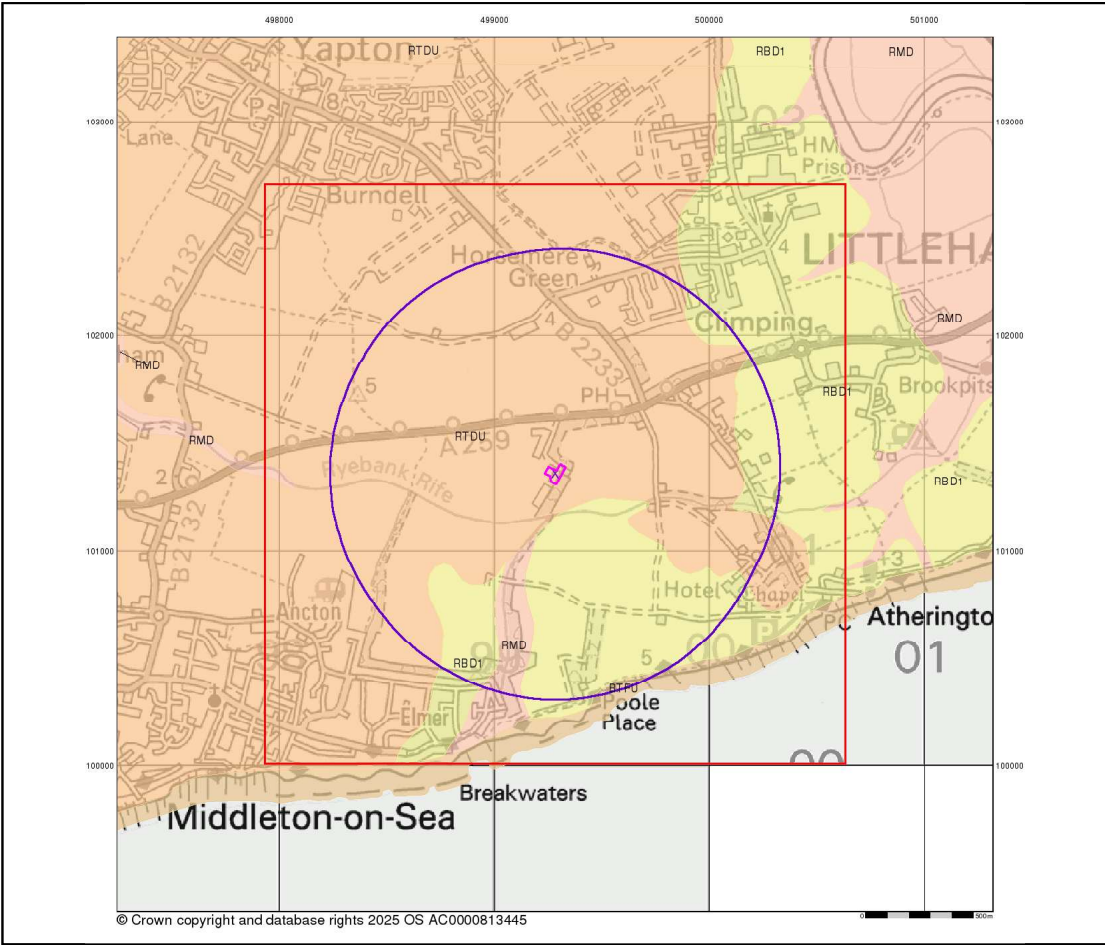




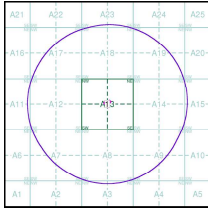
Superficial Geology

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 A



Order Details:

Order Number: 383861238_1_1
Customer Reference: JT0642 ML
National Grid Reference: 499290, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details:

Site at 499290, 101360



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Bedrock and Faults

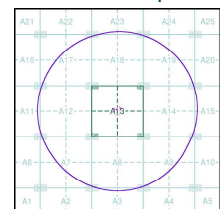
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 A



Order Details:

Order Number: 383861238_1_1
Customer Reference: JT0642 ML
National Grid Reference: 499290, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

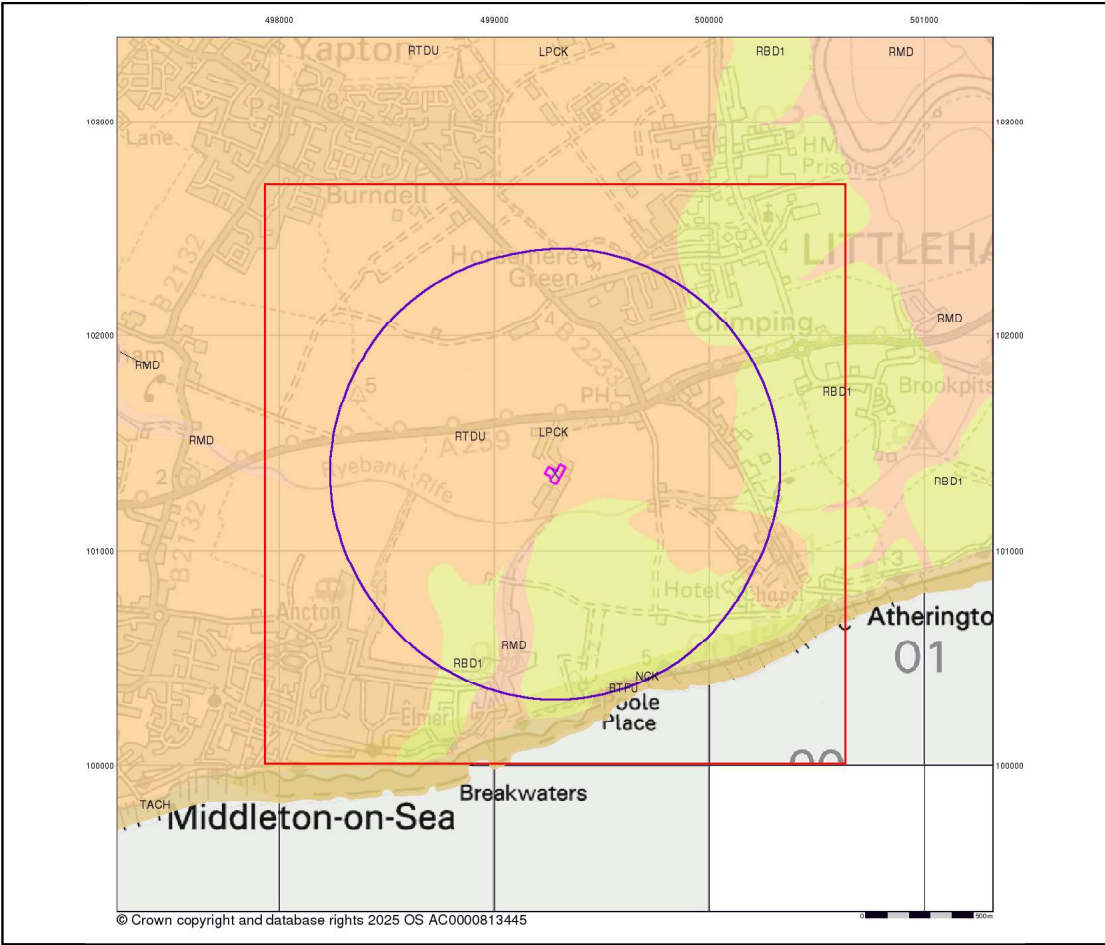
Site Details:

Site at 499290, 101360



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Fax: 0844 844 9951
Web: www.environmental.co.uk

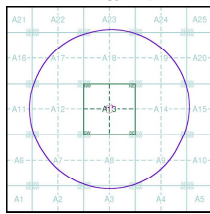
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Environmental & Geotechnical

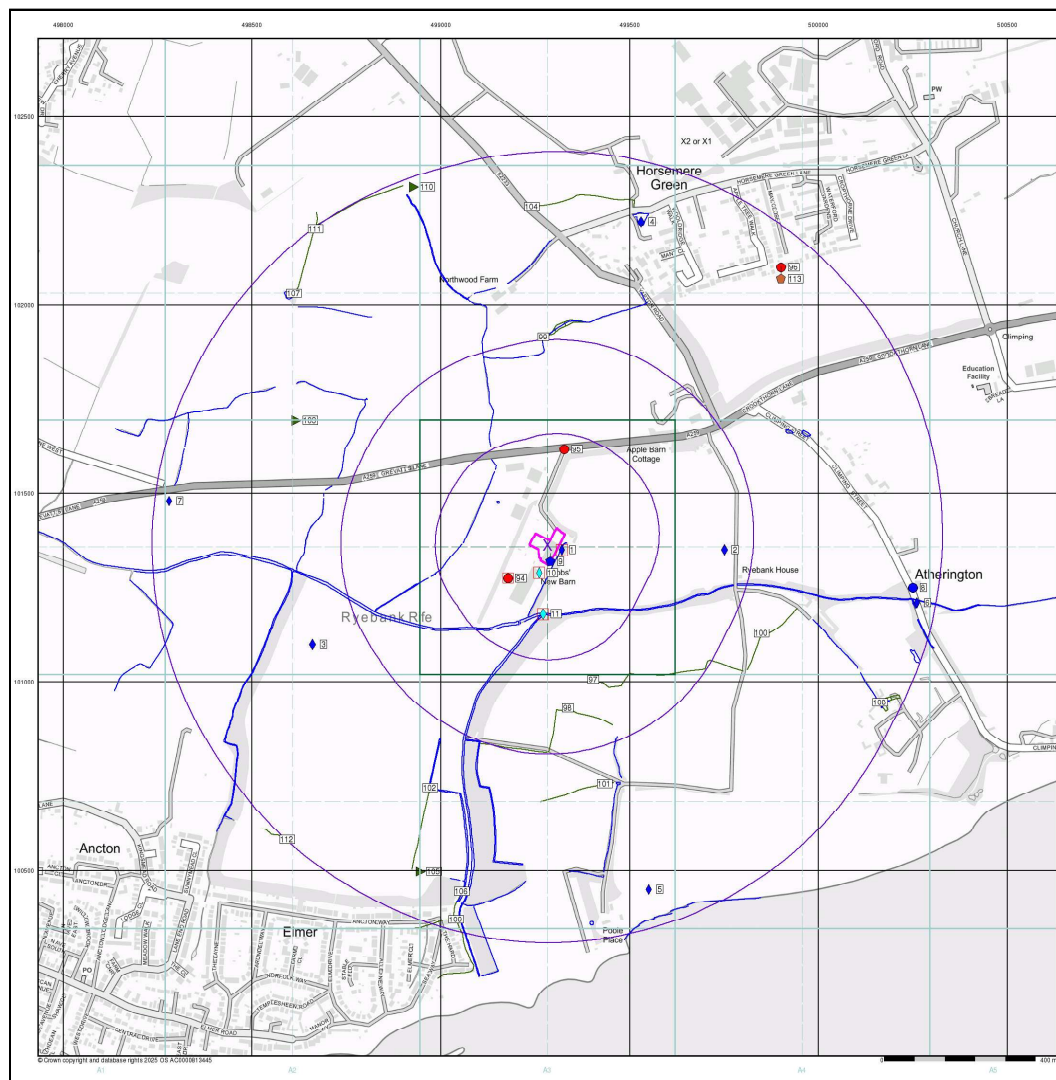
Combined Surface Geology
The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

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 A

Order Details:
Order Number: 383861238_1_1
Customer Reference: JT0642 ML
National Grid Reference: 499290, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000
Site Details:
Site at 499290, 101360

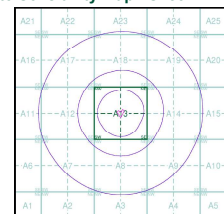
**Landmark**
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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map D
- Agency and Hydrological**
- Several of Type at Location
 - Contaminated Land Register Entry or Notice (Location)
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Prevention and Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Pollution Incident to Controlled Waters
 - Historical Prosecutions
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- CCAMAR Site
 - Explosive Site
 - HAWS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BOS Recorded Mineral Site
- Waste**
- BOS Recorded Landfill Site (Location)
 - BOS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Location)
 - Licensed Waste Management Facility (Boundary)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infiltrated Land (Non-water)
 - Potentially Infiltrated Land (Water)
 - Potentially Infiltrated Land (Water)
 - Potentially Infiltrated Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Shore buffered to 100m)
 - Registered Landfill Site (Shore buffered to 200m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Geological**
- BOS Recorded Mineral Site

Site Sensitivity Map - Slice A

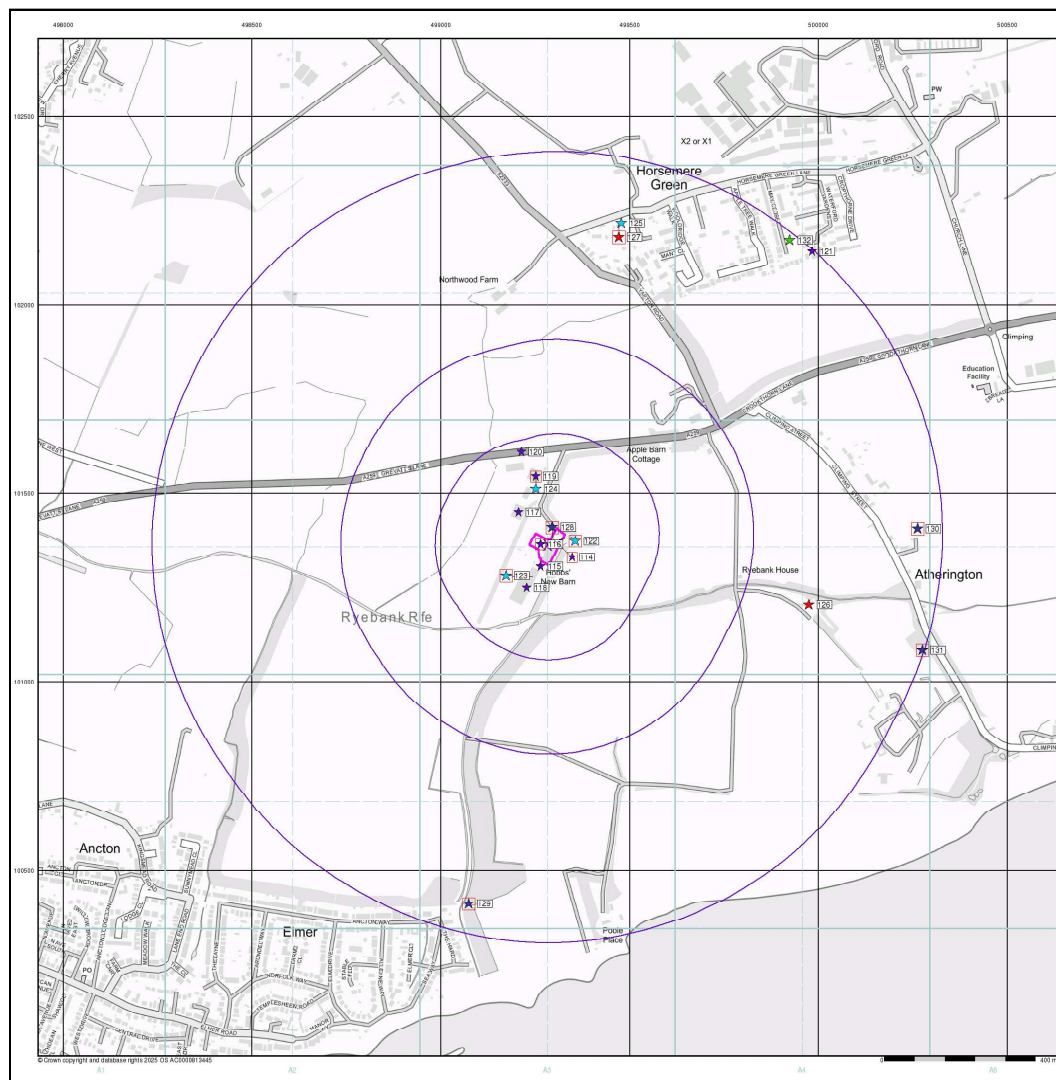


Order Details

Order Number: 383861238_1_1
Customer Ref: JT0642_ML
National Grid Reference: 499280, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details

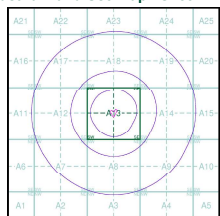
Site at 499290, 101360



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
 - 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 A

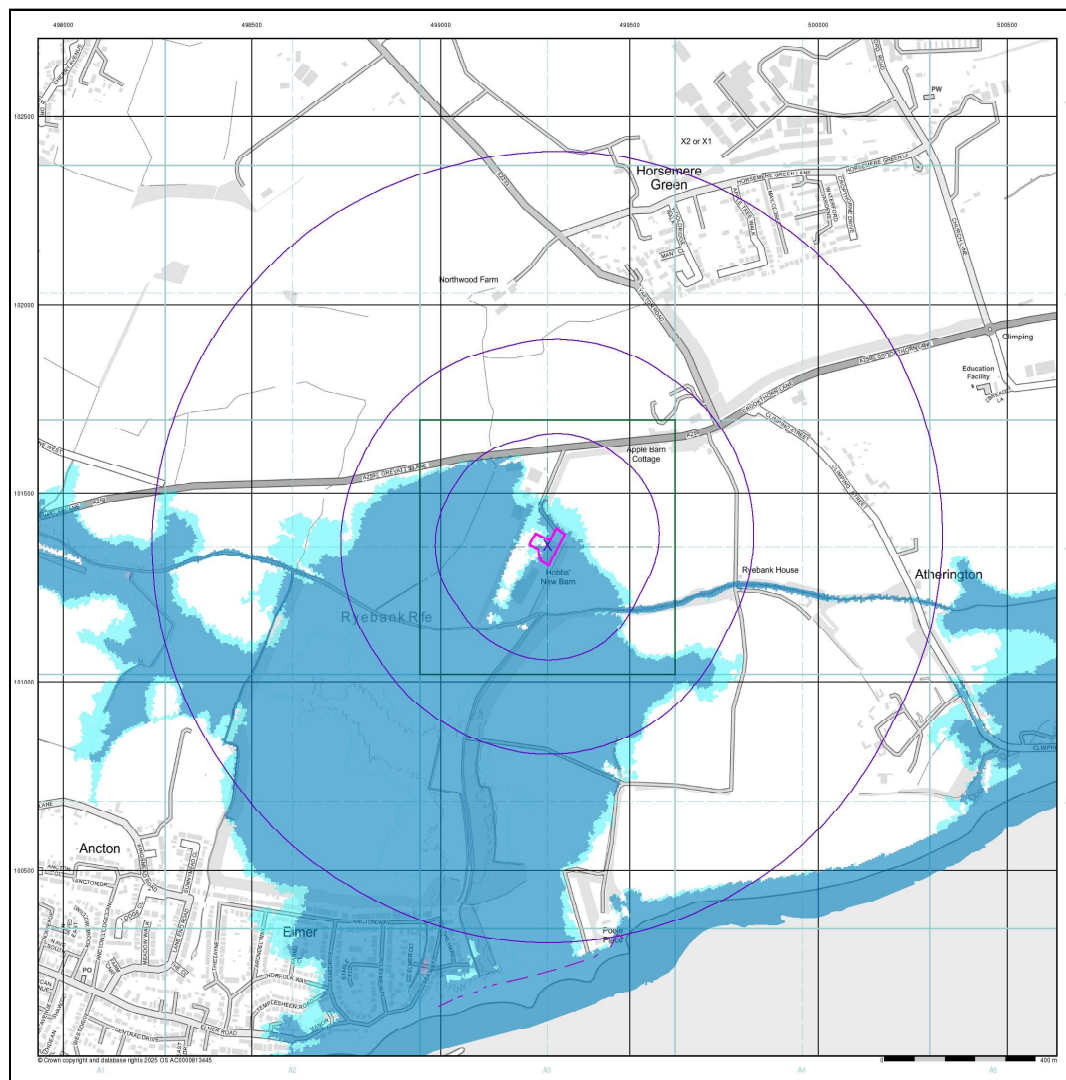


Order Details

Order Number: 383861238_1_1
Customer Ref: JT0642_ML
National Grid Reference: 499280, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details

Site at 499290, 101360



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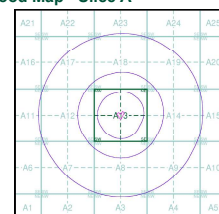
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

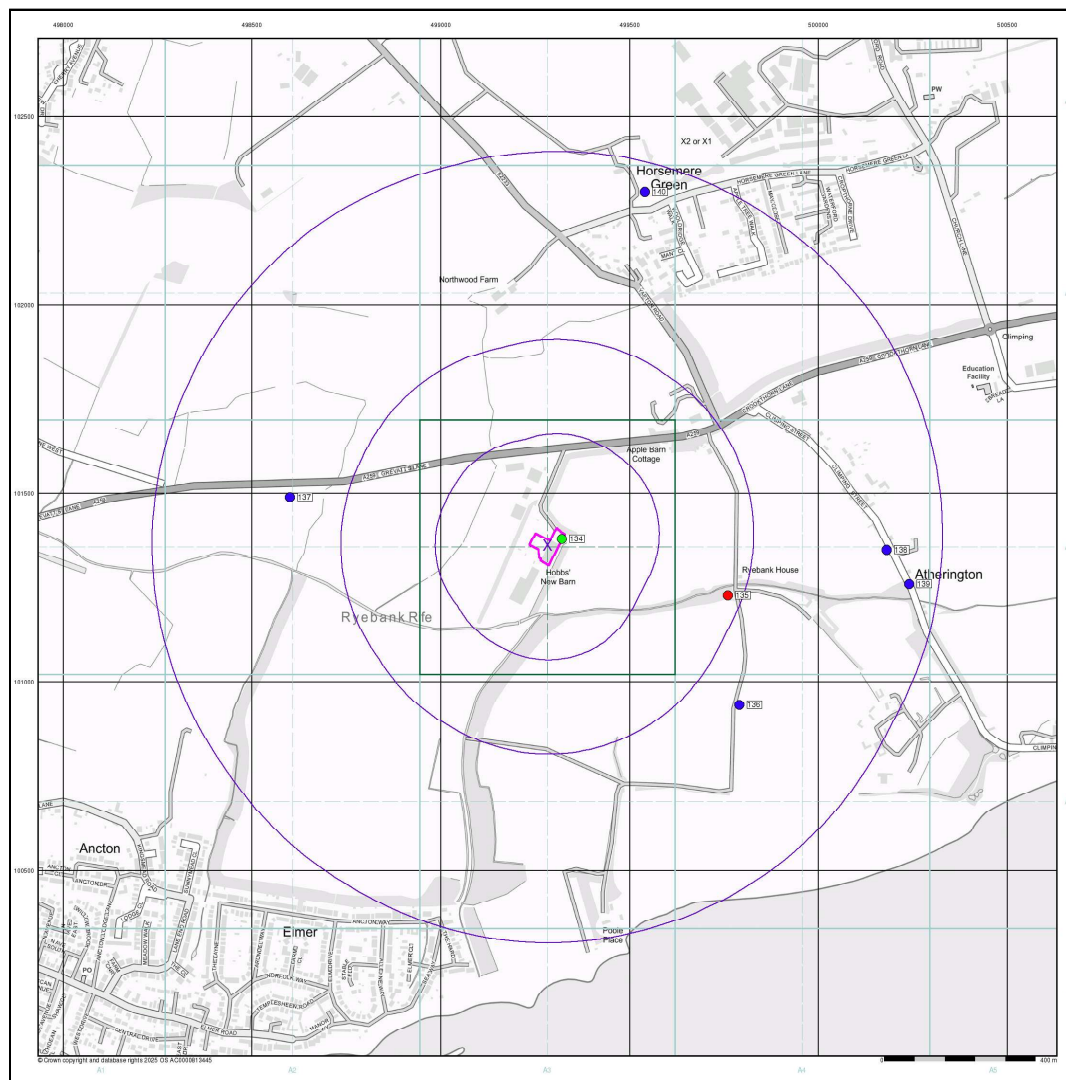
Order Number: 383861238_1_1
Customer Ref: JT0642_ML
National Grid Reference: 499280, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details

Site at 499290, 101360



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General

- Specified Site
- Specified Buffer(s)
- Sealing Reference Point
- Map ID
- Severall of Type at Location

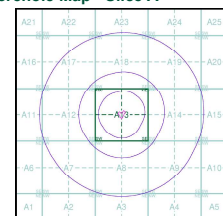
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Contaminant
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

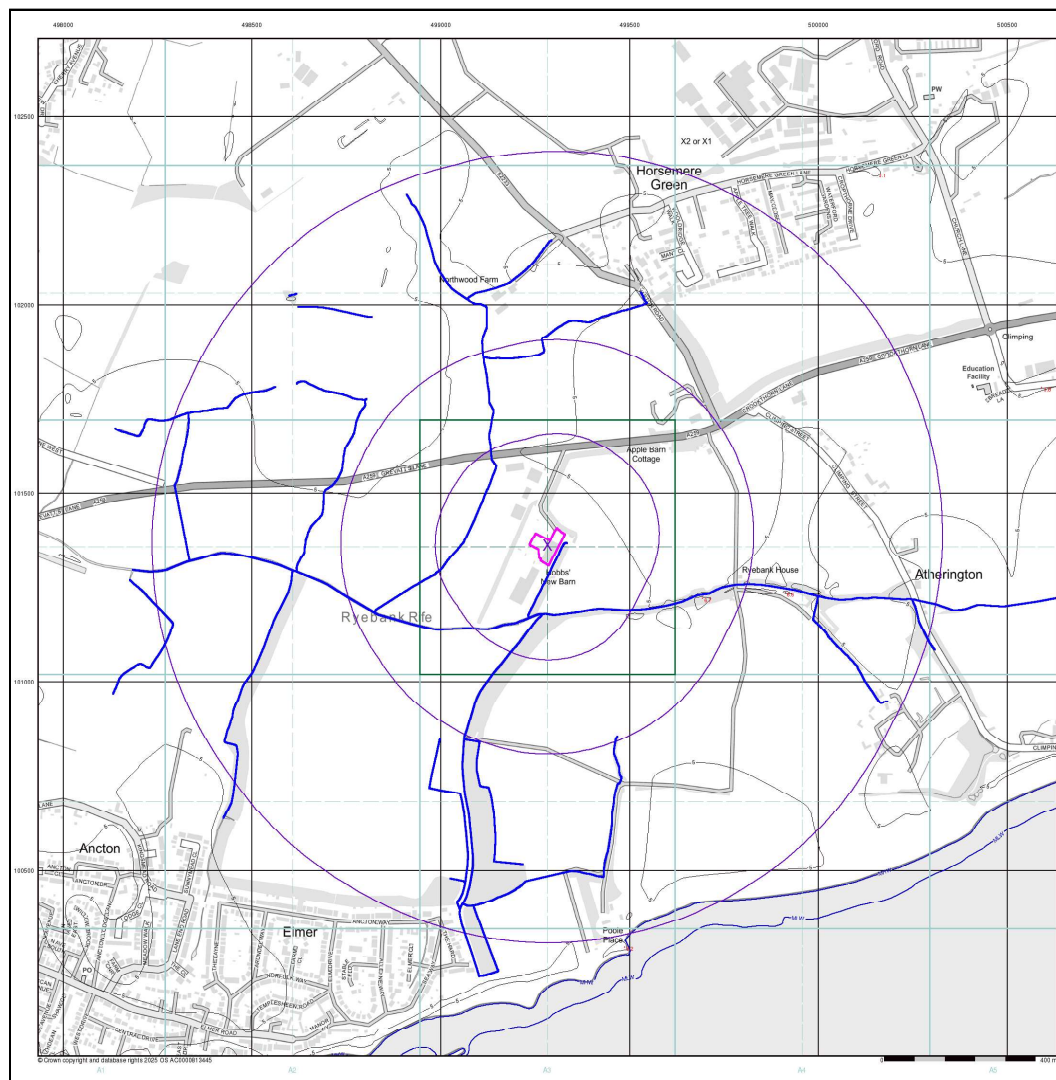
Order Number: 383861238_1_1
Customer Ref: JT0642_ML
National Grid Reference: 499280, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details

Site at 499290, 101360



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General

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

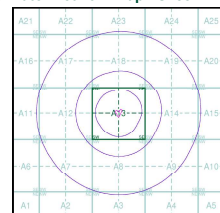
OS Water Network Data

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

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- Mean Low Water
- Mean High Water

OS Water Network Map - Slice A

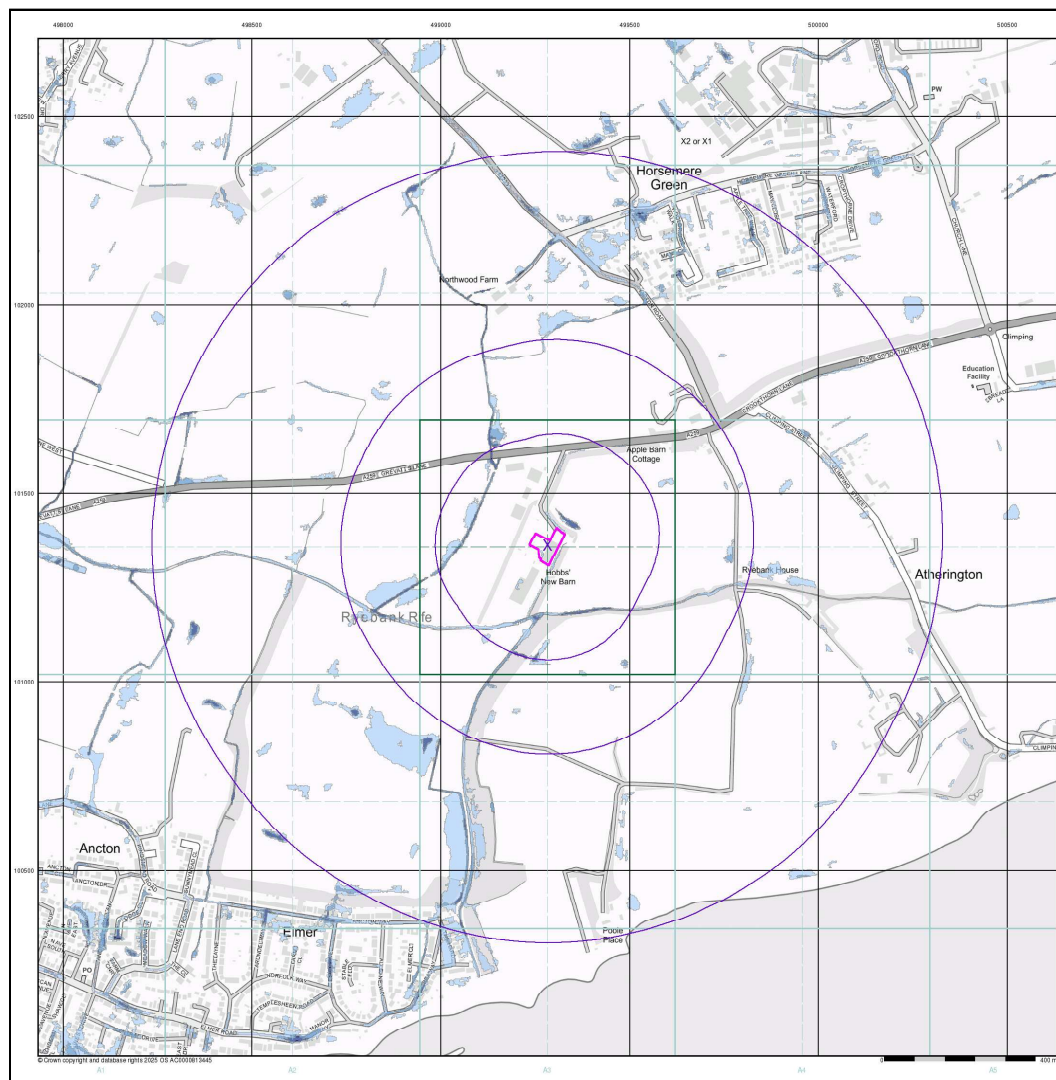


Order Details

Order Number: 383861238_1_1
Customer Ref: JT0642_ML
National Grid Reference: 499280, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details

Site at 499290, 101360



General

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

Risk of Flooding from Surface Water

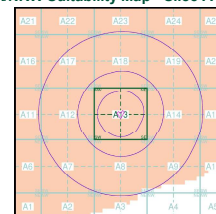
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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 A

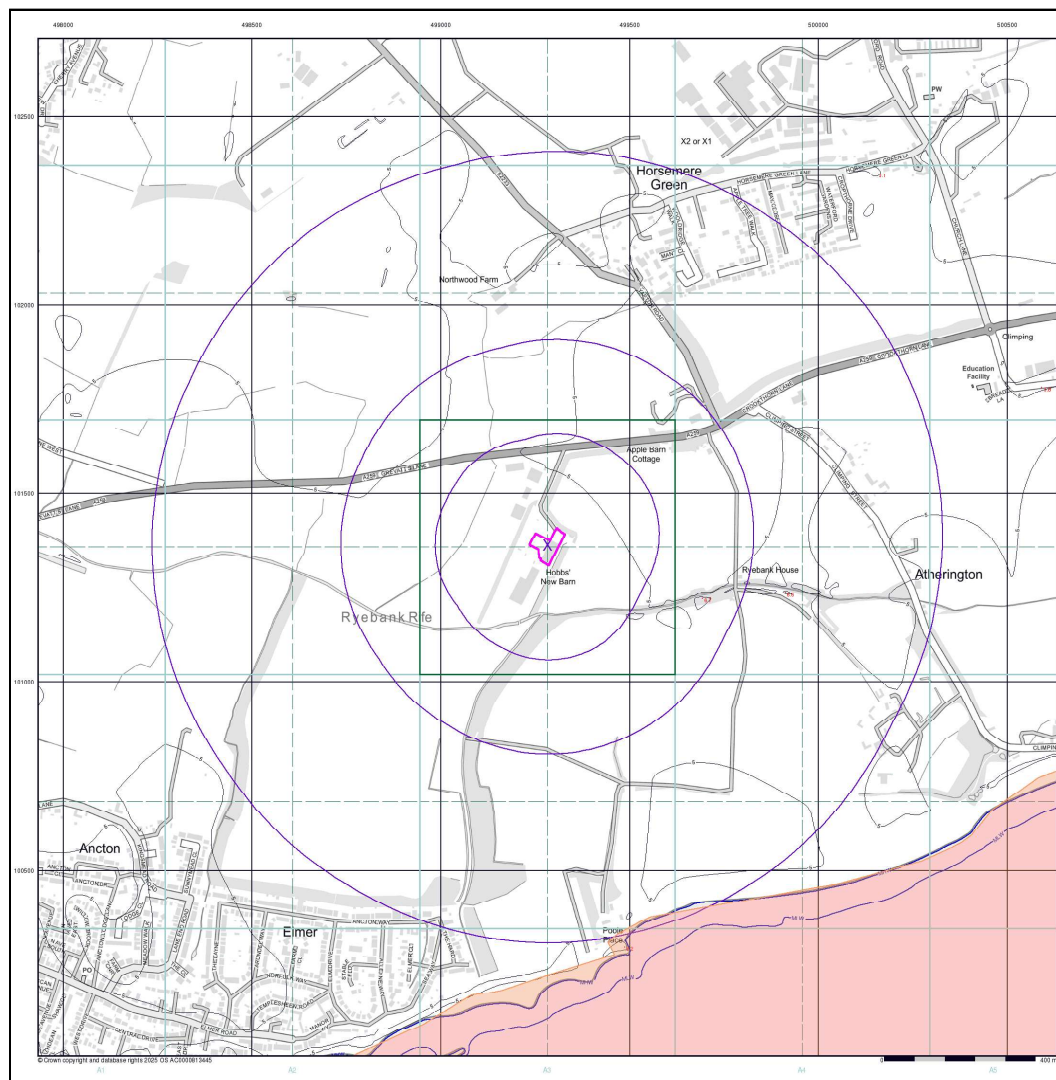


Order Details

Order Number: 383861238_1_1
Customer Ref: JT0642_ML
National Grid Reference: 499280, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details

Site at 499290, 101360



WFD Surface Waters Map

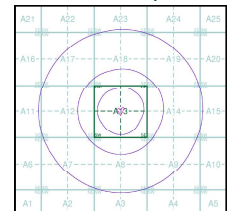
General
Specified Site Specified Buffer(s) Bearing Reference Point
Slice Map ID

Water Framework Directive - Surface Water Quality

High
Good
Moderate
Poor
Bad

Contours (height in meters)
Standard Contour 5m
Master Contour 10m
Spot Height 167.3
MLW Mean Low Water
MHW Mean High Water

WFD Surface Waters Map - Slice A



Order Details

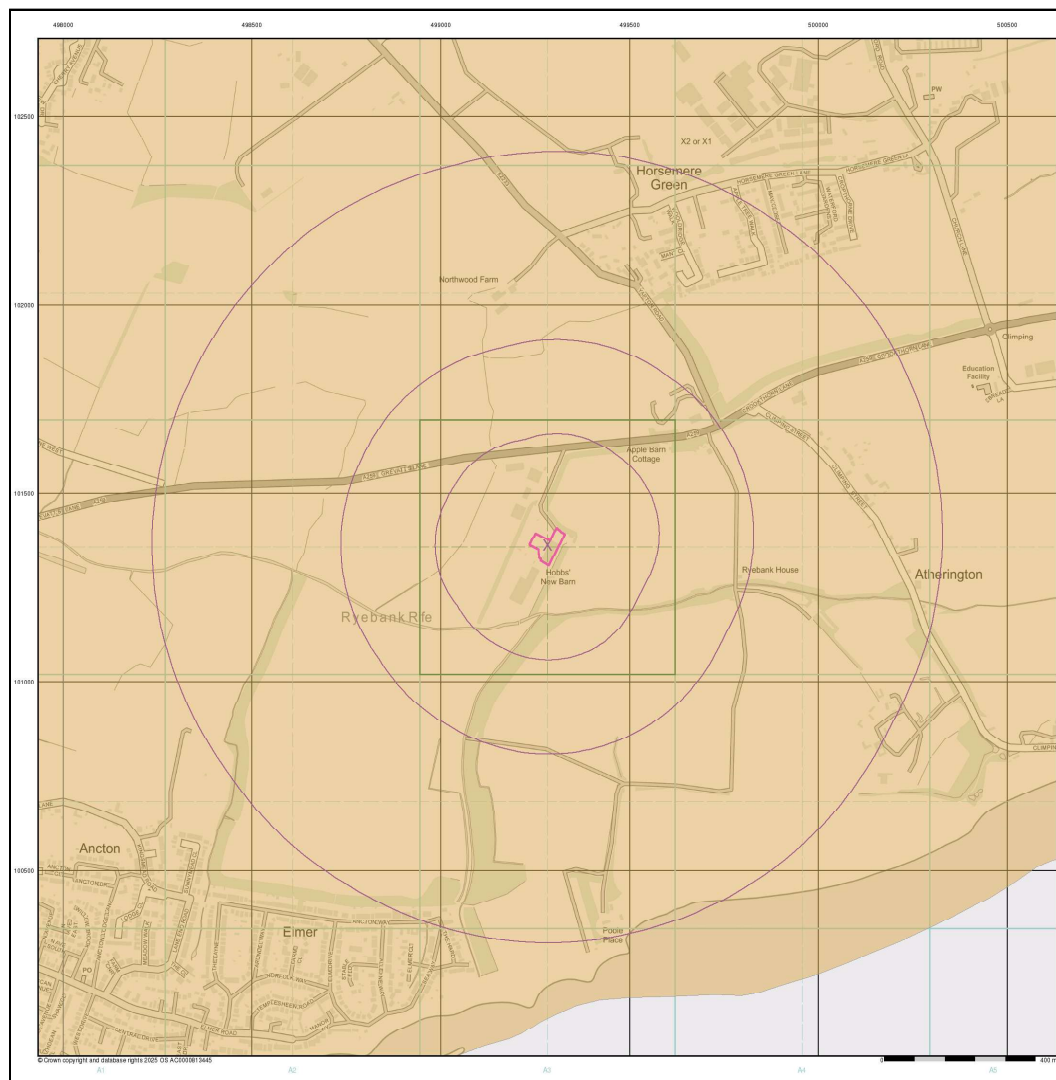
Order Number: 383861238_1_1
Customer Ref: JT0642_ML
National Grid Reference: 499280, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details

Site at 499290, 101360



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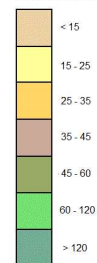


General

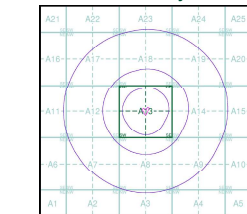
Specified Site Specified Buffer(s) Shear Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

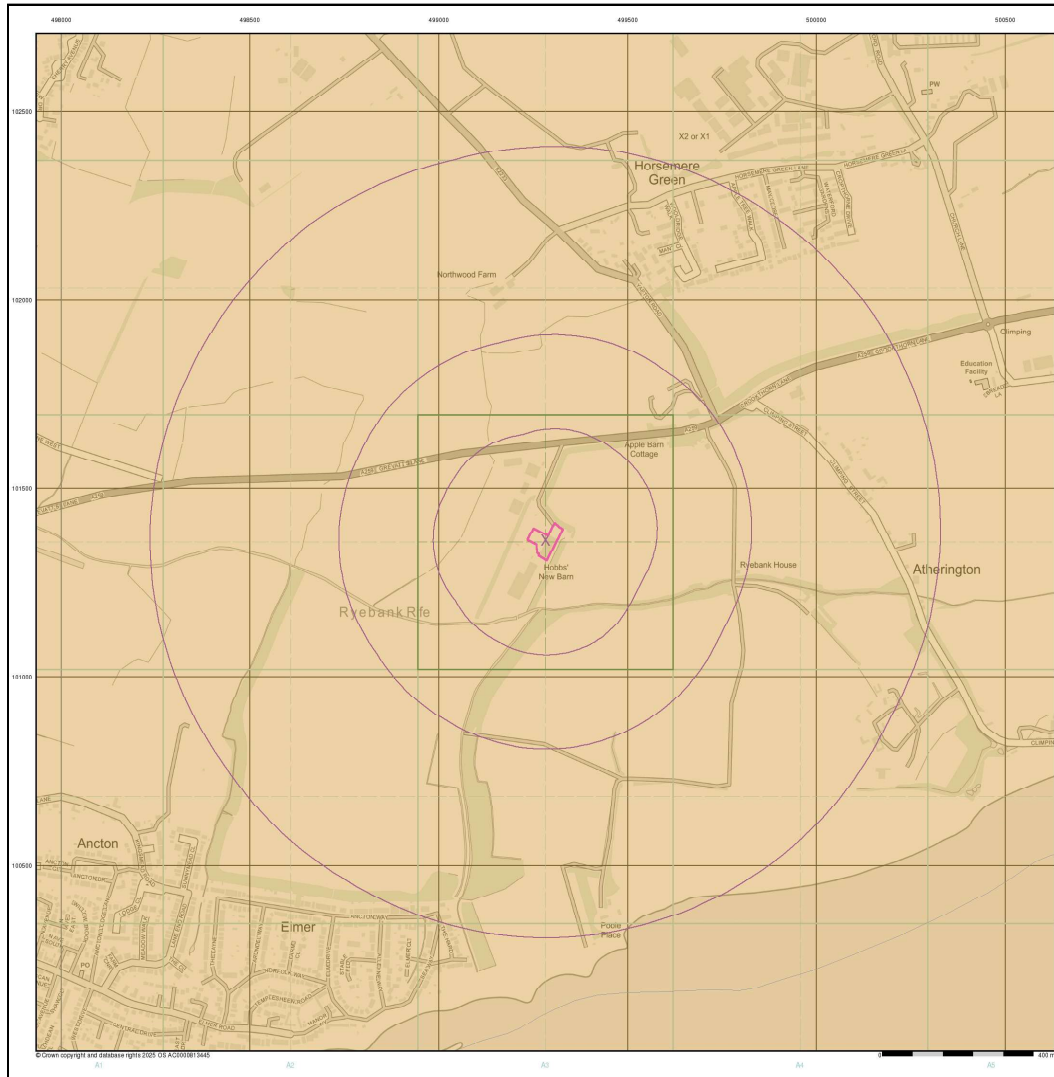
Order Details: 383861238_1_1
Customer Ref: JT0642_ML
National Grid Reference: 499280, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details

Site at 499290, 101360



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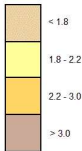


General

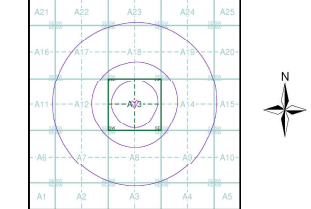
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

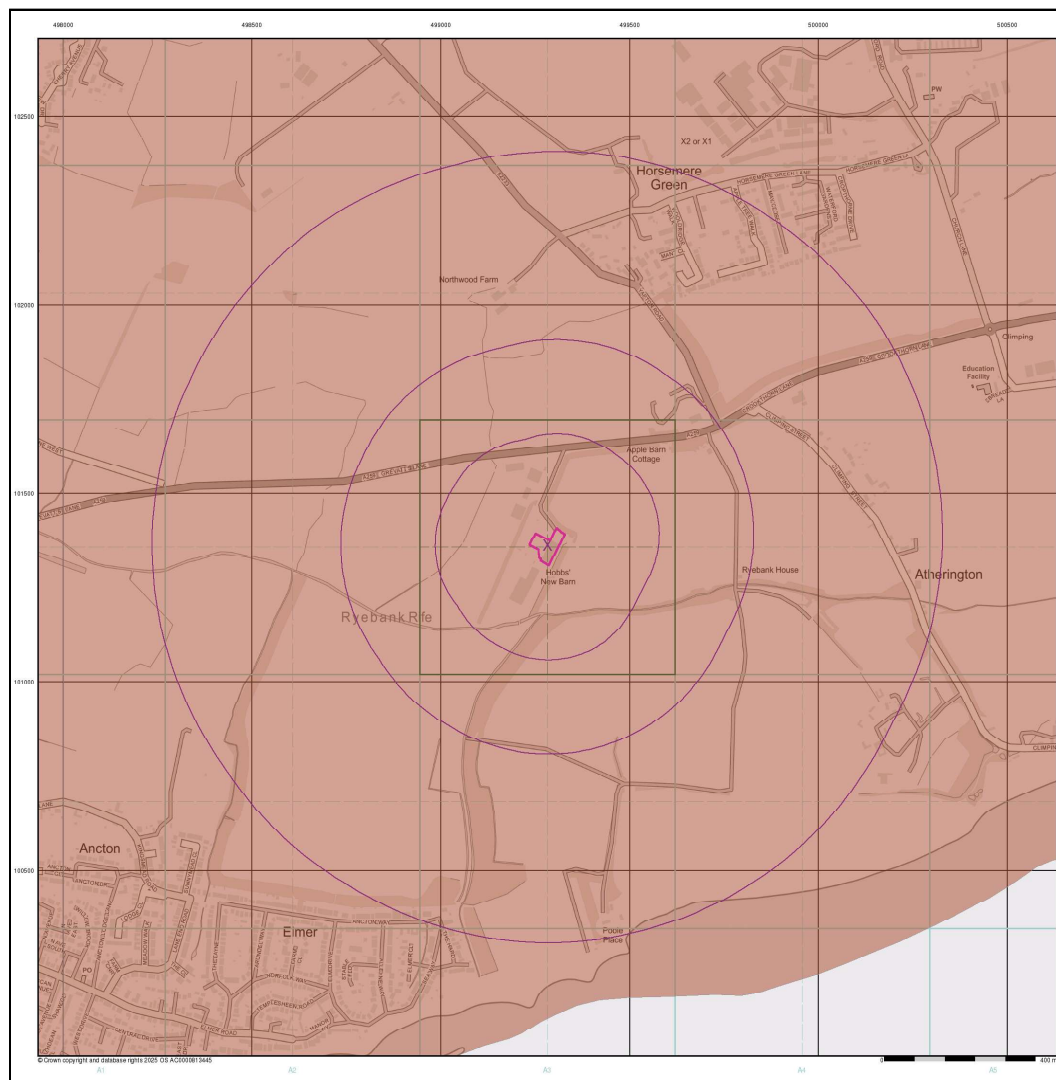
Order Details: 383861238_1_1
Customer Ref: JT0642_ML
National Grid Reference: 499280, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details

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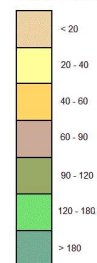


General

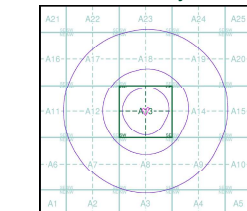
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

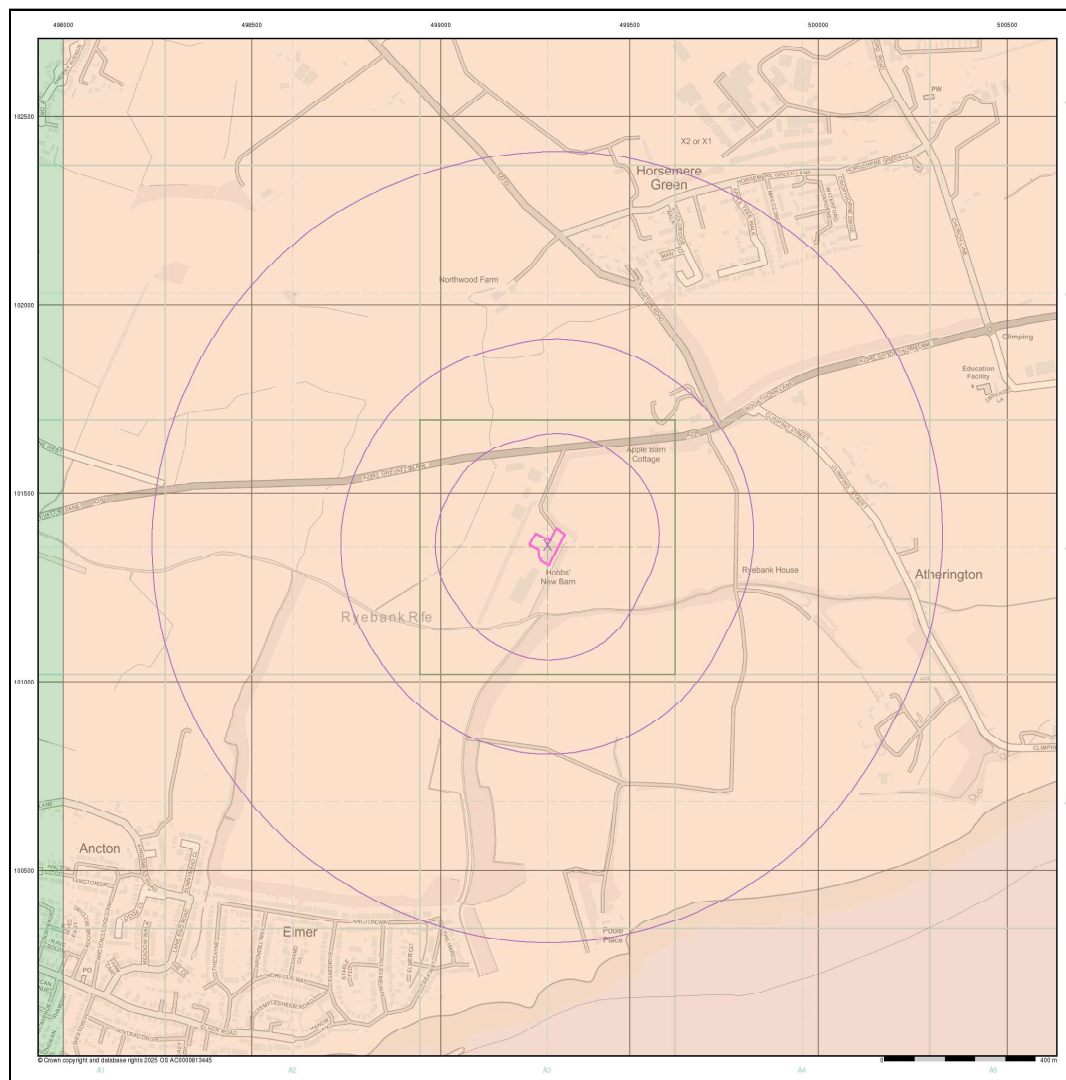


Order Details

Order Details: 383861238_1_1
Customer Ref: JT0642_ML
National Grid Reference: 499280, 101360
Slice: A
Site Area (Ha): 0.43
Search Buffer (m): 1000

Site Details

Site at 499290, 101360



**Southern Testing**
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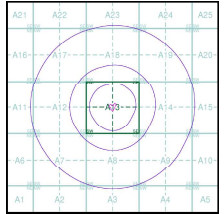
General
○ Specified Site ○ Specified Buffer(s) X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

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

Estimated Soil Chemistry Lead - Slice A



Order Details
Order Details: 383861238_1_1
Customer Ref: JT0642_ML
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Site Details
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