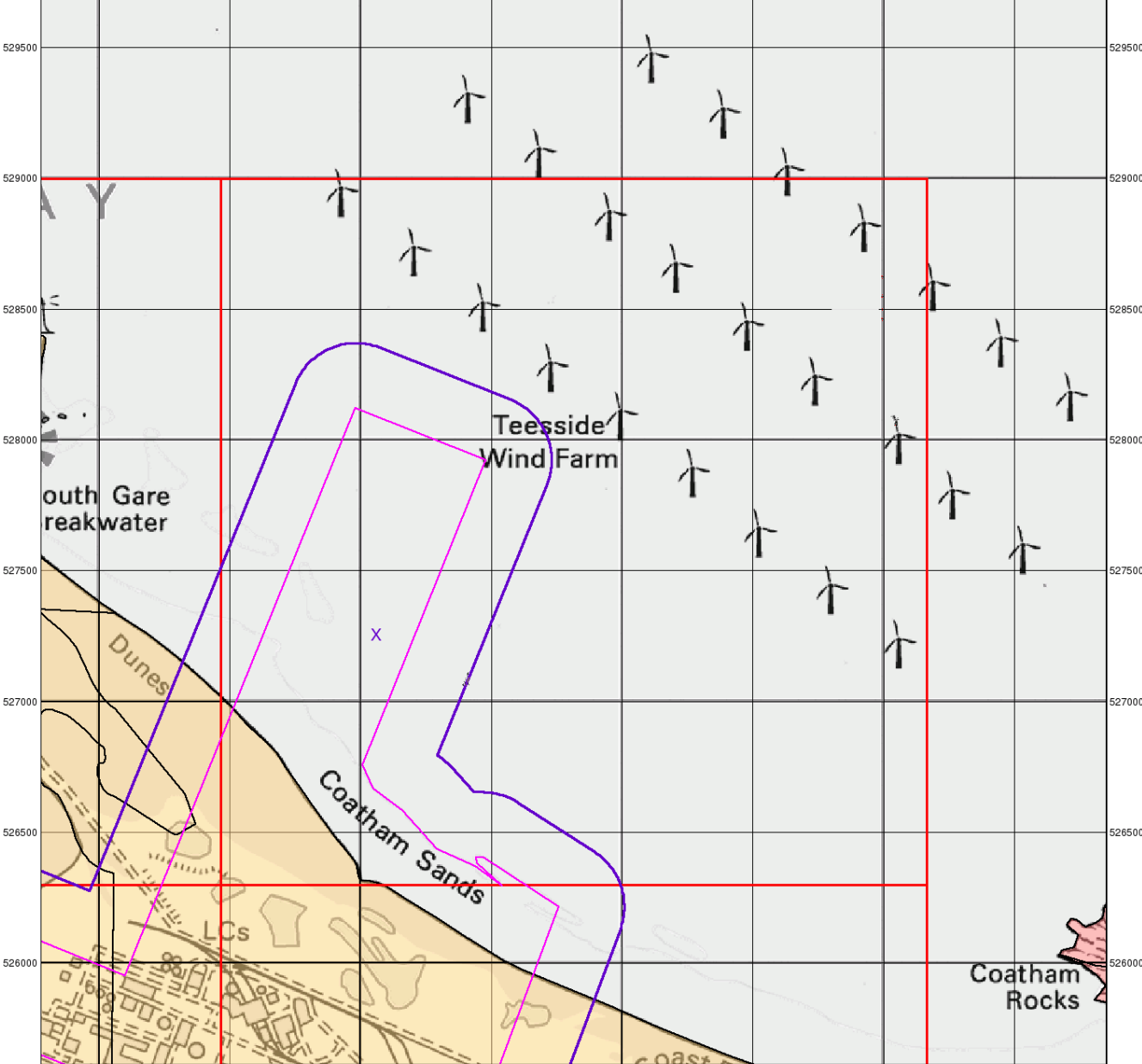


456000 456500 457000 457500 458000 458500 459000 459500



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0 1 km



Groundwater Vulnerability

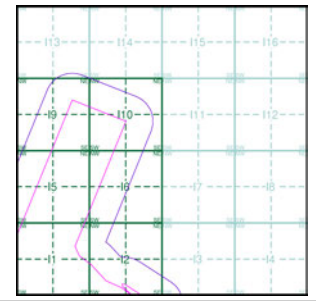
General

- 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 I



Order Details

Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

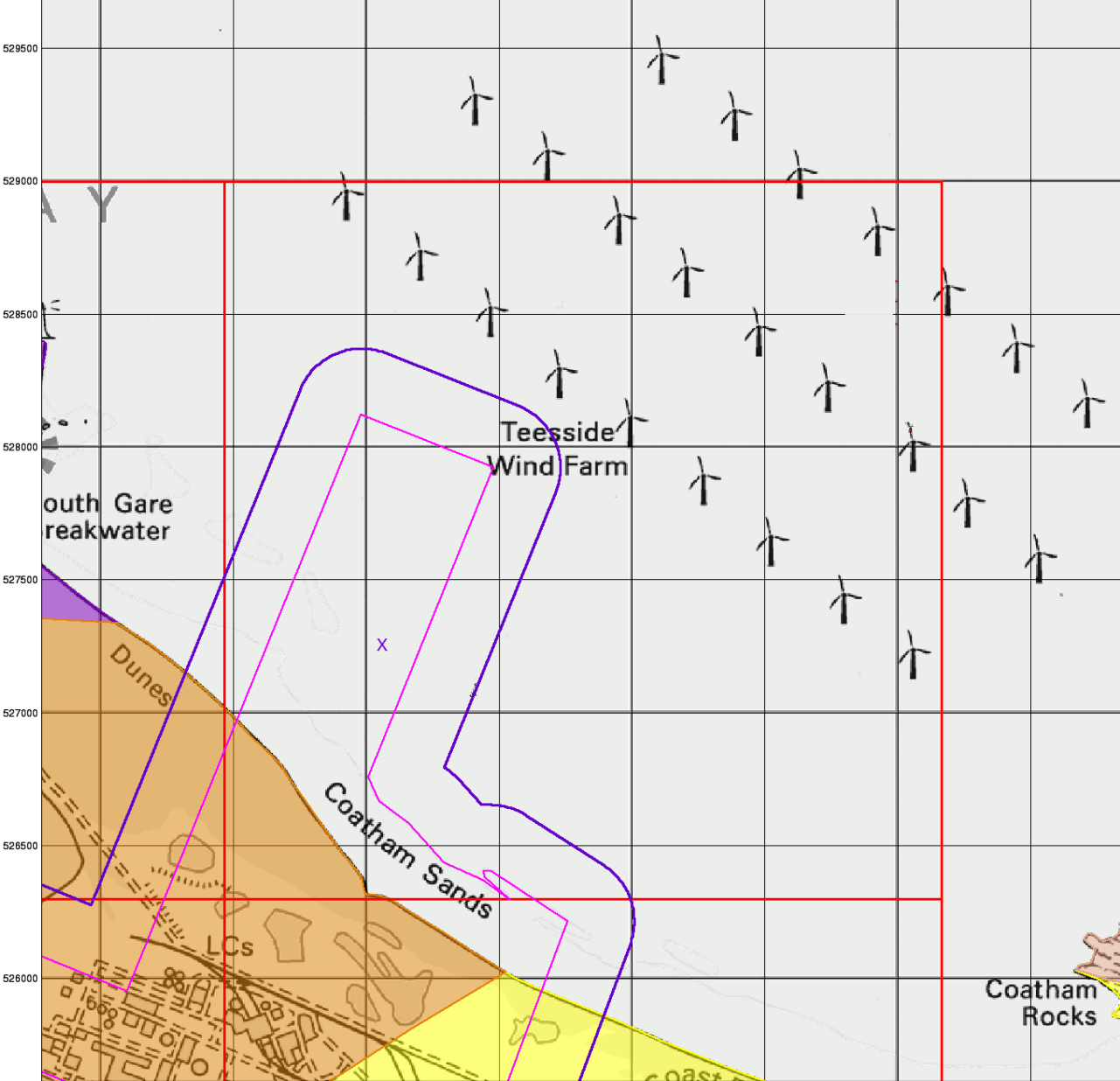
Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
 Fax: [Redacted]
 Web: [Redacted]

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0 1 km



Bedrock Aquifer Designation

General

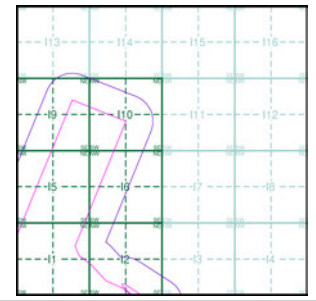
- ◊ Specified Site
- ◊ Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

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 I



Order Details

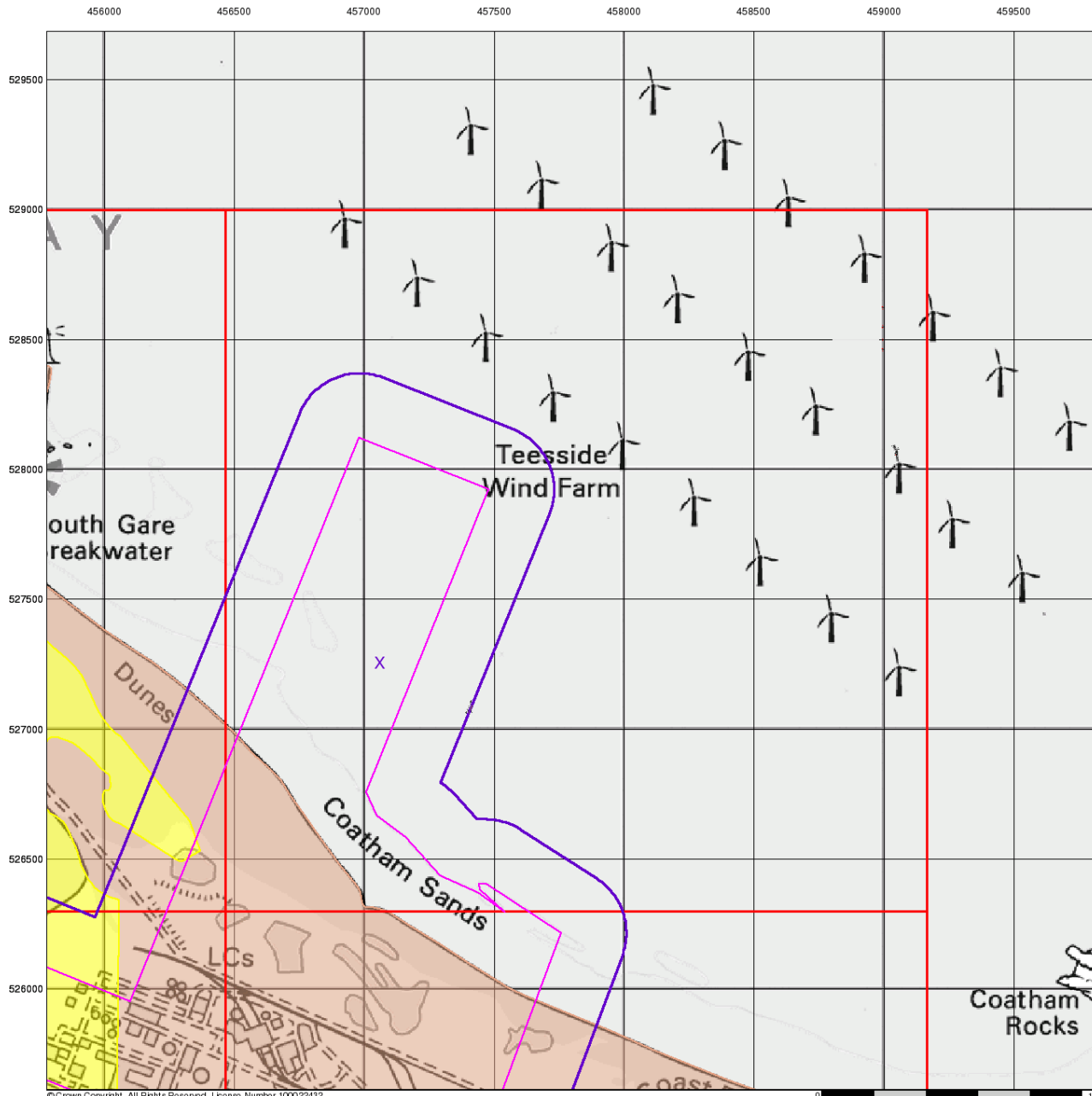
Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



Tel:
 Fax:
 Web:



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Superficial Aquifer Designation

General

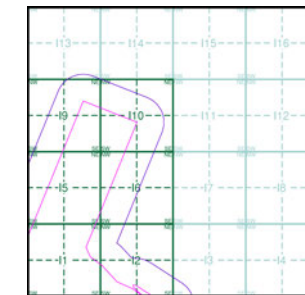
- ▭ Specified Site
- ▭ Specified Buffer(s)
- X Bearing Reference Point
- ▭ Slice
- 8 Map ID

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 I



Order Details

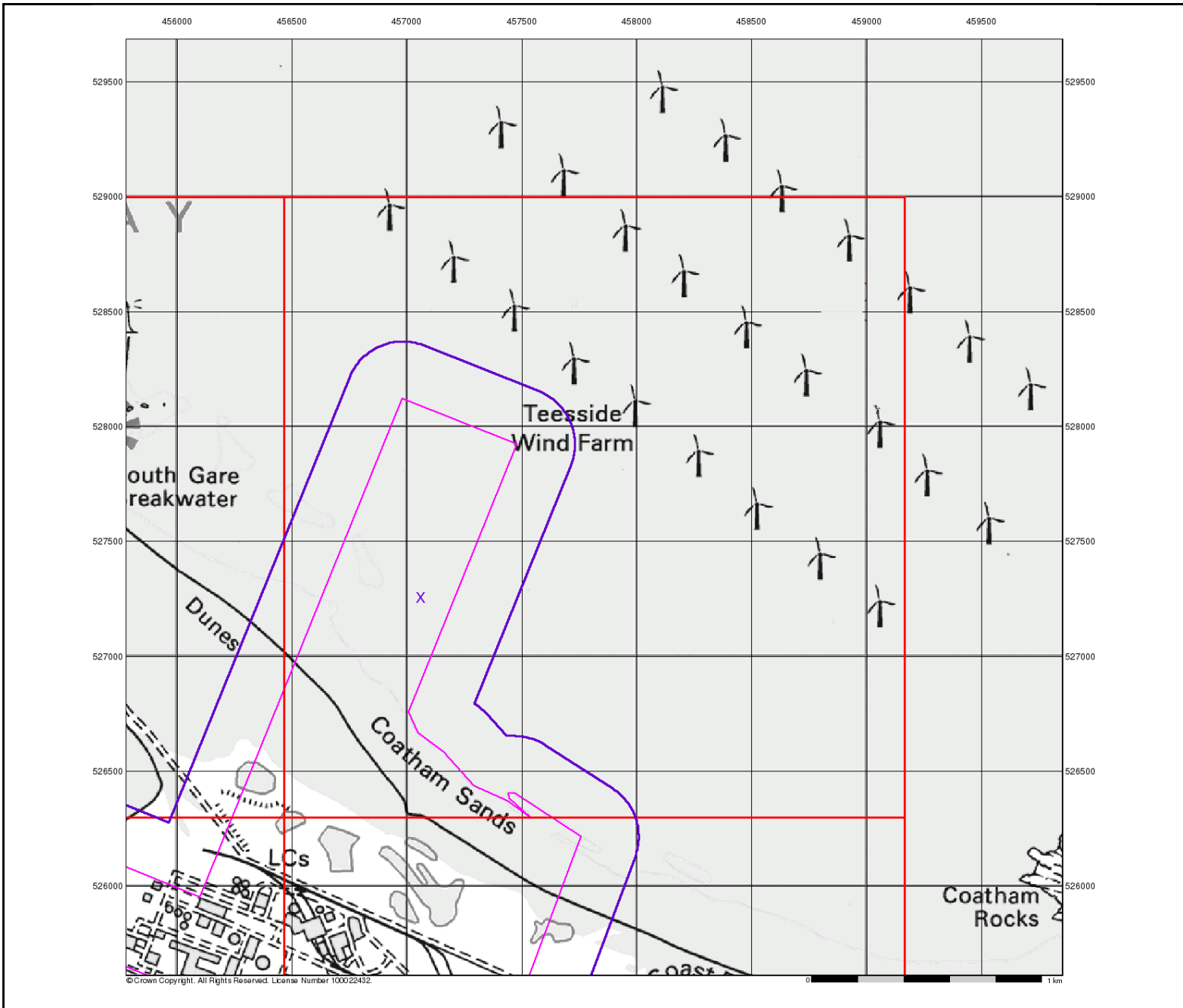
Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



Tel:
 Fax:
 Web:



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0 1 km



Source Protection Zones

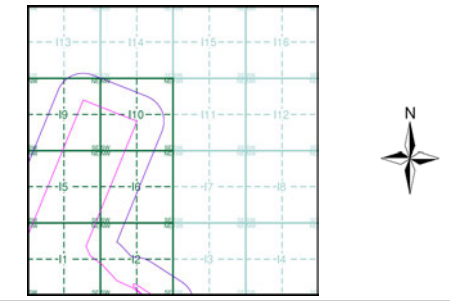
General

- 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 I



Order Details

Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

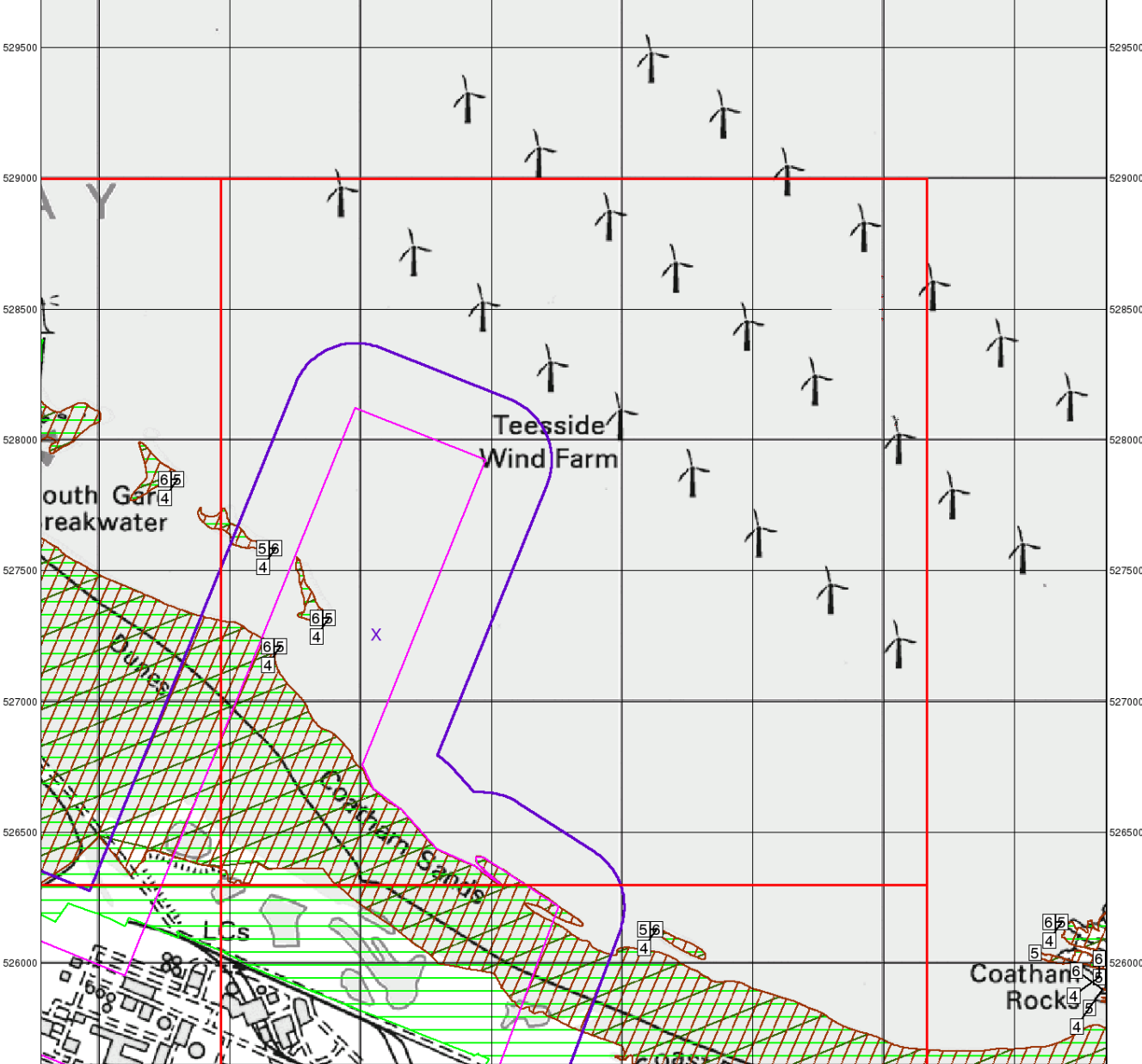
Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
 Fax: [Redacted]
 Web: [Redacted]

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Sensitive Land Uses

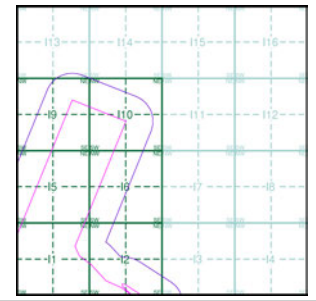
General

- 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 I



Order Details

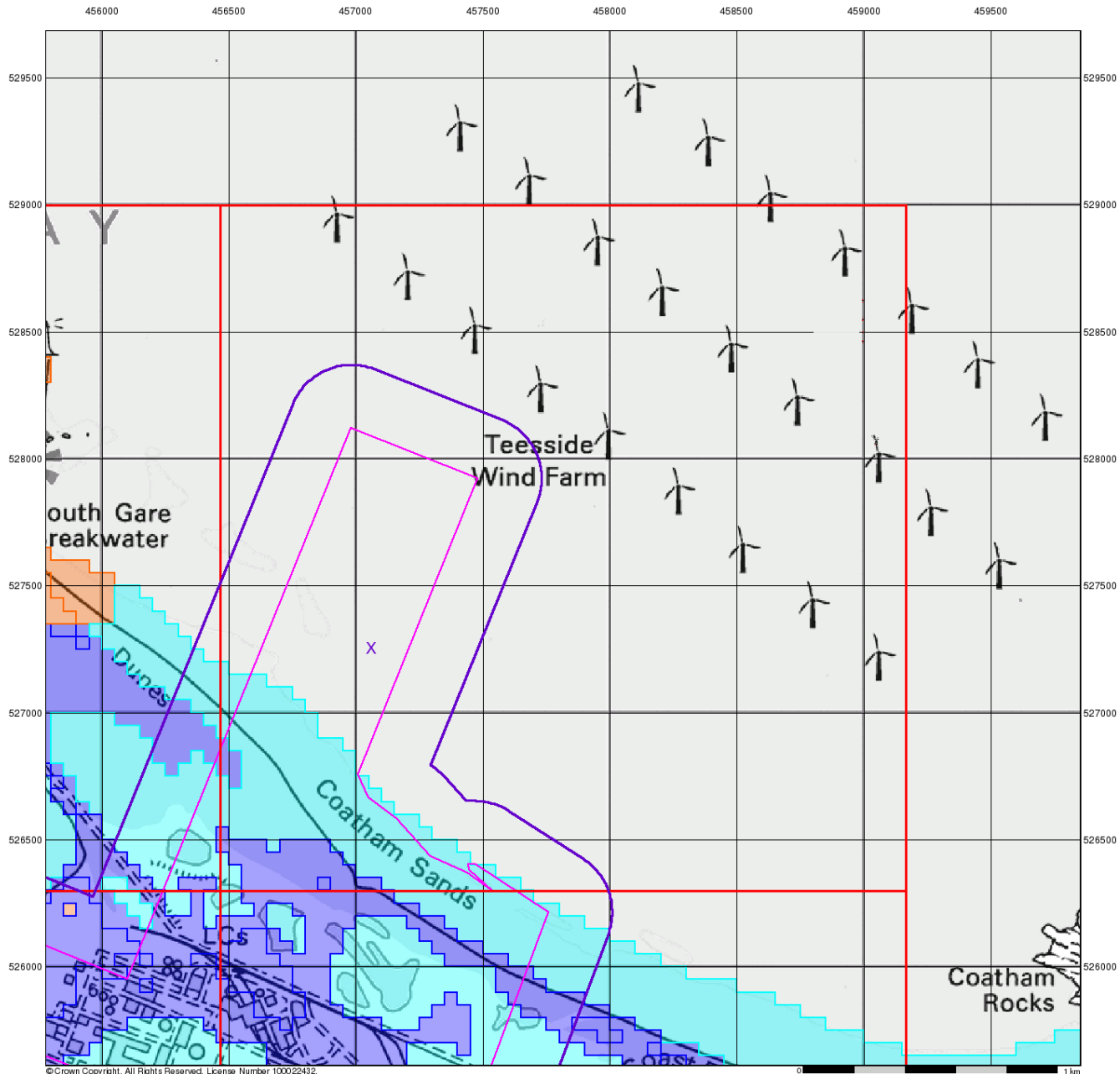
Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
 Fax: [Redacted]
 Web: [Redacted]



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BGS Flood GFS Data

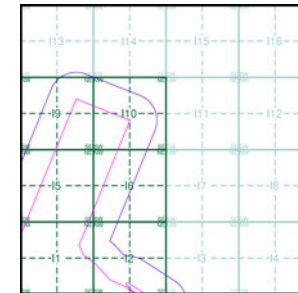
General

- ◇ Specified Site
- ⬮ Specified Buffer(s)
- X 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 I



Order Details

Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



Tel:
 Fax:
 Web:

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

218629437_1_1

Customer Reference:

60559231/Teesside Clean Gas

National Grid Reference:

457060, 527250

Slice:

I

Site Area (Ha):

1523.9

Search Buffer (m):

250

Site Details:

Teesside Clean Gas Project 2 of 2

Client Details:

Mr R Addison

AECOM Ltd

1st Floor, One Trinity Gardens

Broad Chare

Newcastle Upon Tyne

NE1 2HF

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	5
Hazardous Substances	-
Geological	6
Industrial Land Use	-
Sensitive Land Use	8
Data Currency	9
Data Suppliers	14
Useful Contacts	15

Introduction

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

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Report Version v53.0

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

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Waste			
BGS Recorded Landfill Sites			
Historical Landfill Sites			
Integrated Pollution Control Registered Waste Sites			
Licensed Waste Management Facilities (Landfill Boundaries)			
Licensed Waste Management Facilities (Locations)			
Local Authority Landfill Coverage	pg 5	1	n/a
Local Authority Recorded Landfill Sites			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)	pg 5	1	
Registered Landfill Sites			
Registered Waste Transfer Sites			
Registered Waste Treatment or Disposal Sites			
Hazardous Substances			
Control of Major Accident Hazards Sites (COMAH)			
Explosive Sites			
Notification of Installations Handling Hazardous Substances (NIHHS)			
Planning Hazardous Substance Consents			
Planning Hazardous Substance Enforcements			

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Geological			
BGS 1:625,000 Solid Geology	pg 6	Yes	n/a
BGS Estimated Soil Chemistry	pg 6	Yes	
BGS Recorded Mineral Sites			
BGS Urban Soil Chemistry			
BGS Urban Soil Chemistry Averages			
CBSCB Compensation District			n/a
Coal Mining Affected Areas			n/a
Mining Instability			n/a
Man-Made Mining Cavities			
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential for Collapsible Ground Stability Hazards			
Potential for Compressible Ground Stability Hazards			
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 7	Yes	Yes
Potential for Running Sand Ground Stability Hazards	pg 7	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7	Yes	Yes
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries			
Fuel Station Entries			
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			
Gas Pipelines			
Underground Electrical Cables			

Data Type	Page Number	On Site	0 to 250m (*up to 500m)
Sensitive Land Use			
Ancient Woodland			
Areas of Adopted Green Belt			
Areas of Unadopted Green Belt			
Areas of Outstanding Natural Beauty			
Environmentally Sensitive Areas			
Forest Parks			
Local Nature Reserves			
Marine Nature Reserves			
National Nature Reserves			
National Parks			
Nitrate Sensitive Areas			
Nitrate Vulnerable Zones			
Ramsar Sites	pg 8	1	
Sites of Special Scientific Interest	pg 8	1	
Special Areas of Conservation			
Special Protection Areas	pg 8	1	
World Heritage Sites			

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	(SW)	0	1	456200 526050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	456450 526050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	455950 526350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	456650 526150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	456150 526300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	11SE (S)	0	1	456900 526500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	15SE (SW)	0	1	456850 527000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	0	1	456750 526250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	11SE (S)	0	1	456900 526350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	456200 525950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	455900 526600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	0	1	457059 526200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	456400 525800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	11NW (SW)	0	1	456550 526850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	137	1	455900 526250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	211	1	455850 526350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	230	1	457850 525800
1	Discharge Consents Operator: British Steel Engineering Steels Property Type: Iron & Steel Industries Location: Steel House, REDCAR, Cleveland, TS10 5QW Authority: Environment Agency, North East Region Catchment Area: North Sea Reference: AJ0094 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 18th June 1993 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Cooling Water (Direct) Discharge Environment: Coastal Receiving Water: North Sea Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	15SE (SW)	0	2	456940 527130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Corus Construction Industrial Property Type: MAKING OF BASIC METALS/IRON+STEEL/FOUNDRY/CASTING Location: British Steel Redcar Works, Redcar Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 256/0905 Permit Version: 1 Effective Date: 12th March 1993 Issued Date: 12th March 1993 Revocation Date: 23rd June 1994 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge: Controlled Sea Environment: Receiving Water: North Sea Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	I5SE (SW)	0	2	456900 527000
2	<p>Discharge Consents</p> <p>Operator: British Steel Plc Property Type: MAKING OF BASIC METALS/IRON+STEEL/FOUNDRY/CASTING Location: British Steel Redcar Works, Redcar Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 256/X/0648 Permit Version: 1 Effective Date: 30th September 1987 Issued Date: 30th September 1987 Revocation Date: 12th March 1993 Discharge Type: Unspecified Discharge: Freshwater Estuary Environment: Receiving Water: Tees Estuary Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 10m</p>	I5SE (SW)	0	2	456900 527000
	<p>Nearest Surface Water Feature</p>	I5NE (W)	0	-	456882 527317
	<p>Groundwater Vulnerability Map</p> <p>Combined Secondary Superficial Aquifer - High Vulnerability Classification: High Combined High Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: No Data Baseflow Index: No Data Superficial >90% Patchiness: Superficial >10m Thickness: Superficial High Recharge:</p>	(SW)	0	3	456000 526000
	<p>Groundwater Vulnerability Map</p> <p>Combined Secondary Superficial Aquifer - High Vulnerability Classification: High Combined High Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial >90% Patchiness: Superficial >10m Thickness: Superficial High Recharge:</p>	(SW)	0	3	456054 526000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>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</p>	(S)	0	3	457000 526000
	<p>Groundwater Vulnerability Map</p> <p>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</p>	(S)	0	3	457059 526000
	<p>Groundwater Vulnerability Map</p> <p>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: No Data Baseflow Index: No Data Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: No Data</p>	(W)	0	3	456000 527000
	<p>Groundwater Vulnerability Map</p> <p>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</p>	(SW)	0	3	456314 526664

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: No Data	I1NW (SW)	0	3	456649 526836
	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: No Data Baseflow Index: No Data Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: No Data	I1SE (S)	0	3	457000 526319
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(S)	0	3	457525 526022
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	I1NW (SW)	0	3	456649 526836
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	I1NW (SW)	0	3	456649 526836
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(SW)	0	3	456314 526664
	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	I5SE (SW)	0	2	456963 527210
	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	I5SE (SW)	0	2	456963 527210
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	OS Water Network Lines None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Redcar and Cleveland Unitary Council - Has no landfill data to supply		0	4	456581 526929
3	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1856	(SW)	0	-	456342 526726

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	I1NW (SW)	0	1	456564 526804
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: no data Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: no data Concentration: Lead Concentration: <100 mg/kg Nickel: no data Concentration:	I5SE (S)	0	1	457059 527000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: no data Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: no data Concentration: Lead Concentration: <100 mg/kg Nickel: no data Concentration:	I5SE (W)	0	1	457000 527255
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: no data Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: no data Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: no data Concentration:	I5NW (NW)	0	1	456500 527500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	I1NW (SW)	0	1	456649 526836
	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				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I5NE (W)	0	1	456880 527322
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I5SW (W)	0	1	456690 527211
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I5NW (NW)	84	1	456674 527584
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I5NE (W)	0	1	456880 527322

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I5SW (W)	0	1	456690 527211
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I5NW (NW)	84	1	456674 527584
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I5NE (W)	0	1	456880 527322
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I5SW (W)	0	1	456690 527211
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I5NW (NW)	84	1	456674 527584
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I5NE (W)	0	1	456880 527322
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I5SW (W)	0	1	456690 527211
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I5NW (NW)	84	1	456674 527584
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	I1NW (SW)	0	1	456649 526836
	Potential for Running Sand Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	I5NE (W)	0	1	456880 527322
	Potential for Running Sand Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	I5SW (W)	0	1	456690 527211
	Potential for Running Sand Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	I5NW (NW)	84	1	456674 527584
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I1NW (SW)	0	1	456679 526829
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I5SW (W)	0	1	456690 527211
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I5NE (W)	0	1	456880 527322
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I5NW (NW)	84	1	456674 527584
	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	I5SE (SW)	0	1	456875 527075
	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	I5SE (SW)	0	1	456875 527075

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Ramsar Sites</p> <p>Name: Teesmouth And Cleveland Coast Multiple Areas: Y Total Area (m2): 12537569.88 Source: Natural England Reference: UK11068 Designation Date: Not Supplied</p>	I5NE (W)	0	5	456882 527317
5	<p>Sites of Special Scientific Interest</p> <p>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</p>	I5SW (W)	0	5	456695 527208
6	<p>Special Protection Areas</p> <p>Name: Teesmouth And Cleveland Coast Multiple Areas: Y Total Area (m2): 12515083.540000005 Source: Natural England Reference: UK9006061 Designation Date: Not Supplied</p>	I5NE (W)	0	5	456882 527317

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Hartlepool Borough Council - Neighbourhood Services Department Redcar and Cleveland Borough Council - Development Department	April 2013 September 2014	Annual Rolling Update 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 Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council - Environmental Health Department	April 2015 December 2014	Variable Variable
Local Authority Pollution Prevention and Controls Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council - Environmental Health Department	April 2015 December 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council - Environmental Health Department	April 2015 December 2014	Variable 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 Environment Agency - North East Region - North East Area	July 2019 July 2019	Quarterly 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 Environment Agency - North East Region - North East Area	July 2018 July 2018	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	July 2019 July 2019	Quarterly Quarterly
Local Authority Landfill Coverage Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council	May 2000 May 2000	Not Applicable 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 Environment Agency - North East Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	March 2003 March 2003	Not Applicable 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 Hartlepool Borough Council	April 2016 January 2016	Variable Variable
Planning Hazardous Substance Consents Redcar and Cleveland Borough Council - Planning Department Hartlepool Borough Council	April 2016 January 2016	Variable 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
CBCSB Compensation District Cheshire Brine Subsidence Compensation Board (CBCSB)	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

A selection of organisations who provide data within this report


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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: [REDACTED] 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: [REDACTED] Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: [REDACTED]
4	Redcar and Cleveland Borough Council Town Hall, Fabian Road, South Bank, Middlesbrough, Cleveland, TS6 9AR	Telephone: [REDACTED] Website: www.redcar-cleveland.gov.uk
5	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: [REDACTED] 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: [REDACTED] Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: [REDACTED] 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 and Silt	Not Supplied - Holocene
	TFD	Tidal Flat Deposits	Sand, Silt and Clay	Not Supplied - Holocene
	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
	STA	Staithe Sandstone Formation	Sandstone	Not Supplied - Pliensbachian
	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
		Faults		



Geology 1:50,000 Maps

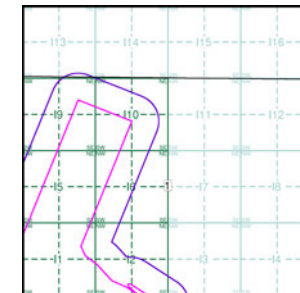
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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:	034
Map Name:	Guisborough
Map Date:	1998
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice I



Order Details:

Order Number:	218629437_1_1
Customer Reference:	60559231/Teesside Clean Gas
National Grid Reference:	457060, 527250
Slice:	1
Site Area (Ha):	1523.9
Search Buffer (m):	250

Site Details:

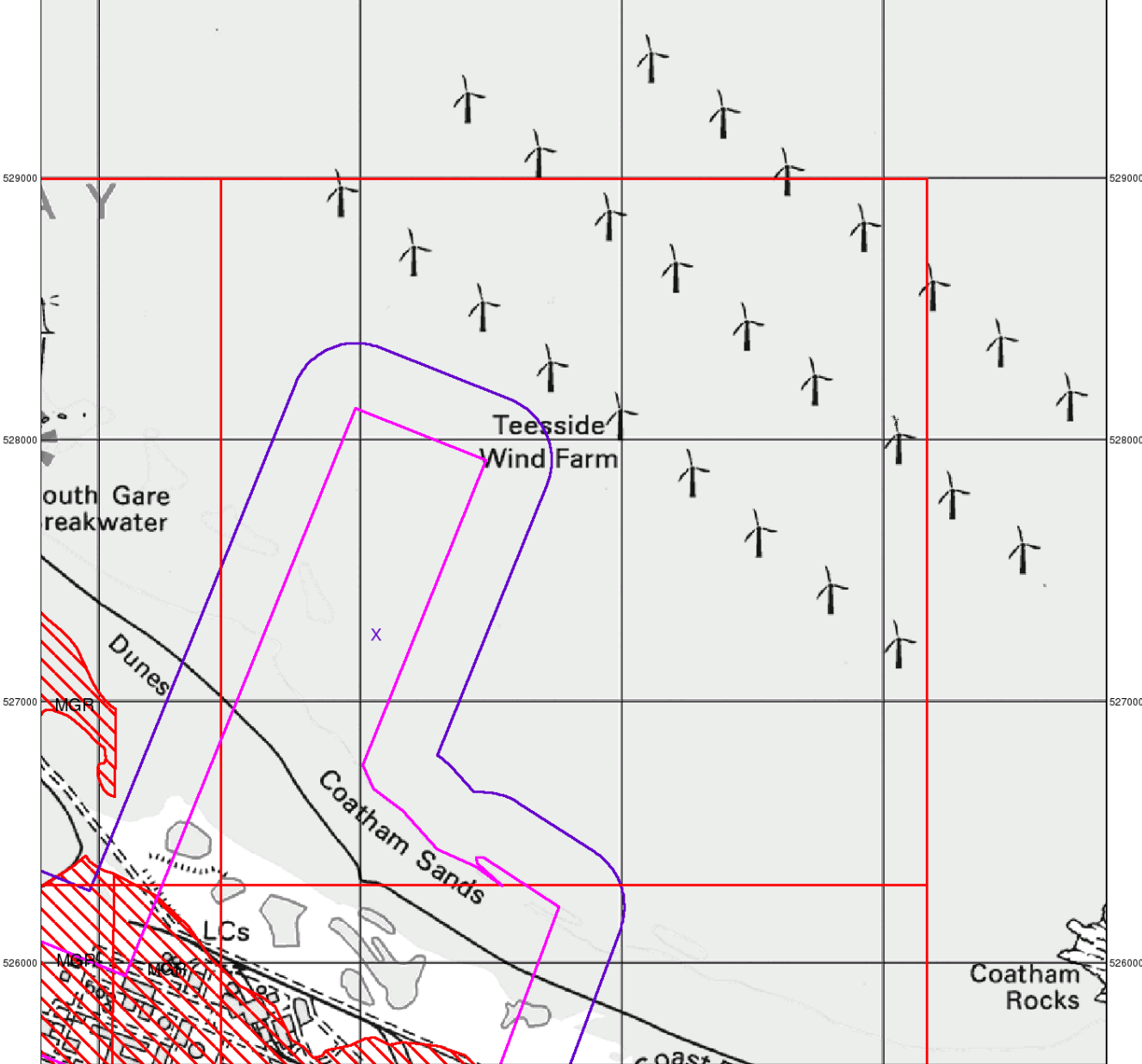
Teesside Clean Gas Project 2 of 2

Landmark
INFORMATION GROUP

Tel:
Fax:
Web:



456000 457000 458000 459000



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Artificial Ground and Landslip

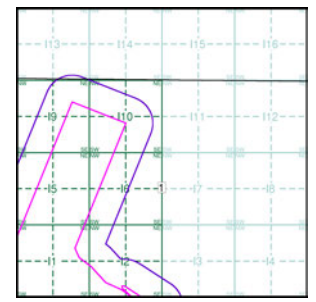
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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



Order Details:

Order Number: 218629437_1_1
 Customer Reference: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

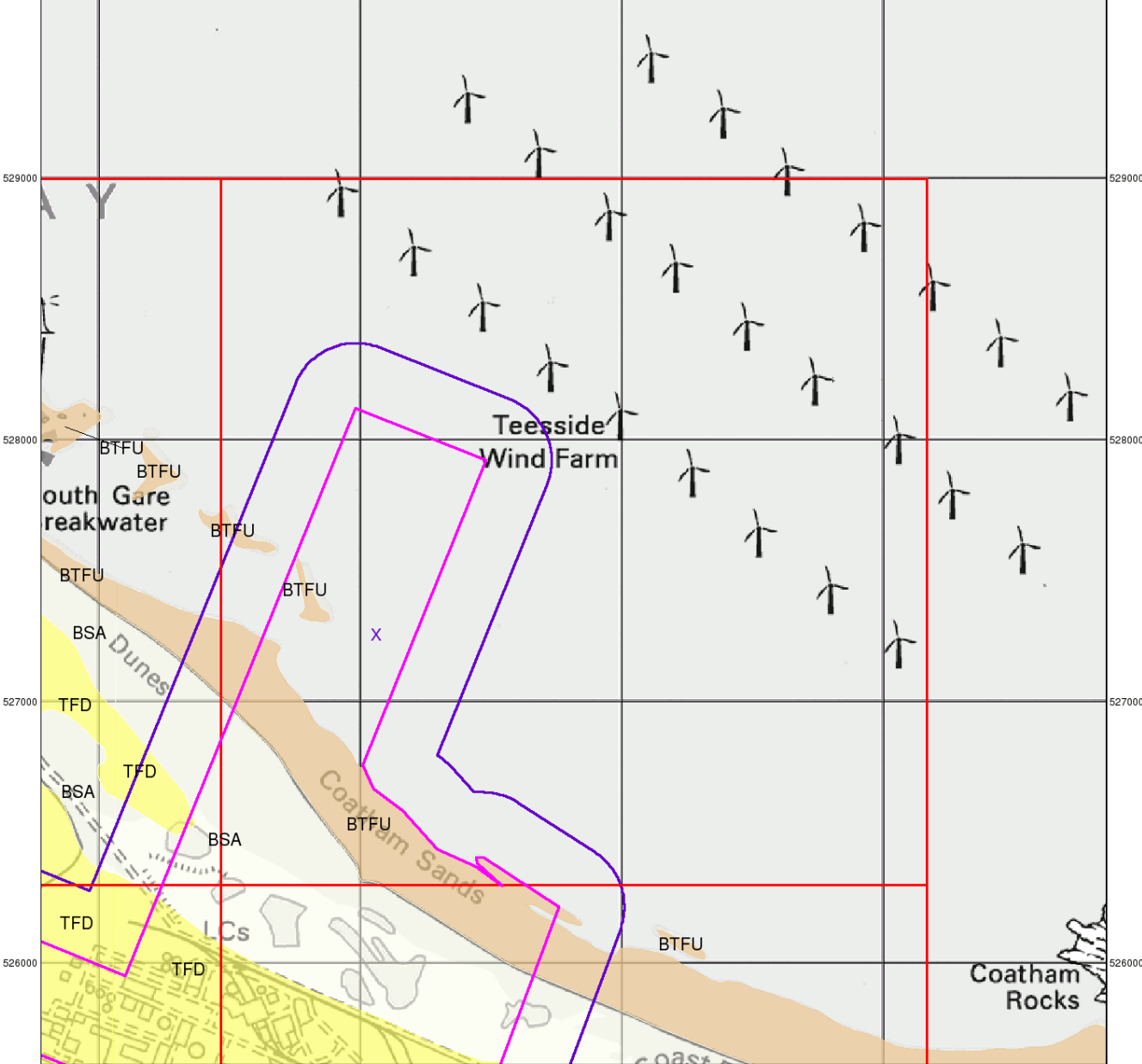
Site Details:

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
 Fax: [Redacted]
 Web: [Redacted]

456000 457000 458000 459000



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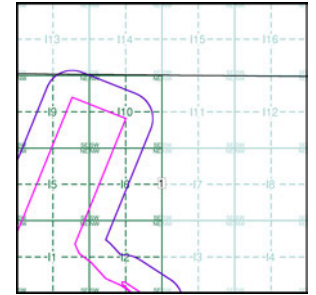
Superficial Geology

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 I



Order Details:

Order Number: 218629437_1_1
 Customer Reference: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: 1
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

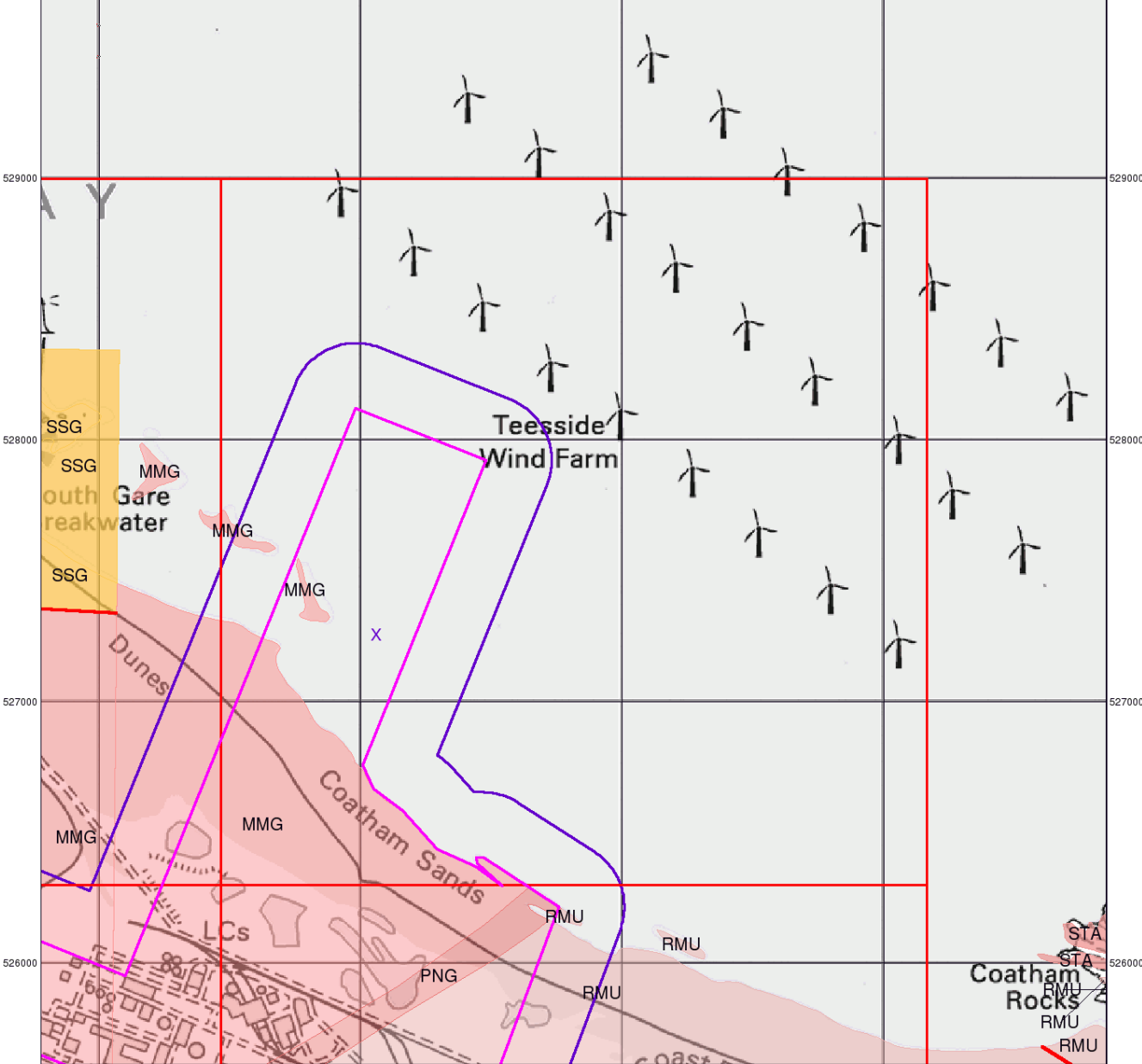
Site Details:

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
 Fax: [Redacted]
 Web: [Redacted]

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Bedrock and Faults

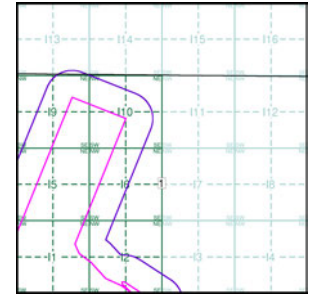
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 I



Order Details:

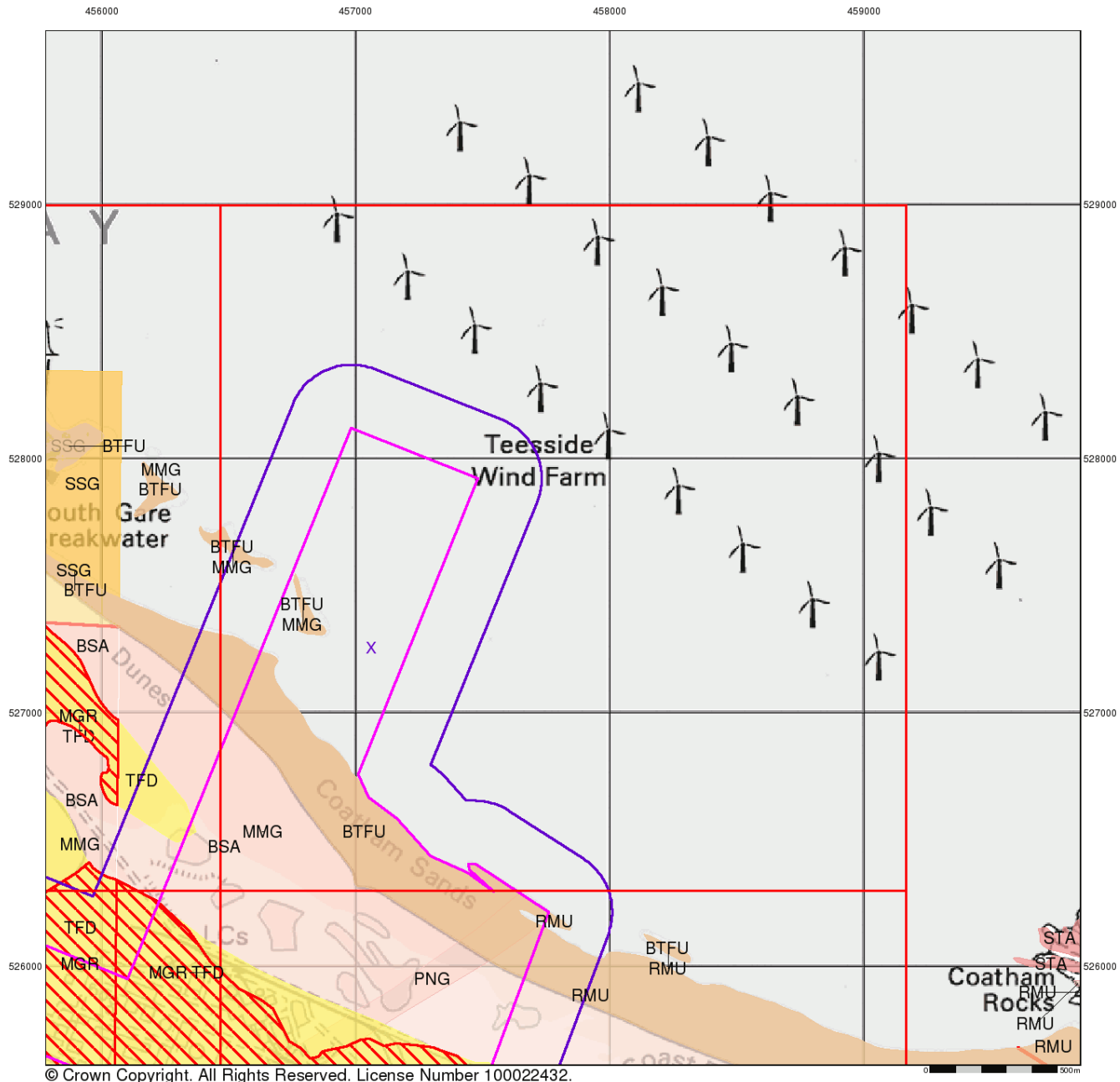
Order Number: 218629437_1_1
 Customer Reference: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details:

Teesside Clean Gas Project 2 of 2



Tel:
 Fax:
 Web:



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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

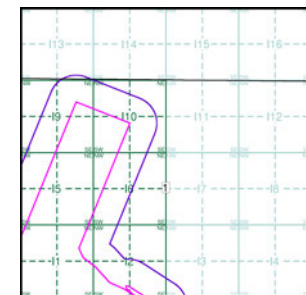
More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following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

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: [REDACTED]

email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice I



Order Details:

Order Number: 218629437_1_1
Customer Reference: 60559231/Teesside Clean Gas
National Grid Reference: 457060, 527250
Slice: I
Site Area (Ha): 1523.9
Search Buffer (m): 250

Site Details:

Teesside Clean Gas Project 2 of 2



Tel: [REDACTED]
Fax: [REDACTED]
Web: [REDACTED]



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 Enforcement
- Local Authority Recorded Landfill Site
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- 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

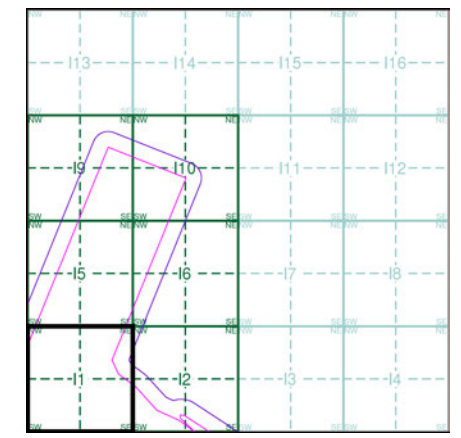
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment I1



Order Details

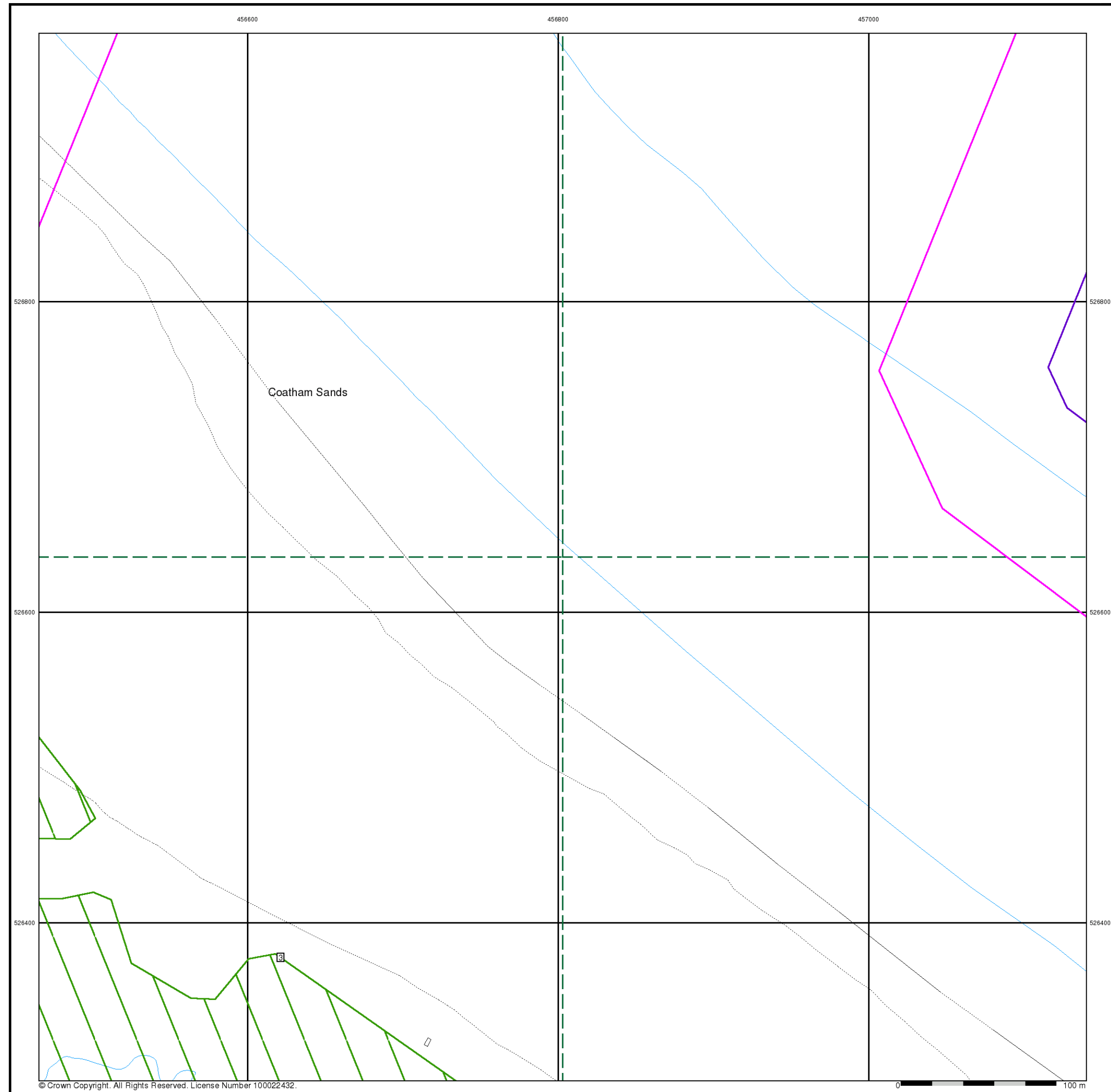
Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: 1
 Site Area (Ha): 1523.9
 Plot Buffer (m): 100

Site Details

Teesside Clean Gas Project 2 of 2



Tel:
Fax:
Web:





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 Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- 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

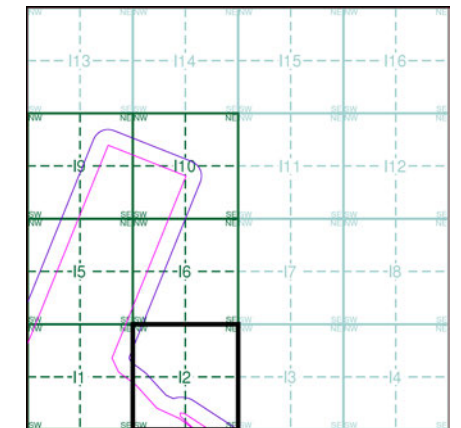
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment I2



Order Details

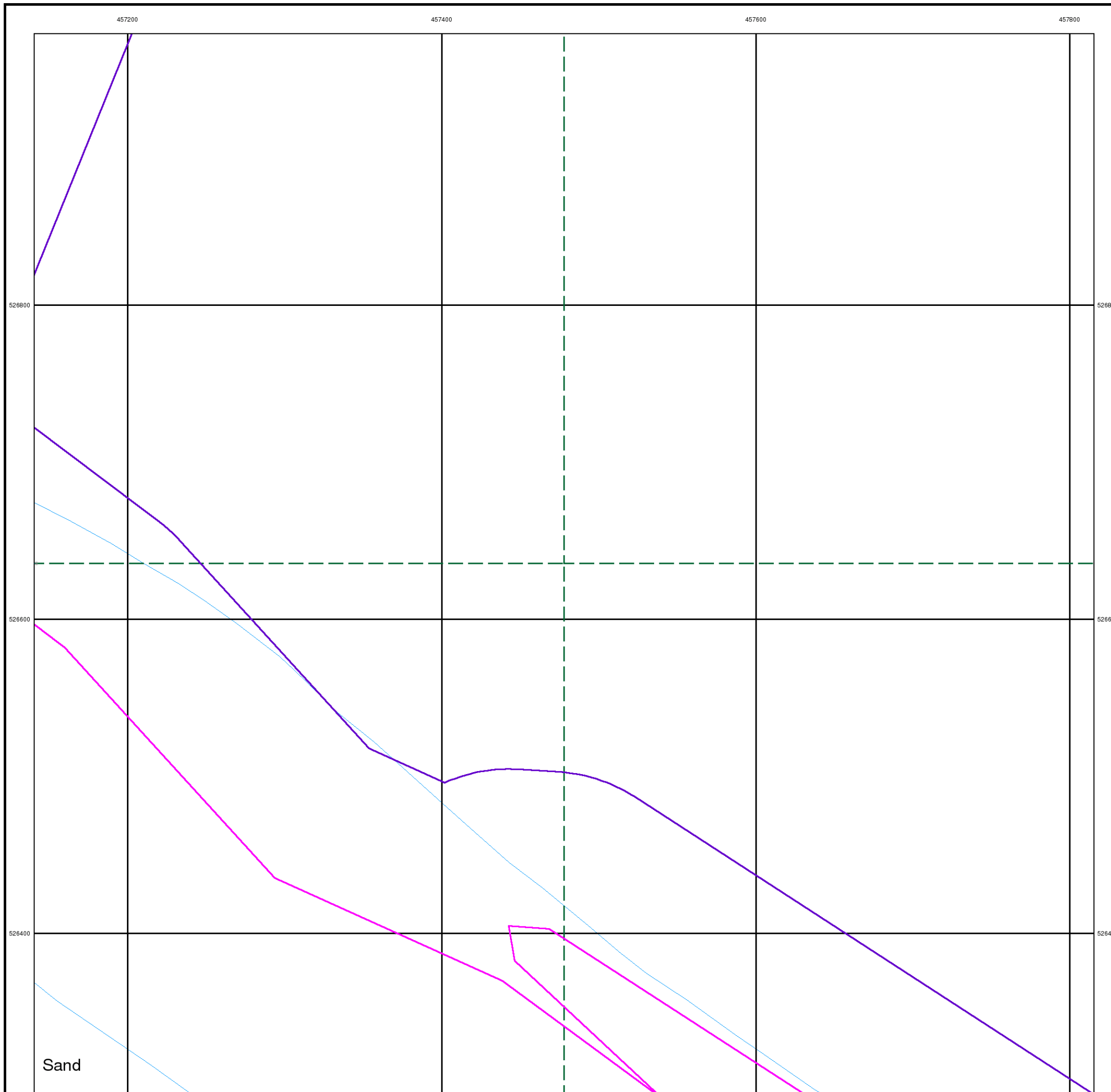
Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: 1
 Site Area (Ha): 1523.9
 Plot Buffer (m): 100

Site Details

Teesside Clean Gas Project 2 of 2



Tel:
Fax:
Web:



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 Enforcement
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- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
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- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

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- BGS Recorded Landfill Site
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- Potentially Infilled Land (Water)
- Registered Landfill Site
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- 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

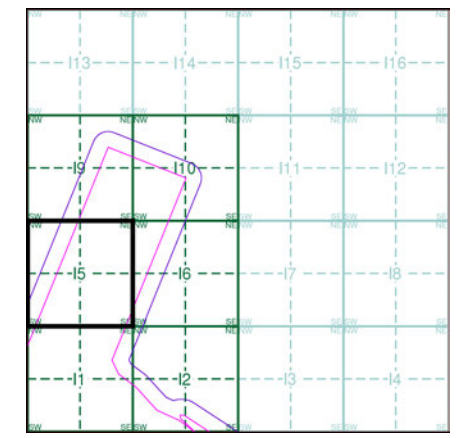
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment I5

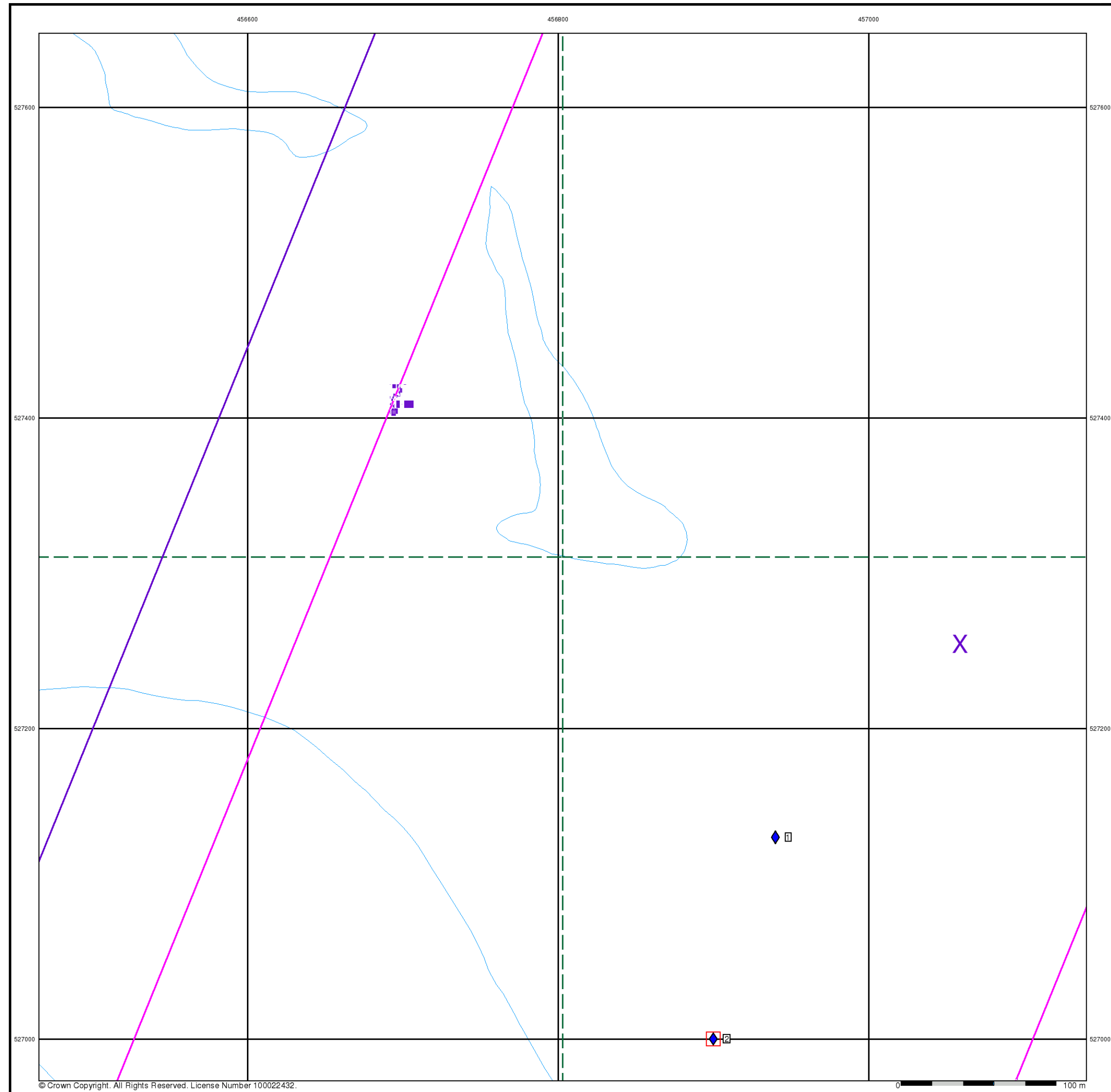


Order Details

Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: 1
 Site Area (Ha): 1523.9
 Plot Buffer (m): 100

Site Details

Teesside Clean Gas Project 2 of 2





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
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- Local Authority Pollution Prevention and Control Enforcement
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- Substantiated Pollution Incident Register
- Water Abstraction
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Waste

- BGS Recorded Landfill Site (Location)
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- Potentially Infilled Land (Water)
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- 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

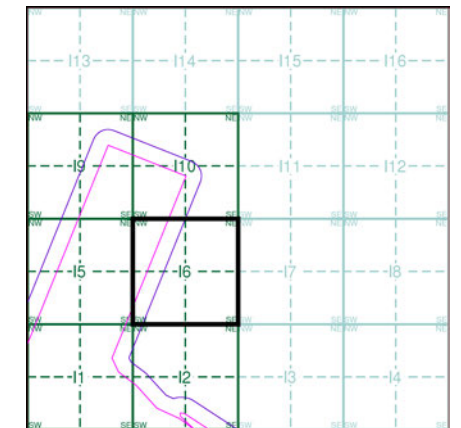
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment I6



Order Details

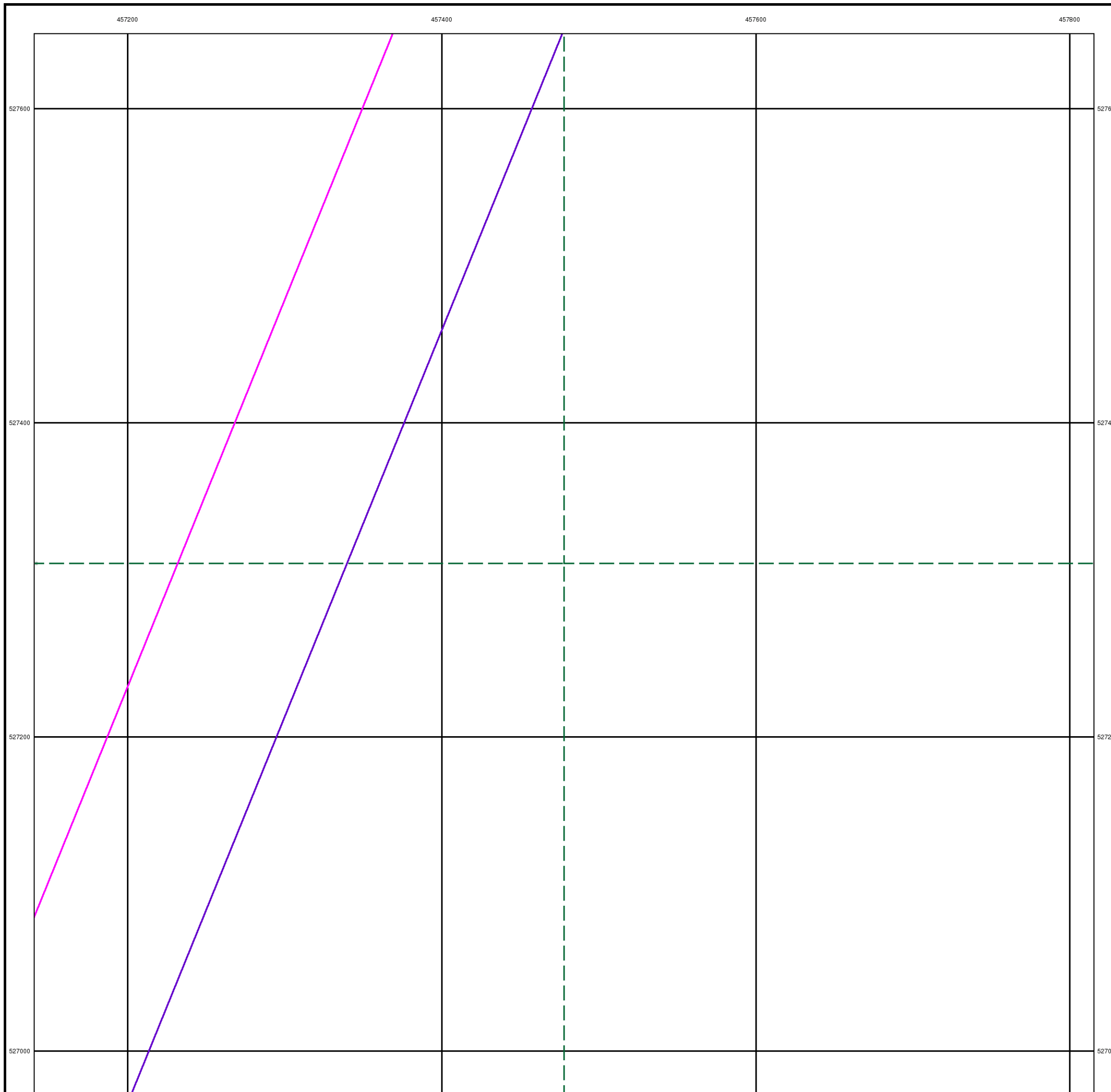
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 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: 1
 Site Area (Ha): 1523.9
 Plot Buffer (m): 100

Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
 Fax: [Redacted]
 Web: [Redacted].uk





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
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- Integrated Pollution Control
- Integrated Pollution Prevention Control
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- Local Authority Pollution Prevention and Control Enforcement
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- Prosecution Relating to Controlled Waters
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- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

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- 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

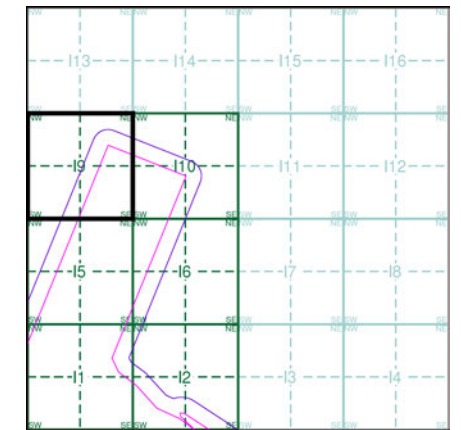
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment I9



Order Details

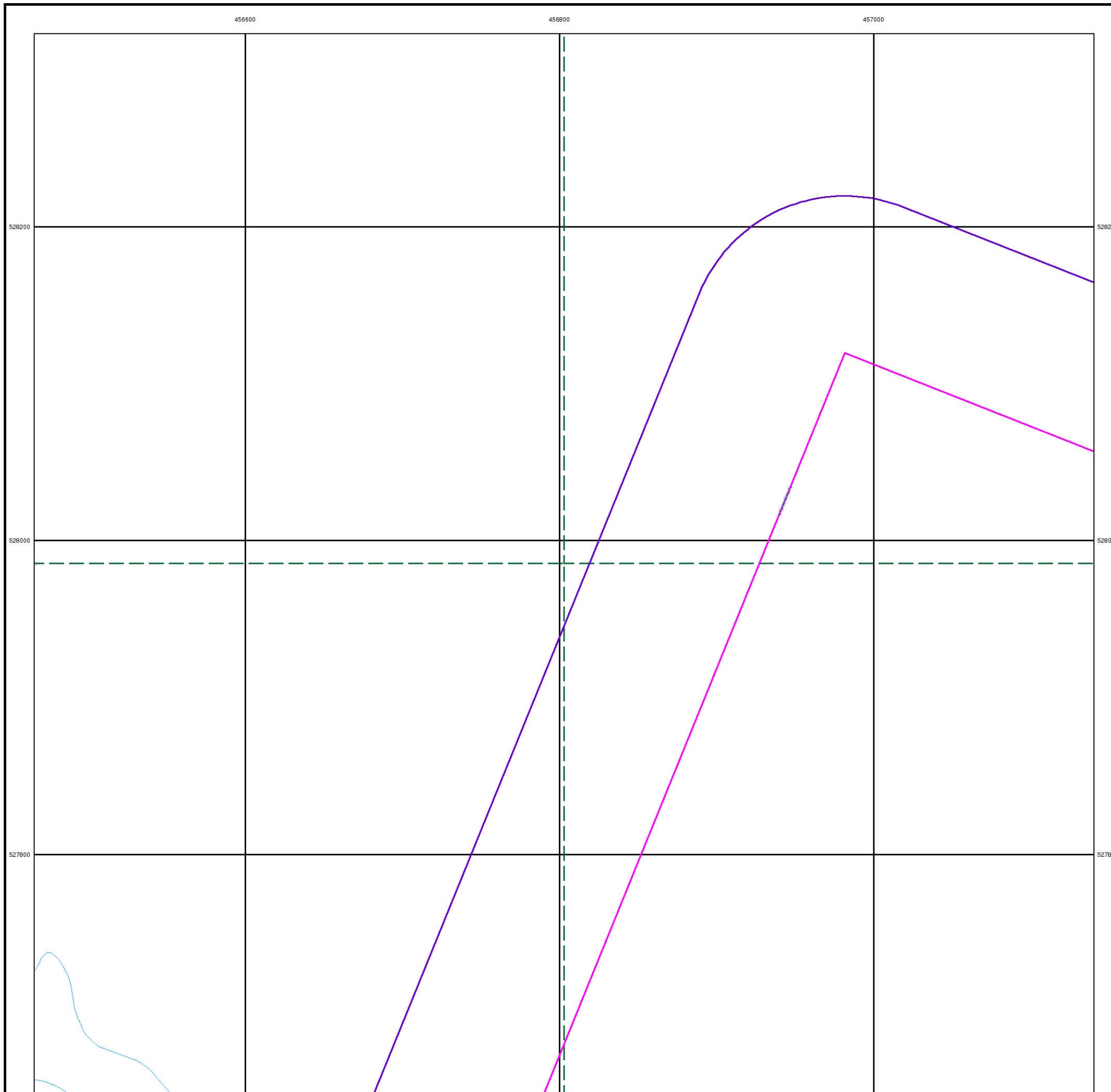
Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: 1
 Site Area (Ha): 1523.9
 Plot Buffer (m): 100

Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
 Fax: [Redacted]
 Web: [Redacted].co.uk





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 Enforcement
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- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

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- Potentially Infilled Land (Water)
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- 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

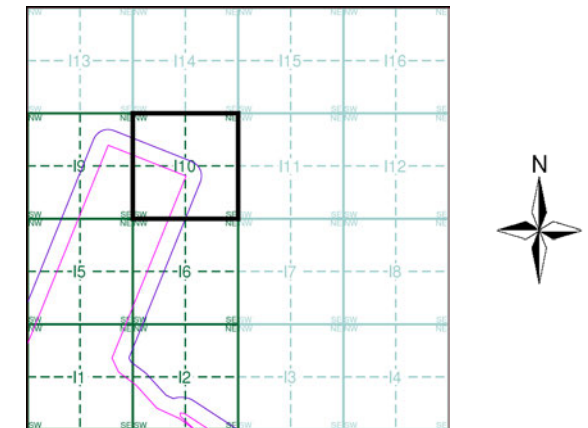
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment I10



Order Details

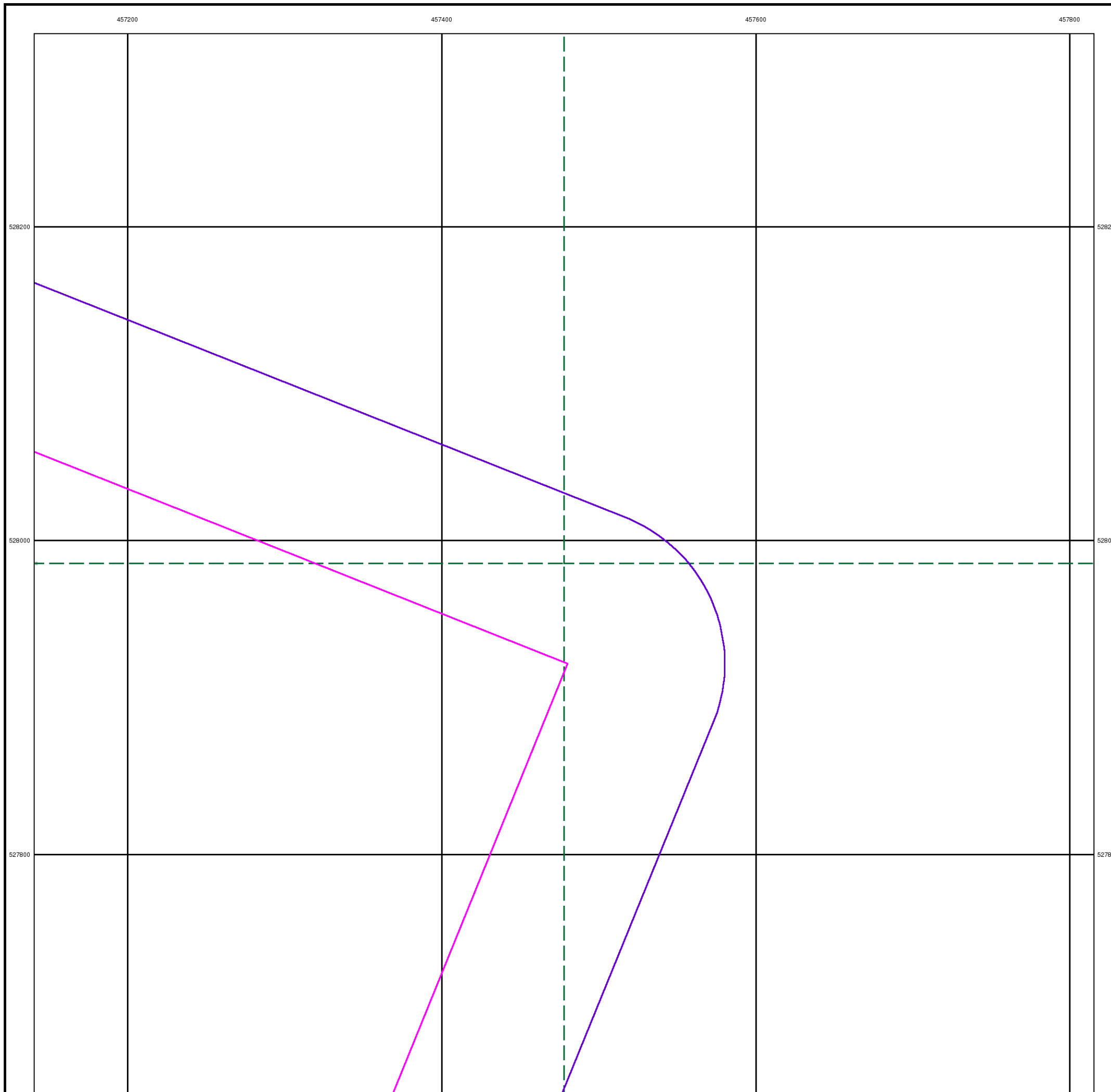
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Customer Ref: 60559231/Teesside Clean Gas
National Grid Reference: 457060, 527250
Slice: 1
Site Area (Ha): 1523.9
Plot Buffer (m): 100

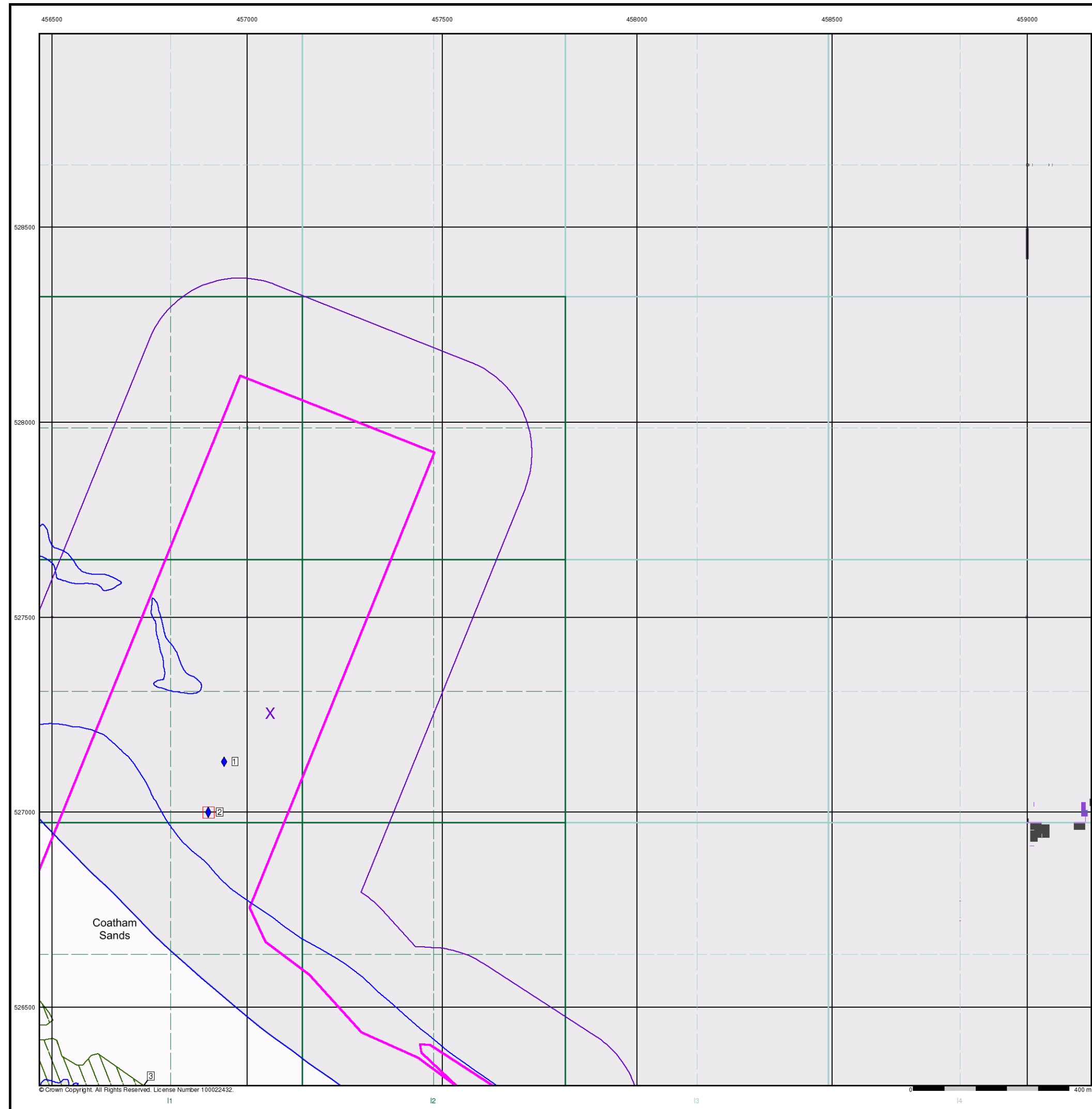
Site Details

Teesside Clean Gas Project 2 of 2



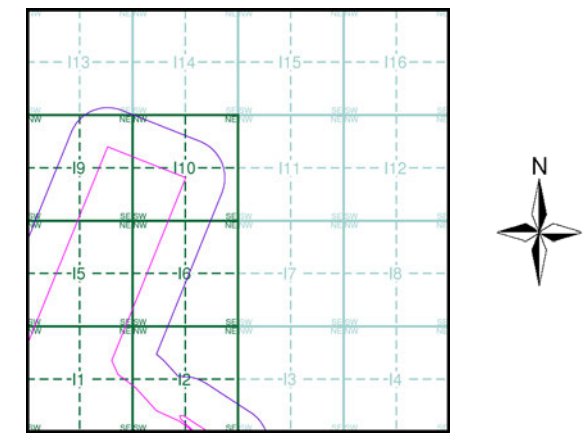
Tel: [Redacted]
Fax: [Redacted]
Web: [Redacted].co.uk





- 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)
 - 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
 - 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)
 - 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 I



Order Details

Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details
 Teesside Clean Gas Project 2 of 2

456500 457000 457500 458000 458500 459000



Industrial Land Use Map

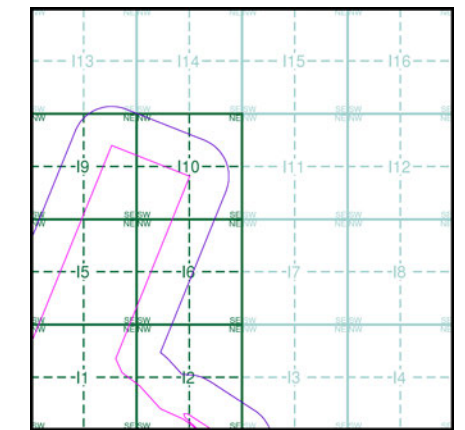
General

- 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 I



Order Details

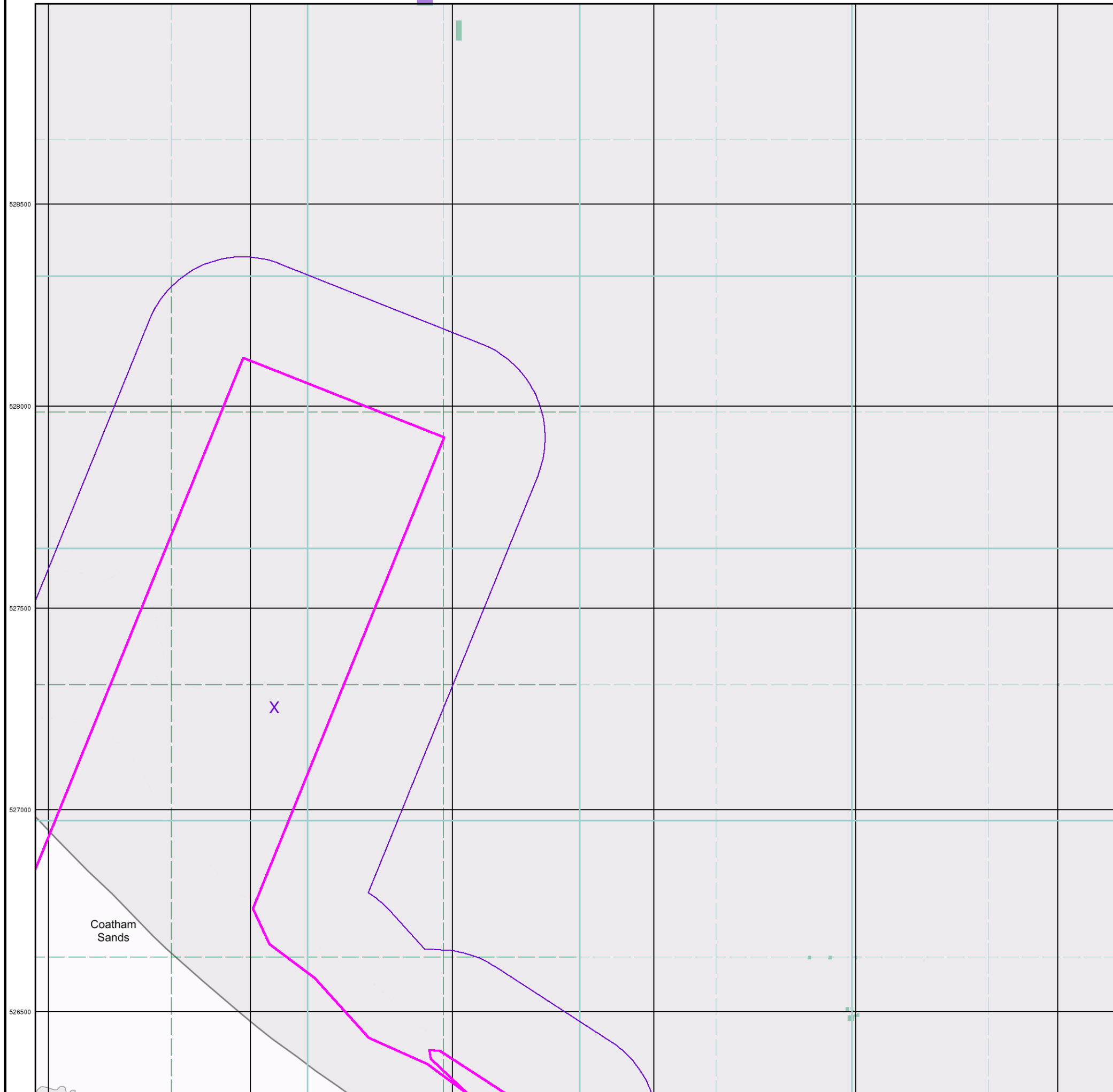
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 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details




Teesside Clean Gas Project 2 of 2








Tel: [Redacted]
 Fax: [Redacted]
 Web: www.environmental.co.uk



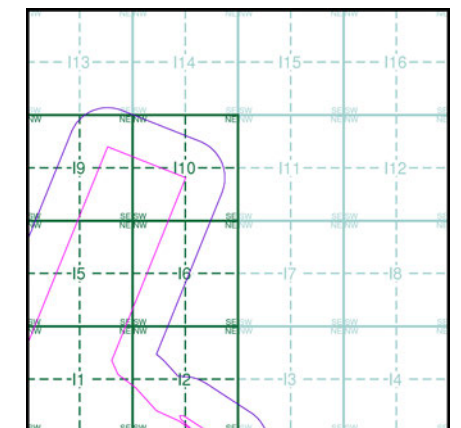
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice I

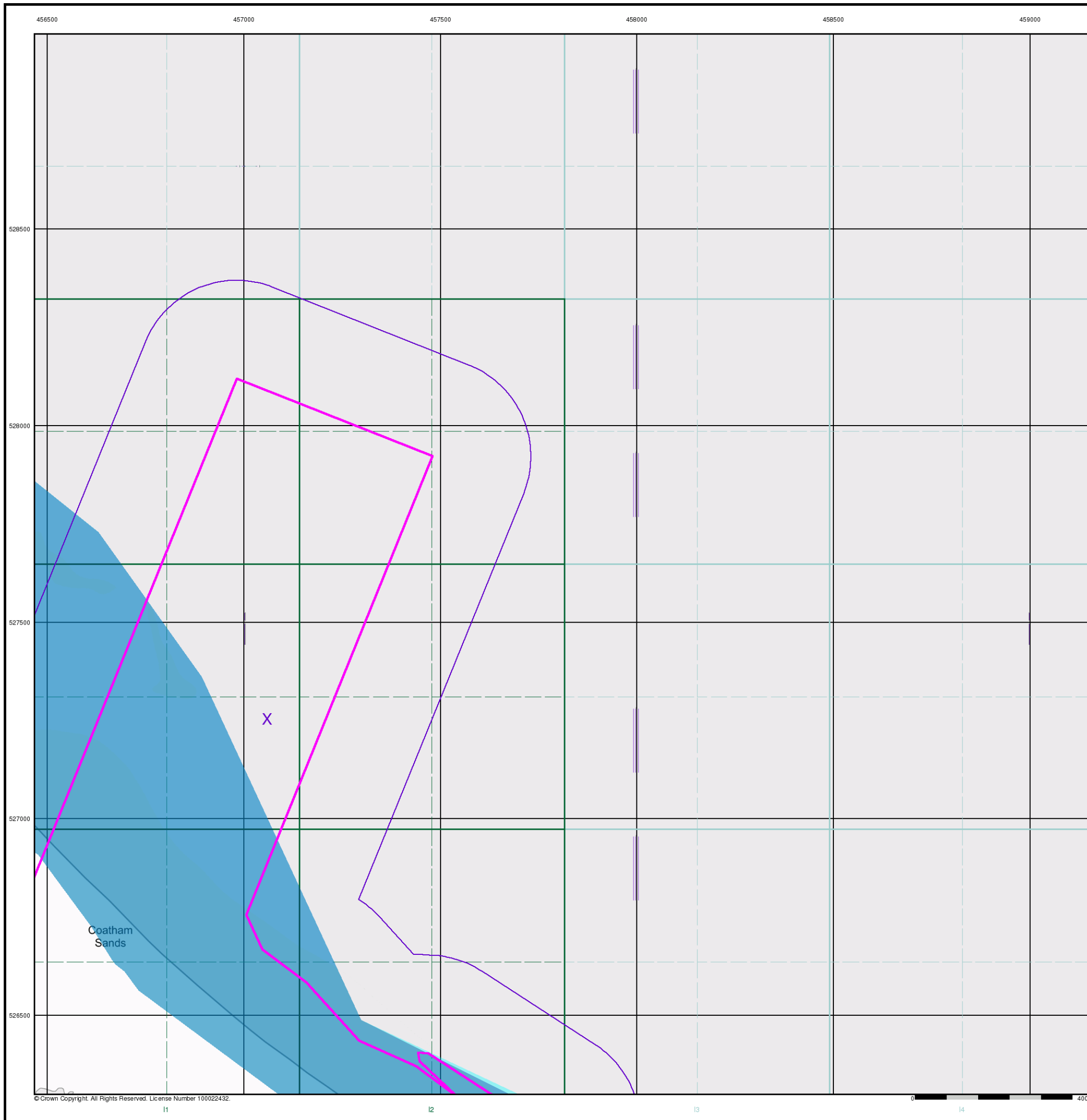


Order Details

Order Number: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



456500 457000 457500 458000 458500 459000



General

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

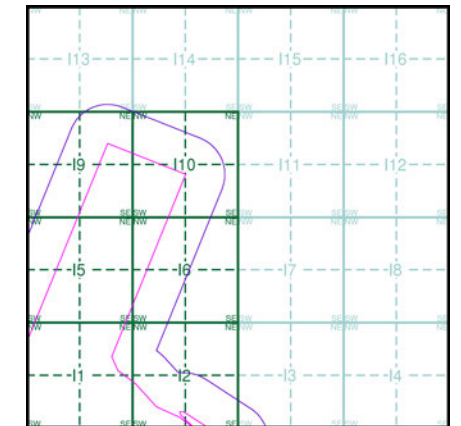
Agency and Hydrological (Boreholes)

- 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 I



Order Details

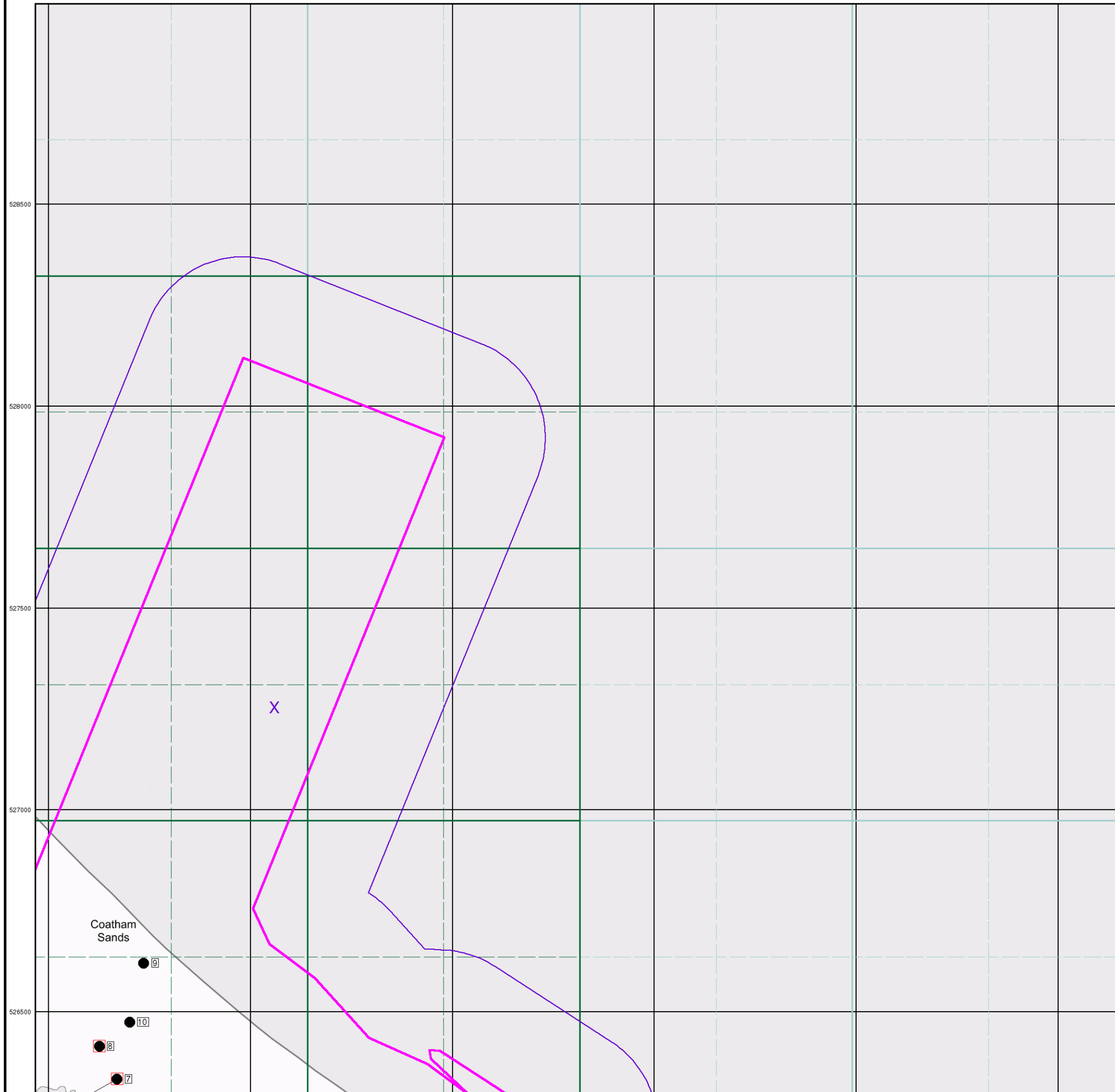
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 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
 Fax: [Redacted]
 Web: www.envirocheck.co.uk



456500 457000 457500 458000 458500 459000



General

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

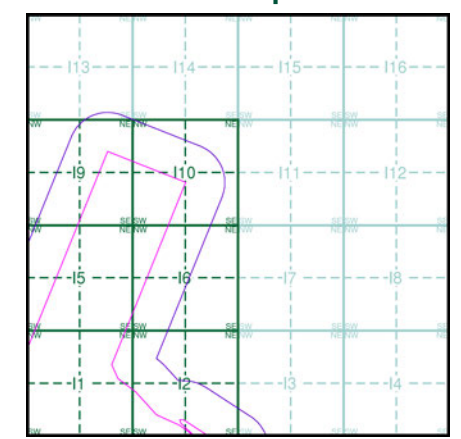
OS Water Network Data

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

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour MLW MHW
- Spot Height 167.3

OS Water Network Map - Slice I



Order Details

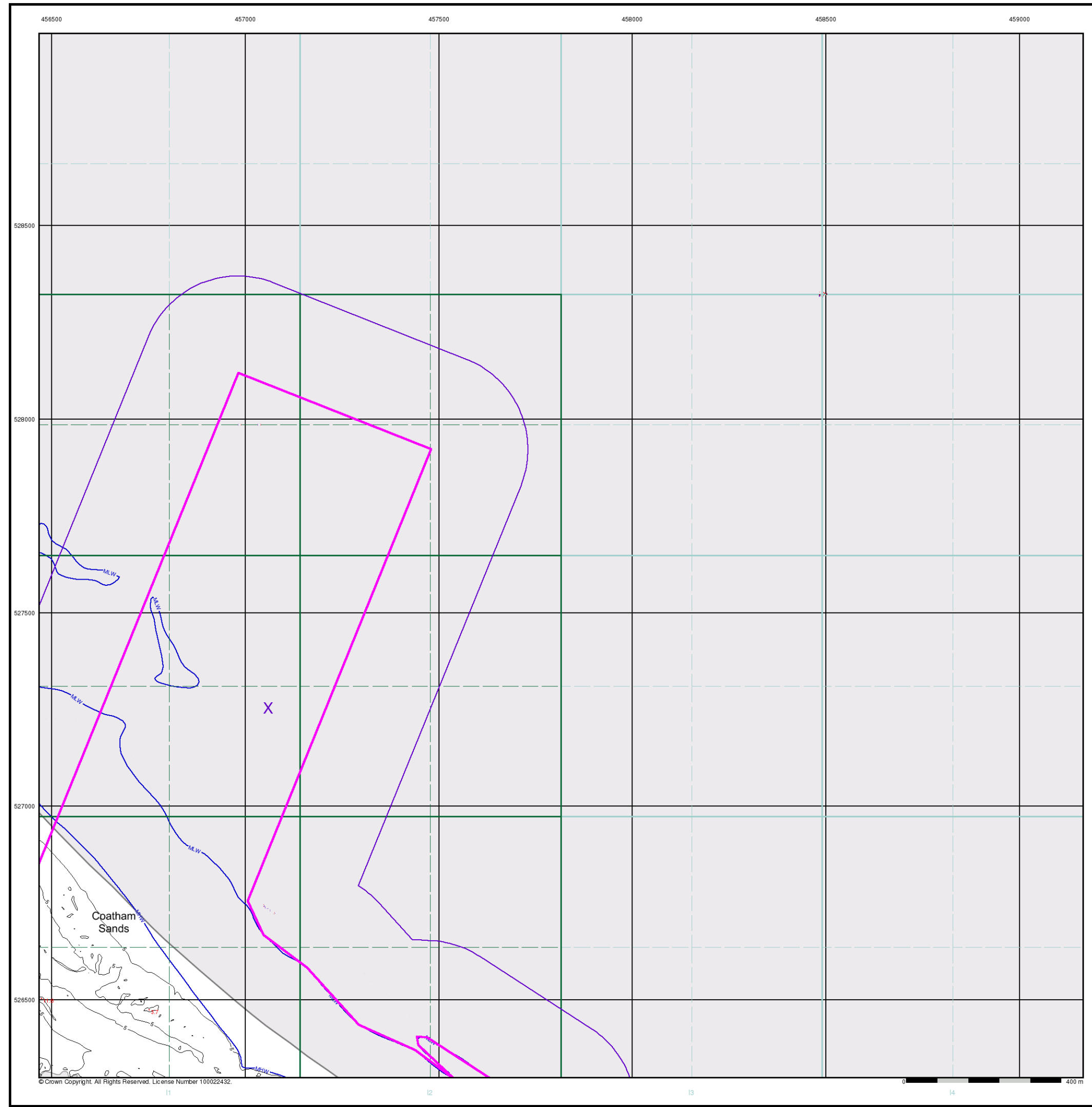
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 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
 Fax: [Redacted]
 Web: www.environmental.co.uk





General

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

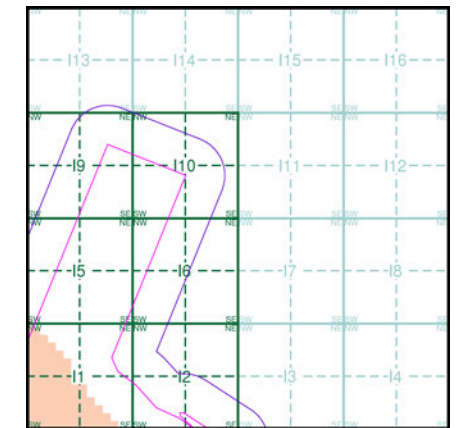
Risk of Flooding from Surface Water

- 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

EANRW Suitability Map - Slice I



Order Details

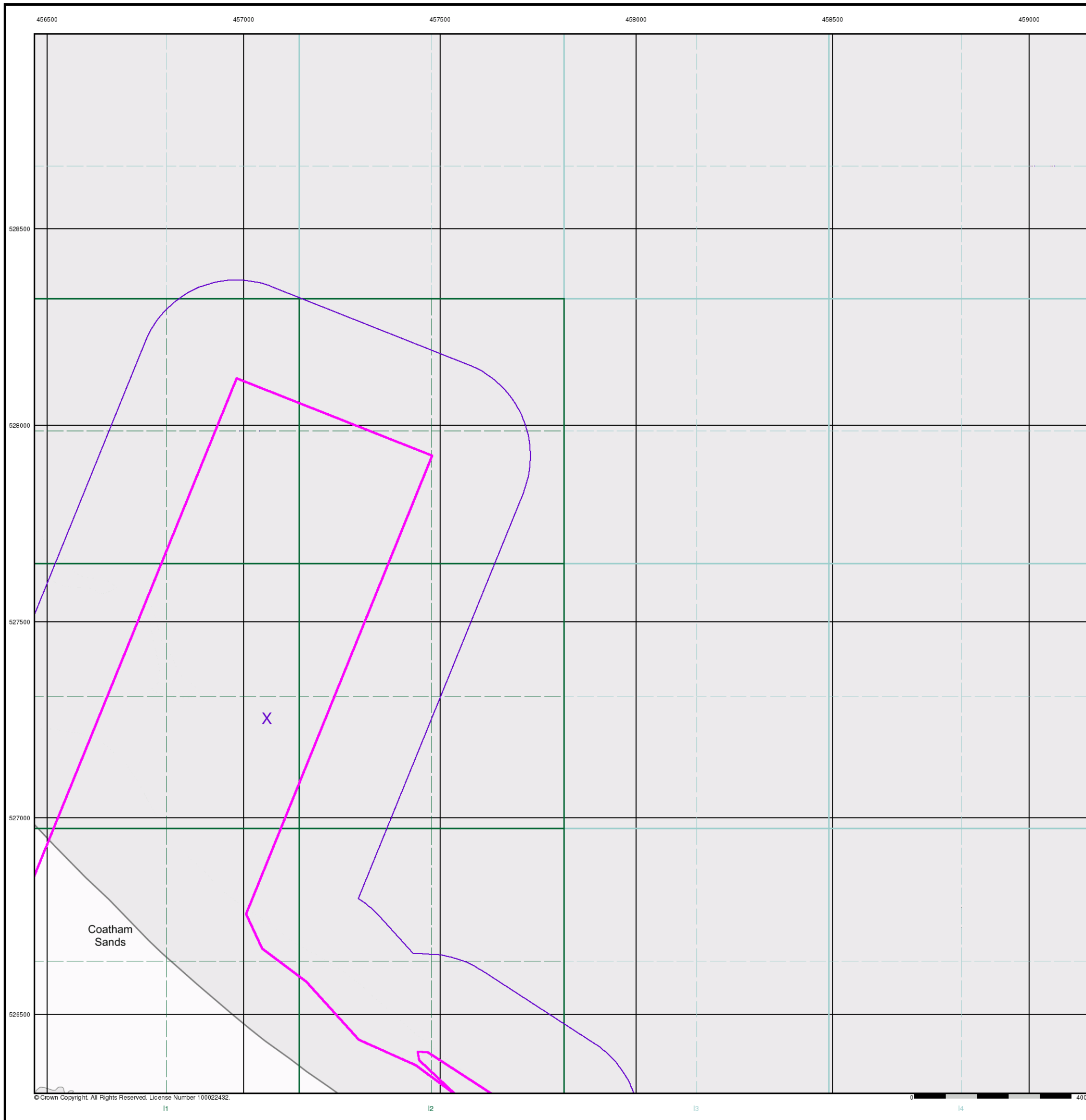
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 National Grid Reference: 457060, 527250
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Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
 Fax: [Redacted]
 Web: www.environmental.co.uk



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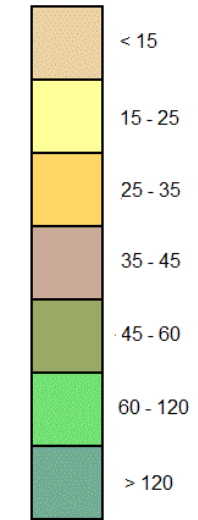


General

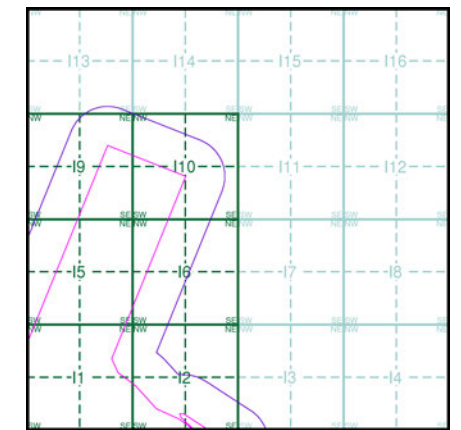
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice I



Order Details

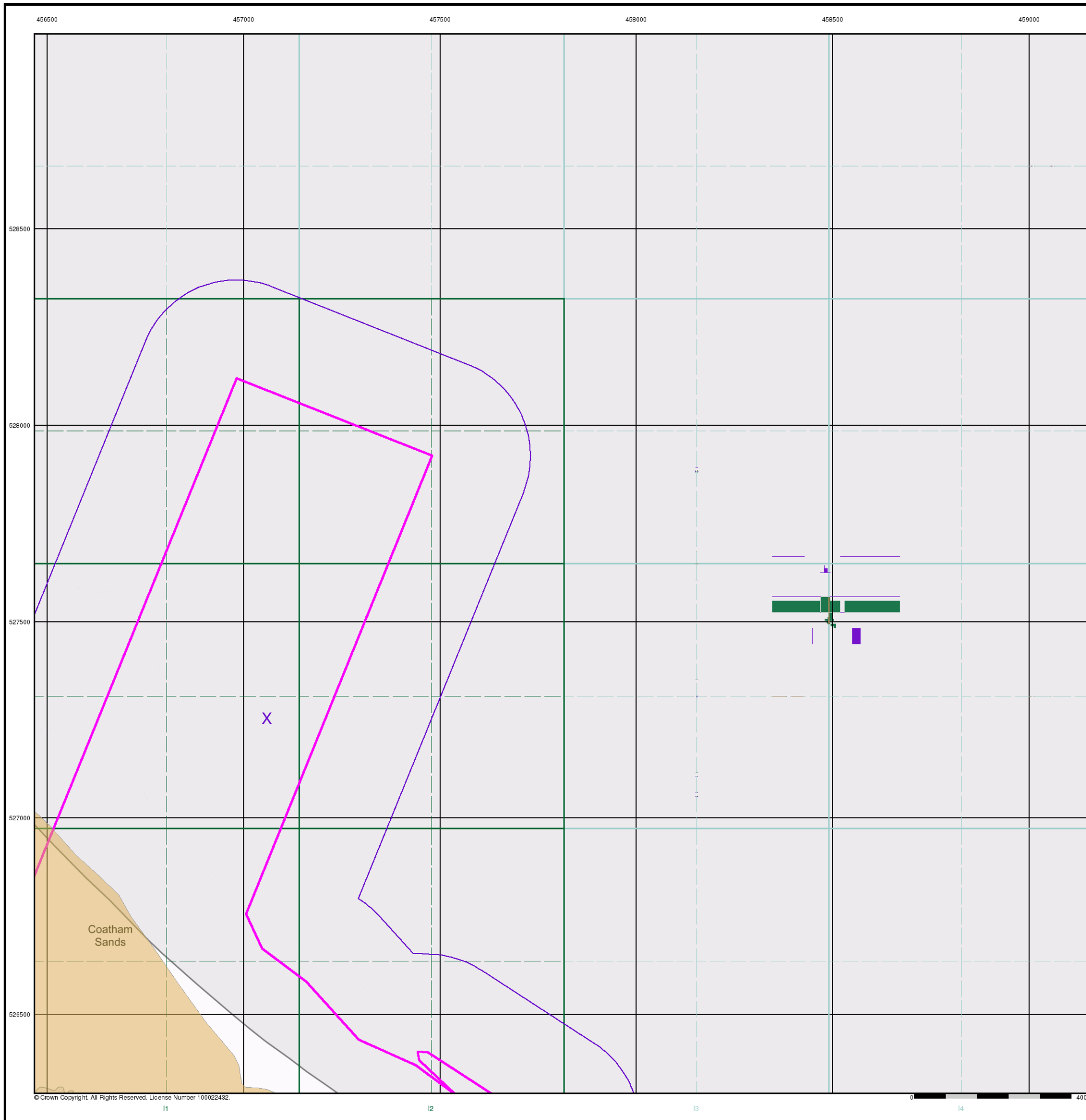
Order Details: 218629437_1_1
Customer Ref: 60559231/Teesside Clean Gas
National Grid Reference: 457060, 527250
Slice: I
Site Area (Ha): 1523.9
Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
Fax: [Redacted]
Web: [Redacted].co.uk

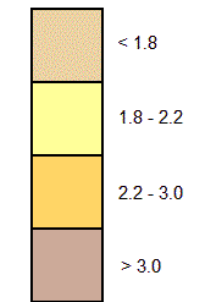


General

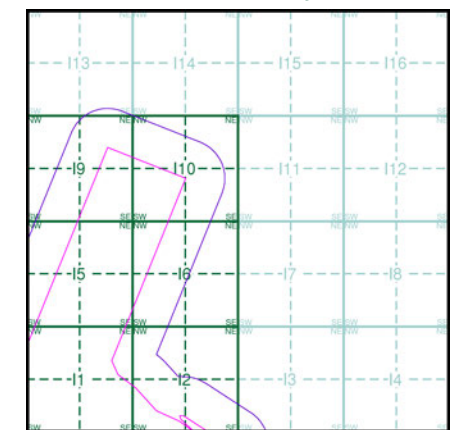
⬡ Specified Site
 ⬡ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice I

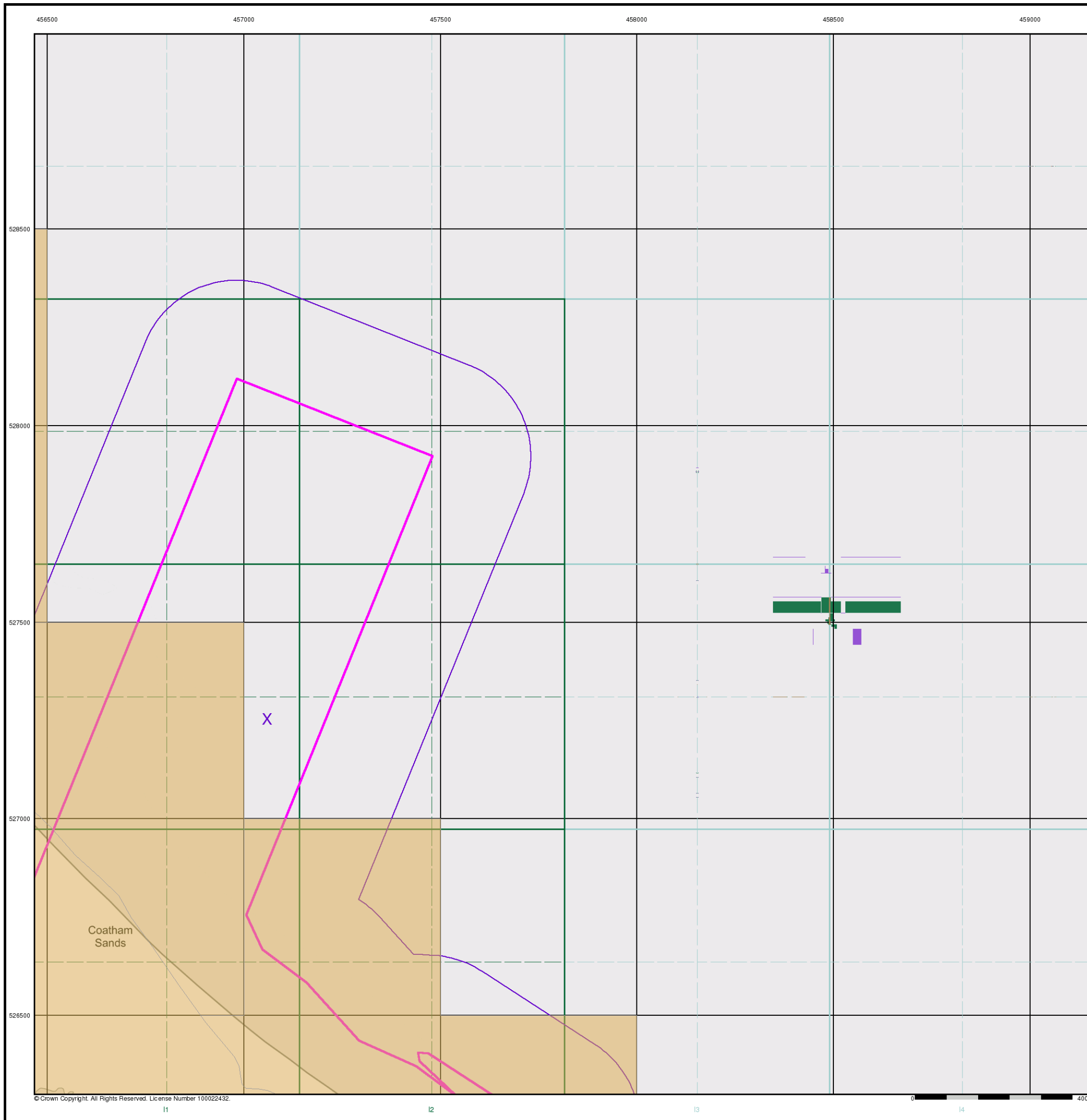


Order Details

Order Details: 218629437_1_1
 Customer Ref: 60559231/Teesside Clean Gas
 National Grid Reference: 457060, 527250
 Slice: I
 Site Area (Ha): 1523.9
 Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



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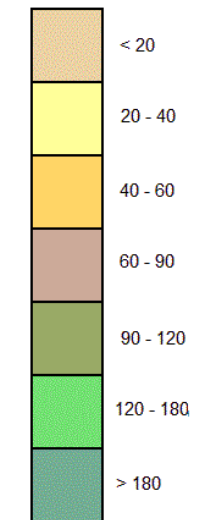


General

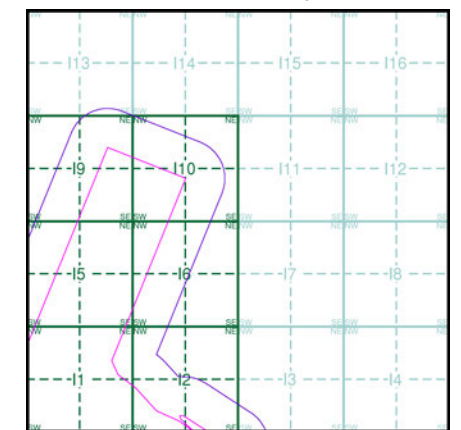
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice I



Order Details

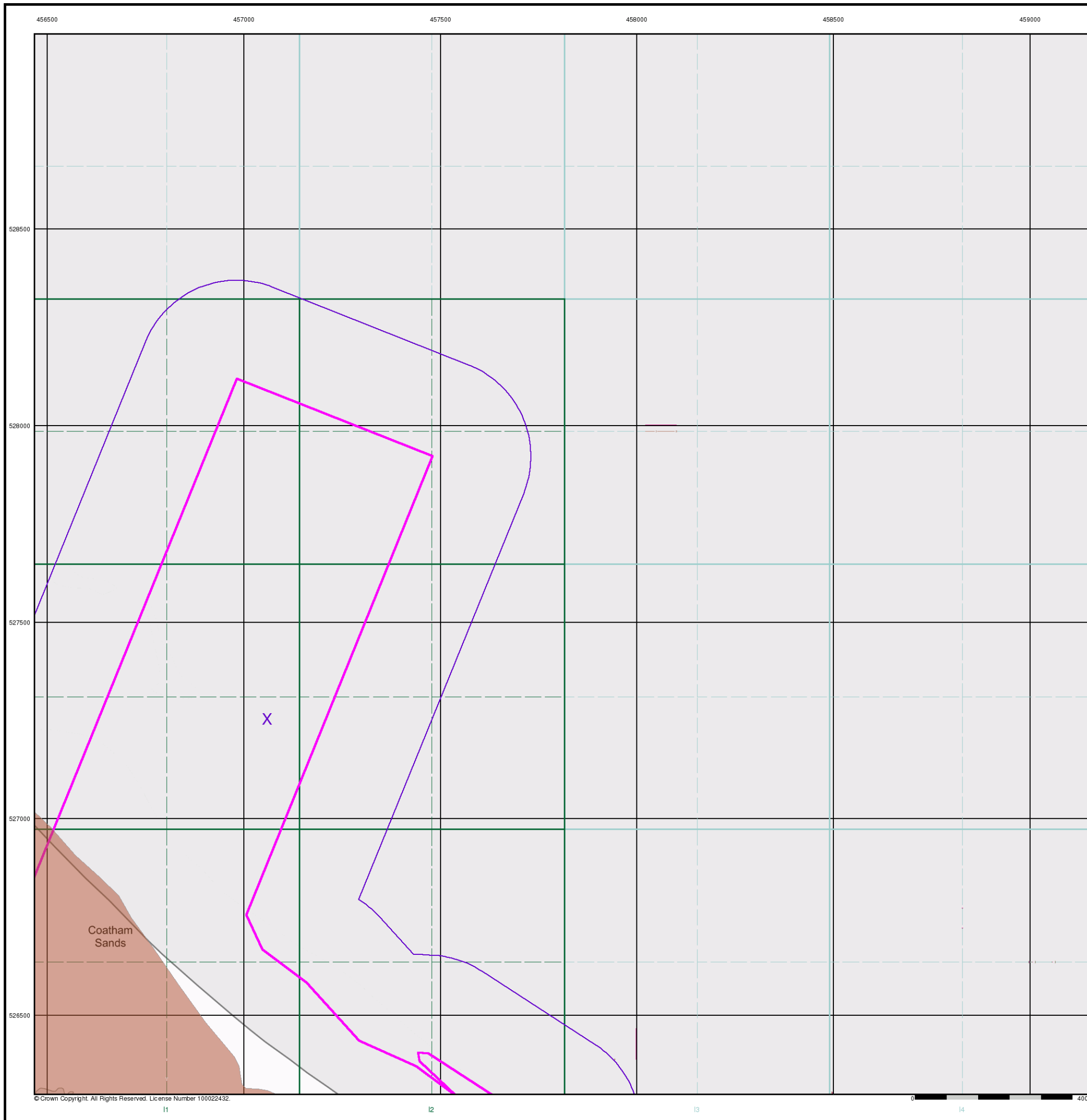
Order Details: 218629437_1_1
Customer Ref: 60559231/Teesside Clean Gas
National Grid Reference: 457060, 527250
Slice: I
Site Area (Ha): 1523.9
Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
Fax: [Redacted]
Web: www.environmental.co.uk



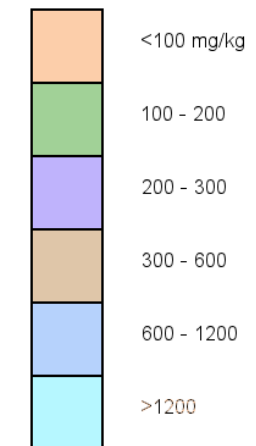


General

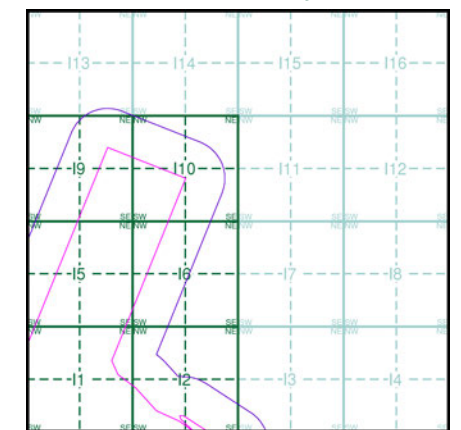
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice I



Order Details

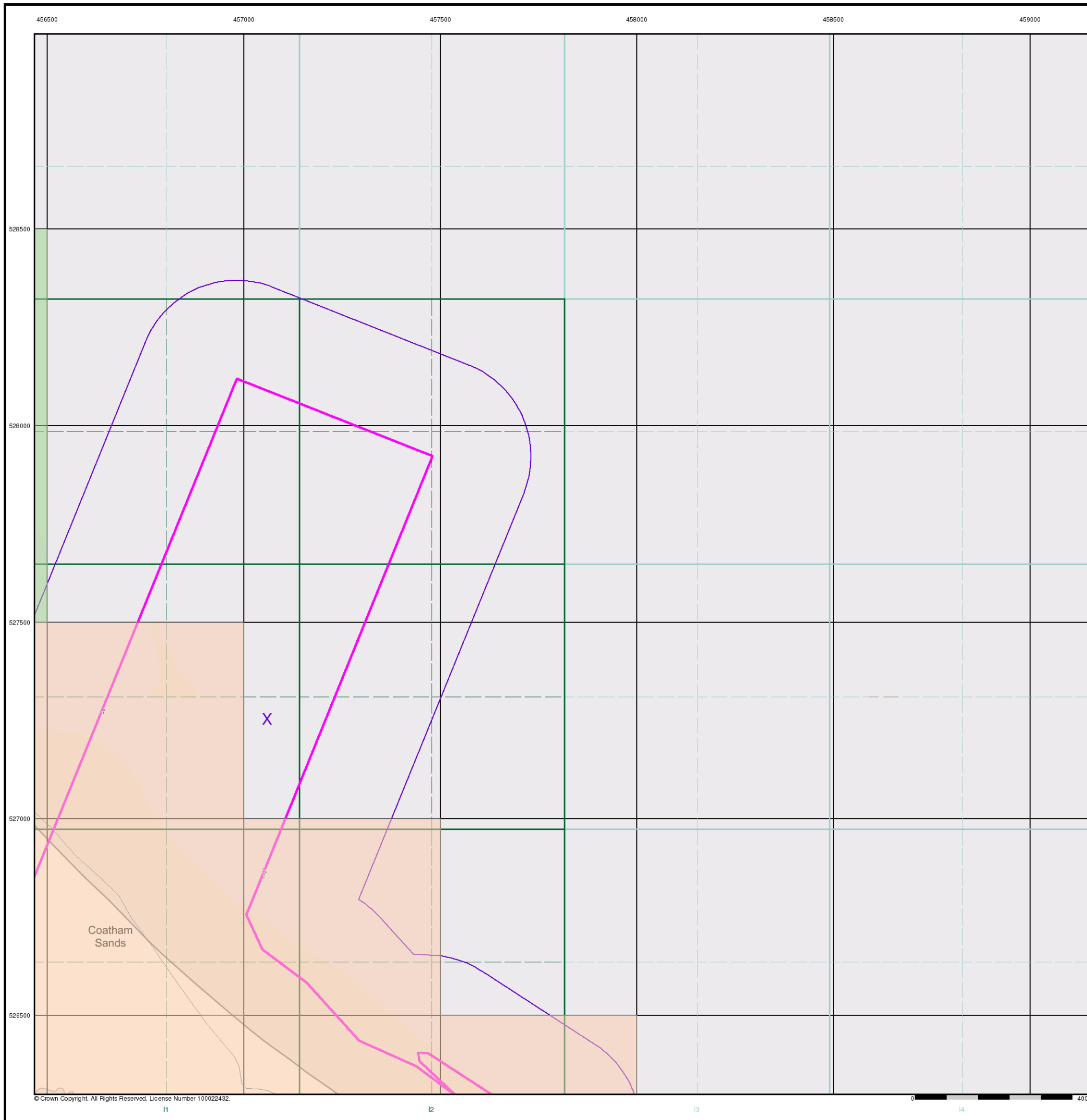
Order Details: 218629437_1_1
Customer Ref: 60559231/Teesside Clean Gas
National Grid Reference: 457060, 527250
Slice: I
Site Area (Ha): 1523.9
Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
Fax: [Redacted]
Web: www.environmental.co.uk



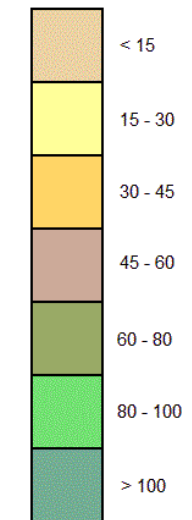


General

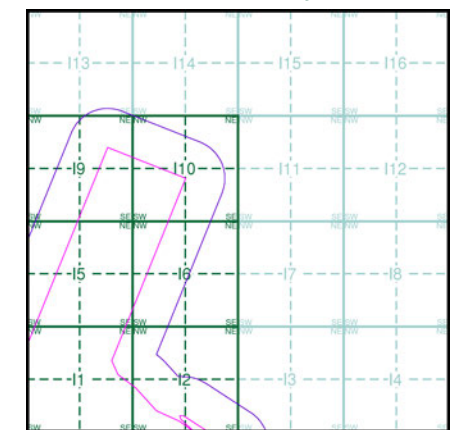
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice I



Order Details

Order Details: 218629437_1_1
Customer Ref: 60559231/Teesside Clean Gas
National Grid Reference: 457060, 527250
Slice: I
Site Area (Ha): 1523.9
Search Buffer (m): 250

Site Details

Teesside Clean Gas Project 2 of 2



Tel: [Redacted]
Fax: [Redacted]
Web: www.environmental.co.uk

