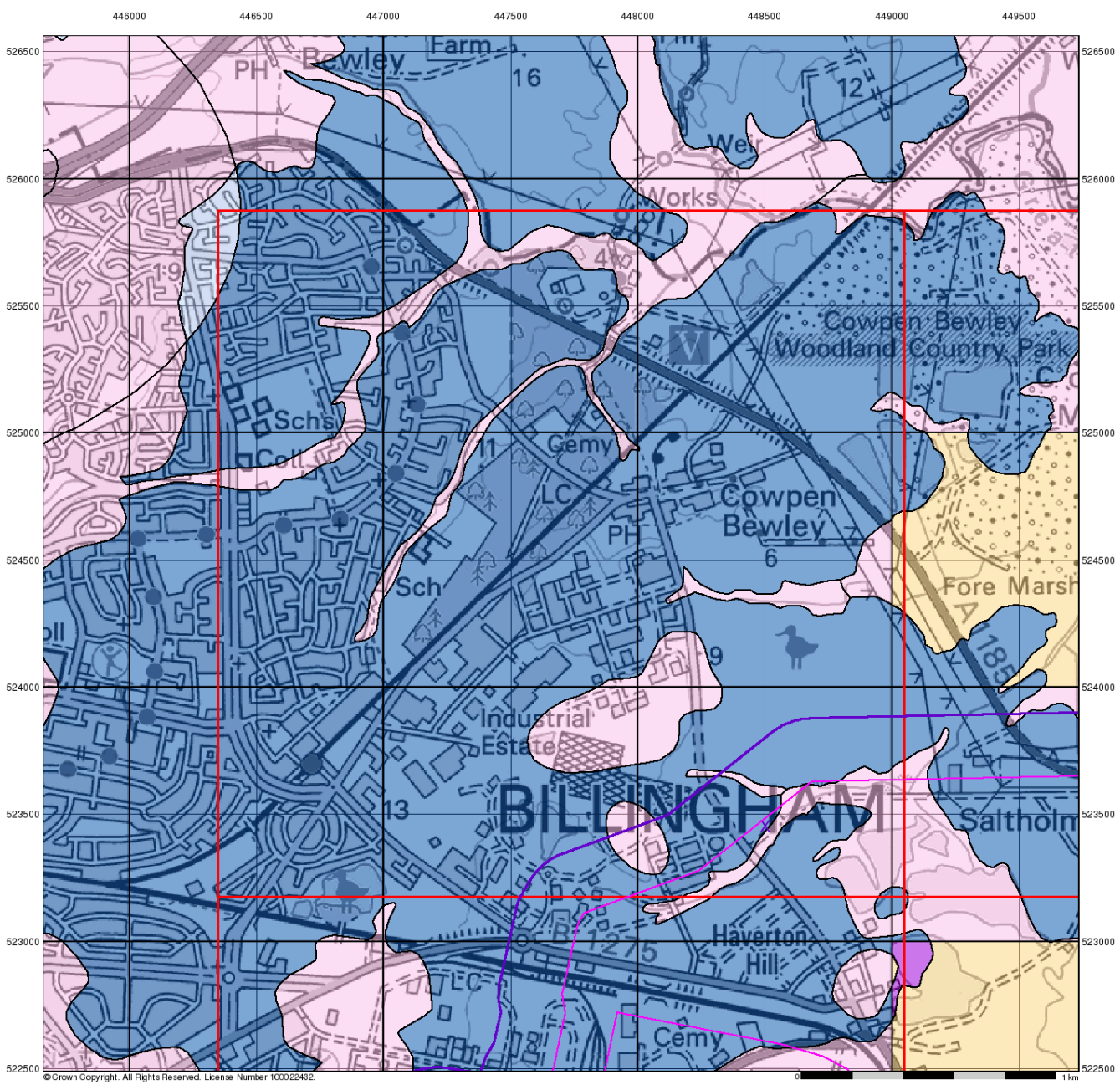


AECOM

Groundwater Vulnerability

General

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

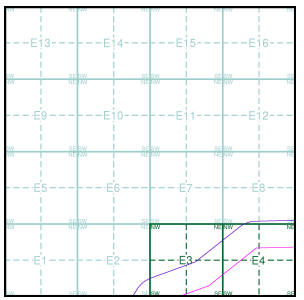
Agency and Hydrological

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 E



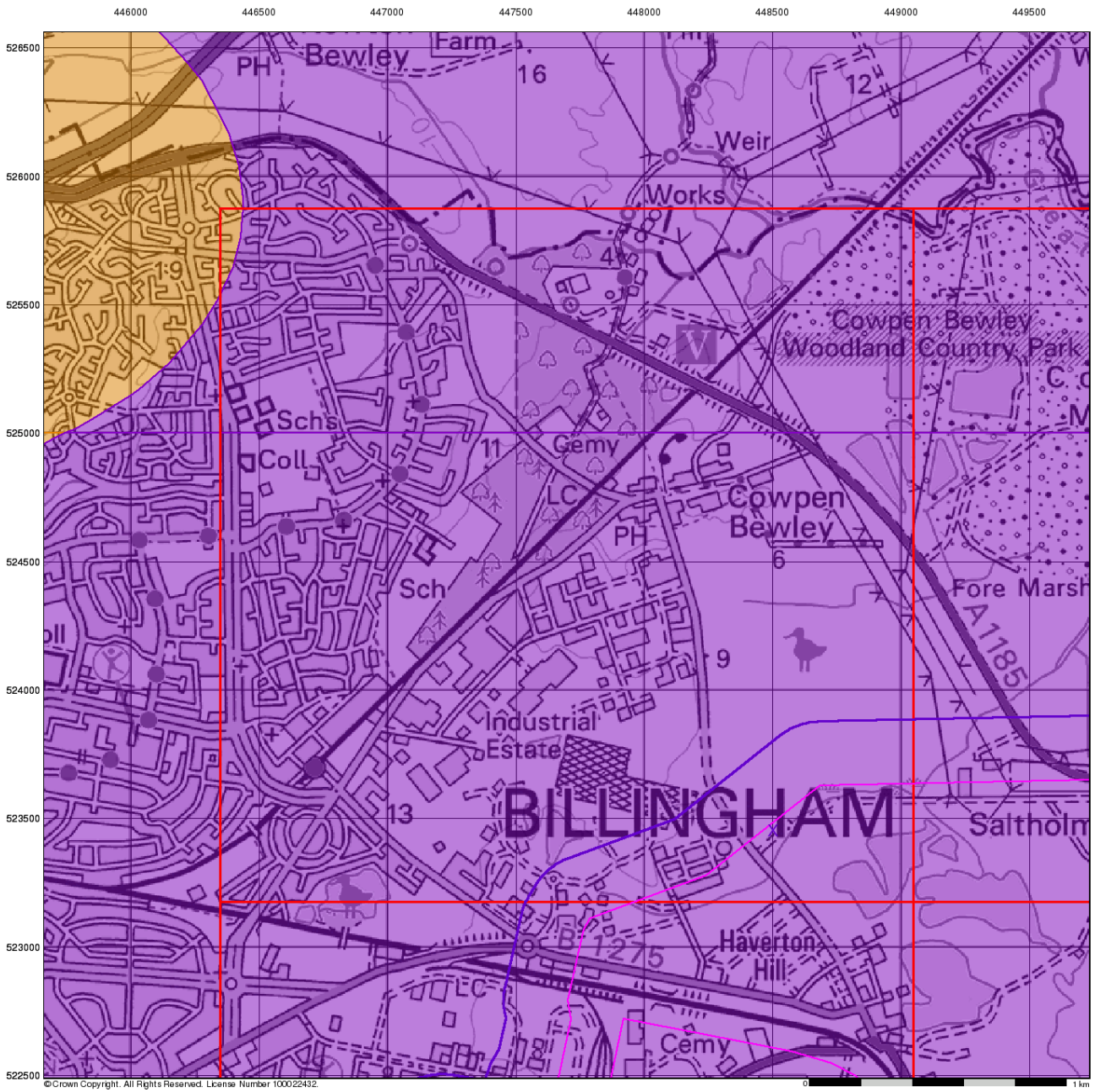
Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
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

Bedrock Aquifer Designation

General

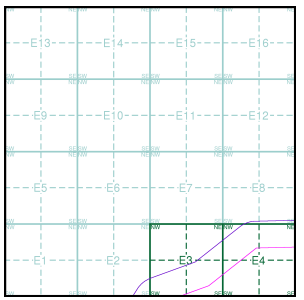
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

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 E



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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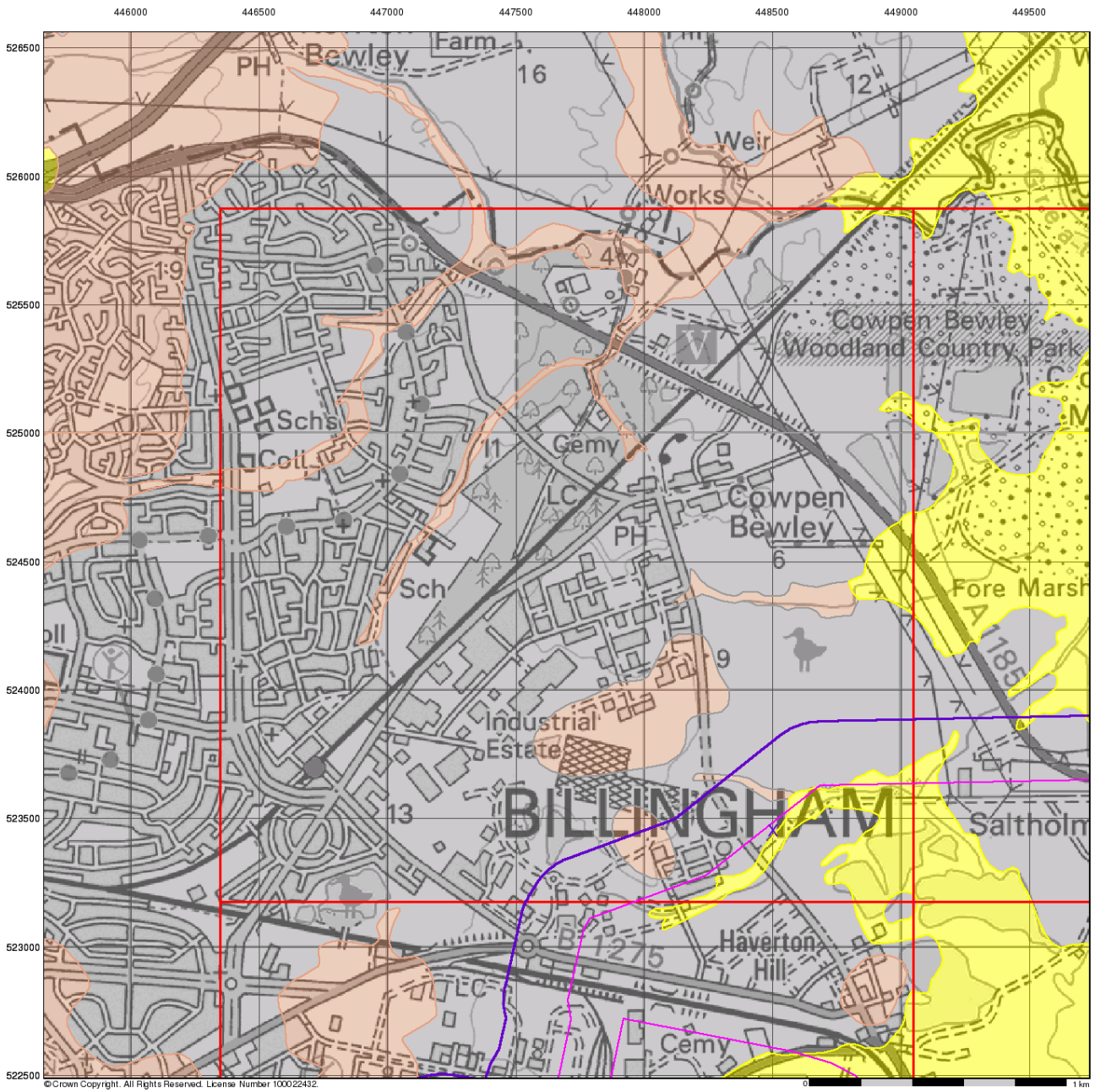
Web: www.envirocheck.co.uk



AECOM

Superficial Aquifer Designation

General

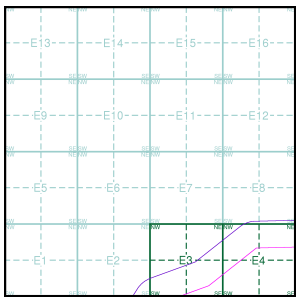
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

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 E



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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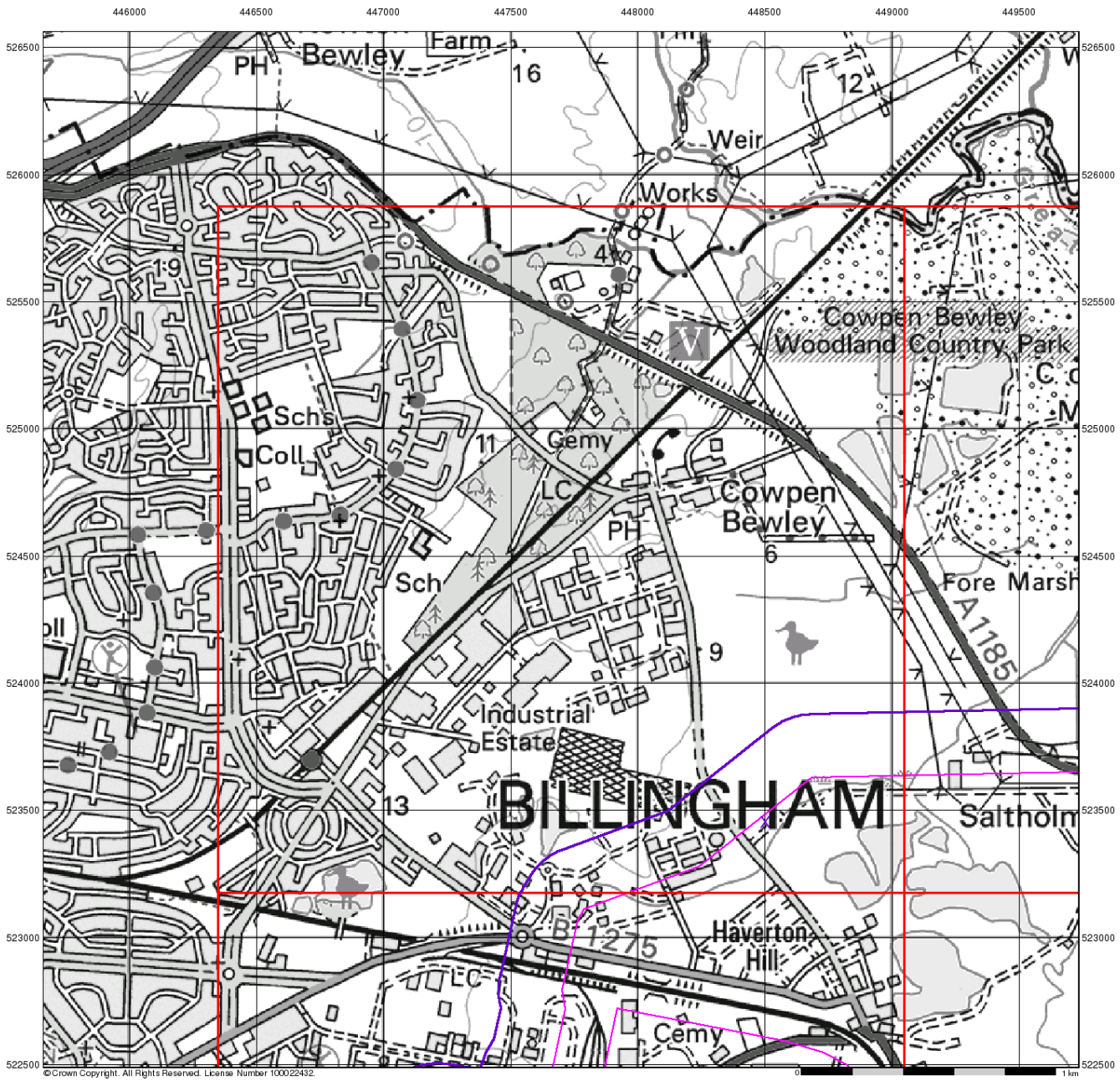


AECOM

Source Protection Zones

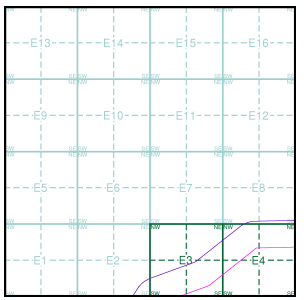
General

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 E



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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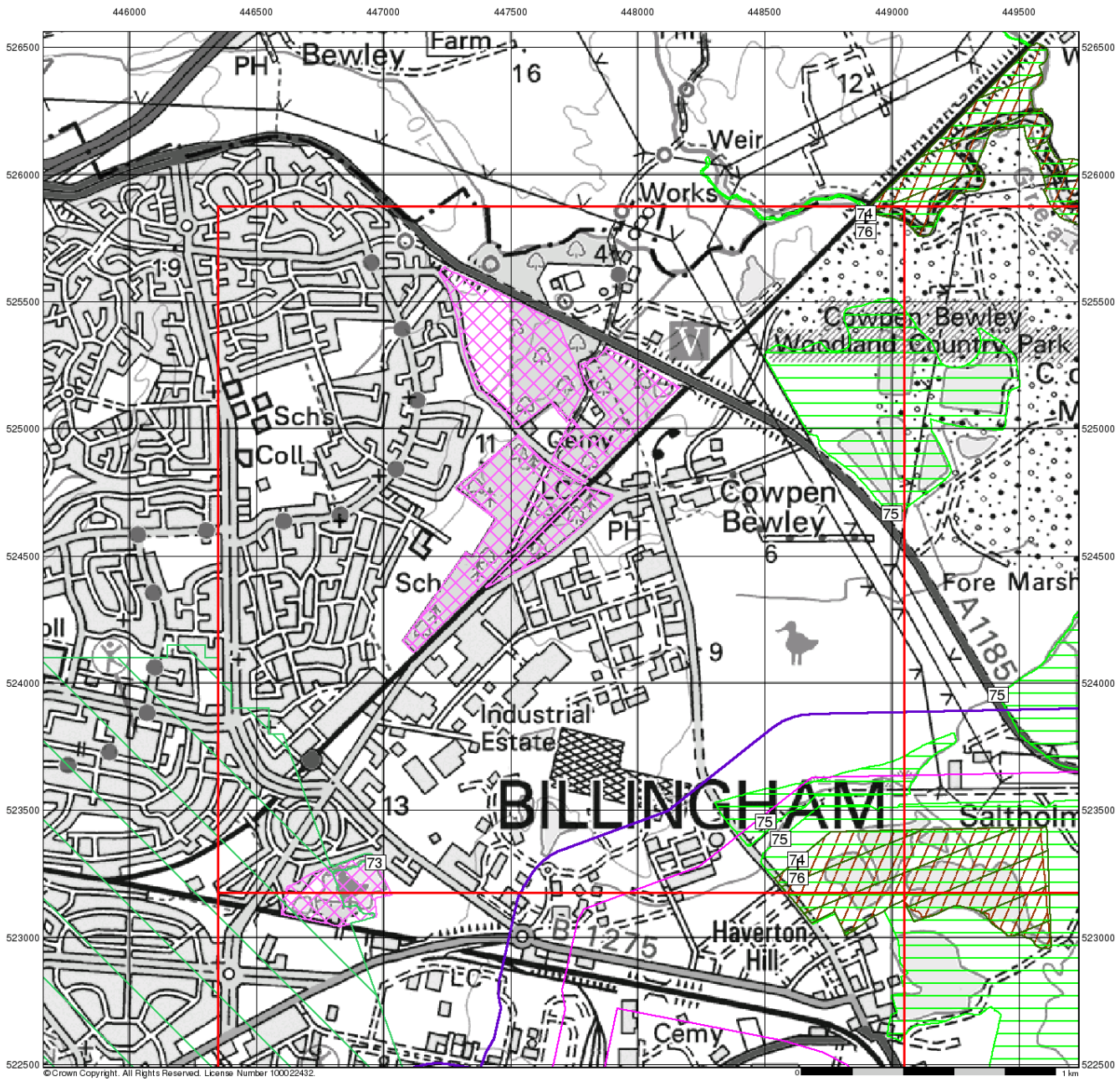


AECOM

Sensitive Land Uses

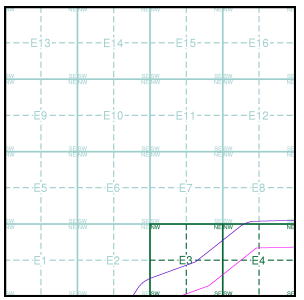
General

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 E



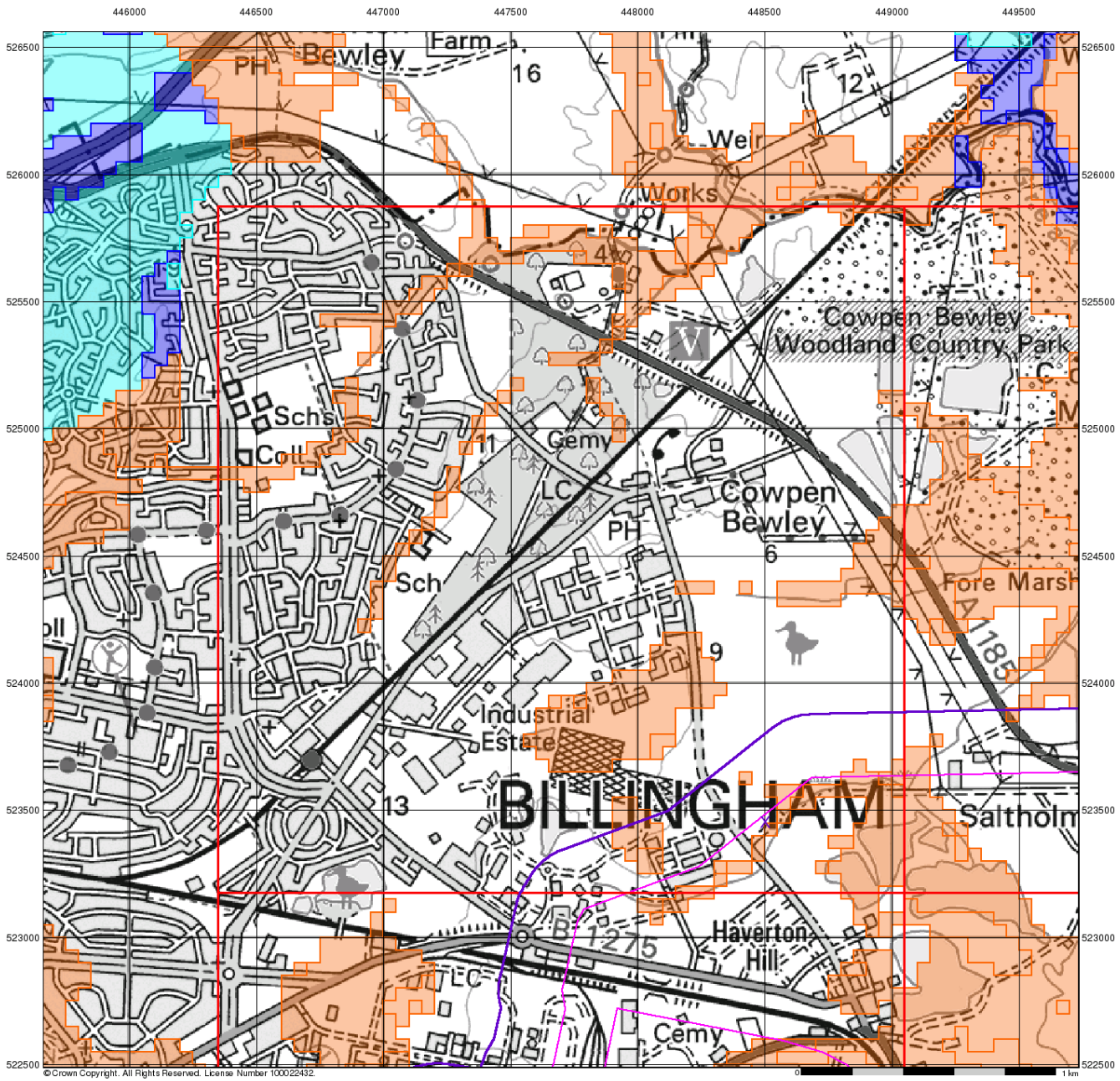
Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
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

BGS Flood GFS Data

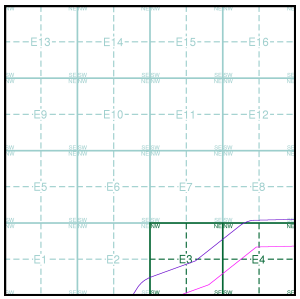
General

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 E



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
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

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
218629364_1_1

Customer Reference:
60559231/Teesside Clean Gas

National Grid Reference:
448500, 523460

Slice:
E

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

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.

Contents

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			
Prosecutions Relating to Controlled Waters			n/a
Enforcement and Prohibition Notices			
Integrated Pollution Controls	pg 2	10	
Integrated Pollution Prevention And Control	pg 4	7	5
Local Authority Integrated Pollution Prevention And Control			
Local Authority Pollution Prevention and Controls			
Local Authority Pollution Prevention and Control Enforcements			
Nearest Surface Water Feature		Yes	
Pollution Incidents to Controlled Waters	pg 7	1	
Prosecutions Relating to Authorised Processes	pg 7	1	
Registered Radioactive Substances	pg 7		10
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 9	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Groundwater Vulnerability - Local Information			n/a
Bedrock Aquifer Designations	pg 13	Yes	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences	pg 13	Yes	
Flooding from Rivers or Sea without Defences	pg 13	Yes	
Areas Benefiting from Flood Defences	pg 13	Yes	
Flood Water Storage Areas			
Flood Defences			
OS Water Network Lines	pg 14	42	6

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 20	1	n/a
Local Authority Recorded Landfill Sites			
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)	pg 20	4	2
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			
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BGS Estimated Soil Chemistry	pg 21	Yes	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	pg 21	Yes	n/a
Man-Made Mining Cavities	pg 22	1	5
Natural Cavities			
Non Coal Mining Areas of Great Britain	pg 23	Yes	
Potential for Collapsible Ground Stability Hazards	pg 23	Yes	
Potential for Compressible Ground Stability Hazards	pg 23	Yes	
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 23	Yes	
Potential for Running Sand Ground Stability Hazards	pg 23	Yes	Yes
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 23	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a
Industrial Land Use			
Contemporary Trade Directory Entries	pg 25	1	2
Fuel Station Entries			
Points of Interest - Commercial Services			
Points of Interest - Education and Health			
Points of Interest - Manufacturing and Production	pg 25	1	10
Points of Interest - Public Infrastructure	pg 26		1
Points of Interest - Recreational and Environmental			
Gas Pipelines	pg 26	2	
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	pg 27	1	
Ramsar Sites	pg 27	1	
Sites of Special Scientific Interest	pg 27	1	
Special Areas of Conservation			
Special Protection Areas	pg 27	1	
World Heritage Sites			

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4NE (E)	0	1	448950 523600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4SW (E)	0	1	448550 523456
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4SE (E)	0	1	448750 523400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4NE (E)	0	1	449000 523550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E3SE (SW)	0	1	448350 523250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E3SE (SW)	0	1	448350 523300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4SW (S)	0	1	448450 523300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4SW (SE)	0	1	448700 523300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4SW (S)	0	1	448500 523400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	449250 523400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4SW (S)	0	1	448503 523450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	449200 523450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	449250 523450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4SW (NE)	0	1	448550 523500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	449650 522750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	448503 522600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4SW (NE)	0	1	448600 523500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	449250 522650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	448800 522900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	448950 523100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	448100 523150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E3SE (SW)	0	1	448300 523200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	448100 523100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E3SE (W)	24	1	448100 523350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E8NW (N)	47	1	448550 524300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	55	1	448450 522500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E3SE (W)	106	1	448100 523450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	112	1	449150 523750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4NW (N)	124	1	448450 523600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	163	1	447100 522550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	206	1	449450 523850
1	**Integrated Pollution Controls** Name: Marlow Foods Ltd Location: Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: By5277 Dated: 8th December 2004 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry **Status: Revoked - Now IPPC** Positional Accuracy: Automatically positioned to the address	E3SE (SW)	0	2	448087 523210
2	**Integrated Pollution Controls** Name: Marlow Foods Ltd Location: Belasis Site, Nelson Avenue, Billingham, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: Bk2160 Dated: 29th January 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Located by supplier to within 100m	E3SE (SW)	0	2	448300 523300
2	**Integrated Pollution Controls** Name: Marlow Foods Ltd Location: Belasis Site, Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: BE7737 Dated: 18th May 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned within the geographical locality	E3SE (SW)	0	2	448300 523300
2	**Integrated Pollution Controls** Name: Marlow Foods Ltd Location: Belasis Site, Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: BD9840 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	E3SE (SW)	0	2	448300 523300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Integrated Pollution Controls** Name: Marlow Foods Ltd Location: Belasis Site, Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: AY8735 Dated: 11th November 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned within the geographical locality	E3SE (SW)	0	2	448300 523300
2	**Integrated Pollution Controls** Name: Marlow Foods Ltd Location: Belasis Site, Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: AR5669 Dated: 25th May 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned within the geographical locality	E3SE (SW)	0	2	448300 523300
2	**Integrated Pollution Controls** Name: Marlow Foods Ltd Location: Belasis Site, Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: AO8653 Dated: 31st October 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned within the geographical locality	E3SE (SW)	0	2	448300 523300
2	**Integrated Pollution Controls** Name: Marlow Foods Ltd Location: Belasis Site, Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: AK1967 Dated: 14th October 1993 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned within the geographical locality	E3SE (SW)	0	2	448300 523300
2	**Integrated Pollution Controls** Name: Marlow Foods Ltd Location: Belasis Site, Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: AK0804 Dated: 24th September 1993 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned within the geographical locality	E3SE (SW)	0	2	448300 523300
2	**Integrated Pollution Controls** Name: Marlow Foods Ltd Location: Belasis Site, Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: AH2389 Dated: 16th April 1993 Process Type: IPC new application Description: 4.5 A (M) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned within the geographical locality	E3SE (SW)	0	2	448300 523300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Integrated Pollution Prevention And Control** Name: Marlow Foods Ltd Location: Belasis East Site - Epr/Bw9247ik, Marlow Foods Limited,Belasis Site, Nelson Avenue,,, Billingham, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: CP3236JF Original Permit Ref: Bw9247ik Effective Date: 10th September 2018 **Status: Effective** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: N Activity Code: 4.7 A(1) (B) Activity Description: Carbon Disulphide Or Ammonia; Ammonia Release To Air (Any Chemical Manufacture Not Refridgerant Use) Primary Activity: Y	E3SE (SW)	0	2	448080 523210
3	**Integrated Pollution Prevention And Control** Name: Marlow Foods Ltd Location: Belasis East Site, Marlow Foods Limited,Belasis Site, Nelson Avenue,,, Billingham, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: FP3538ER Original Permit Ref: Bw9247ik Effective Date: 26th November 2013 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: N Activity Code: 4.7 A(1) (B) Activity Description: Carbon Disulphide Or Ammonia; Ammonia Release To Air (Any Chemical Manufacture Not Refridgerant Use) Primary Activity: Y	E3SE (SW)	0	2	448087 523210
3	**Integrated Pollution Prevention And Control** Name: Marlow Foods Ltd Location: Belasis East Site, Marlow Foods Limited,Belasis Site, Nelson Avenue,,, Billingham, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: VP3738CZ Original Permit Ref: Bw9247ik Effective Date: 17th July 2012 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 4.7 A(1) (B) Activity Description: Carbon Disulphide Or Ammonia; Ammonia Release To Air (Any Chemical Manufacture Not Refridgerant Use) Primary Activity: Y	E3SE (SW)	0	2	448087 523210
3	**Integrated Pollution Prevention And Control** Name: Marlow Foods Ltd Location: Belasis East Site, Marlow Foods Limited,Belasis Site, Nelson Avenue,,, Billingham, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: LP3439FS Original Permit Ref: Bw9247ik Effective Date: 25th May 2011 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 4.7 A(1) (B) Activity Description: Carbon Disulphide Or Ammonia; Ammonia Release To Air (Any Chemical Manufacture Not Refridgerant Use) Primary Activity: Y	E3SE (SW)	0	2	448087 523210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Integrated Pollution Prevention And Control** Name: Premier Foods Plc Location: Belasis East Site, Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: Zp3430lm Original Permit Ref: Bw9247ik Effective Date: 25th October 2006 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 4.7 A(1) (B) Activity Description: Carbon Disulphide Or Ammonia; Ammonia Release To Air (Any Chemical Manufacture Not Refridgerant Use) Primary Activity: Y	E3SE (SW)	0	2	448087 523210
3	**Integrated Pollution Prevention And Control** Name: Premier Foods Plc Location: Nelson Avenue, BILLINGHAM, Cleveland, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: Bw9247ik Original Permit Ref: Bw9247ik Effective Date: 3rd October 2005 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.7 A(1) (B) Activity Description: Carbon Disulphide Or Ammonia; Ammonia Release To Air (Any Chemical Manufacture Not Refridgerant Use) Primary Activity: Y	E3SE (SW)	0	2	448087 523210
3	**Integrated Pollution Prevention And Control** Name: Marlow Foods Ltd Location: Belasis Site, Quorn Foods,Belasis Site, Nelson Avenue,Billingham,, Stockton on Tees, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: BP3437WU Original Permit Ref: Bw9247ik Effective Date: Not Supplied **Status:** **Valid** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 4.7 A(1) (B) Activity Description: Carbon Disulphide Or Ammonia; Ammonia Release To Air (Any Chemical Manufacture Not Refridgerant Use) Primary Activity: Y Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: N	E3SE (SW)	0	2	448087 523210
3	**Integrated Pollution Prevention And Control** Name: Marlow Foods Ltd Location: Belasis East Site, Marlow Foods Limited,Belasis Site, Nelson Avenue,,, Billingham, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: JP3534JD Original Permit Ref: Bw9247ik Effective Date: 3rd August 2018 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: Y	E3SE (SW)	3	2	448114 523233

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Integrated Pollution Prevention And Control** Name: Marlow Foods Ltd Location: Belasis East Site, Marlow Foods Limited,Belasis Site, Nelson Avenue,,, Billingham, TS23 4HA Authority: Environment Agency, North East Region Permit Reference: CP3536JW Original Permit Ref: Bw9247ik Effective Date: Not Supplied **Status: Valid** Application Type: Surrender App. Sub Type: Part Positional Accuracy: Automatically positioned to the address Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: N Activity Code: 4.7 A(1) (B) Activity Description: Carbon Disulphide Or Ammonia; Ammonia Release To Air (Any Chemical Manufacture Not Refridgerant Use) Primary Activity: Y	E3SE (SW)	3	2	448114 523233
4	**Integrated Pollution Prevention And Control** Name: Avecia Ltd Location: Belasis East Site, Po Box 2, Belasis Avenue, Billingham, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: Vp3530bv Original Permit Ref: Vp3530bv Effective Date: 30th September 2005 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 4.5 A(1) (A) Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes Primary Activity: Y	E3SE (SW)	36	2	448200 523299
4	**Integrated Pollution Prevention And Control** Name: Avecia Ltd Location: Belasis East Site, Po Box 2, Belasis Avenue,,, Billingham, Ts23 1yn, TS23 1YN Authority: Environment Agency, North East Region Permit Reference: KP3032XY Original Permit Ref: Vp3530bv Effective Date: 17th October 2008 **Status: Surrender Effective** Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Located by supplier to within 100m Activity Code: 4.5 A(1) (A) Activity Description: Pharmaceuticals; Producing Pharmaceuticals Using Chemical/Biological Processes Primary Activity: Y	E3SE (SW)	37	2	448200 523300
5	**Integrated Pollution Prevention And Control** Name: Tracerco Limited Location: Tracerco Reservoir Manufacturing Laboratory Epr/Cp3736ru, Pavilion 11, Coxwold Way,Belasis Hall Technology Park,, Billingham, Stockton-On-Tees, TS23 4EA Authority: Environment Agency, North East Region Permit Reference: CP3736RU Original Permit Ref: Cp3736ru Effective Date: 24th May 2016 **Status: Effective** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (VIII) Activity Description: Organic Chemicals; Plastic Materials Eg Polymers Primary Activity: Y	E2SE (W)	168	2	447649 523201
	Nearest Surface Water Feature	E4SE (E)	0	-	449032 523511

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Belasis Beck, BILLINGHAM Authority: Environment Agency, North East Region Pollutant: Chemicals - Alkali Note: No Fish Killed Incident Date: 23rd November 1995 Incident Reference: DD950425 Catchment Area: Tees Downstream Skerne To North Sea Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	E3SE (SW)	0	2	448200 523200
7	**Prosecutions Relating to Authorised Processes** Location: side of Cowpen Bewley Road, BILLINGHAM, Cleveland, TS23 4HR Prosecution Text: EA Data 10/09/1999, Two offences. Failing to provide a waste transfer note and failing to comply with a notice. Sacks dumped contained empty bottles, cigarette butts and food waste. Also ordered to pay £96.56 compensation to Stockton Borough Council. Prosecution Act: EPA90 Hearing Date: 8th September 1999 Verdict: Guilty Fine: 125 Costs: 628.1 Positional Accuracy: Manually positioned to the road within the address or location	E4SW (SW)	0	2	448413 523374
8	**Registered Radioactive Substances** Name: Imperial Chemical Industries Plc Location: Belasis Hall Technology Park, Belasis Avenue, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: AC1130 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	E2SE (W)	167	2	447651 523203
8	**Registered Radioactive Substances** Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, Billingham, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bz7534 Dated: 24th March 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	E2SE (W)	171	2	447648 523205
8	**Registered Radioactive Substances** Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, Billingham, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bw5098 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	E2SE (W)	171	2	447648 523205
8	**Registered Radioactive Substances** Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bt9127 Dated: 11th February 2003 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	E2SE (W)	171	2	447648 523205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Registered Radioactive Substances** Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: Bt8902 Dated: 11th February 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	E2SE (W)	171	2	447648 523205
8	**Registered Radioactive Substances** Name: Imperial Chemical Industries Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, BILLINGHAM, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: BG8777 Dated: 5th November 1999 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	E2SE (W)	171	2	447648 523205
8	**Registered Radioactive Substances** Name: Imperial Chemical Industries Plc Location: Tracerco, Pavillion 11, Belasis Hall Technology Park, Belasis Avenue, Billingham, Cleveland, TS23 4AZ Authority: Environment Agency, North East Region Permit Reference: AN9263 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	E2SE (W)	171	2	447648 523205
8	**Registered Radioactive Substances** Name: Tracerco Limited Location: Pavillion 10 The Moat, Balasis Hall Technology Park, Billingham, Ts23 4ea Authority: Environment Agency, North East Region Permit Reference: CD1029 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Application has been determined by the EA** Positional Accuracy: Located by supplier to within 100m	E2SE (W)	209	2	447600 523200
8	**Registered Radioactive Substances** Name: Tracerco Limited Location: Pavillion 10 The Moat, Balasis Hall Technology Park, Billingham, Ts23 4ea Authority: Environment Agency, North East Region Permit Reference: CD3889 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Application has been determined by the EA** Positional Accuracy: Located by supplier to within 100m	E2SE (W)	209	2	447600 523200
9	**Registered Radioactive Substances** Name: Johnson Matthey Plc Location: Tracerco, Pavillion 11, Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4AE Authority: Environment Agency, North East Region Permit Reference: CB0439 Dated: 22nd March 2007 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Initial variation to an authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the road within the address or location	E2SE (W)	226	2	447591 523218

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(S)	0	3	448480 522587
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(SE)	0	3	448861 522954
	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	(SE)	0	3	449150 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	(SE)	0	3	449000 522945

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	E4SW (SE)	0	3	448514 523446
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(NE)	0	3	449449 523856
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	E4SE (E)	0	3	449000 523456
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(E)	0	3	449641 523000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	E3NW (W)	0	3	448000 523535
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(SE)	0	3	448943 523166
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	E4SW (SE)	0	3	448503 523456
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	E4SE (SE)	0	3	449000 523212

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	E4NE (NE)	0	3	449000 523680
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(SE)	0	3	449000 523022
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(SW)	0	3	448000 523000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(S)	0	3	448503 523000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Unproductive 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	(E)	0	3	449614 523000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Unproductive 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	(SE)	0	3	449000 523000
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	E4SW (SE)	0	3	448503 523456
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SE)	0	3	448861 522954
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	E4SW (SE)	0	3	448503 523456
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(SE)	0	3	448943 523166
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(NE)	0	3	449132 524167
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	E4SW (SE)	0	3	448514 523446
	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	E4SW (SE)	0	2	448503 523456
	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	E4SW (SE)	0	2	448503 523456
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	E4SW (SE)	0	2	448503 523456
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 22.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	449000 523614
11	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 11.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	449006 523572
12	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 32.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	449006 523572
13	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	449008 523634
14	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	449013 523581
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	449021 523594
16	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 43.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	449034 523614
17	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 52.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	449037 523622
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 319.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4SW (E)	0	4	448580 523475

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NW (NE)	0	4	448652 523554
20	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 253.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NW (NE)	0	4	448652 523554
21	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 212.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (NE)	0	4	448735 523557
22	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 62.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	448945 523585
23	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 45.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 2	E4NE (E)	0	4	448945 523585
24	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 44.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	448858 523597
25	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	448856 523595
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (NE)	0	4	448831 523602
27	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	448858 523597

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	448946 523627
29	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 55.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (NE)	0	4	448888 523631
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 230.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	(SW)	0	4	448062 523122
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 150.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E3SE (SW)	0	4	448292 523182
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: Underground Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E3SE (SW)	0	4	448346 523198
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 160.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4SW (S)	0	4	448478 523285
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.0 Watercourse Level: Underground Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4SW (S)	0	4	448487 523295
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4SW (S)	0	4	448489 523297
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4SW (S)	0	4	448490 523297

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 140.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4SW (SE)	0	4	448551 523423
38	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4SW (S)	0	4	448499 523297
39	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 24.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (NE)	0	4	448888 523631
40	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 50.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	448900 523610
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 62.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4SW (S)	0	4	448493 523400
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 115.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4SW (SE)	0	4	448527 523430
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: Underground Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4SW (SE)	0	4	448554 523429
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4SW (SE)	0	4	448556 523432
45	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 93.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4SW (SE)	0	4	448511 523441

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4SW (E)	0	4	448579 523474
47	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 14.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4SW (E)	0	4	448587 523486
48	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 89.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4SW (NE)	0	4	448582 523498
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4SE (E)	0	4	449032 523511
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 80.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Belasis Beck Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	448950 523628
51	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 14.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	0	4	448988 523627
52	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 18.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (E)	1	4	448991 523642
53	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 25.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (NE)	6	4	448943 523642
54	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 52.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (NE)	8	4	448943 523642

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 267.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E4NE (NE)	60	4	448999 523694
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 167.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	(W)	107	4	447696 523162
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 98.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	E2SE (W)	247	4	447571 523273

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Stockton On Tees Unitary Council - Has supplied landfill data		0	5	448503 523456
58	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	E4SW (S)	0	8	448524 523379
59	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	E4SW (S)	0	8	448583 523256
60	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	E4SW (SE)	0	8	448644 523259
61	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1859	E4SW (SE)	0	8	448575 523285
62	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	E3SW (W)	107	8	447793 523225
63	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1899	E3SE (W)	110	8	448302 523464

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	E4SW (SE)	0	1	448503 523456
	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	E4SW (SE)	0	1	448503 523456
	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	E4SE (E)	0	1	449000 523456
	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	E4SW (W)	0	1	448500 523456
	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: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	E4NW (N)	34	1	448492 523568
	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: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	E3SE (W)	45	1	448123 523355
	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: Conclusive Evaporites Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	E4SW (SE)	0	-	448503 523456

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Mining Instability Mining Evidence: Conclusive Evaporites Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	E4SW (W)	0	-	448500 523456
	Man-Made Mining Cavities Easting: 448300 Northing: 523200 Distance: 0 Quadrant Reference: E3 Quadrant Reference: SE Bearing Ref: SW Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: ESTUARINE & MARINE ALLUVIUM LAMINATED CLAY	E3SE (SW)	0	6	448300 523200
	Man-Made Mining Cavities Easting: 448600 Northing: 523600 Distance: 31 Quadrant Reference: E4 Quadrant Reference: NW Bearing Ref: NE Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: ESTUARINE & MARINE ALLUVIUM GLACIAL LAKE SAND LAMINATED CLAY	E4NW (NE)	31	6	448600 523600
	Man-Made Mining Cavities Easting: 448300 Northing: 523400 Distance: 61 Quadrant Reference: E3 Quadrant Reference: SE Bearing Ref: W Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: LAMINATED CLAY	E3SE (W)	61	6	448300 523400
	Man-Made Mining Cavities Easting: 448500 Northing: 523600 Distance: 93 Quadrant Reference: E4 Quadrant Reference: NW Bearing Ref: N Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: ESTUARINE & MARINE ALLUVIUM GLACIAL LAKE SAND LAMINATED CLAY	E4NW (N)	93	6	448500 523600
	Man-Made Mining Cavities Easting: 448300 Northing: 523500 Distance: 139 Quadrant Reference: E3 Quadrant Reference: SE Bearing Ref: W Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: LAMINATED CLAY	E3SE (W)	139	6	448300 523500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 448600 Northing: 523800 Distance: 192 Quadrant Reference: E4 Quadrant Reference: NW Bearing Ref: N Cavity Type: PILLAR & STALL ANHYDRITE MINE-KNOWN MINED GROUND Commodity: Anhydrite Solid Geology Detail: SHERWOOD SANDSTONE GROUP ESKDALE GROUP STAINTONDALE GROUP TEESIDE GROUP Superficial Geology Detail: LAMINATED CLAY	E4NW (N)	192	6	448600 523800
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	E4NW (N)	0	1	448507 523579
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	0	1	448528 523445
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	E4NE (E)	0	1	449019 523587
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	448943 523166
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	0	1	448503 523456
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	0	1	448514 523446
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	0	1	448503 523456
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E4NW (N)	34	1	448492 523568
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E3SE (W)	45	1	448123 523355
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	0	1	448503 523456
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	0	1	448503 523456
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	448943 523166
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	0	1	448503 523456
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	0	1	448514 523446
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E4NW (N)	34	1	448492 523568
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E3SE (W)	45	1	448123 523355
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	448943 523166

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	0	1	448503 523456
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	0	1	448514 523446
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E4NW (N)	34	1	448492 523568
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E3SE (W)	45	1	448123 523355
	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	E4SW (SE)	0	1	448503 523456
	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	E4SW (SE)	0	1	448503 523456

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**Contemporary Trade Directory Entries** Name: Quorn Location: Nelson Avenue, Billingham, Cleveland, TS23 4HA Classification: Food Products - Manufacturers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	E3SE (SW)	0	-	448087 523210
65	**Contemporary Trade Directory Entries** Name: Q S I Group Ltd Location: 13, Colmans Nook, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EG Classification: Automation Systems & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	E3SW (SW)	50	-	447844 523184
66	**Contemporary Trade Directory Entries** Name: Johnson Matthey Location: Coxwold Way, Belasis Hall Technology Park, Billingham, Cleveland, TS23 4EA Classification: Oil & Gas Exploration Supplies & Services **Status: Active** Positional Accuracy: Automatically positioned to the address	E2SE (W)	171	-	447648 523204
67	**Points of Interest - Manufacturing and Production** Name: Tank Location: TS23 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	E3SE (SW)	0	7	448176 523247
67	**Points of Interest - Manufacturing and Production** Name: Tank Location: TS23 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	E3SE (SW)	1	7	448214 523267
67	**Points of Interest - Manufacturing and Production** Name: Tank Location: TS23 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	E3SE (SW)	4	7	448132 523240
67	**Points of Interest - Manufacturing and Production** Name: Tank Location: TS23 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	E3SE (SW)	34	7	448208 523300
67	**Points of Interest - Manufacturing and Production** Name: Tanks Location: TS23 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	E3SE (SW)	47	7	448176 523302
67	**Points of Interest - Manufacturing and Production** Name: Tank Location: TS23 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	E3SE (SW)	51	7	448207 523317
67	**Points of Interest - Manufacturing and Production** Name: Tank Location: TS23 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	E3SE (W)	78	7	448194 523342
68	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	E3SE (SW)	52	7	448113 523284

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	**Points of Interest - Manufacturing and Production** Name: Works Location: TS23 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	E3SE (SW)	53	7	448113 523285
68	**Points of Interest - Manufacturing and Production** Name: Tank Location: TS23 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	E3SE (W)	67	7	448129 523306
69	**Points of Interest - Manufacturing and Production** Name: Belasis Hall Technology Park Location: TS23 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	E3SW (W)	104	7	447719 523186
70	**Points of Interest - Public Infrastructure** Name: Weir Location: TS23 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	E2SE (W)	231	7	447563 523183
71	**Gas Pipelines** Name: FM06 - Little Burdon to Billingham ICI Nat Grid: Owned By National Grid Diameter (mm): 600 Building Proximity Distance (m): 49 Status: Active Pipe Length (m): 25362.9 Pipe Number: Feeder 6	E4SW (SW)	0	8	448457 523418
72	**Gas Pipelines** Name: FM06 - Cowpen Bewley to Teeside Terminal Nat Grid: Owned By National Grid Diameter (mm): 900 Building Proximity Distance (m): 78 Status: Active Pipe Length (m): 5408.5 Pipe Number: Feeder 6	E4NE (E)	0	8	449031 523608

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**Nitrate Vulnerable Zones** Name: Billingham Beck From Brierley Beck To River Tees Nvz Description: Surface Water Source: Environment Agency, Head Office	E1SE (W)	0	3	446969 523294
74	**Ramsar Sites** Name: Teesmouth And Cleveland Coast Multiple Areas: Y Total Area (m2): 12537569.88 Source: Natural England Reference: UK11068 Designation Date: Not Supplied	E4SW (SE)	0	9	448629 523306
75	**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	(NE)	0	9	449417 523954
76	**Special Protection Areas** Name: Teesmouth And Cleveland Coast Multiple Areas: Y Total Area (m2): 12515083.540000005 Source: Natural England Reference: UK9006061 Designation Date: Not Supplied	E4SW (SE)	0	9	448629 523306

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Hartlepool Borough Council - Neighbourhood Services Department	April 2013	Annual Rolling Update
Stockton-on-Tees Borough Council - Environmental Health Department	October 2017	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	April 2015	Variable
Stockton-on-Tees Borough Council - Environmental Health Department	June 2014	Variable
Local Authority Pollution Prevention and Controls		
Hartlepool Borough Council - Environmental Health Department	April 2015	Annual Rolling Update
Stockton-on-Tees Borough Council - Environmental Health Department	June 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Hartlepool Borough Council - Environmental Health Department	April 2015	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		
Hartlepool Borough Council - Environmental Health Department	May 2000	Not Applicable
Stockton-on-Tees Borough Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Hartlepool Borough Council - Environmental Health Department	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		
Hartlepool Borough Council	January 2016	Variable
Stockton-on-Tees Borough Council	October 2015	Variable
Planning Hazardous Substance Consents		
Hartlepool Borough Council	January 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 Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
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	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**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
6	**Peter Brett Associates** Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
7	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
9	**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
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	GLLDD	Glaciolacustrine Deposits, Devensian	Clay and Silt	Not Supplied - Devensian
	GLLDD	Glaciolacustrine Deposits, Devensian	Sand	Not Supplied - Devensian
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SSG	Sherwood Sandstone Group	Sandstone	Not Supplied - GUADALUPIAN
	ROX	Roxby Formation	Mudstone, Calcareous	Not Supplied - GUADALUPIAN
		Faults		

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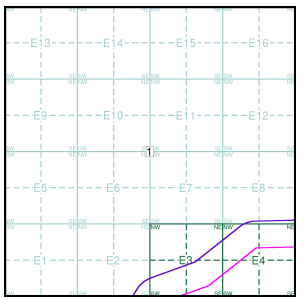
Geology 1:50,000 Maps

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 E



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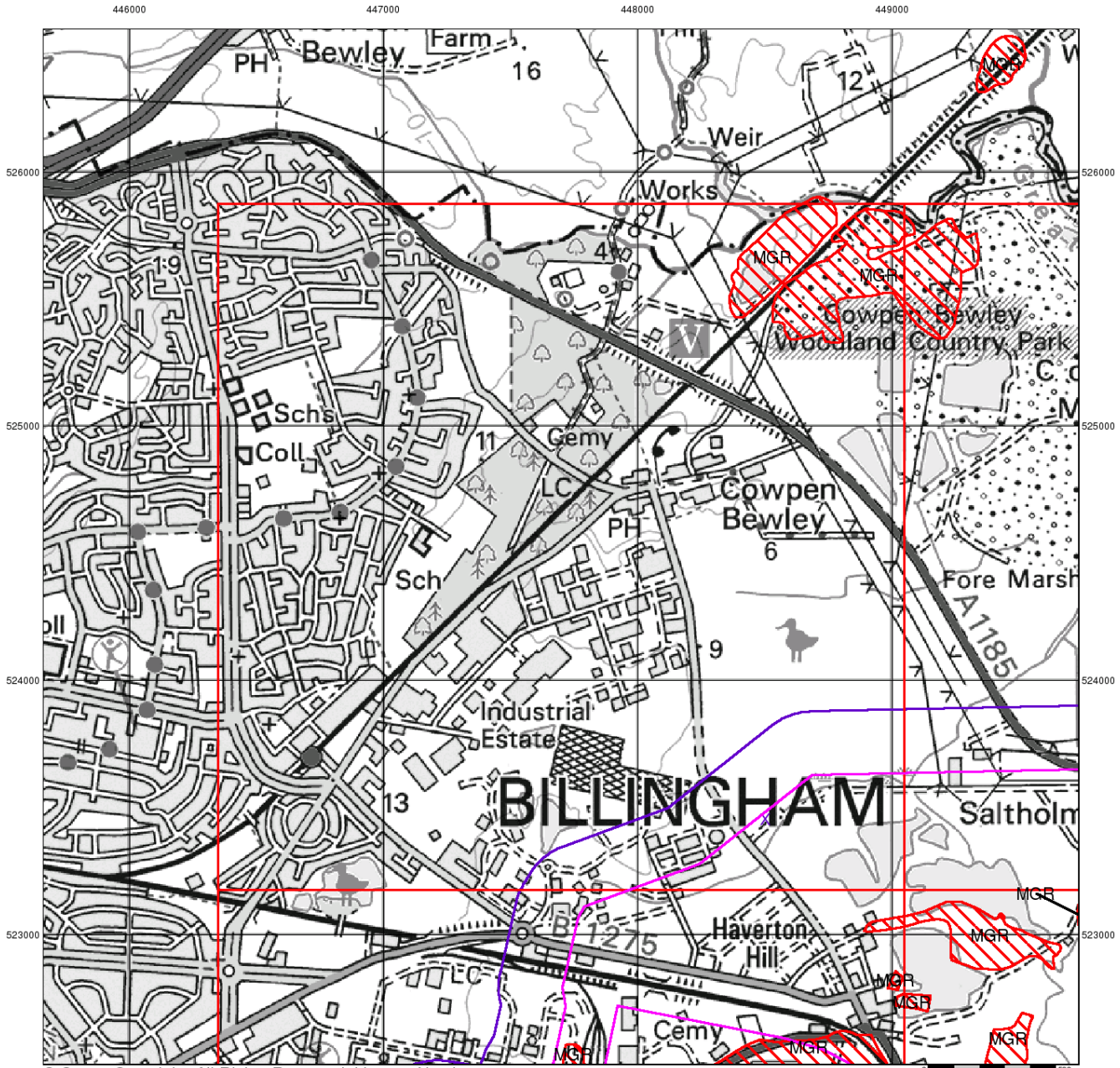
Customer Reference: 60559231/Teesside Clean Gas
National Grid Reference: 448500, 523460
Slice: E
Site Area (Ha): 1304.99
Search Buffer (m): 250

Site Details:

Teesside Clean Gas Project 1 of 2



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Artificial Ground and Landslip

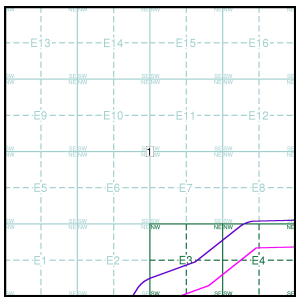
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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



Order Details:

Order Number:	218629364_1_1
Customer Reference:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details:

Teesside Clean Gas Project 1 of 2

Landmark INFORMATION GROUP
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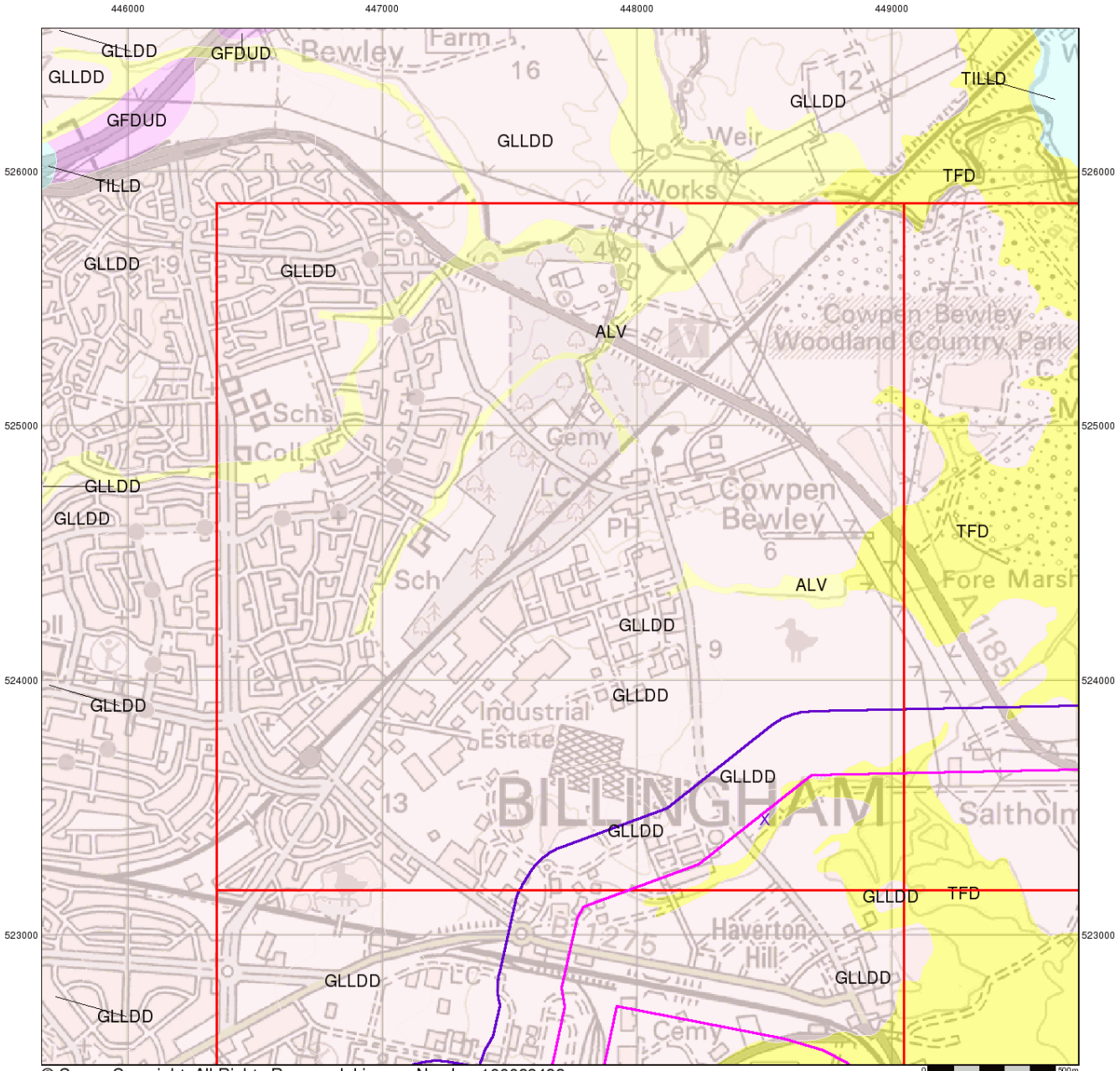

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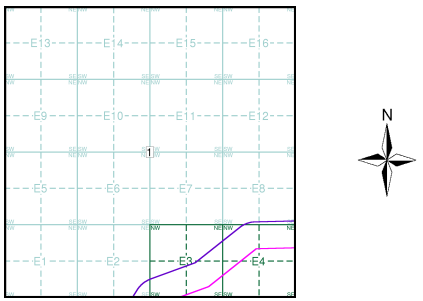
Superficial Geology

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 E



Order Details:

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Customer Reference:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details:

Teesside Clean Gas Project 1 of 2

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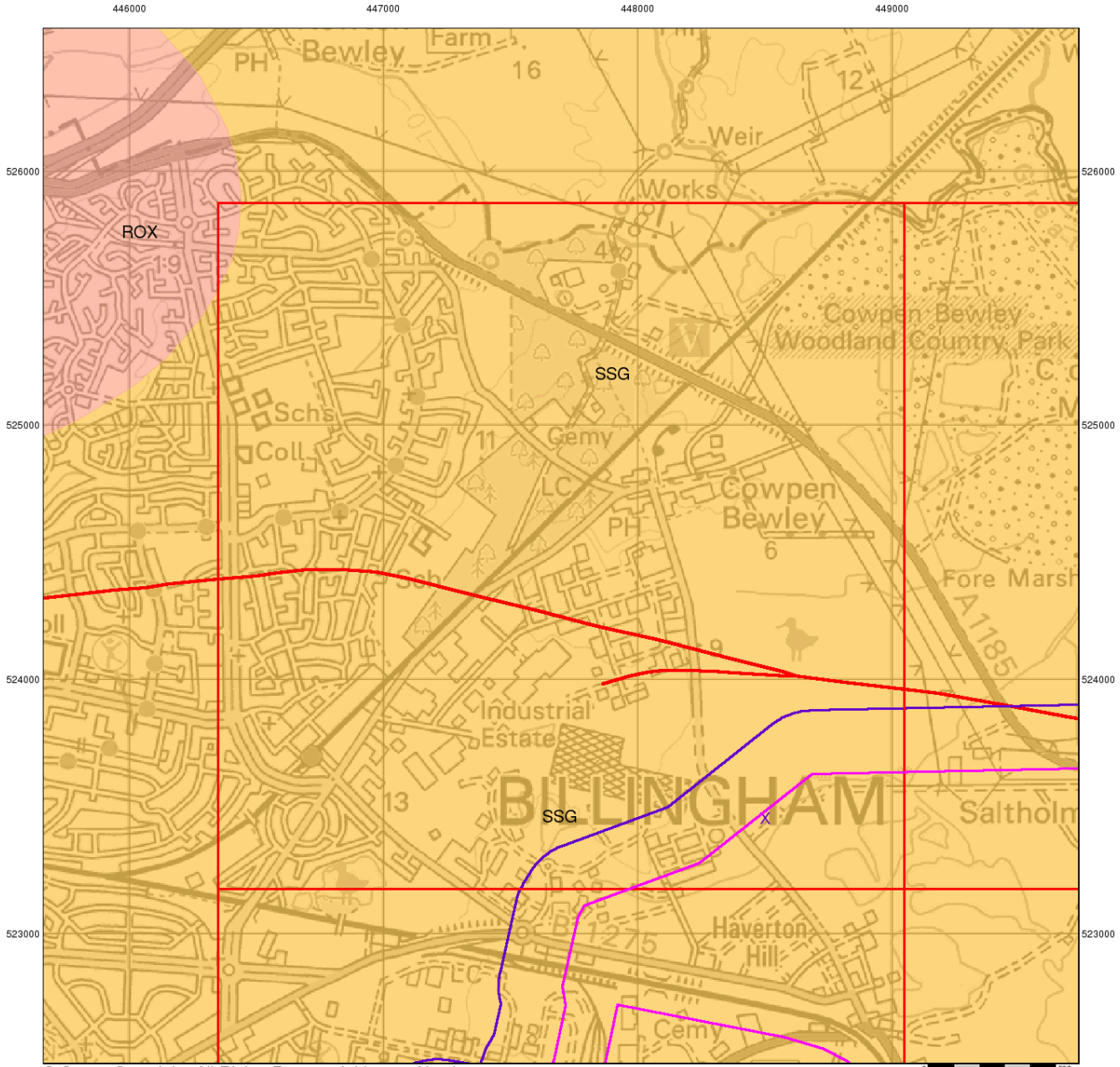
Web: www.envirocheck.co.uk



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Bedrock and Faults

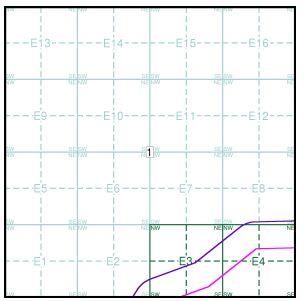
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 E



Order Details:

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Customer Reference:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
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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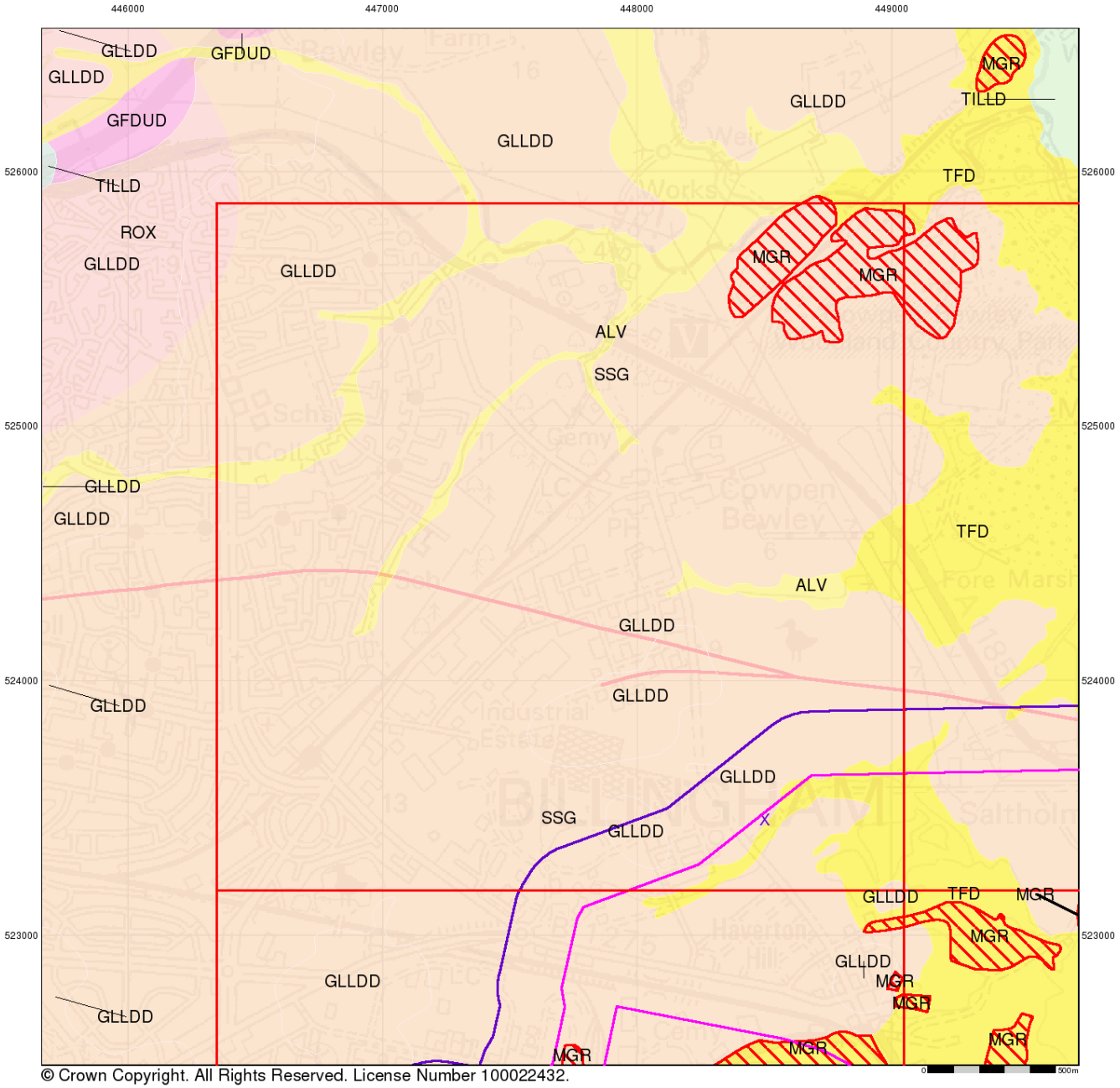
Web: www.envirocheck.co.uk



AECOM

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.

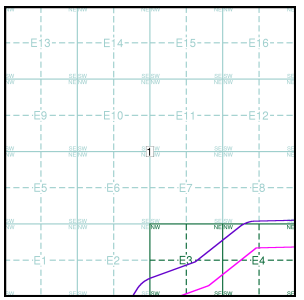
Additional Information

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 E

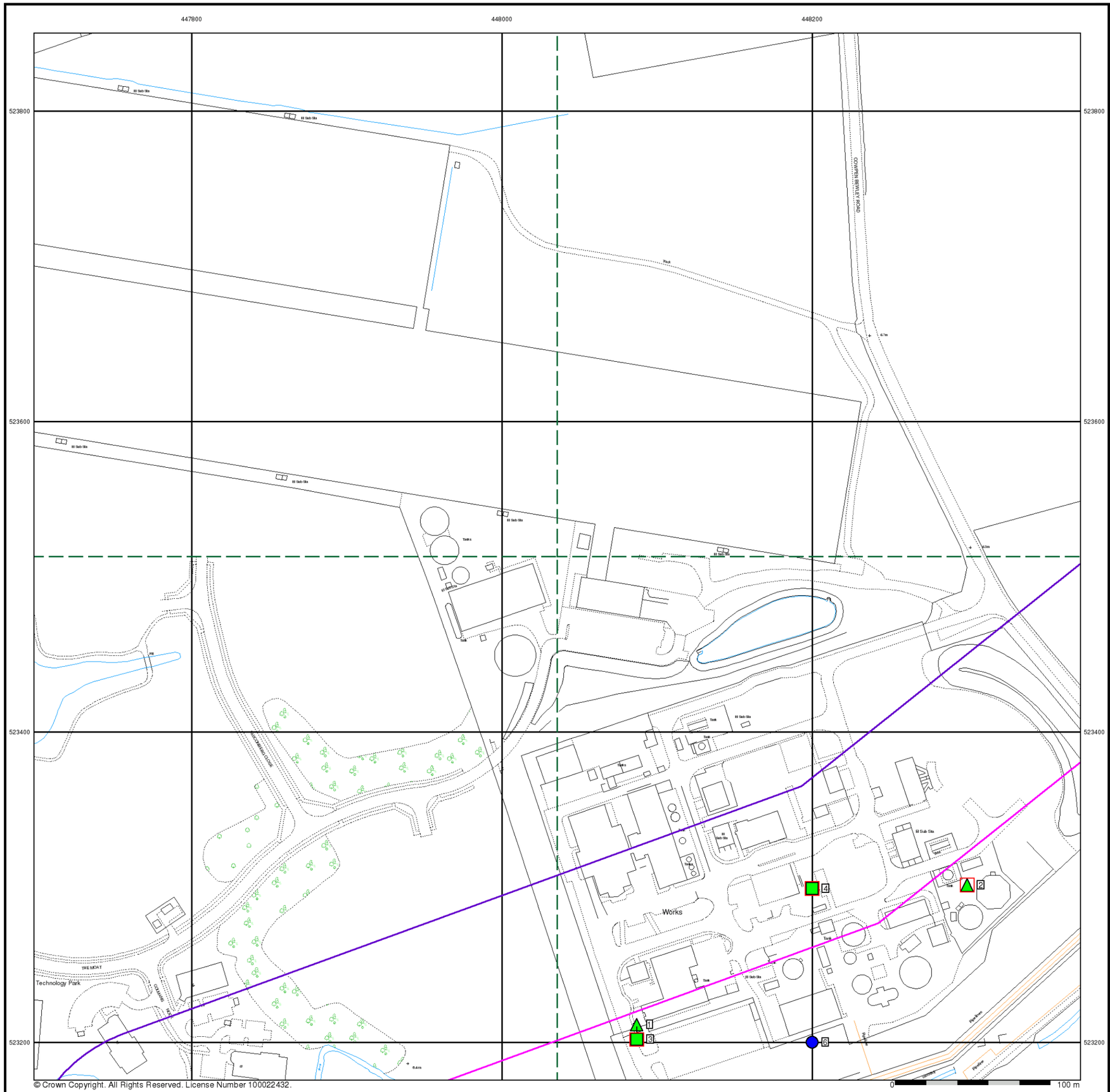


Order Details:

Order Number:	218629364_1_1
Customer Reference:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details:

Teesside Clean Gas Project 1 of 2



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

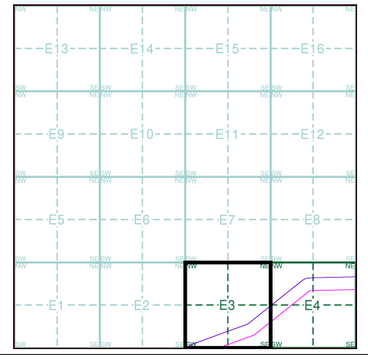
Geological

- 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 E3



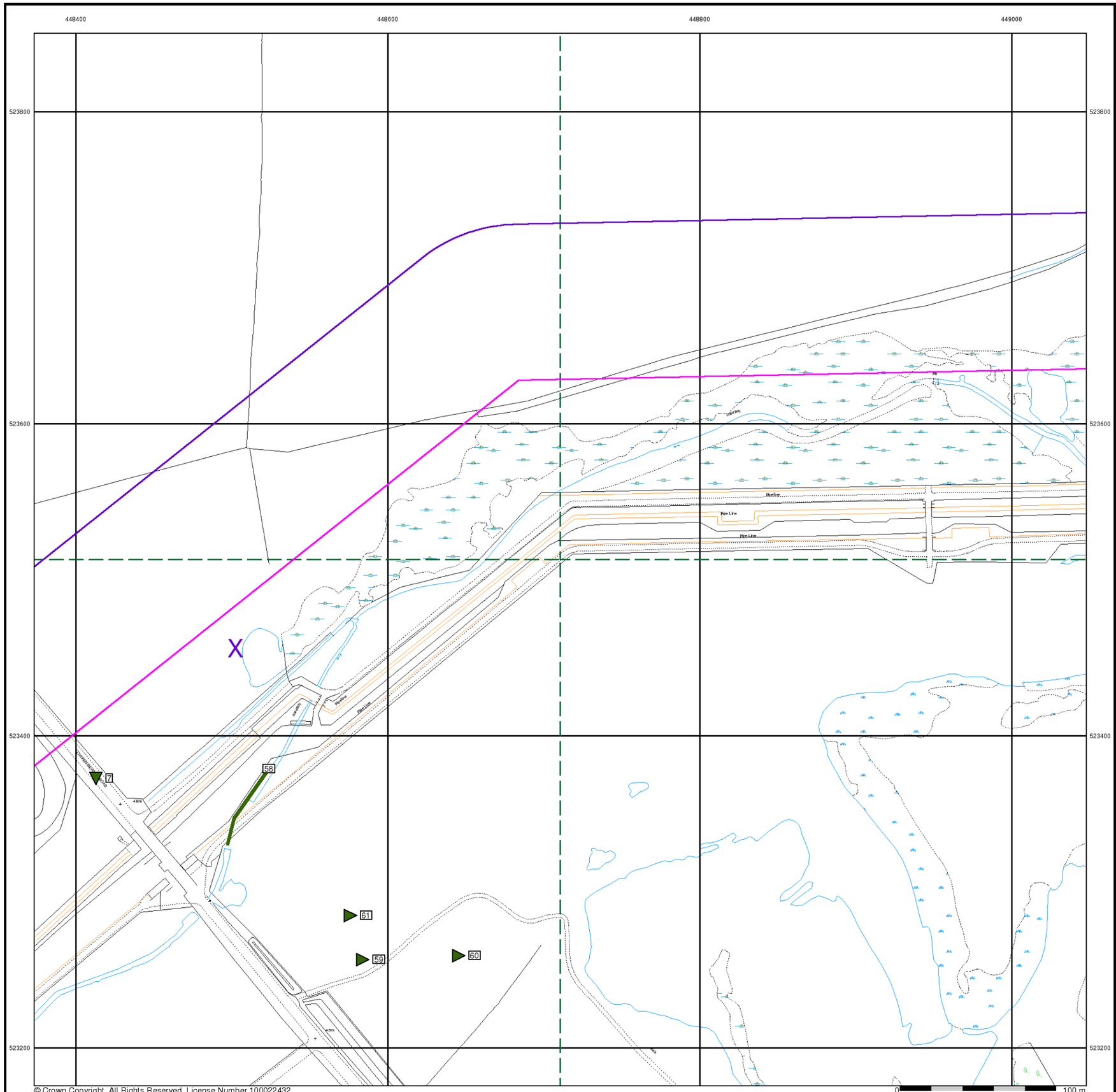
Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
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
- 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)
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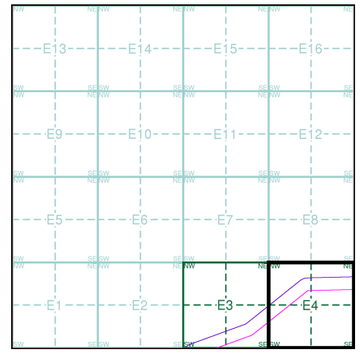
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered 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 E4



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
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

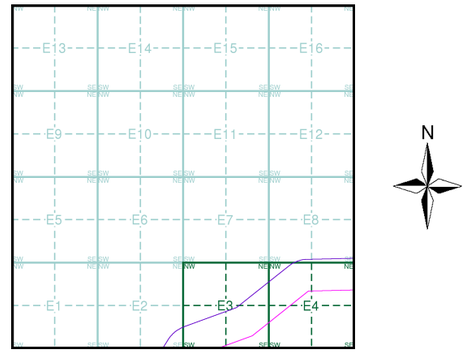
Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- 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 - Slice E



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

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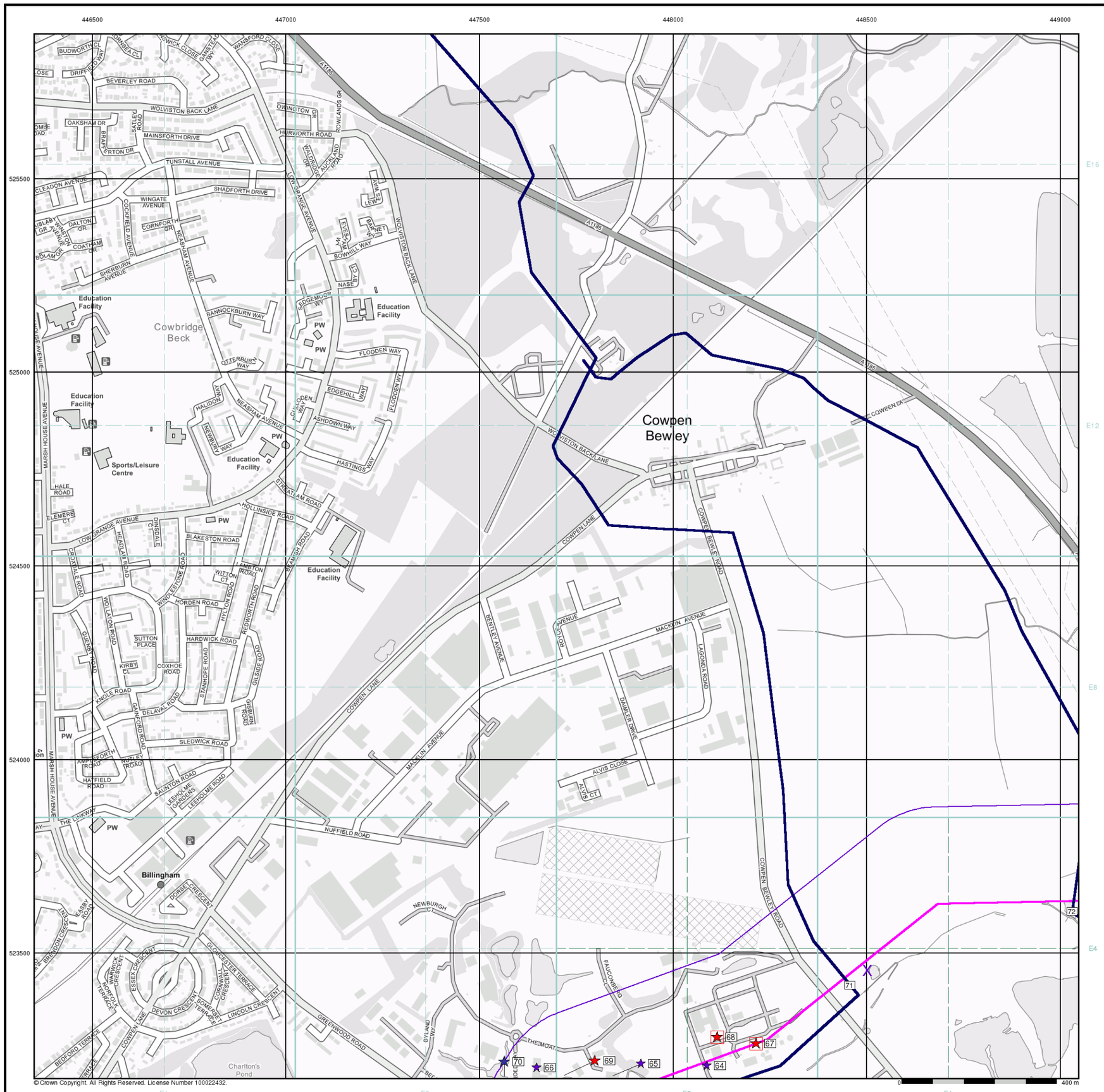

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0 400 m

AECOM

Industrial Land Use Map

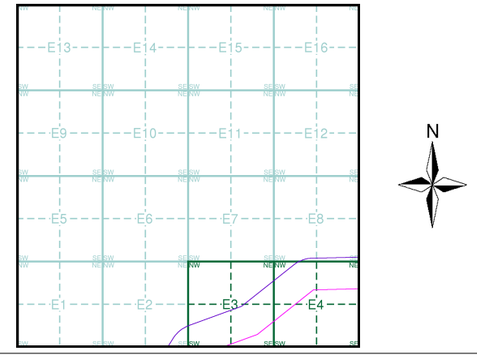
General

- 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 E



Order Details

Order Number:	218629364_1_1
Customer Ref:	60559231/Teesside Clean Gas
National Grid Reference:	448500, 523460
Slice:	E
Site Area (Ha):	1304.99
Search Buffer (m):	250

Site Details

Teesside Clean Gas Project 1 of 2

Landmark INFORMATION GROUP

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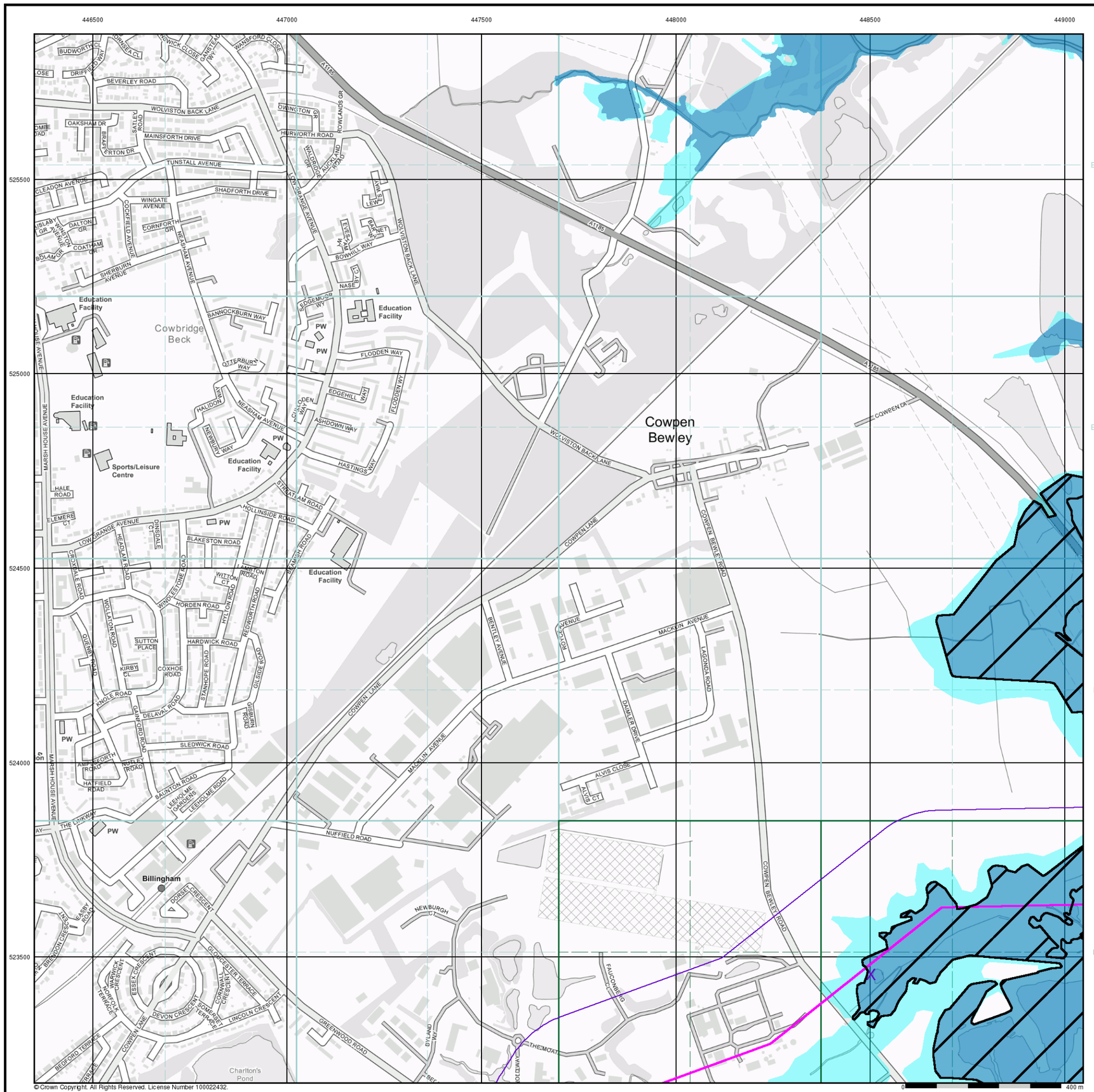


AECOM

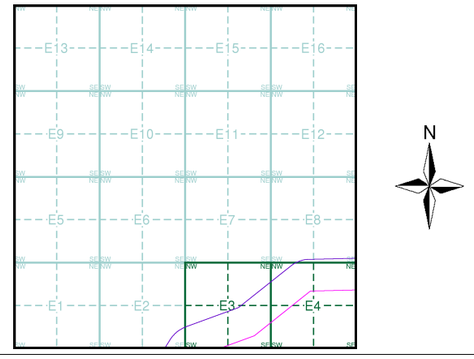
General

- 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 E



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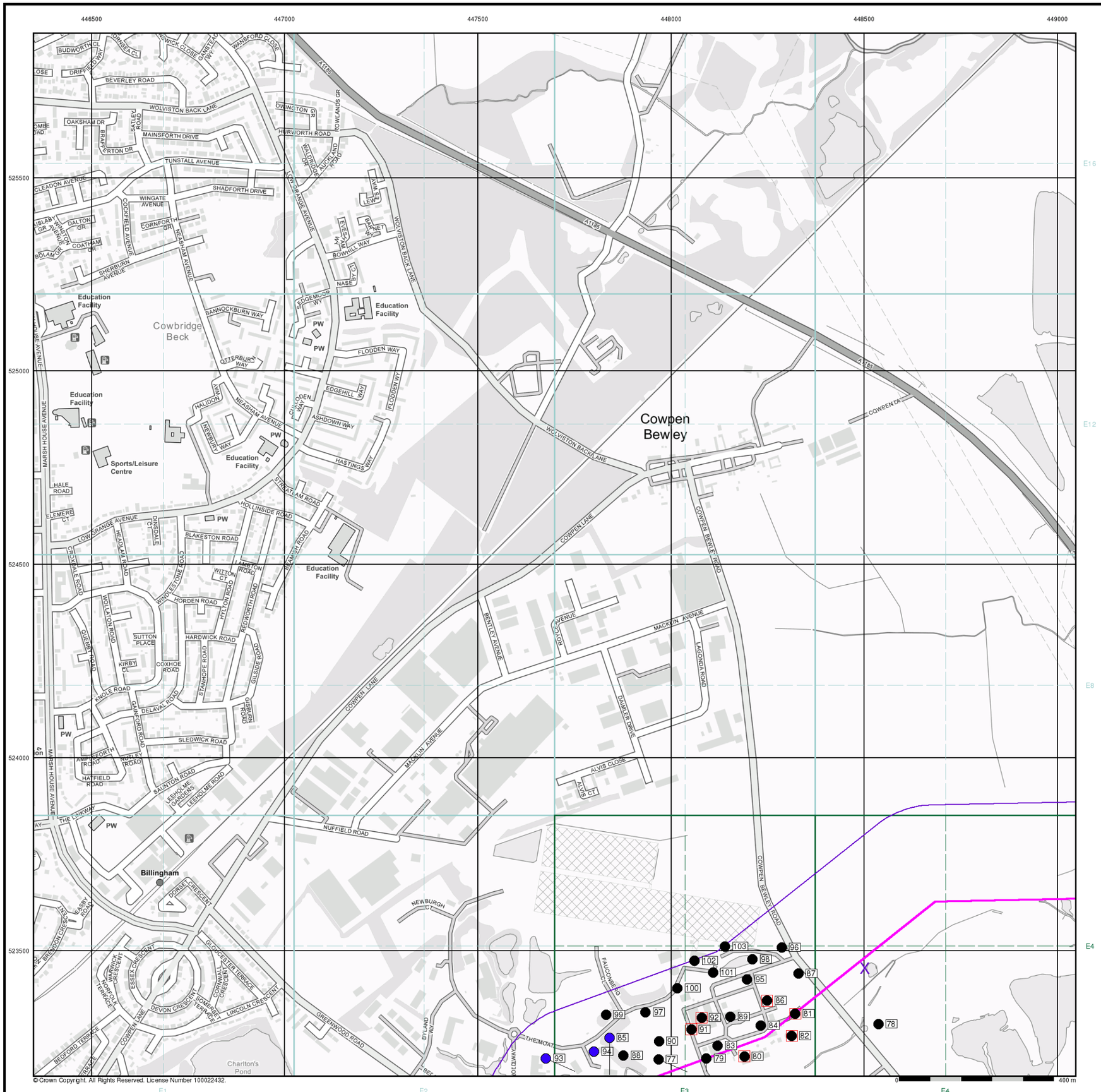


AECOM

General

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

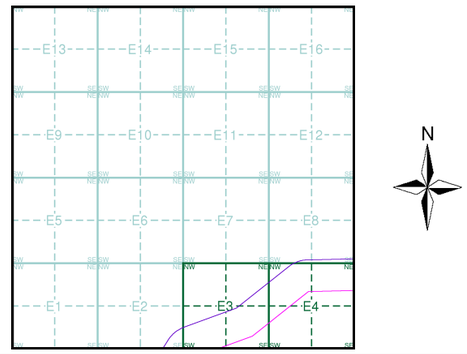
Agency and Hydrological (Boreholes)

- 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 E



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Teesside Clean Gas Project 1 of 2

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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)

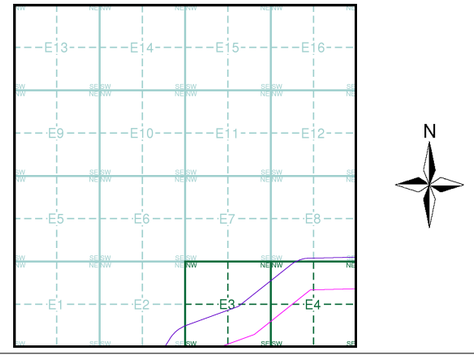
Standard Contour 105 100 95

Master Contour

Spot Height *167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice E



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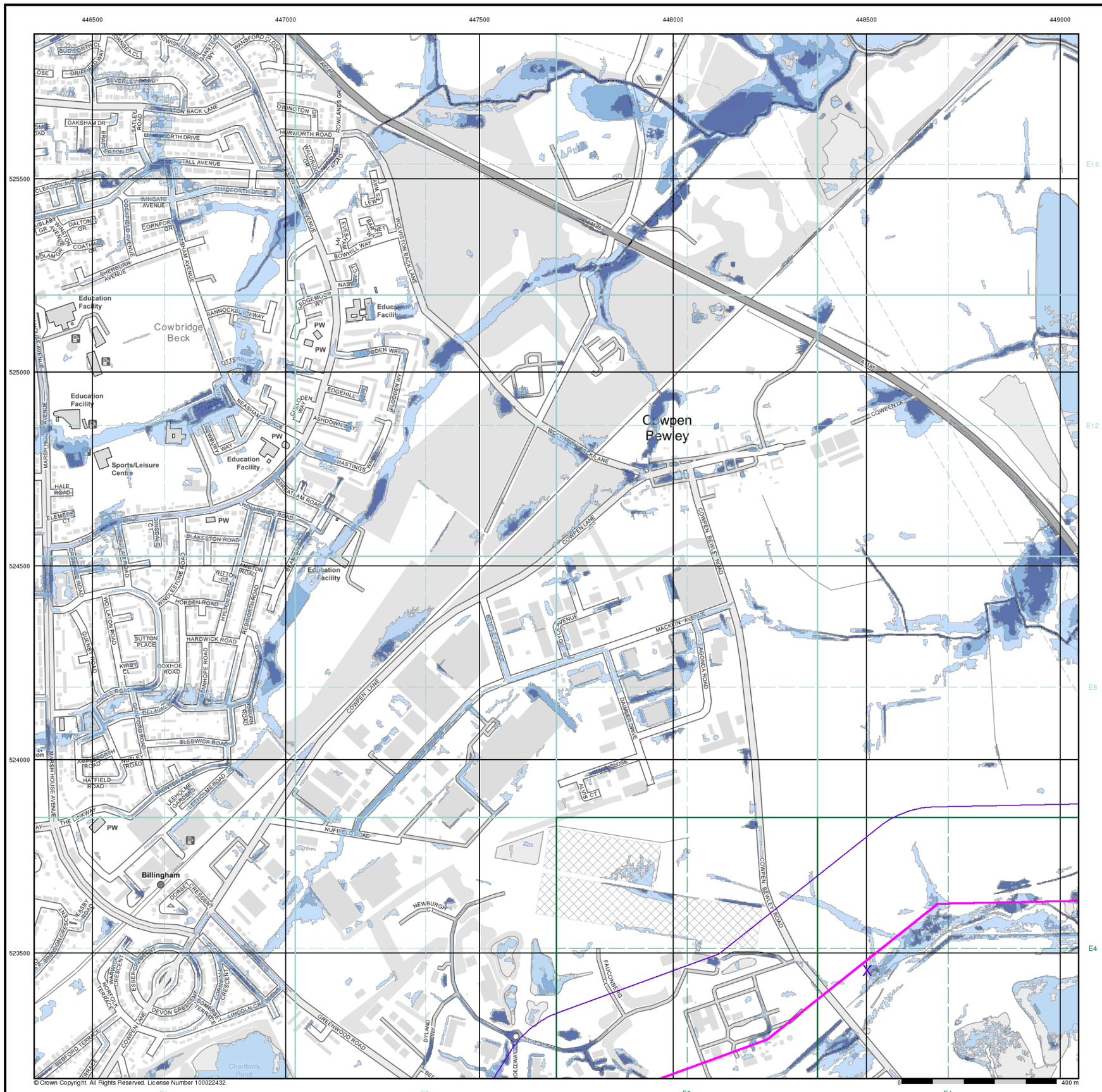


AECOM

General

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

Risk of Flooding from Surface Water

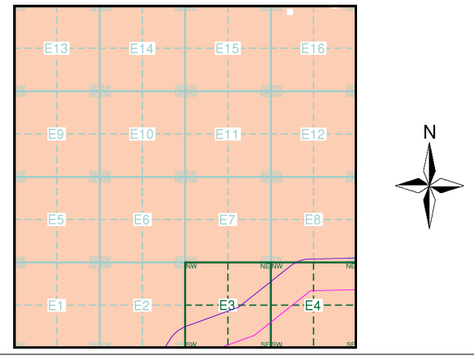
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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 E



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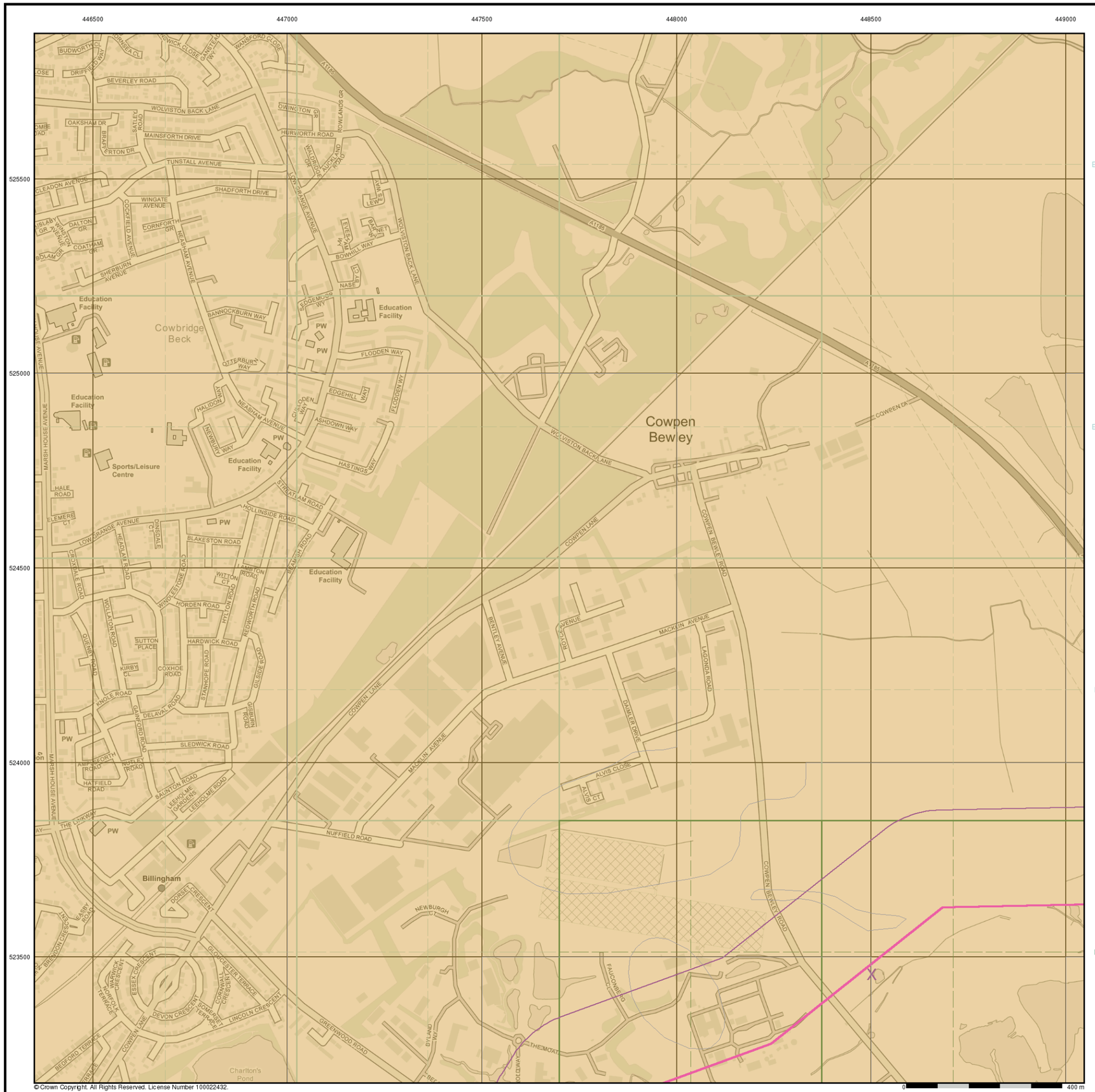


AECOM

General

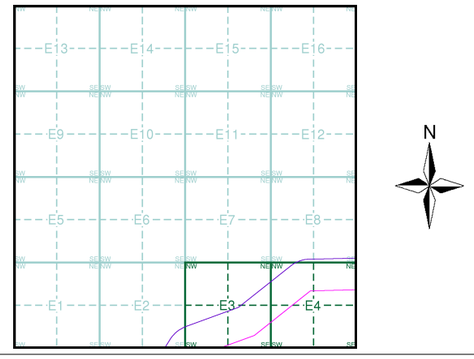
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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 E



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Teesside Clean Gas Project 1 of 2

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AECOM

General

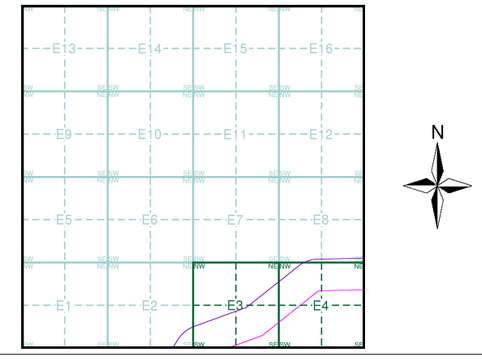
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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 E



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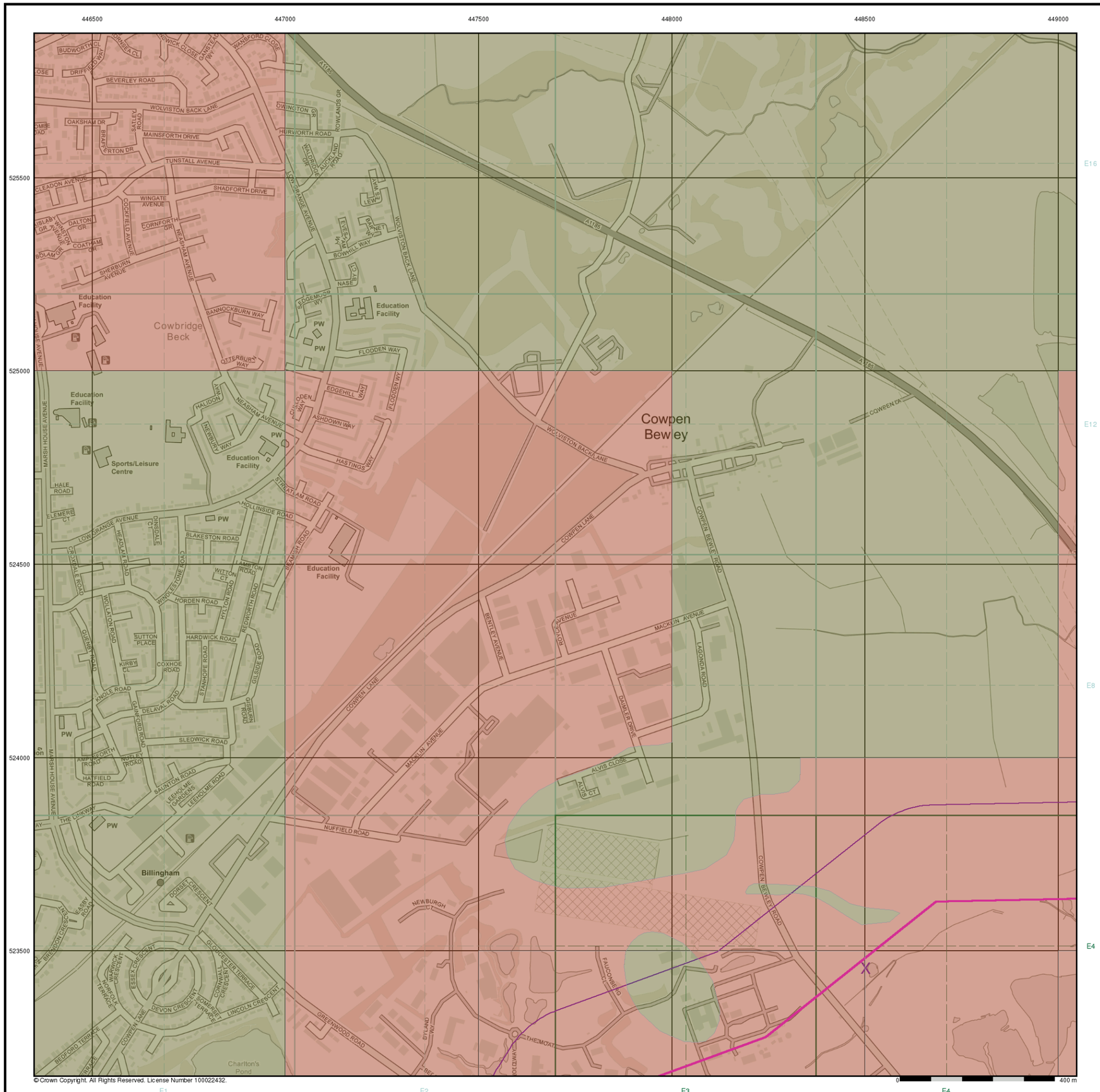


AECOM

General

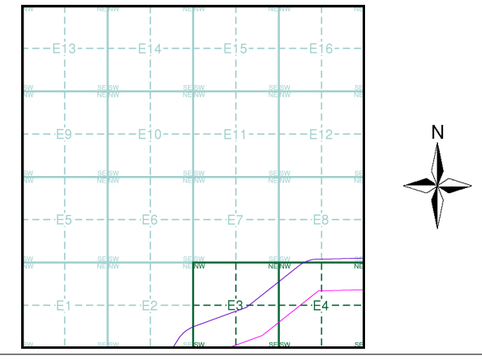
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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 E



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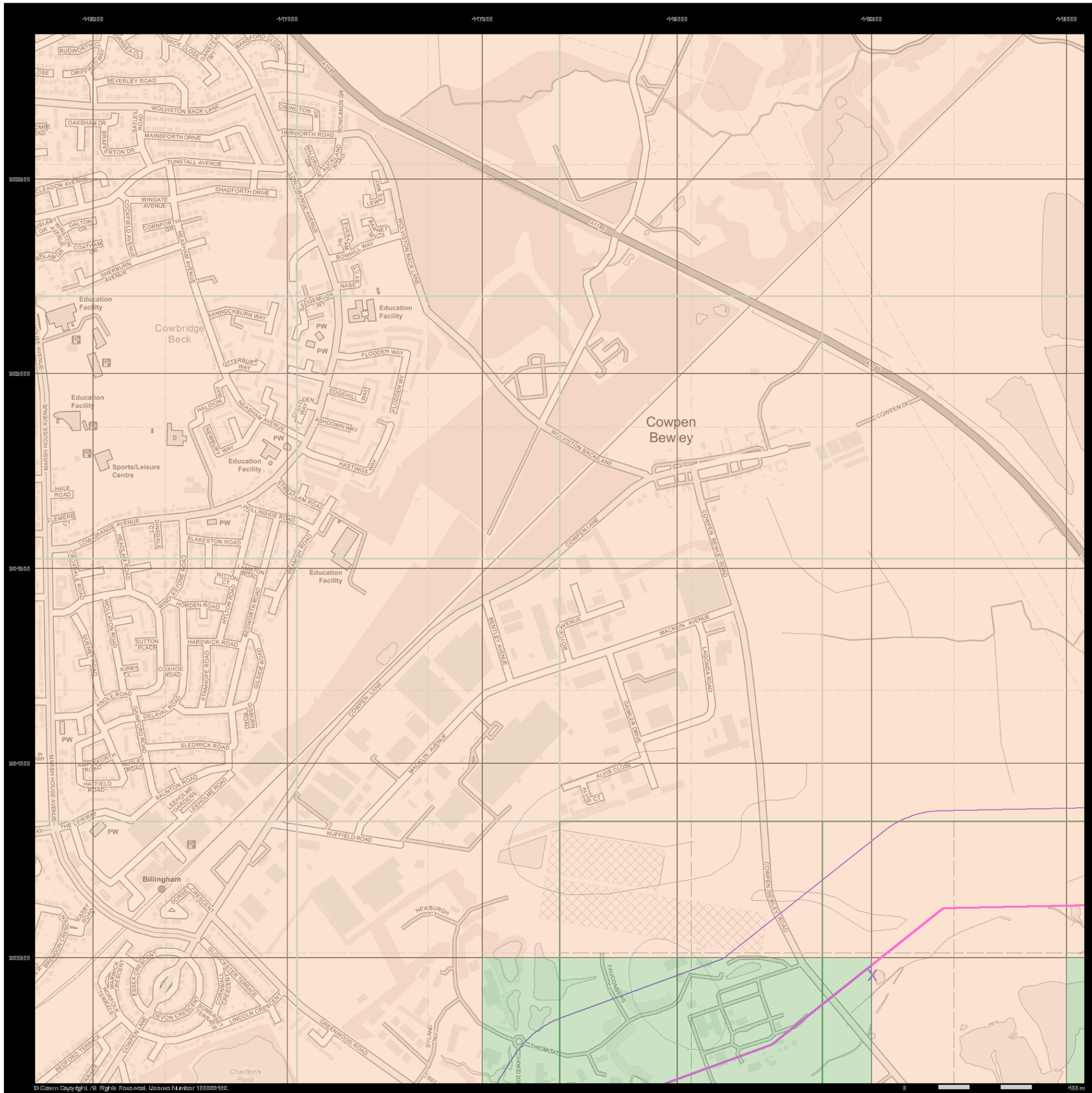


AECOM

General

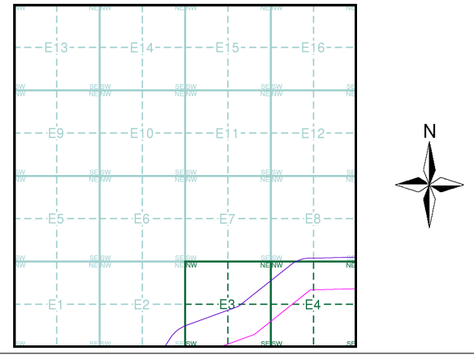
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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 E



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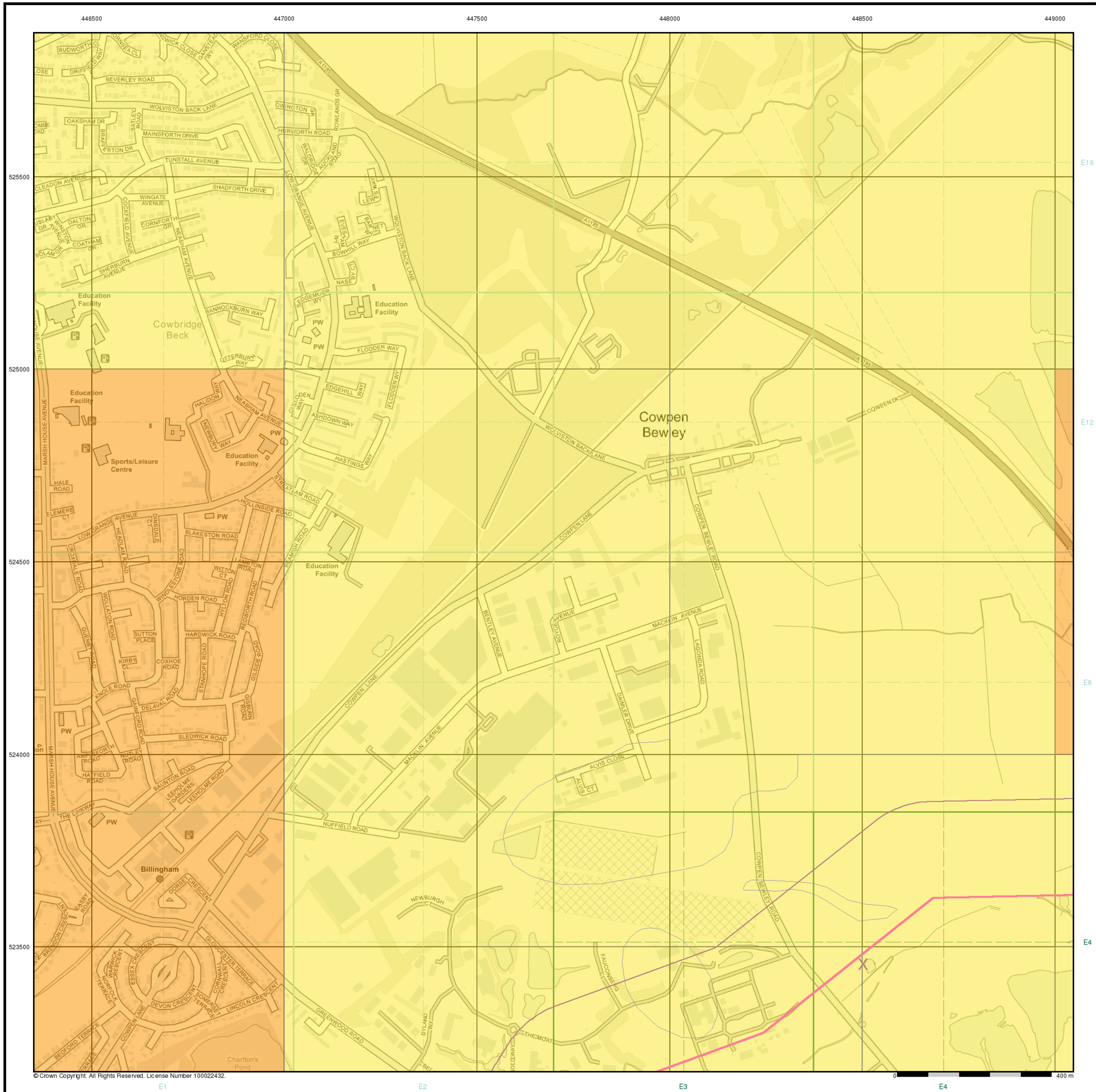

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AECOM

General

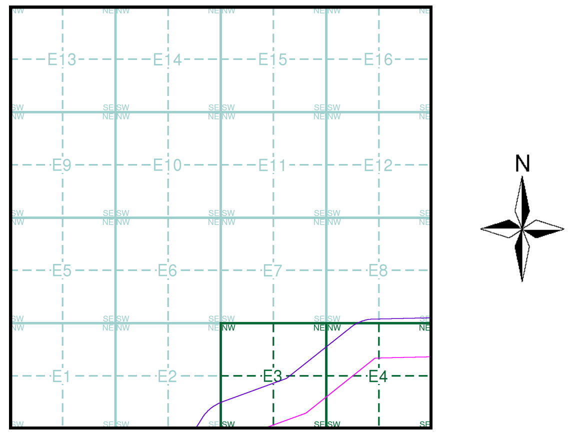
Specified Site   Specified Buffer(s)   X Bearing Reference Point

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 E



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