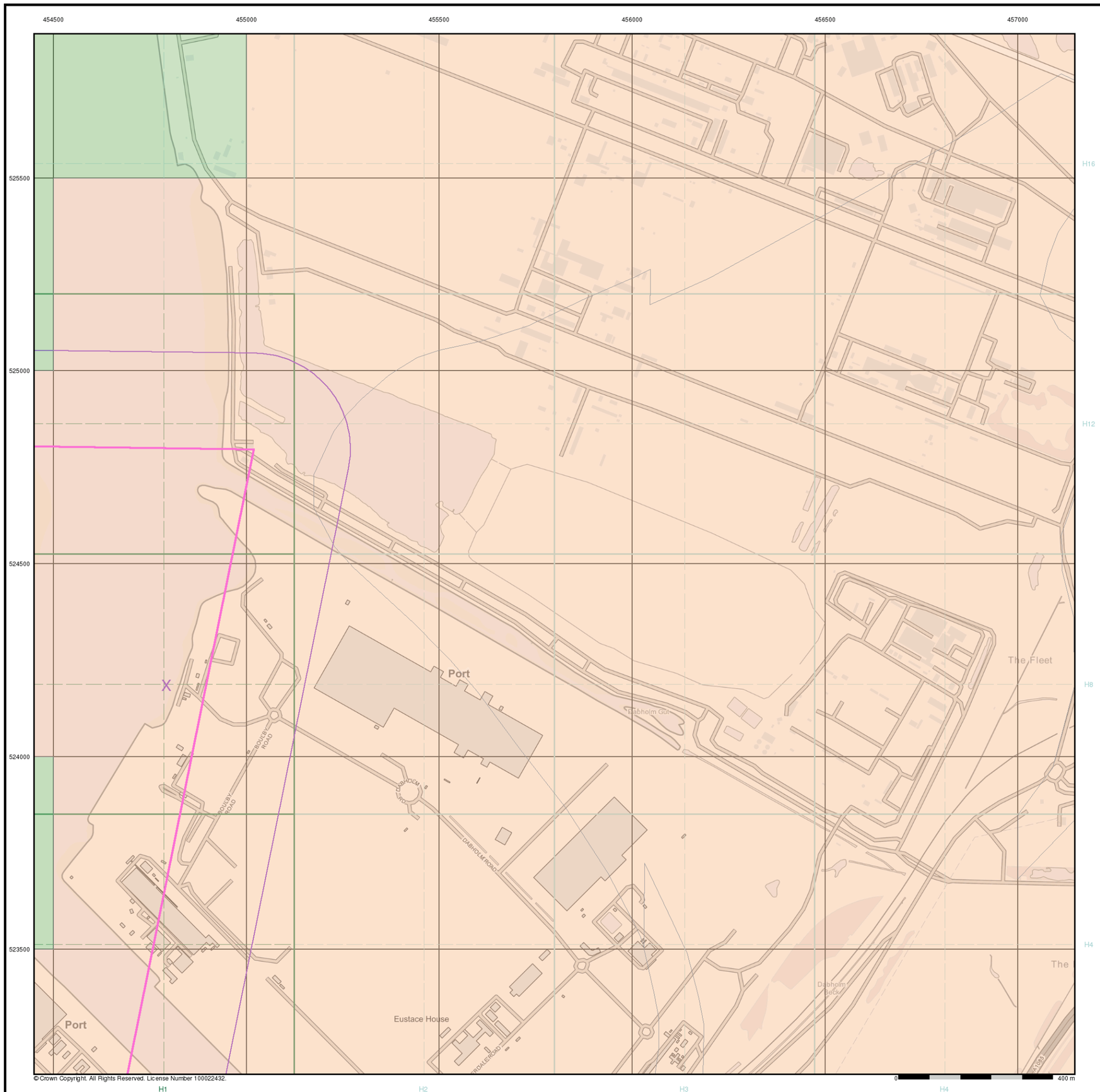


General

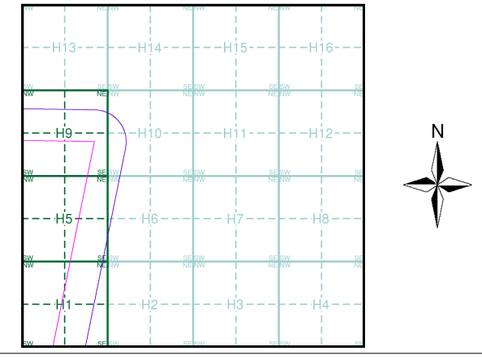
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice H



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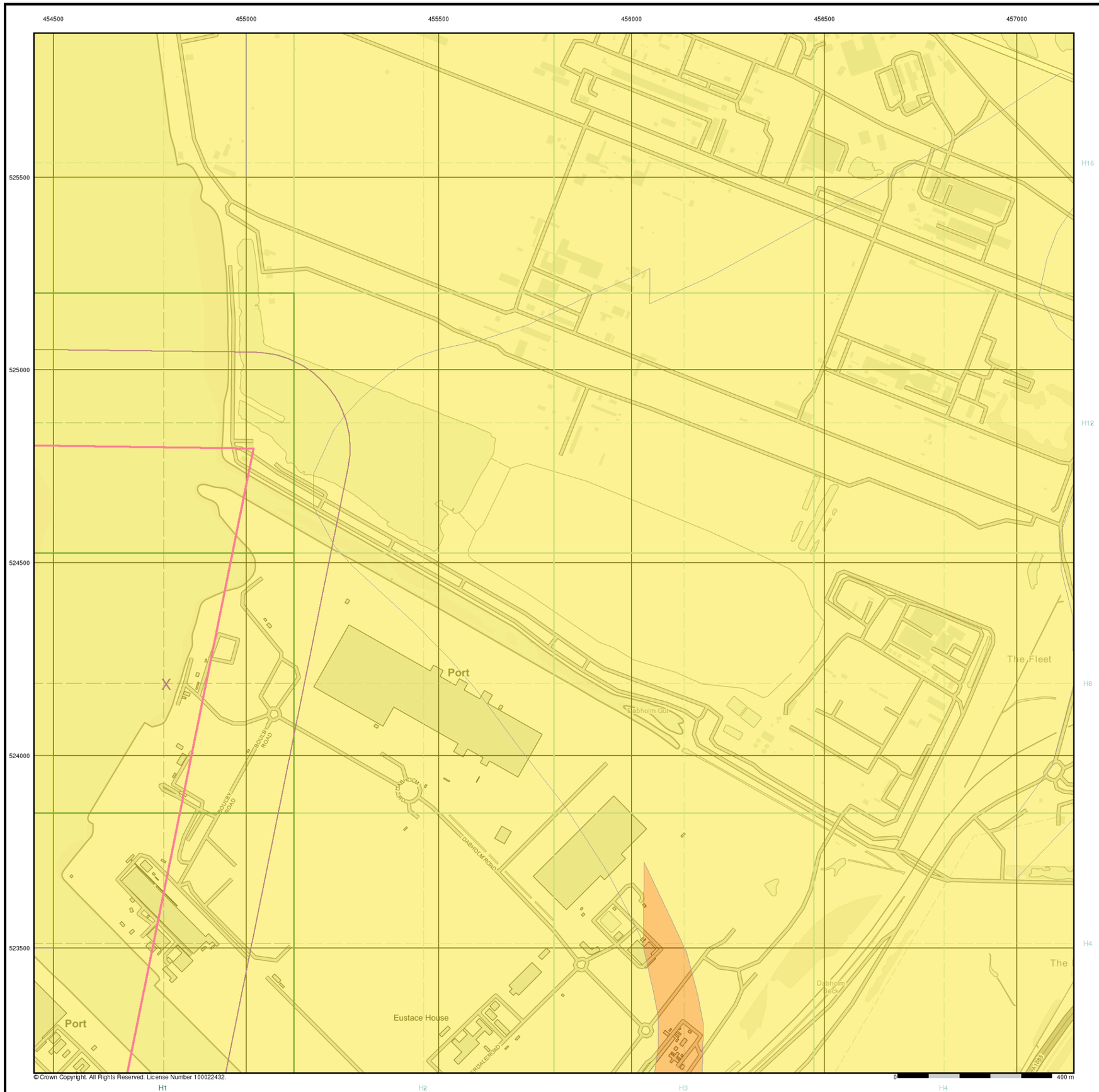


AECOM

General

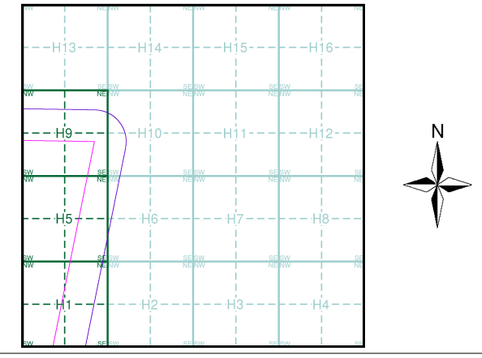
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice H



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