

# West Burton Solar Project

## Environmental Statement Appendix 11.4: Geo-Environmental Risk Assessment West Burton Cable Corridor (part 5 of 5)

Prepared by: Delta Simons

March 2023

PINS reference: EN010132

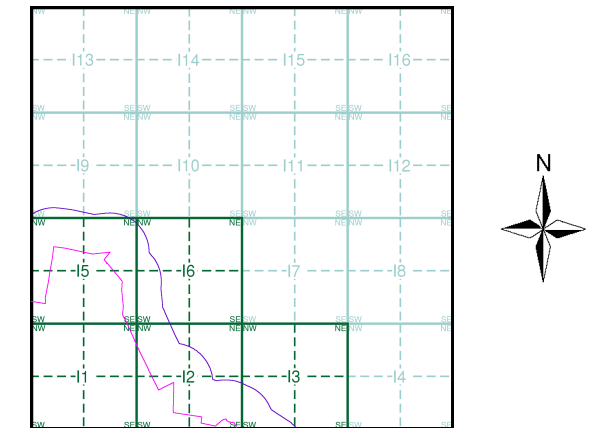
Document reference: APP/WB6.3.11.4

APFP Regulation 5(2)(a)



- 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
- Waste**
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Registered Landfill Site
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

**Site Sensitivity Map - Slice I**

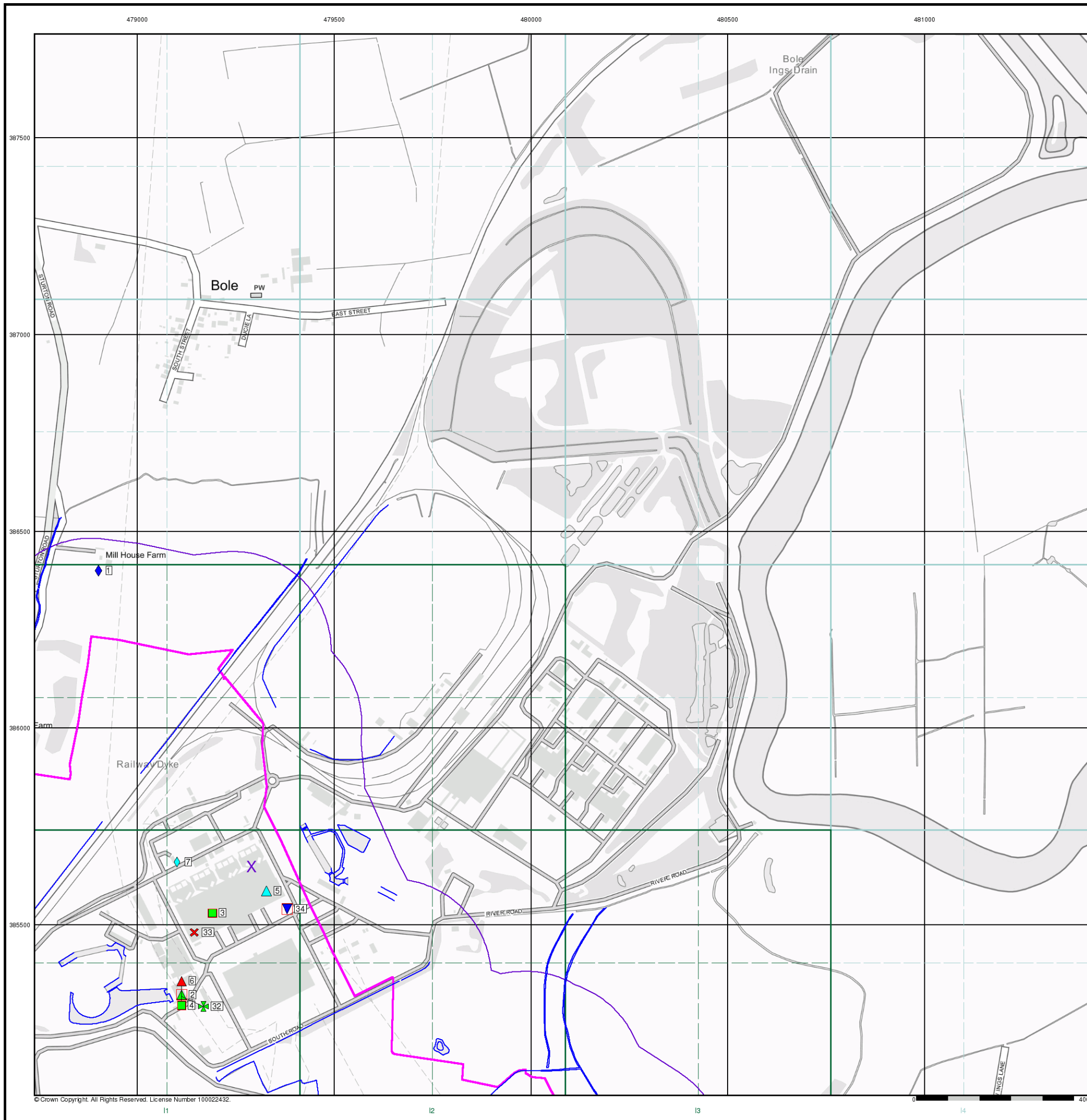


**Order Details**

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: 1  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

**Site Details**

West Barton 2



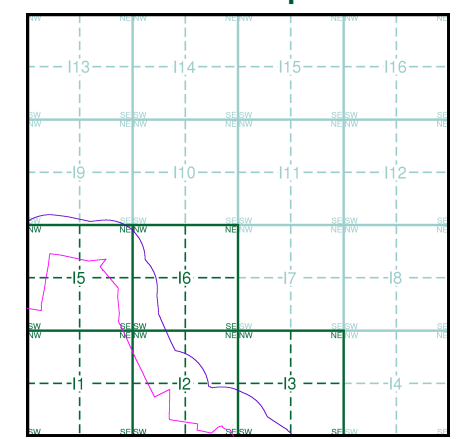
479000 479500 480000 480500 481000



### Industrial Land Use Map

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

### Industrial Land Use Map - Slice I



### Order Details

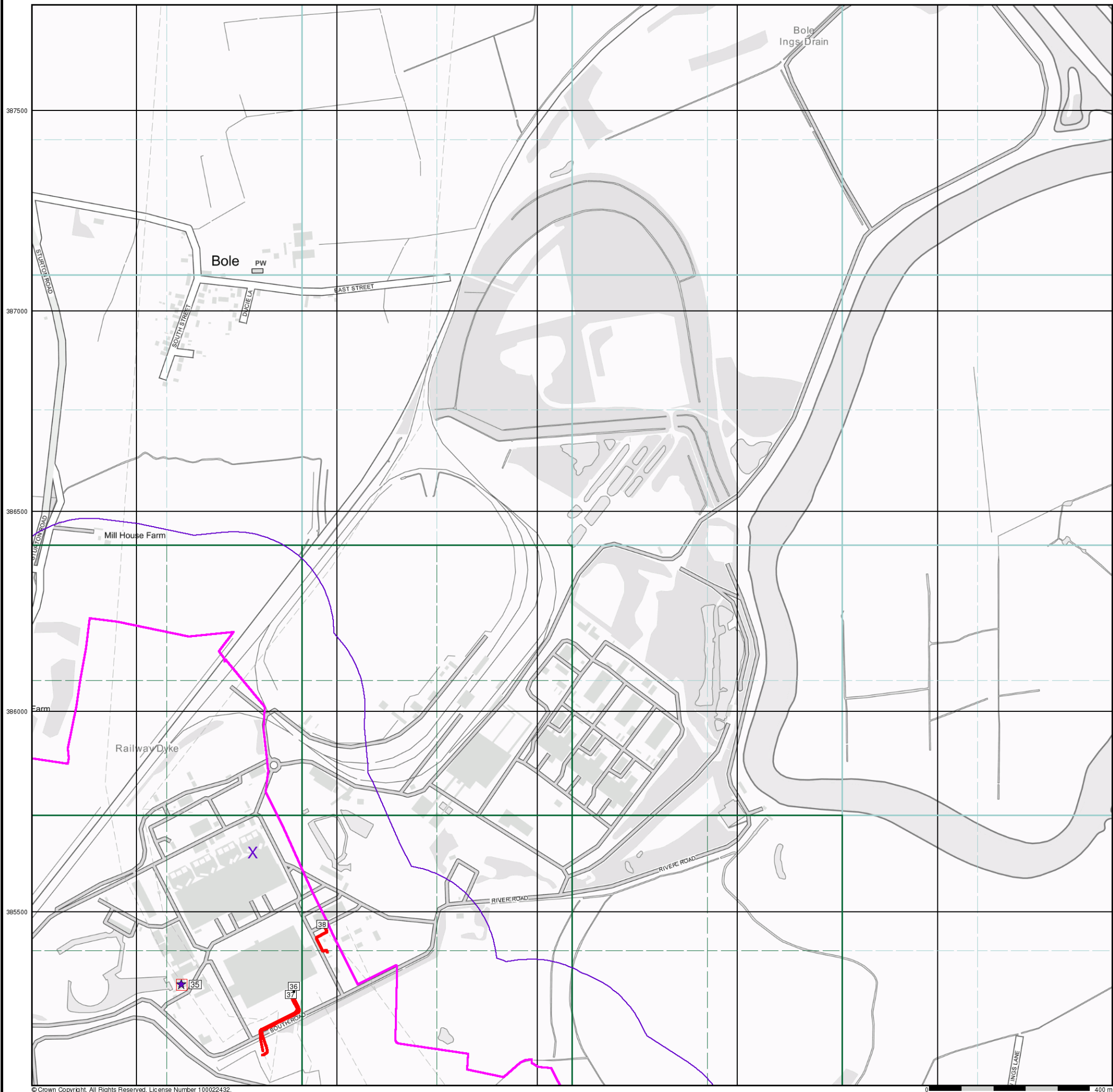
Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: I  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

### Site Details

West Barton 2



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



© Crown Copyright. All Rights Reserved. License Number 100022432.

479000 479500 480000 480500 481000

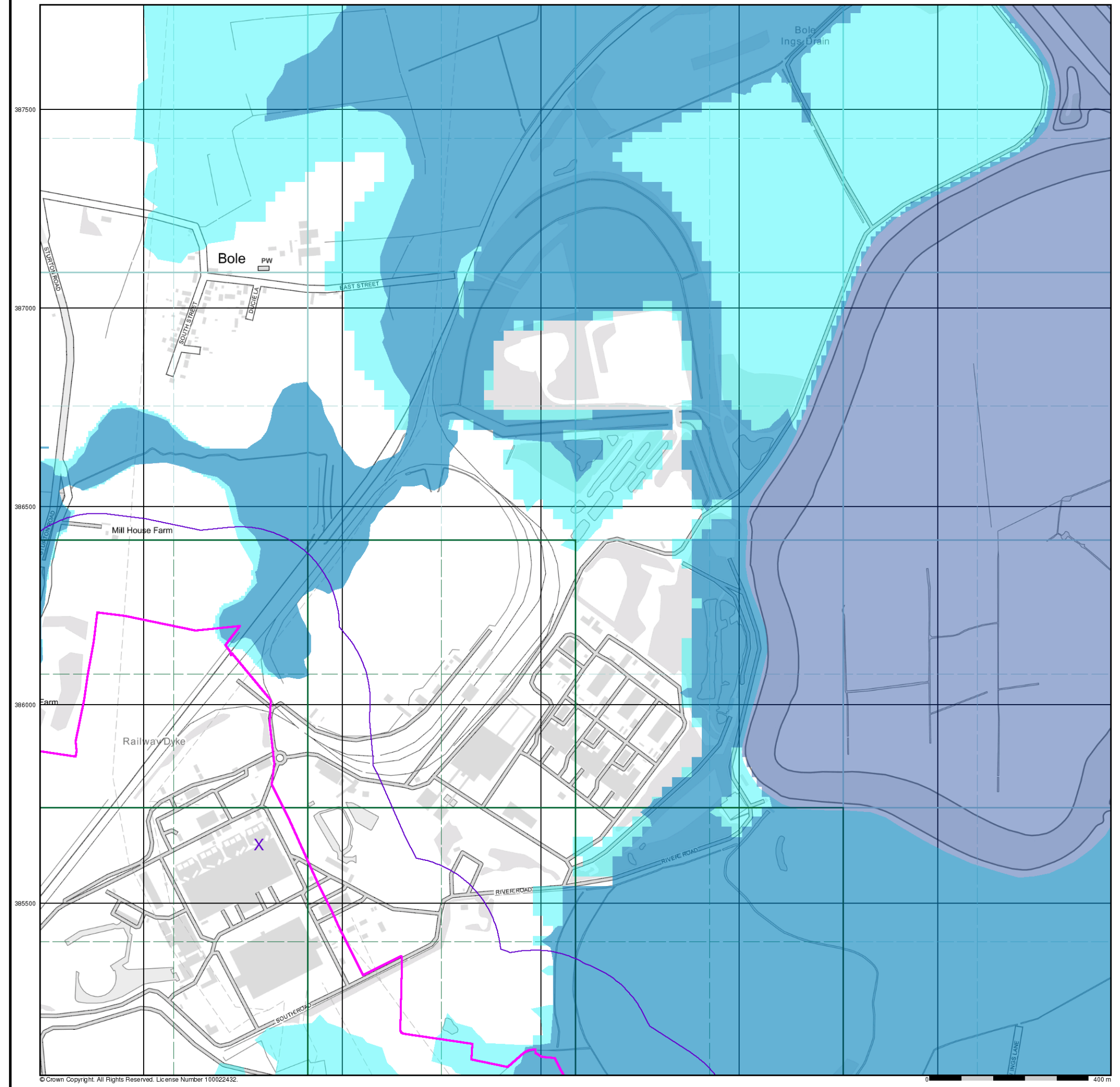


**General**

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

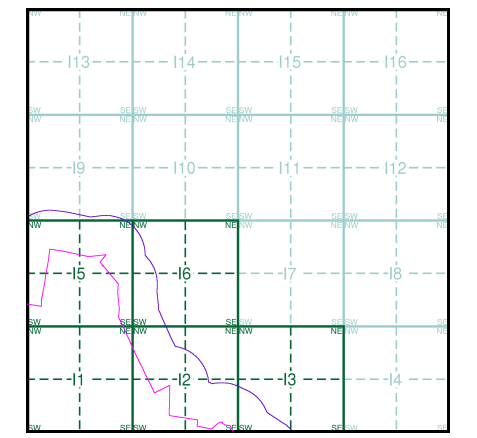
**Agency and Hydrological (Flood)**

- 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



116  
112  
118  
114

**Flood Map - Slice I**



**Order Details**

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: 1  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

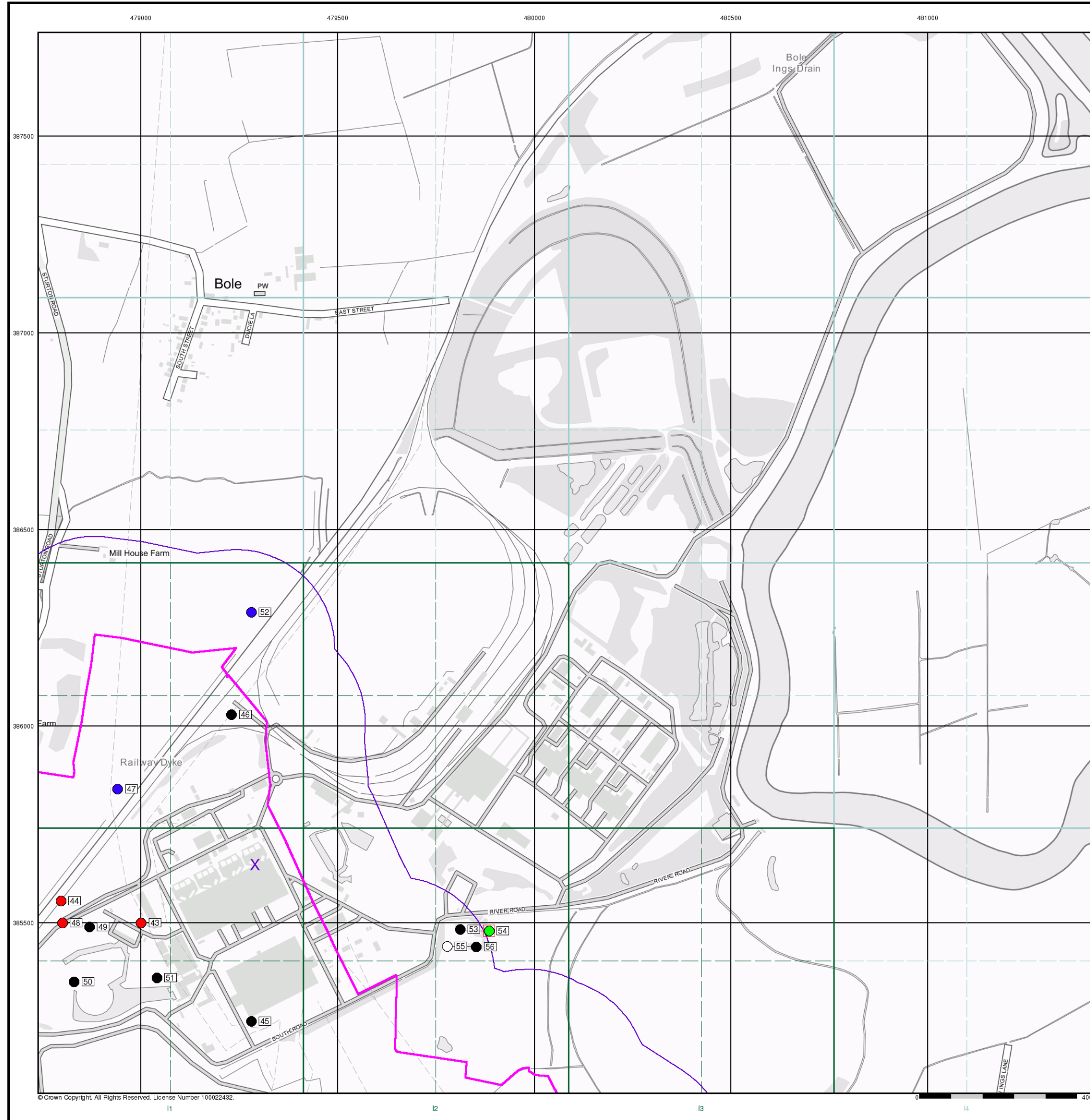
**Site Details**

West Barton 2








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






© Crown Copyright. All Rights Reserved. License Number 100022432.



**General**

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

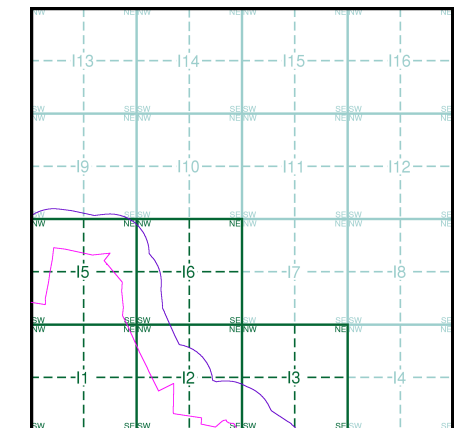
**Agency and Hydrological (Boreholes)**

-  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](http://www.envirocheck.co.uk).

**Borehole Map - Slice I**



**Order Details**

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: I  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

**Site Details**

West Barton 2

479000 479500 480000 480500 481000



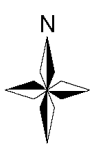
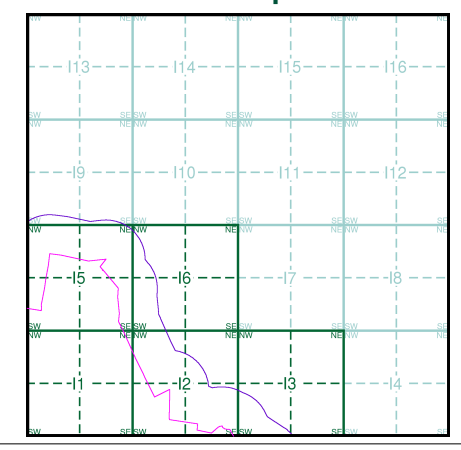
General

- 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

OS Water Network Map - Slice I



Order Details

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: I  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

Site Details

West Barton 2

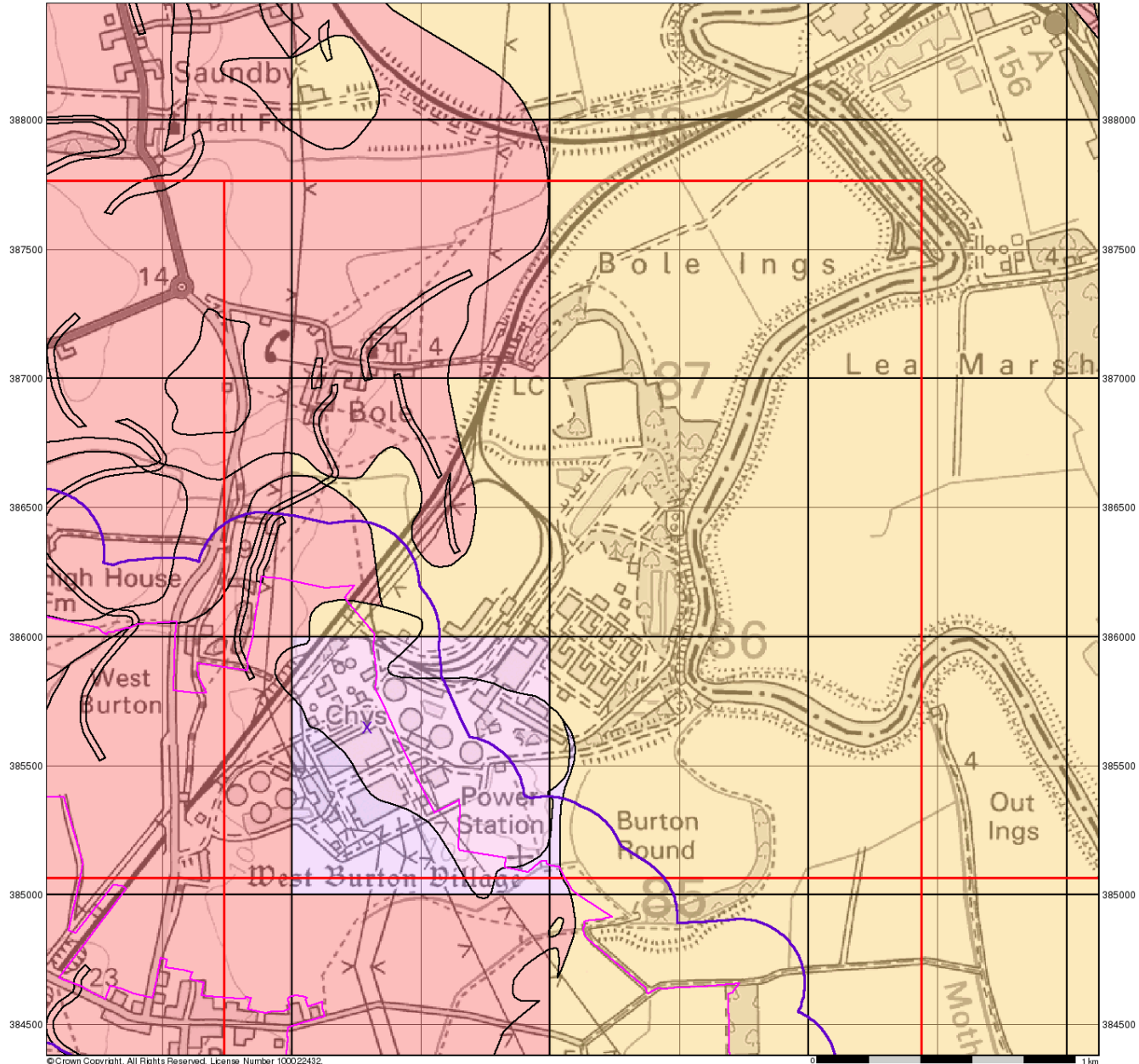


Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



© Crown Copyright. All Rights Reserved. License Number 100022432.

478500 479000 479500 480000 480500 481000 481500 482000



© Crown Copyright. All Rights Reserved. License Number 100022432



## Groundwater Vulnerability

### General

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

### Agency and Hydrological

#### Bedrock Aquifers

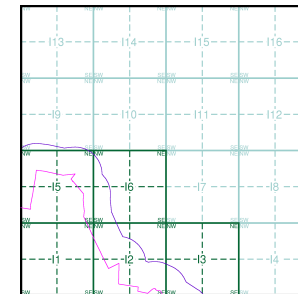
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

#### Superficial Aquifers

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

- Unproductive Aquifer
- Soluble Rock

### Site Sensitivity Context Map - Slice I



### Order Details

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: I  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

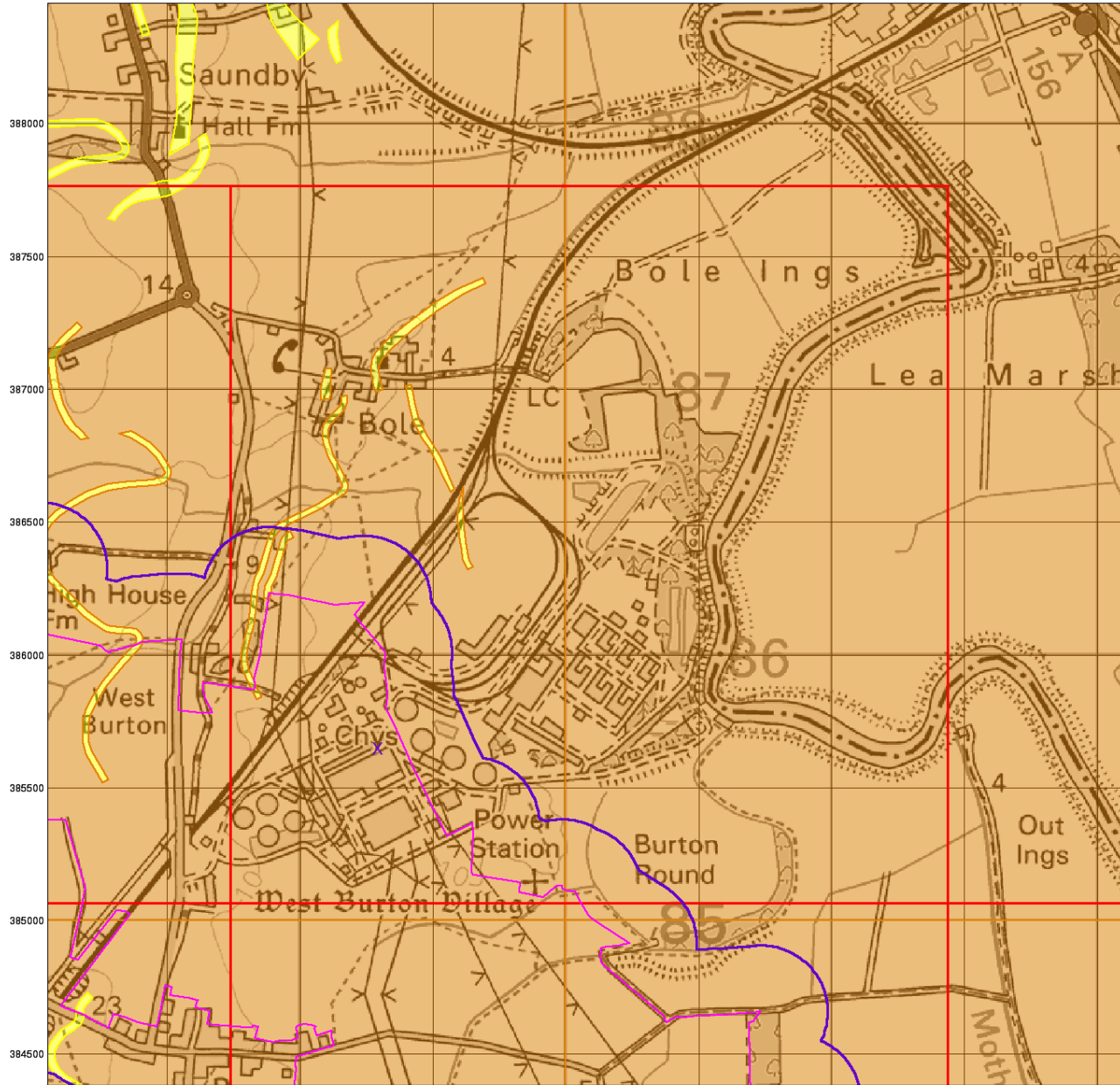
### Site Details

West Barton 2



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

478500 479000 479500 480000 480500 481000 481500 482000



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km



## Bedrock Aquifer Designation

### General

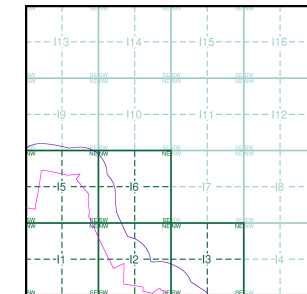
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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 I



### Order Details

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: I  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

### Site Details

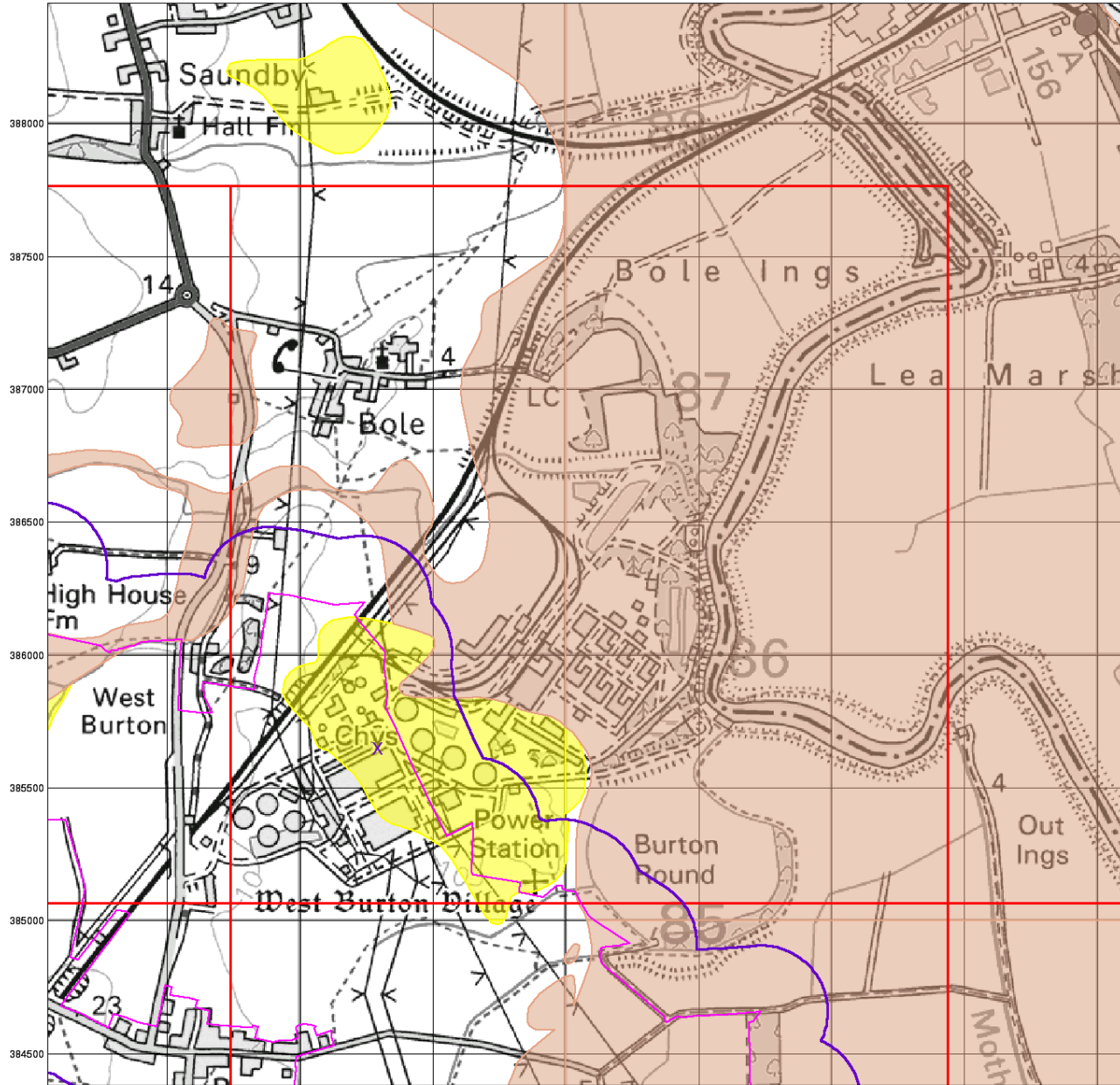
West Barton 2



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



478500 479000 479500 480000 480500 481000 481500 482000



© Crown Copyright. All Rights Reserved. License Number 100022432

0 1 km



## Superficial Aquifer Designation

### General

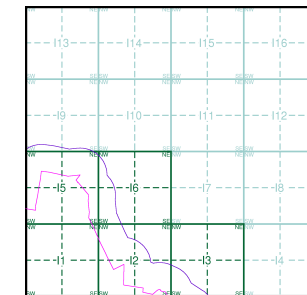
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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 I



### Order Details

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: I  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

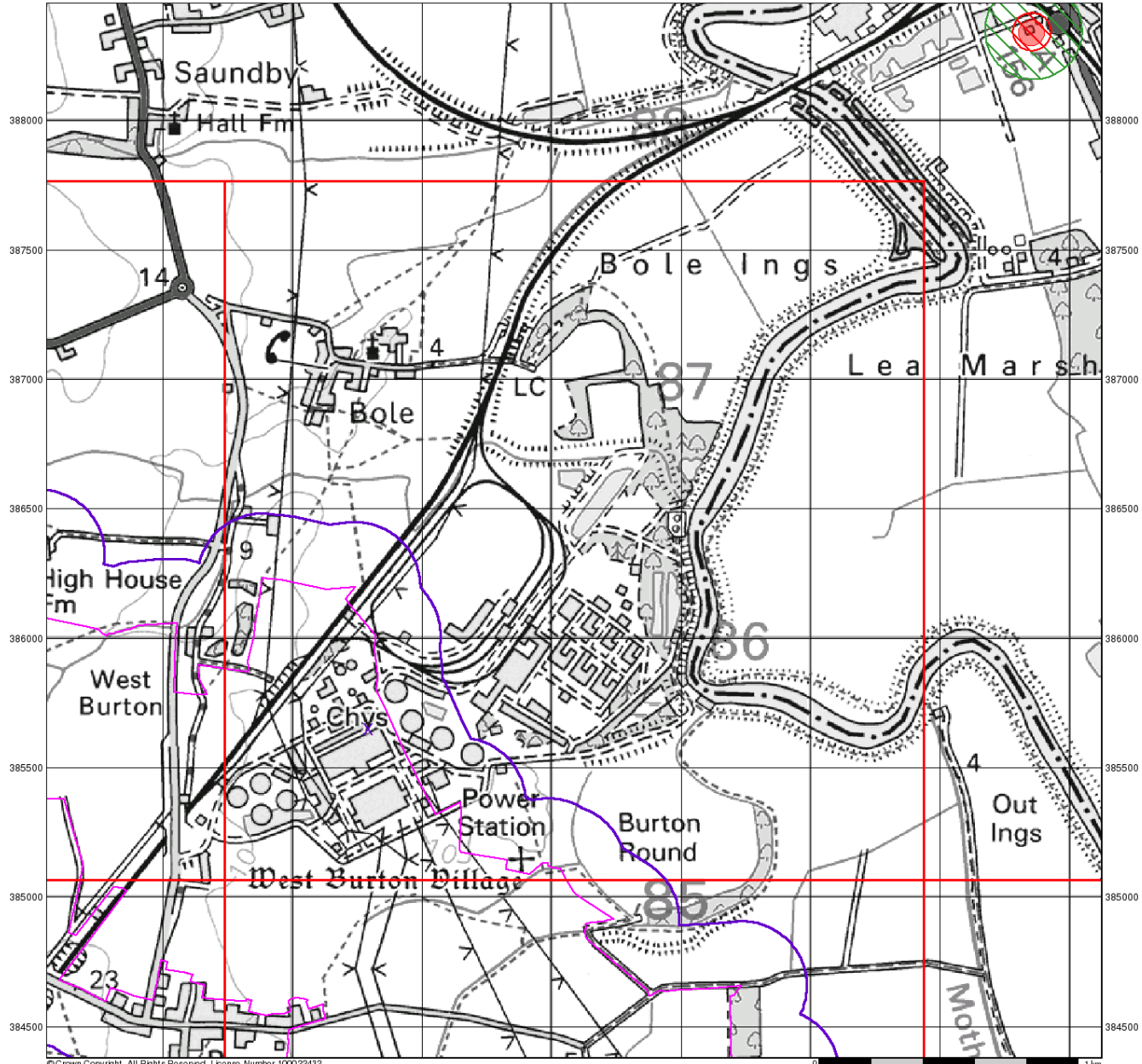
### Site Details

West Barton 2



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

478500 479000 479500 480000 480500 481000 481500 482000



© Crown Copyright. All Rights Reserved. License Number 100022432



## Source Protection Zones

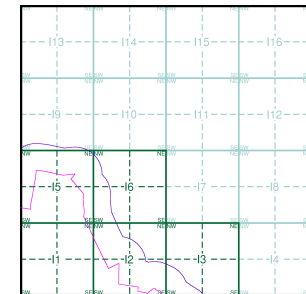
### General

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

### Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

### Site Sensitivity Context Map - Slice I



### Order Details

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: I  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

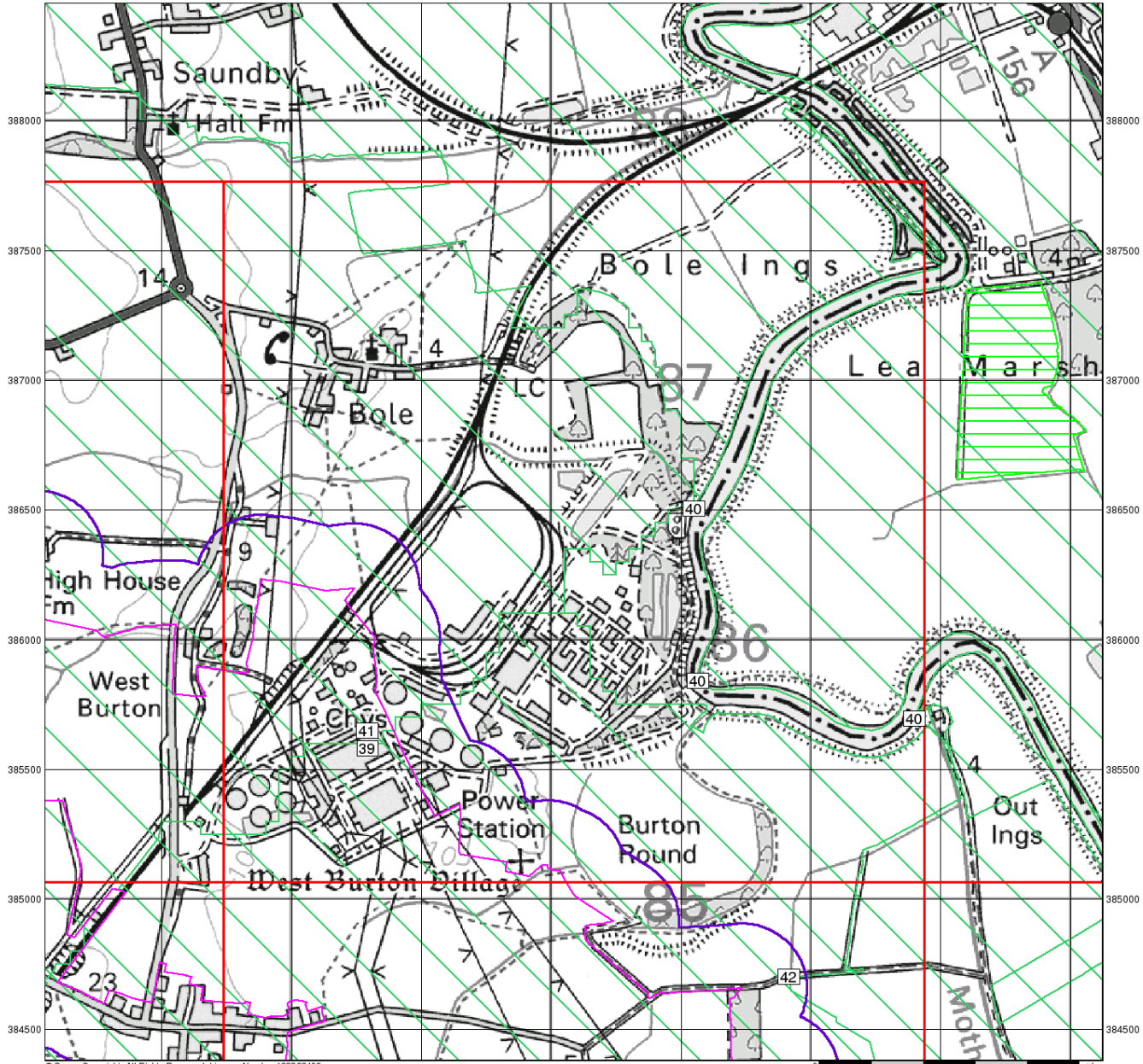
### Site Details

West Barton 2



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

478500 479000 479500 480000 480500 481000 481500 482000



© Crown Copyright. All Rights Reserved. License Number 100022432.



### Sensitive Land Uses

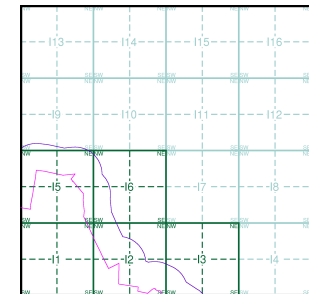
#### General

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

#### Sensitive Land Uses

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

#### Site Sensitivity Context Map - Slice I



#### Order Details

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: I  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

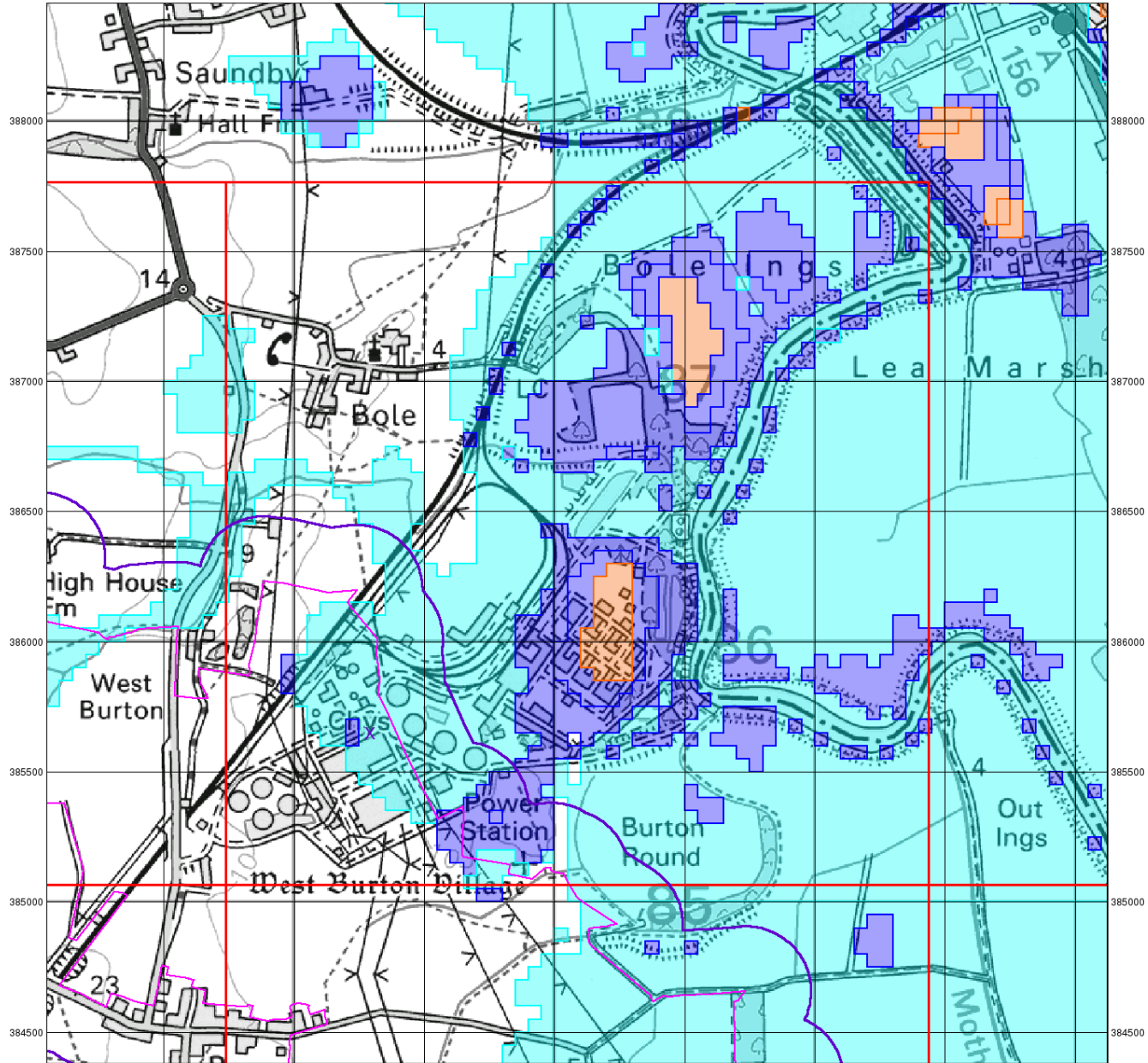
#### Site Details

West Barton 2



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

478500 479000 479500 480000 480500 481000 481500 482000



© Crown Copyright. All Rights Reserved. License Number 100022432



**BGS Flood GFS Data**

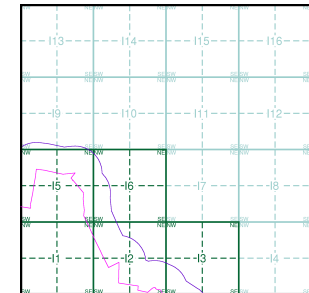
**General**

- 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 I**



**Order Details**

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479290, 385650  
 Slice: I  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

**Site Details**

West Barton 2



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

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

298001706\_1\_1

**Customer Reference:**

21-2098.04

**National Grid Reference:**

474680, 388100

**Slice:**

J

**Site Area (Ha):**

1355.61

**Search Buffer (m):**

250

#### Site Details:

West Barton 2

#### Client Details:

Ms M Booth  
Delta Simons  
Suite 4A  
One Portland Street  
Manchester  
M1 3BE



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	4
Hazardous Substances	-
Geological	5
Industrial Land Use	-
Sensitive Land Use	7
Data Currency	8
Data Suppliers	12
Useful Contacts	13

**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.

**Copyright Notice**

© Landmark Information Group Limited 2022. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report. © Environment Agency & United Kingdom Research and Innovation 2022. © Natural Resources Wales & United Kingdom Research and Innovation 2022.

**Natural England Copyright Notice**

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

**Scottish Natural Heritage Copyright**

Contains SNH information licensed under the Open Government Licence v3.0.

**Ove Arup Copyright Notice**

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

**Stantec Copyright Notice**

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

**Radon Potential dataset Copyright Notice**

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

**Natural Resources Wales Copyright Notice**

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2022. Land & Property Services © Crown copyright and database right.

**Report Version v53.0**

<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m (*up to 500m)</b>
<b>Agency &amp; Hydrological</b>			
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			
Integrated Pollution Prevention And Control			
Local Authority Integrated Pollution Prevention And Control			
Local Authority Pollution Prevention and Controls			
Local Authority Pollution Prevention and Control Enforcements			
Nearest Surface Water Feature	pg 1		Yes
Pollution Incidents to Controlled Waters			
Prosecutions Relating to Authorised Processes			
Registered Radioactive Substances			
River Quality			
River Quality Biology Sampling Points			
River Quality Chemistry Sampling Points			
Substantiated Pollution Incident Register			
Water Abstractions			
Water Industry Act Referrals			
Groundwater Vulnerability Map	pg 1	Yes	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a
Bedrock Aquifer Designations	pg 2	Yes	n/a
Superficial Aquifer Designations	pg 2	Yes	n/a
Source Protection Zones			
Extreme Flooding from Rivers or Sea without Defences			
Flooding from Rivers or Sea without Defences			
Areas Benefiting from Flood Defences			
Flood Water Storage Areas			
Flood Defences			
OS Water Network Lines	pg 2		6

<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m (*up to 500m)</b>
<b>Waste</b>			
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 4	2	n/a
Local Authority Recorded Landfill Sites			
Registered Landfill Sites			
Registered Waste Transfer Sites			
Registered Waste Treatment or Disposal Sites			
<b>Hazardous Substances</b>			
Control of Major Accident Hazards Sites (COMAH)			
Explosive Sites			
Notification of Installations Handling Hazardous Substances (NIHHS)			
Planning Hazardous Substance Consents			
Planning Hazardous Substance Enforcements			
<b>Geological</b>			
BGS 1:625,000 Solid Geology	pg 5	Yes	n/a
BGS Recorded Mineral Sites			
CBSCB Compensation District			n/a
Coal Mining Affected Areas	pg 5	Yes	n/a
Mining Instability			n/a
Man-Made Mining Cavities			
Natural Cavities			
Non Coal Mining Areas of Great Britain			
Potential for Collapsible Ground Stability Hazards	pg 5	Yes	
Potential for Compressible Ground Stability Hazards			
Potential for Ground Dissolution Stability Hazards			
Potential for Landslide Ground Stability Hazards	pg 5	Yes	Yes
Potential for Running Sand Ground Stability Hazards	pg 5	Yes	
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 5	Yes	
Radon Potential - Radon Affected Areas			n/a
Radon Potential - Radon Protection Measures			n/a



Data Type	Page Number	On Site	0 to 250m (*up to 500m)
<b>Industrial Land Use</b>			
Contemporary Trade Directory Entries			
Fuel Station Entries			
Gas Pipelines			
Underground Electrical Cables			
<b>Sensitive Land Use</b>			
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 7	2	1
Ramsar Sites			
Sites of Special Scientific Interest			
Special Areas of Conservation			
Special Protection Areas			
World Heritage Sites			

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	J3SE (SE)	0	1	475100 387900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	234	1	475350 387500
	<b>Nearest Surface Water Feature</b>	J2NW (W)	2	-	474227 388161
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial: <90% Patchiness: Superficial <3m Thickness: Superficial No Data Recharge:	J3SE (SE)	0	2	475100 387880
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial: <90% Patchiness: Superficial <3m Thickness: Superficial No Data Recharge:	J2SE (S)	0	2	474675 388000
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial: <90% Patchiness: Superficial <3m Thickness: Superficial No Data Recharge:	J3SW (E)	0	2	475000 388000
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial: <90% Patchiness: Superficial <3m Thickness: Superficial No Data Recharge:	J2SE (SW)	0	2	474675 388098

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	J3SW (E)	0	2	475000 388098
	<b>Groundwater Vulnerability - Soluble Rock Risk</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - B	J2SE (SW)	0	2	474675 388098
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - B	J3SW (E)	0	2	475000 388098
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	J3SE (SE)	0	2	475100 387880
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
1	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 204.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	J2NW (W)	2	3	474227 388161
2	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 442.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	J2NE (N)	129	3	474663 388377
3	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 151.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	J2NW (NW)	194	3	474269 388358
4	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 178.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	J2NW (NW)	195	3	474269 388358



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 20.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	J2NE (N)	225	3	474662 388378
6	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 385.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	J2NE (N)	240	3	474659 388393



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: Bassetlaw District Council - Has no landfill data to supply		0	4	474675 388098
	<b>Local Authority Landfill Coverage</b> Name: Nottinghamshire County Council - Has no landfill data to supply		0	5	474675 388098

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Triassic Rocks (Undifferentiated)	J2SE (SW)	0	1	474675 388098
	<b>Coal Mining Affected Areas</b> Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	J2SE (SW)	0	6	474675 388098
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J2SE (SW)	0	1	474675 388098
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J3SW (E)	0	1	475000 388098
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J3SW (E)	0	1	475000 388098
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J2SE (SW)	0	1	474675 388098
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J2SE (SW)	0	1	474675 388098
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J3SW (E)	0	1	475000 388098
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J2SE (SW)	0	1	474675 388098
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J3SW (E)	0	1	475000 388098
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	J3SE (E)	0	1	475065 387937
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	J2NE (NW)	81	1	474418 388259
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J3SE (SE)	0	1	475100 387880
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J2SE (SW)	0	1	474675 388098
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J3SW (E)	0	1	475000 388098
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J2SE (SW)	0	1	474675 388098
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J3SW (E)	0	1	475000 388098
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J2NE (NW)	0	1	474541 388287
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J7SW (NE)	248	1	474989 388477



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Radon Potential - Radon Affected Areas</b> 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	J2SE (SW)	0	1	474675 388098
	<b>Radon Potential - Radon Affected Areas</b> 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	J3SW (E)	0	1	475000 388098
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	J2SE (SW)	0	1	474675 388098
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	J3SW (E)	0	1	475000 388098



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<b>Nitrate Vulnerable Zones</b> Name: Wheatley Beck Catchment (Trib Of Trent) Nvz Description: Surface Water Source: Environment Agency, Head Office	(S)	0	2	474830 387386
8	<b>Nitrate Vulnerable Zones</b> Name: River Idle From River Ryton To River Trent Nvz Description: Surface Water Source: Environment Agency, Head Office	J2SE (SW)	0	2	474675 388098
9	<b>Nitrate Vulnerable Zones</b> Name: R Trent From Carlton-On-Trent To Laughton Drain Nvz Description: Surface Water Source: Environment Agency, Head Office	J4NW (E)	242	2	475395 388147




<b>Agency &amp; Hydrological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contaminated Land Register Entries and Notices</b> Bassetlaw District Council - Environmental Health Department Environment Agency - Head Office	January 2020 June 2020	Annual Rolling Update Annually
<b>Discharge Consents</b> Environment Agency - Midlands Region	April 2022	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Midlands Region	March 2013	
<b>Integrated Pollution Controls</b> Environment Agency - Midlands Region	January 2009	
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Midlands Region	April 2022	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Bassetlaw District Council - Environmental Health Department	August 2014	Variable
<b>Local Authority Pollution Prevention and Controls</b> Bassetlaw District Council - Environmental Health Department	August 2014	Not Applicable
<b>Local Authority Pollution Prevention and Control Enforcements</b> Bassetlaw District Council - Environmental Health Department	August 2014	Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	May 2022	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Midlands Region	December 1999	
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Midlands Region	July 2015	
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Midlands Region	March 2013	
<b>Registered Radioactive Substances</b> Environment Agency - Midlands Region	June 2016	As notified
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	April 2012	
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	April 2012	
<b>Substantiated Pollution Incident Register</b> Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2022 April 2022	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Midlands Region	April 2022	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Midlands Region	October 2017	
<b>Groundwater Vulnerability Map</b> Environment Agency - Head Office	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Superficial Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	May 2021	Bi-Annually
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2022	Quarterly

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

<b>Hazardous Substances</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	January 2022	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	August 2001	
<b>Planning Hazardous Substance Enforcements</b> Bassetlaw District Council - Environmental Health Department Nottinghamshire County Council	April 2015 August 2007	Variable Variable
<b>Planning Hazardous Substance Consents</b> Bassetlaw District Council - Environmental Health Department Nottinghamshire County Council	April 2015 August 2007	Variable Variable
<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	As notified
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	June 1998	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually

<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	April 2022	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	June 2022	Quarterly
<b>Gas Pipelines</b> National Grid	October 2021	Bi-Annually
<b>Underground Electrical Cables</b> National Grid	May 2021	Bi-Annually
<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Ancient Woodland</b> Natural England	February 2021	Bi-Annually
<b>Areas of Adopted Green Belt</b> Bassetlaw District Council	October 2020	Quarterly
<b>Areas of Unadopted Green Belt</b> Bassetlaw District Council	October 2020	Quarterly
<b>Areas of Outstanding Natural Beauty</b> Natural England	January 2021	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	February 2021	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2019	Bi-Annually
<b>National Nature Reserves</b> Natural England	January 2021	Bi-Annually
<b>National Parks</b> Natural England	February 2018	Bi-Annually
<b>Nitrate Sensitive Areas</b> Natural England	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
<b>Ramsar Sites</b> Natural England	August 2020	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	February 2021	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	July 2020	Bi-Annually
<b>Special Protection Areas</b> Natural England	February 2021	Bi-Annually

A selection of organisations who provide data within this report

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



Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: [REDACTED]
2	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
3	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
4	<b>Bassetlaw District Council - Environmental Health Department</b> Queens Buildings, Potter Street, Worksop, Nottinghamshire, S80 2AH	Telephone: 01909 533533 Fax: 01909 731111 Website: www.bassetlaw.gov.uk
5	<b>Nottinghamshire County Council - Environment Department</b> 5th Floor, Trentbridge House, Fox Road, Nottingham, Nottinghamshire, NG2 6BJ	Telephone: 0115 977 4383 Website: www.nottinghamshire.gov.uk
6	<b>The Coal Authority - Property Searches</b> 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: [REDACTED]
7	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: [REDACTED]
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: [REDACTED]
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: [REDACTED]

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

### Index Map

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

#### Slice

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

#### Segment

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

#### Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

### Client Details

Ms M Booth, Delta Simons, Suite 4A, One Portland Street, Manchester, M1 3BE

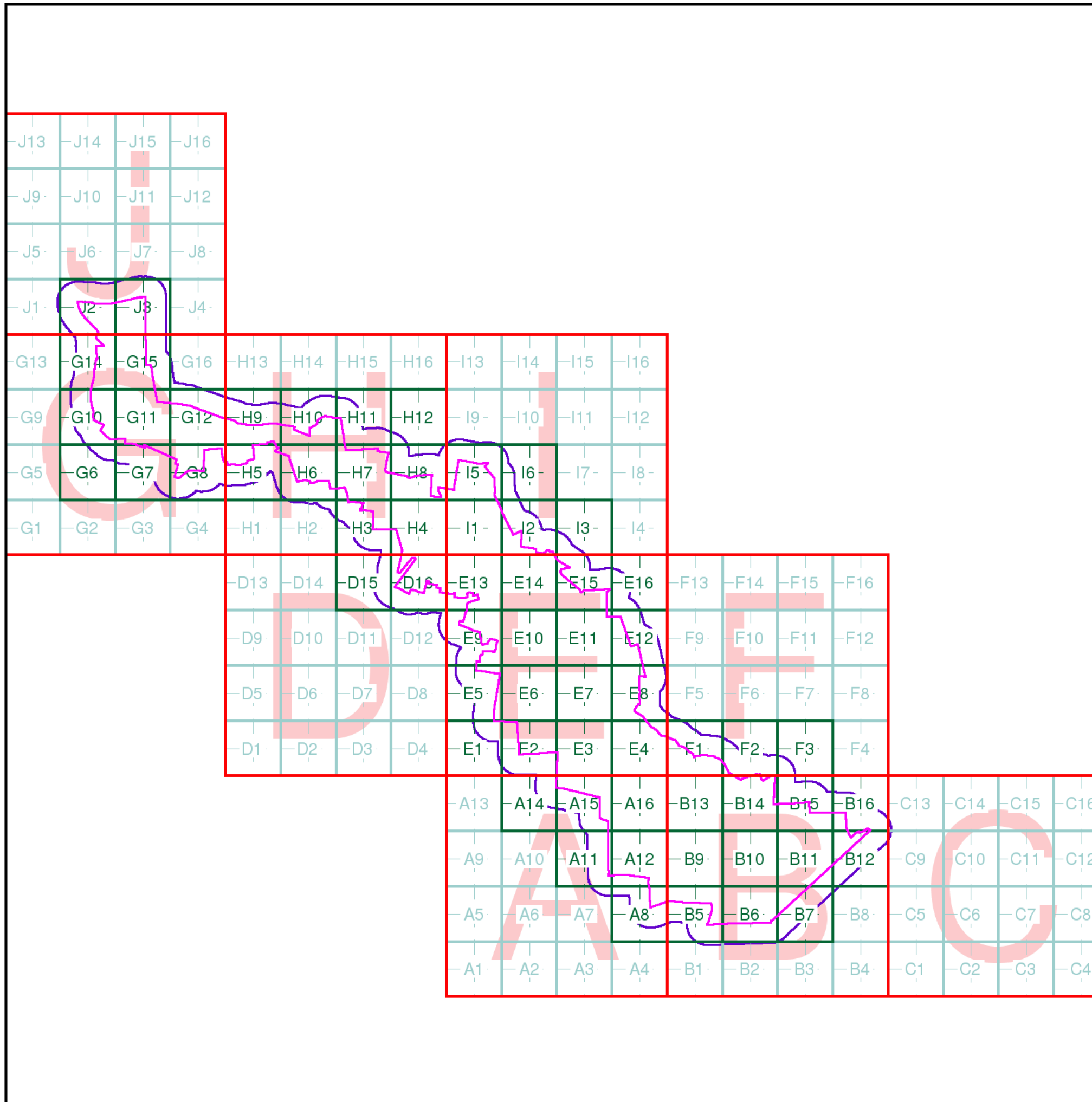
### Order Details

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 479650, 383890  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

### Site Details

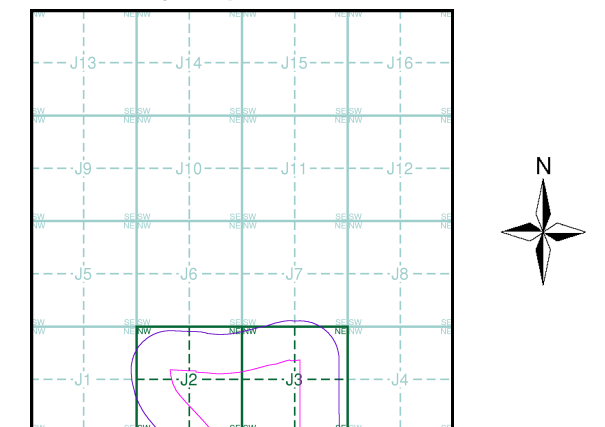
West Barton 2

Full Terms and Conditions can be found on the following link:



- 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 Enforcement
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Registered Landfill Site
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

### Site Sensitivity Map - Slice J

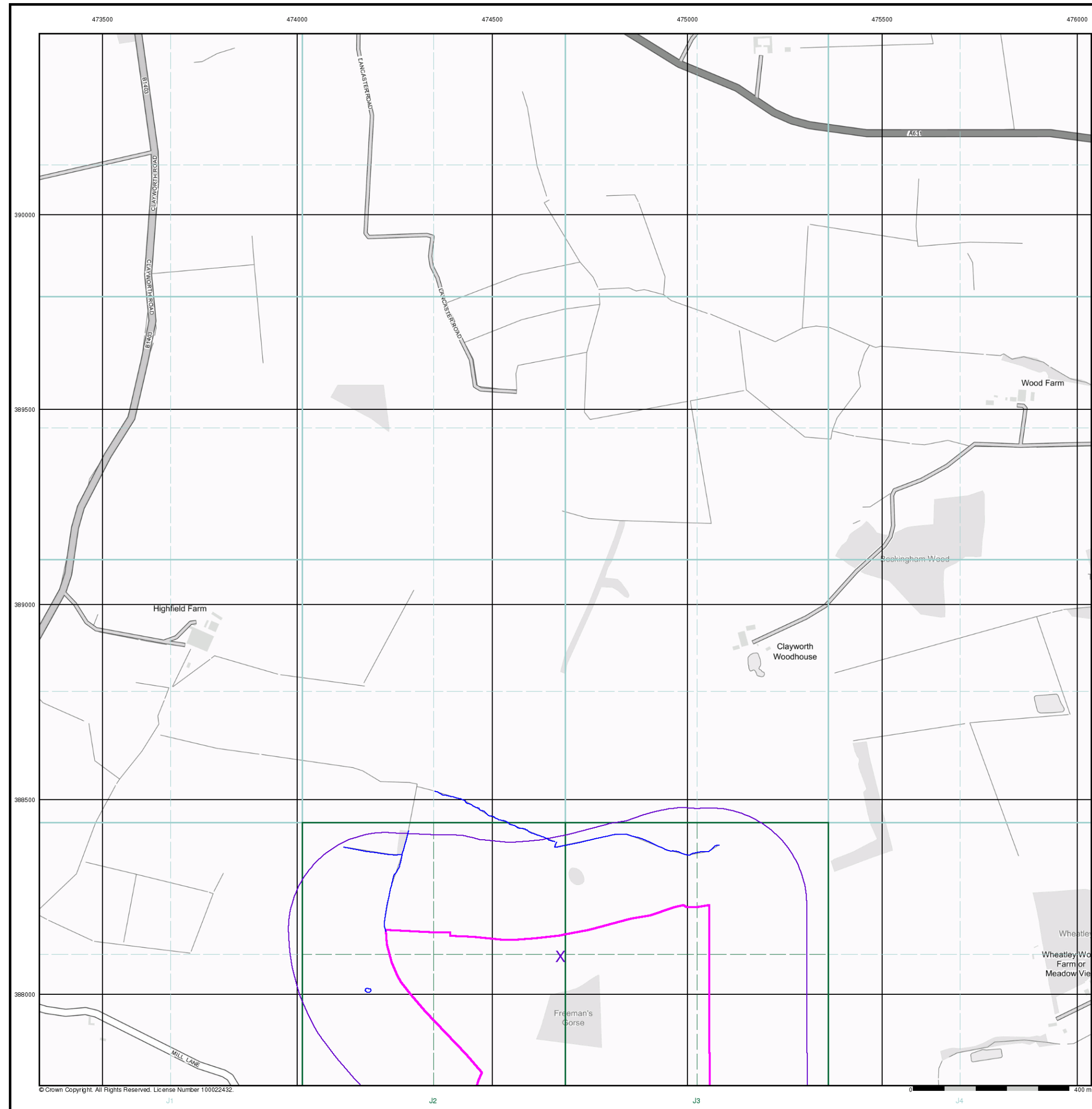


### Order Details

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

### Site Details






West Barton 2









### Industrial Land Use Map

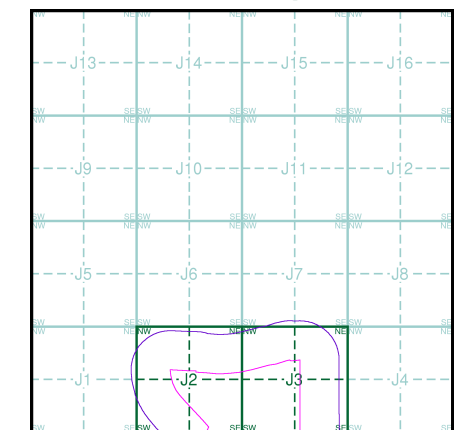
#### General

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

#### Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Underground Electrical Cables

### Industrial Land Use Map - Slice J

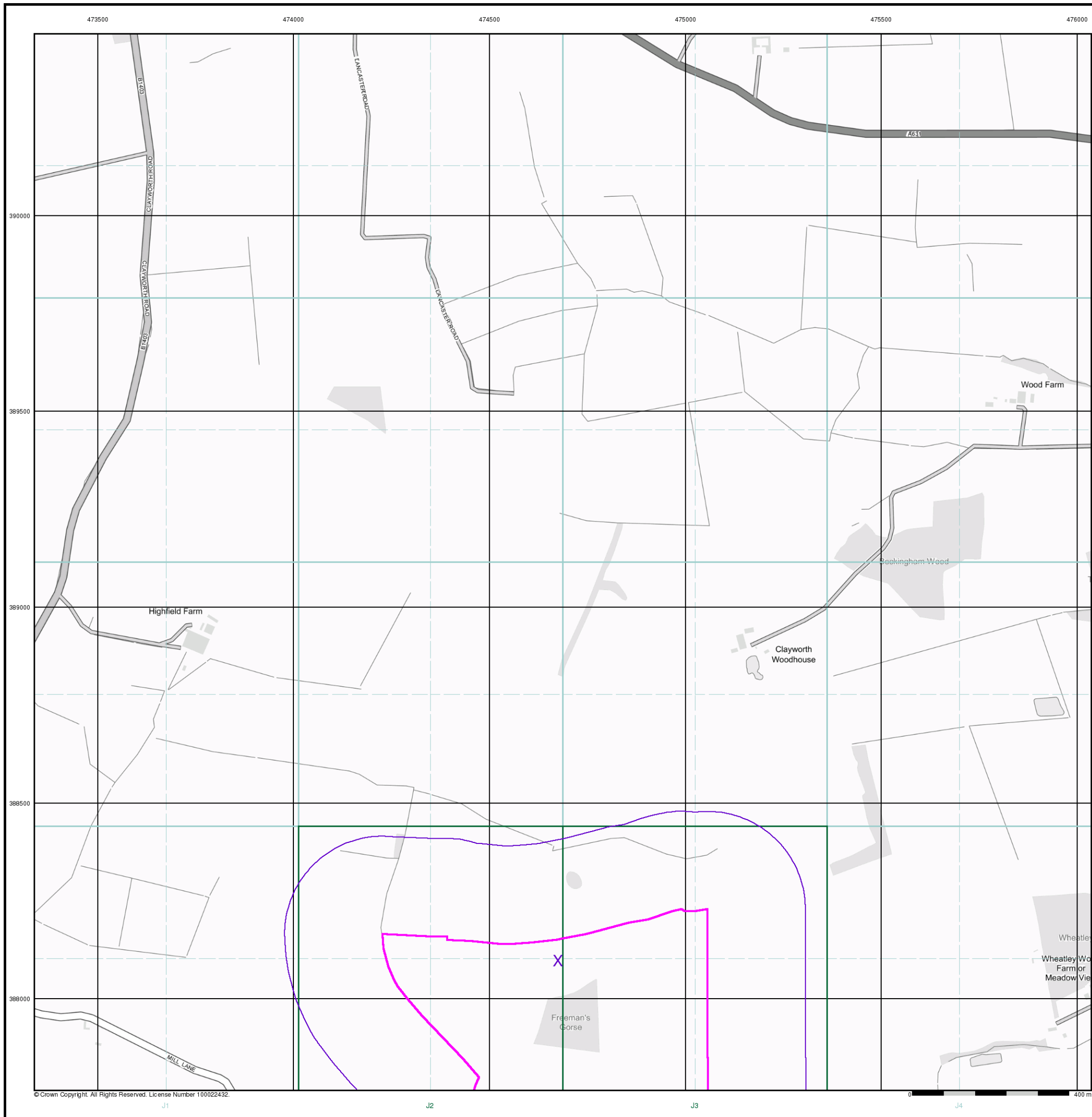


#### Order Details

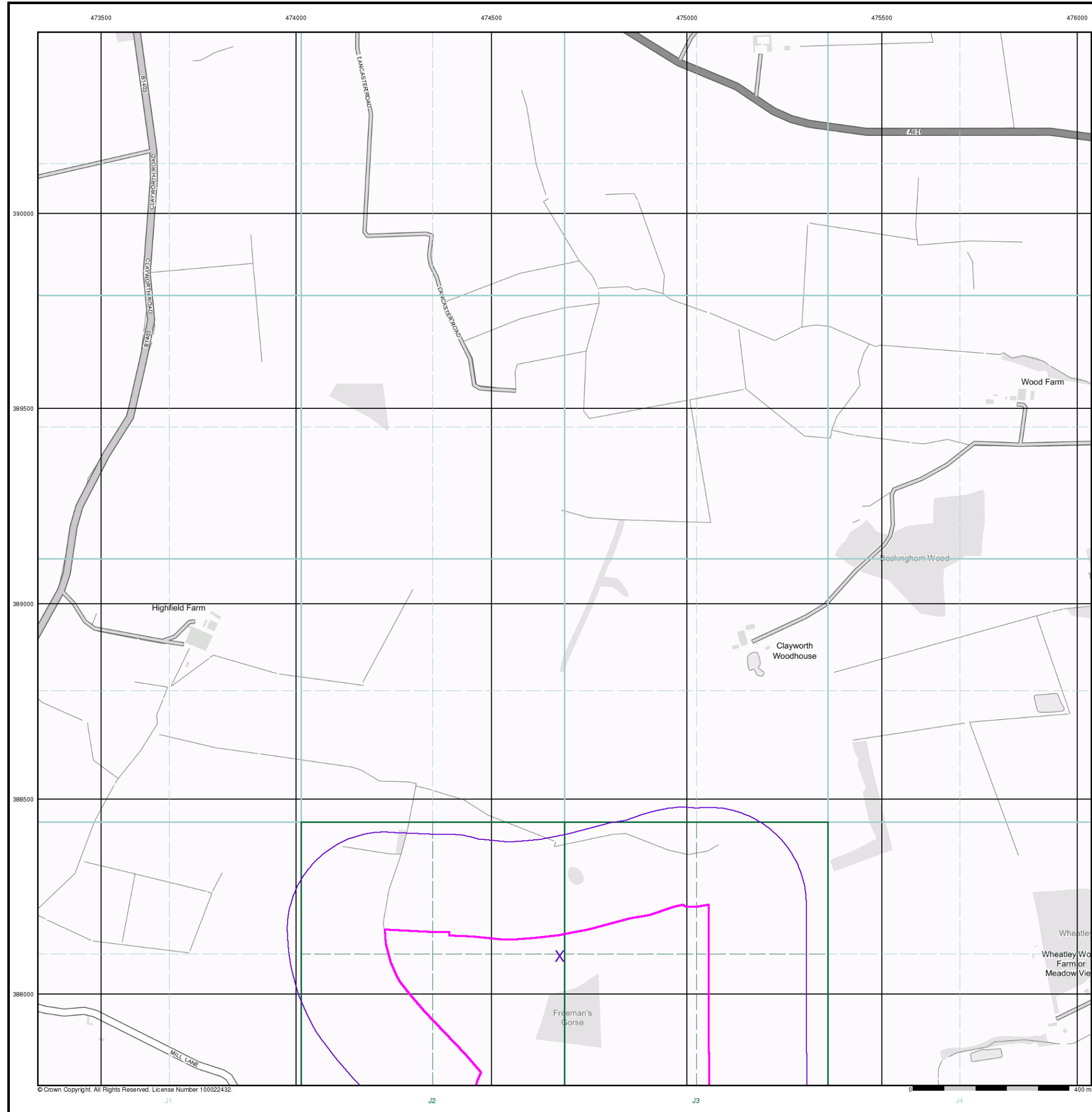
Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

#### Site Details




West Barton 2








© Crown Copyright. All Rights Reserved. License Number 100022432.



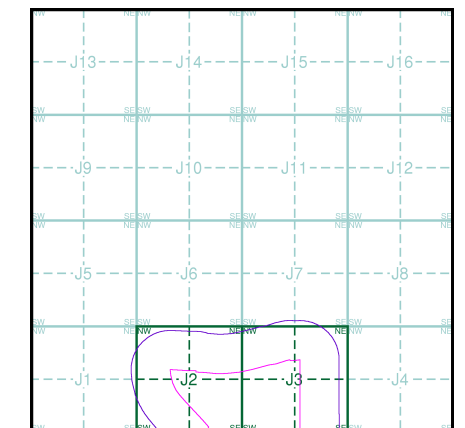
**General**

-  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 J**

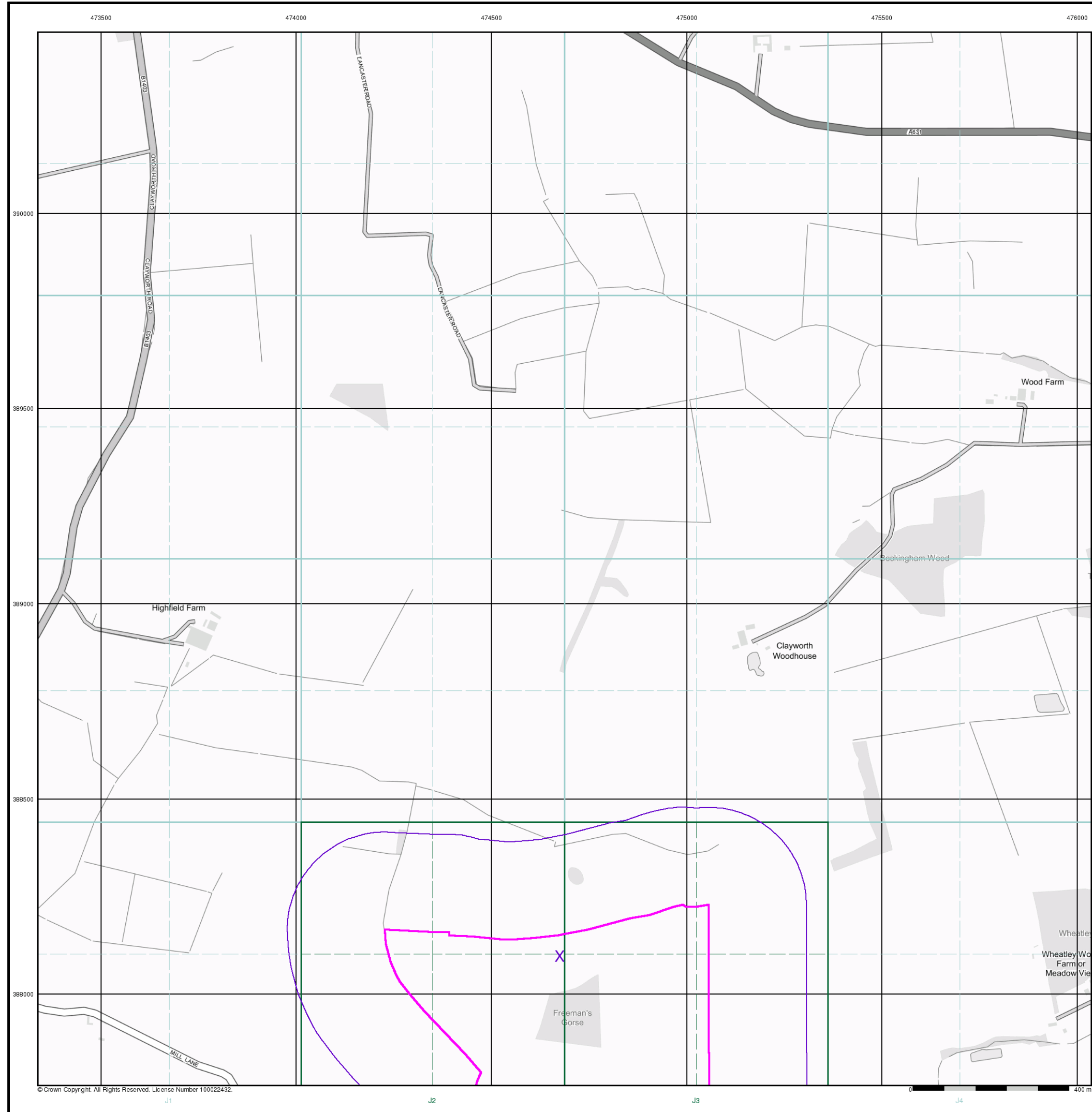


**Order Details**






Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

**Site Details**






West Barton 2



**General**

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

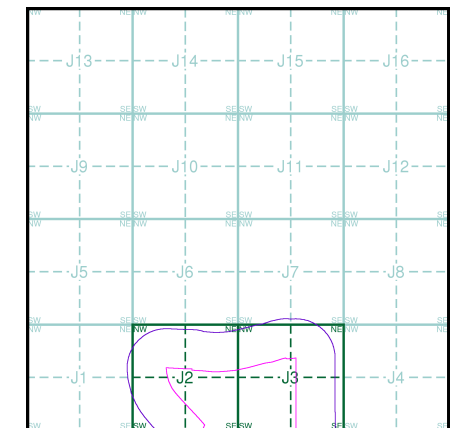
**Agency and Hydrological (Boreholes)**

-  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](http://www.envirocheck.co.uk).

**Borehole Map - Slice J**






**Order Details**

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

**Site Details**

West Barton 2

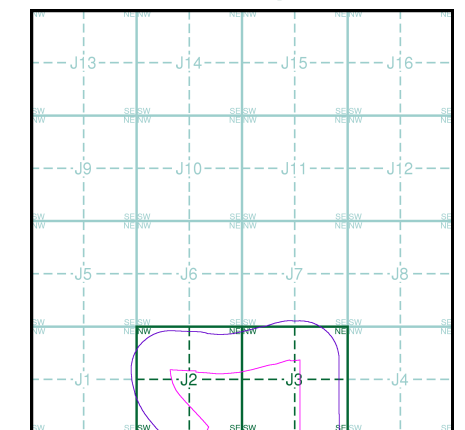
**General**

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

**OS Water Network Data**

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

**OS Water Network Map - Slice J**

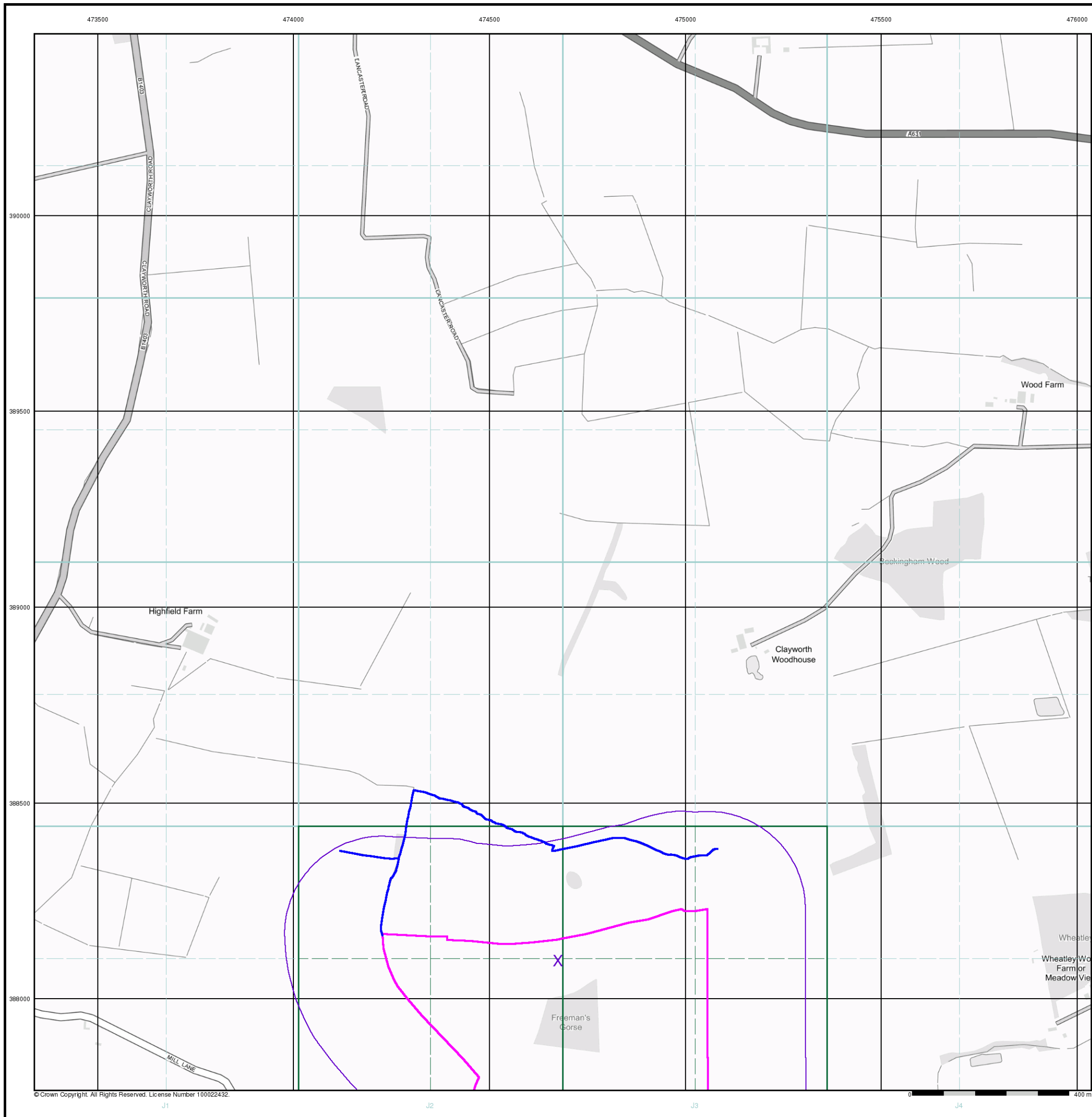


**Order Details**

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

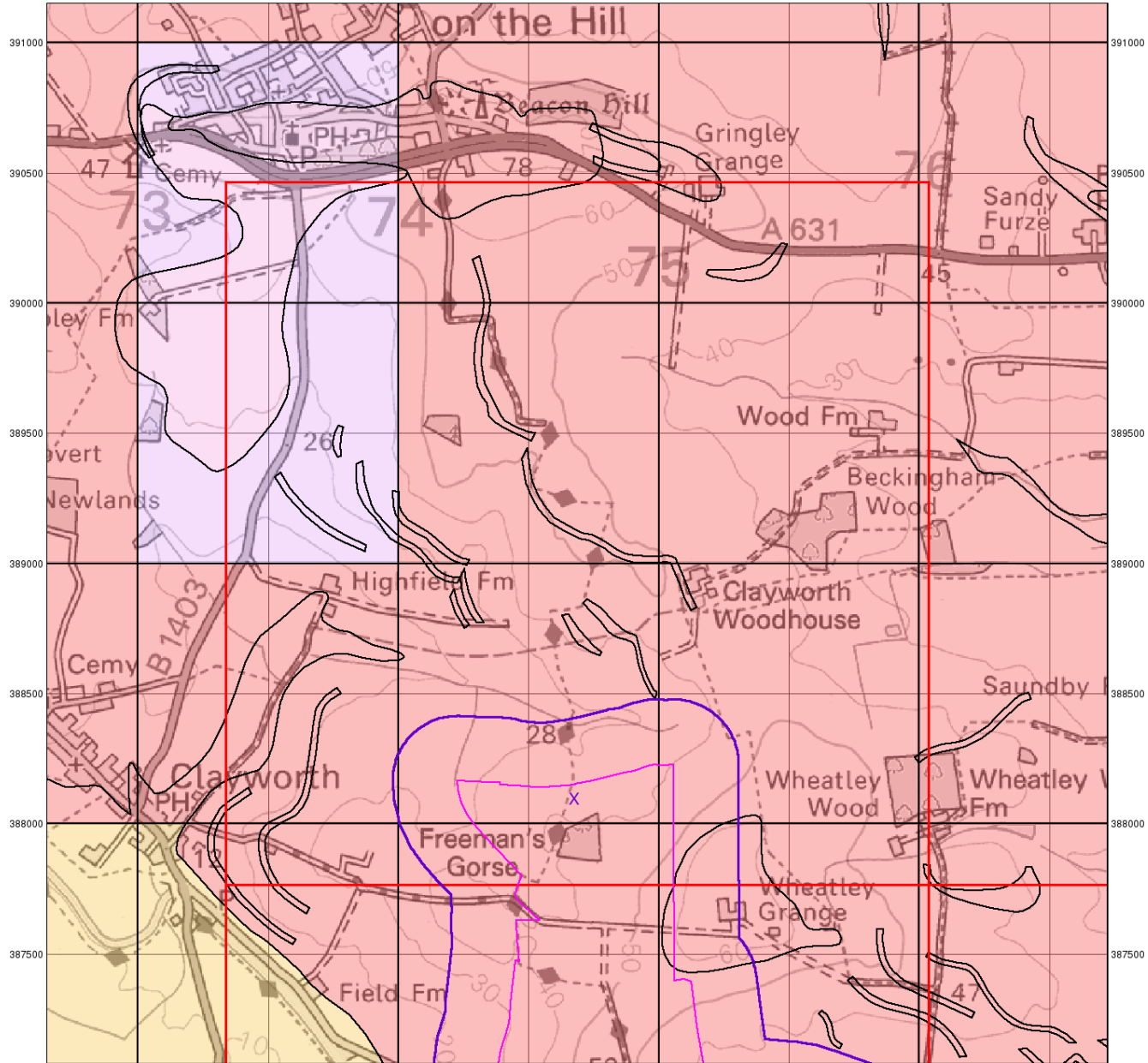
**Site Details**

West Barton 2



© Crown Copyright. All Rights Reserved. License Number 100022432.

473000 473500 474000 474500 475000 475500 476000 476500



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km



## Groundwater Vulnerability

### General

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

### Agency and Hydrological

#### Bedrock Aquifers

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

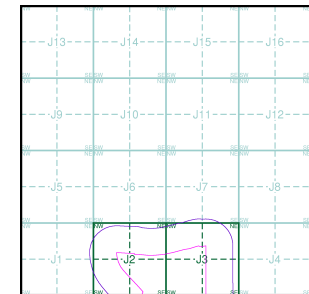
#### Superficial Aquifers

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

Unproductive Aquifer

Soluble Rock

### Site Sensitivity Context Map - Slice J



### Order Details

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

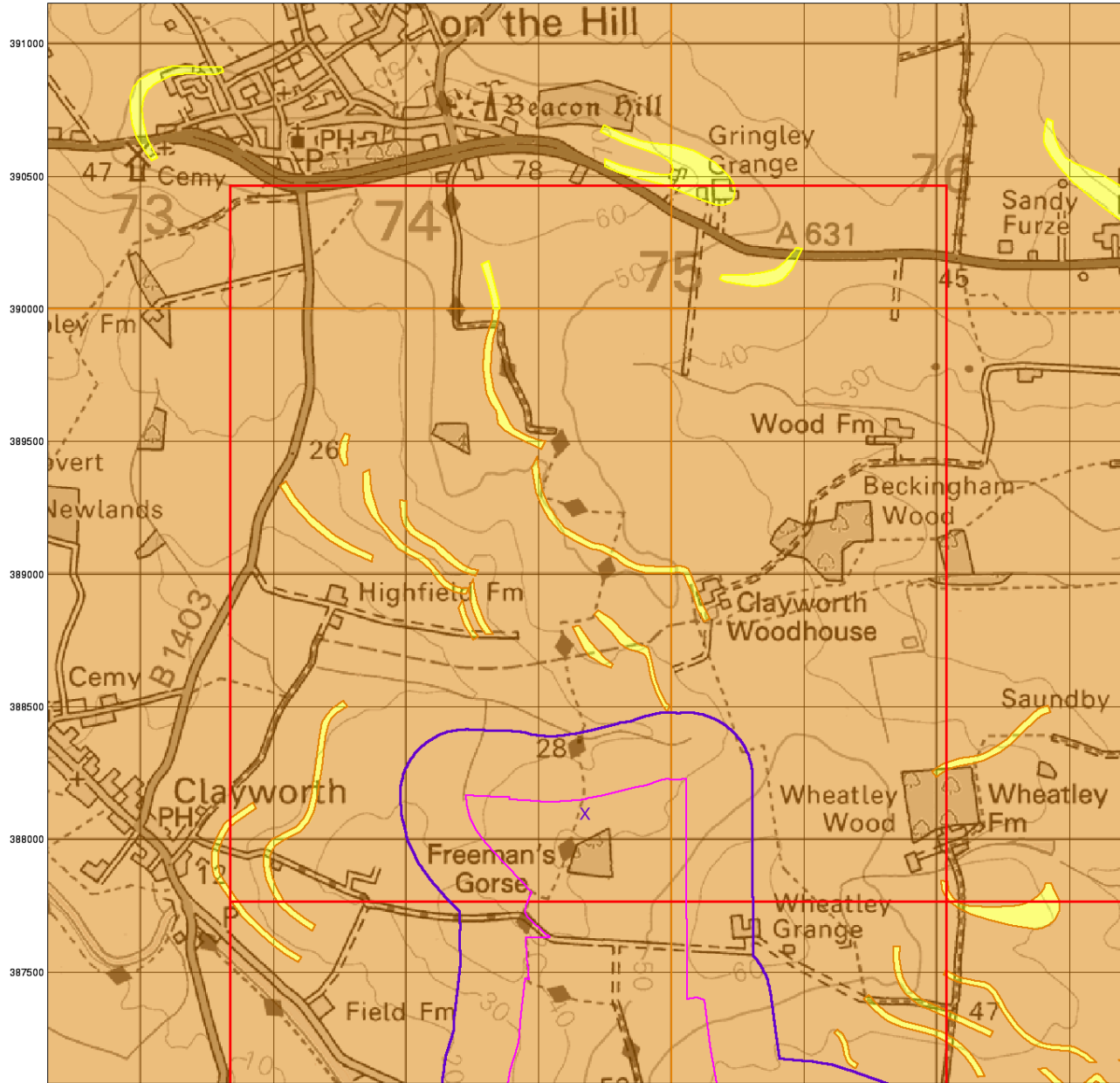
### Site Details

West Barton 2



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

473000 473500 474000 474500 475000 475500 476000 476500



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km



## Bedrock Aquifer Designation

### General

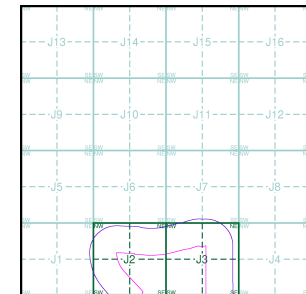
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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 J



### Order Details

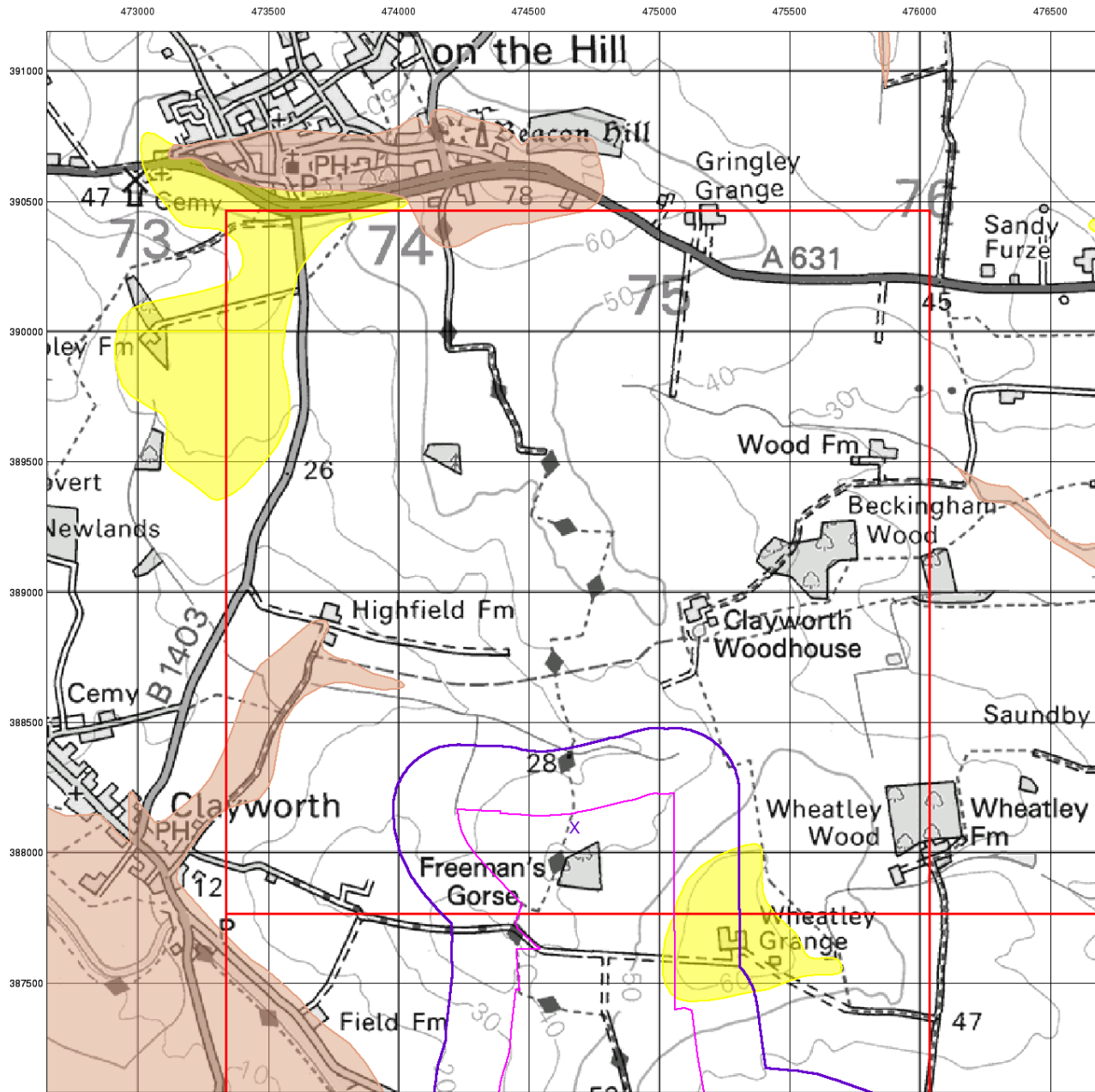
Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

### Site Details

West Barton 2



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



© Crown Copyright. All Rights Reserved. License Number 100022432.



## Superficial Aquifer Designation

### General

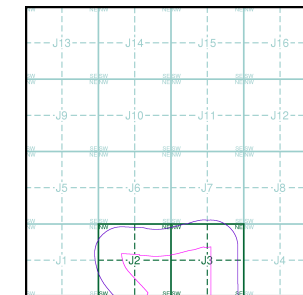
- ◊ Specified Site
- ◊ Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

### Site Sensitivity Context Map - Slice J



### Order Details

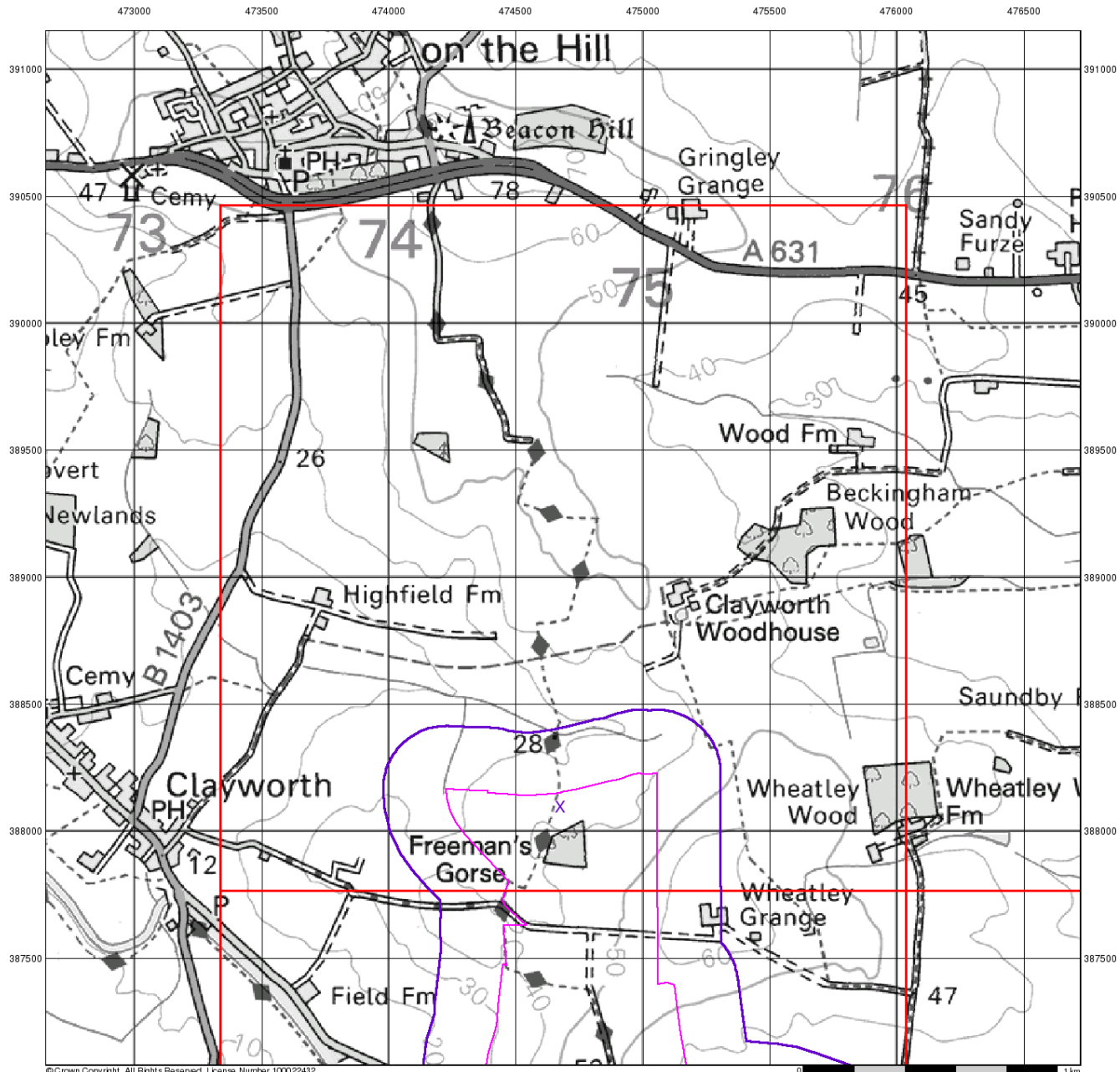
Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

### Site Details

West Barton 2



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



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km



## Source Protection Zones

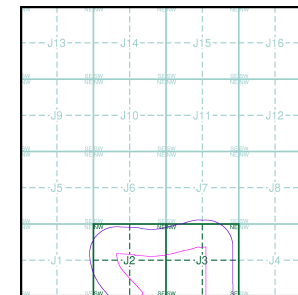
### General

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



### Order Details

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

### Site Details

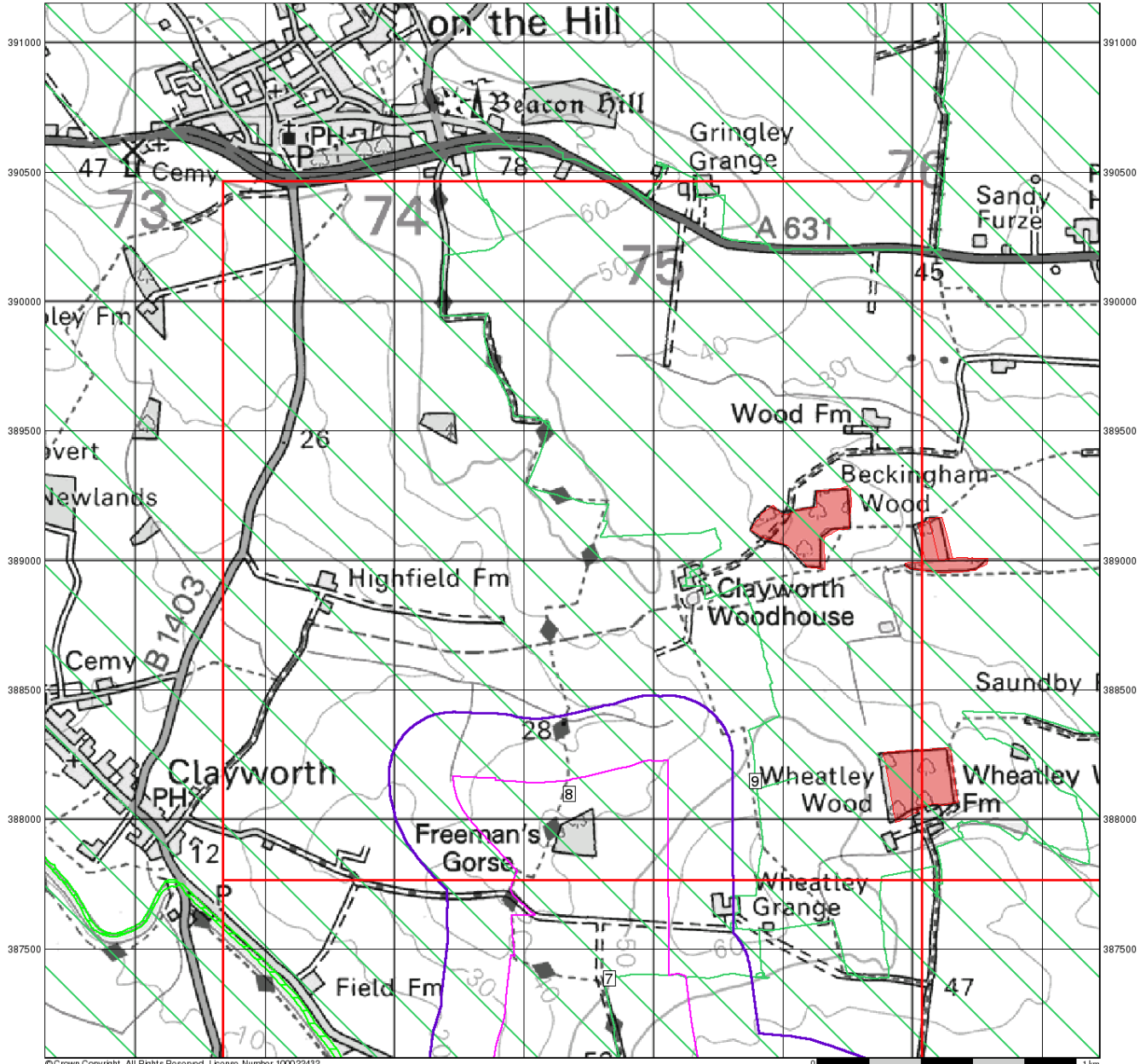
West Barton 2



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



473000 473500 474000 474500 475000 475500 476000 476500



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km



## Sensitive Land Uses

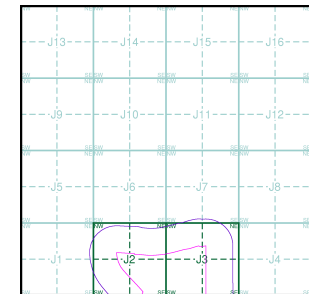
### General

- ◇ Specified Site
- ◇ Specified Buffer(s)
- X Bearing Reference Point
- Slice
- 8 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 J



### Order Details

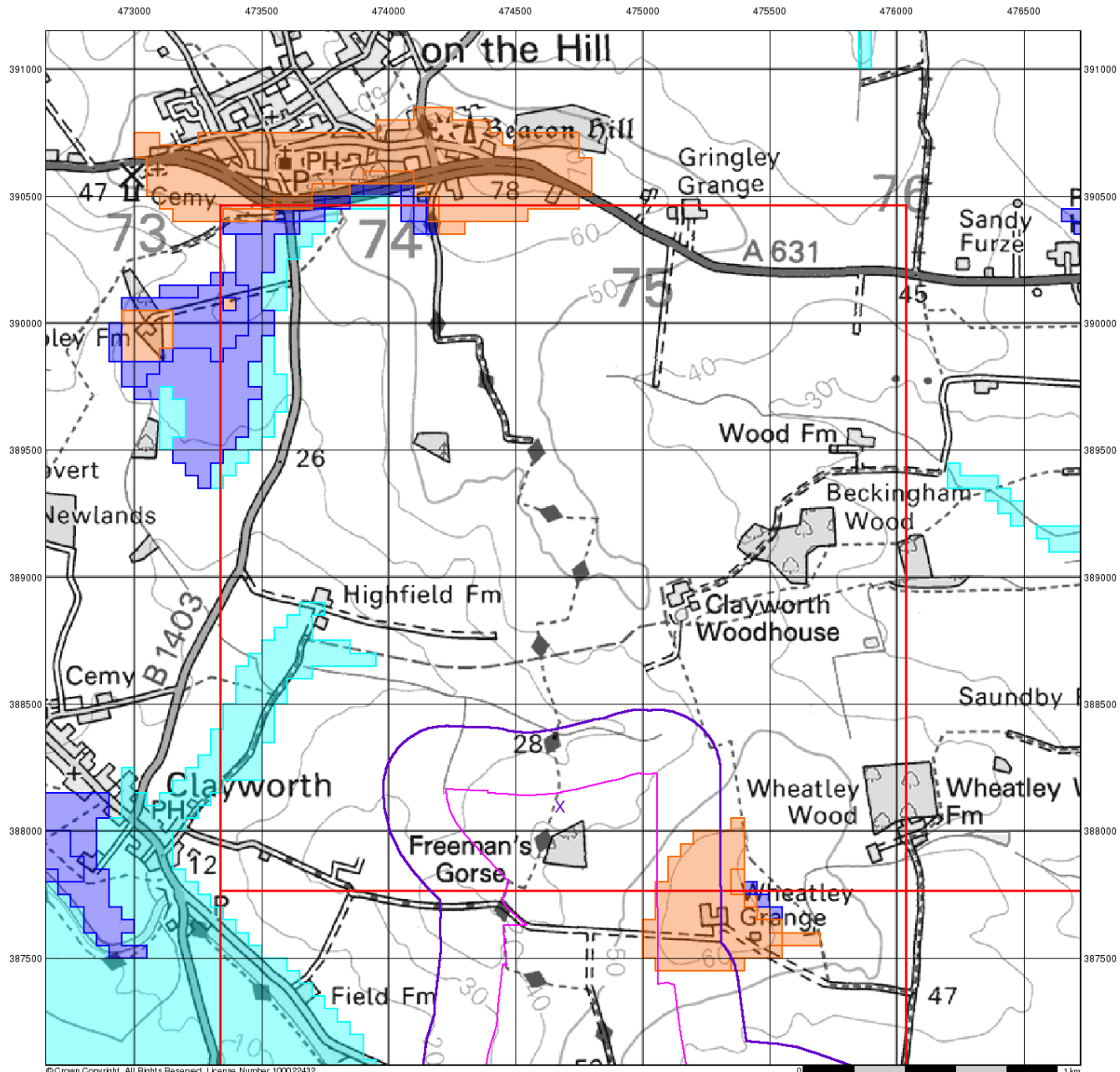
Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

### Site Details

West Barton 2



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



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km



**BGS Flood GFS Data**

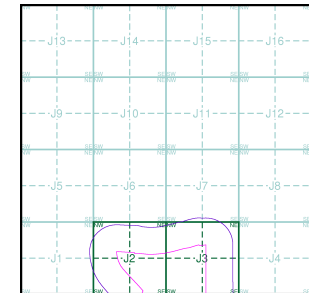
**General**

- 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 J**



**Order Details**

Order Number: 298001706\_1\_1  
 Customer Ref: 21-2098.04  
 National Grid Reference: 474680, 388100  
 Slice: J  
 Site Area (Ha): 1355.61  
 Search Buffer (m): 250

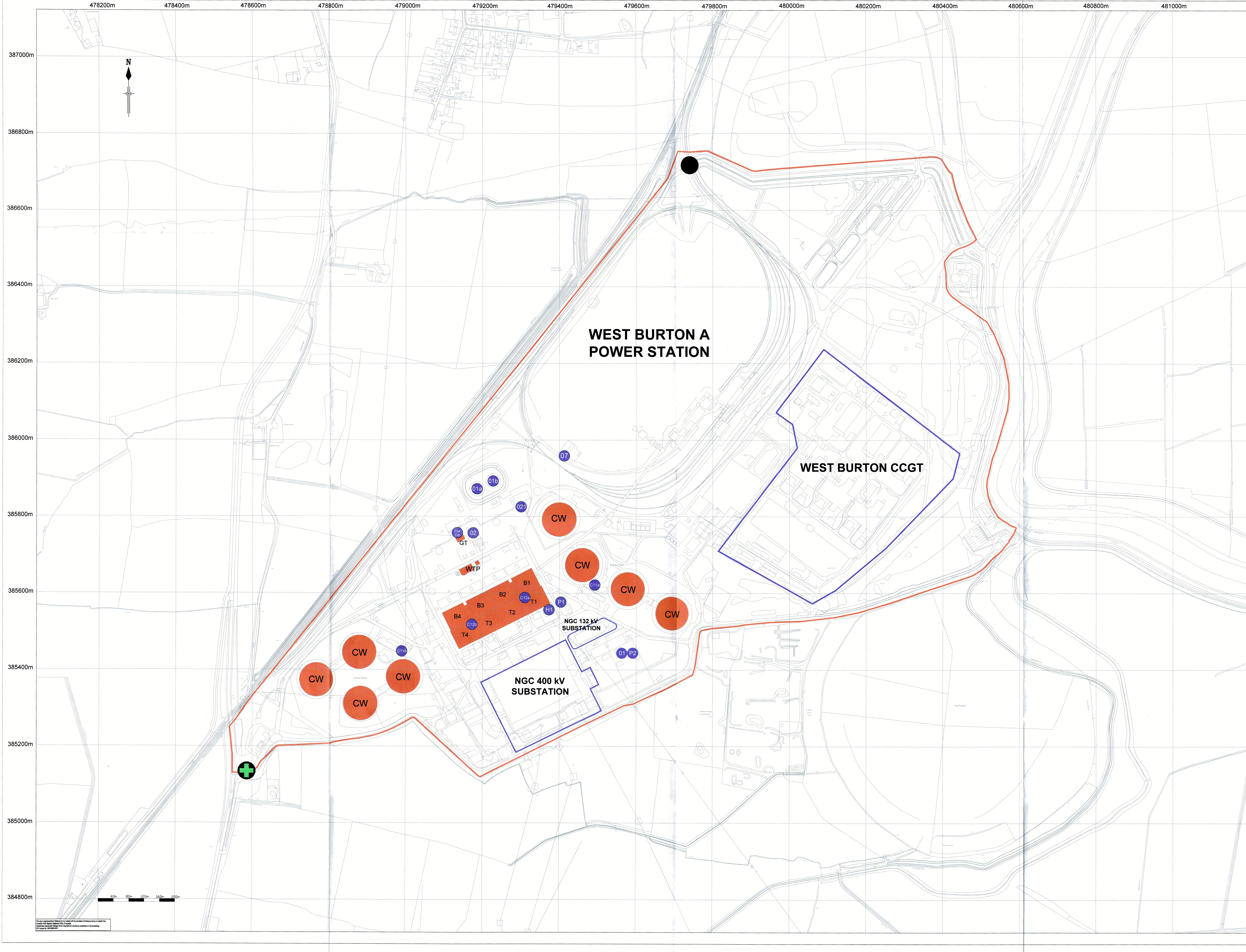
**Site Details**

West Barton 2



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

## Appendix F - Planning Information



**Figure 2**

- West Burton A Power Station Installation Boundary
- Excluded Areas
- Area where substance is used in process
- Substance storage vessel
- Main Site Entrance
- Rail Site Entrance

**01a, 01b**  
Heavy Fuel Oil (HFO)

**C12a, C12b**  
Hydrazine Hydrate (80%, <5%, 1.7%)

**07, 021**  
Diesel (Bulk)

**O2**  
Gas Oil

**O3a, O3b**  
Gas Oil

**H1**  
Hydrogen

**P1**  
Propane (Tanks)

**P2**  
Propane (Bottled)

**O1**  
Oxygen

**C11a, C11b**  
Sodium Hypochlorite

**Boiler (B1-B4)**  
Hydrazine Hydrate (<5%, 1.7%)  
Heavy Fuel Oil (HFO)  
Propane

**Turbine (T1-T4)**  
Hydrazine Hydrate (<5%, 1.7%)  
Hydrogen

**Cooling Water System (CW)**  
Sodium Hypochlorite

**Water Treatment Plant (WTP)**  
Sodium Hypochlorite

**Gas Turbine**  
Diesel (Bulk)

**RECEIVED**  
18 SEP 2018

Scale	1:2000 @ A4	30000 SCALE
Reference	01-04-02-0054	1

**GDF ENERGY**

Hazardous Substances Consent  
Substance Location Plan  
West Burton A Power Station