



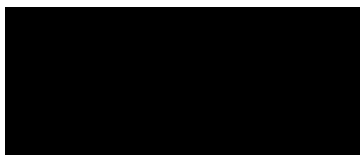
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## Phase 1 Desk Study Site Investigation Report

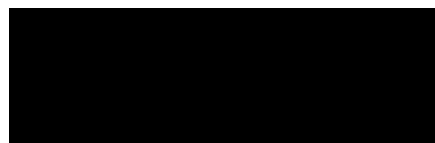
<b>LOCATION</b>	Workshops, Humber Bridge Garden Centre, Barton-upon-Humber, DN18 5RF
<b>ISSUE DATE</b>	December 2024
<b>FOR</b>	P and N Design
<b>CLIENT REF.</b>	
<b>OUR REF.</b>	G24355

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**Appendix 1** – Historical Map Record

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**Appendix 2** – The Coal Authority Report

## Executive Summary

The major conclusions of this desk-based Phase one study are summarised in the table below:

Site Suitability	Desk Study Finding	Preliminary Assessment
Normal Foundations	A potential for deeper made/infilled ground has been identified underlain by competent natural deposits at unknown depth.	Unclear
Soakaways	Clay soils unlikely to offer sufficient permeability.	Unlikely to be suitable

Potential Risks	Desk Study Finding	Preliminary Risk Assessment
Radon Gas	Less than 1% of properties affected.	Negligible
Chemical Contamination	Historical nearby and on-site land uses potentially giving rise to a range of inorganic and organic contaminants including asbestos, metals/metalloids, PAHs and petroleum hydrocarbons.	Moderate
Hazardous Gas	Potential for hazardous gas to be generated in made/infilled ground deposits.	Moderate
Ground Instability/ subsidence	Potential for compressible deposits.	Moderate
	Potential instability of slope / platform edge.	
	Potential for significant deposits of compressible made/infilled ground.	

NB. Arbitrary potential hazard assessment: High (Red), Moderate (Amber), Low (Yellow), Very Low (Green), Negligible (uncoloured)

## 1. Introduction

In accordance with your instruction, Geoinvestigate Ltd. has carried out a Phase 1 Desk Study Investigation of the land at Humber Bridge Garden Centre, Barton-upon-Humber, DN18 5RF. The location of the site is shown on the Groundsure Enviro+Geo Insight report presented in Appendix 2.

The site currently comprises an area of land some 0.32 ha in size with access from Far Ings Road to the South. The site is currently an area of soft landscaping within the existing compound of the garden centre.

It is understood that it is proposed to construct two one-storey commercial workshops and associated parking.

The purpose of the Phase 1 Desk Study investigation was to review the historical land use and geological information for the site in order to provide an assessment of the potential geotechnical/foundation problems together with a qualitative contamination and ground gas risk assessment.

## 2. Scope of Works

The investigation comprised a review of the following information;

- An extract from the 1:50,000 BGS geological mapping.
- Historical OS maps of various scales dating back to 1886 (presented in Appendix 1).
- Observations from a walkover study carried out by Geoinvestigate.

### 3. Findings of Phase 1 Investigation

#### 3.1 Anticipated Geology

The extract of the 1: 50,000 BGS geological mapping indicates that the site will be underlain by superficial deposits of Tidal Flat Deposits (clay and silts) with bedrock comprising the Ancholme Group (mudstone and siltstone). Boreholes, drilled by Geoinvestigate for an extension at an adjacent site found various depths of made ground, underlain by soft to firm natural silty clay.

#### 3.2 Historical OS Maps and Historical Land Use

Copies of historical OS maps were obtained for the site covering the period 1886 to 2024. Historical land uses and major features located within the site boundary and externally but potentially within influencing distance are summarised in Table 1. The earliest OS map of 1886 shows the site to comprise a brick yard.

**Table 1:** Summary of Historical OS Map Land Use & Potential Hazard Identification

Map Feature	Location	Appears	Absent	Notes
Brick Yard	Adjacent North	1886	Renamed Works 1983	Potential for made ground associated with clay extraction.
Marsh / Ponds / ground workings	On site / Surrounding	1932	Recent	Further evidence of clay extraction and infilling. Potential source of contamination and ground gas.
Chimney	90m Northeast	1967	Recent	Evidence of burning / brick firing / manufacture
(Mineral) Railway	90m East	1968	Recent	Railways can be a source of PAH and metals contamination through soot deposition.
Building	Adjacent East	1888	Recent	Associated with brick yard / clay extraction work. Construction and use are possible sources of contamination.
Tramway	70m East	1932	1988	Tramways can be a source of PAH and metals contamination through soot deposition.

NB. Arbitrary potential hazard assessment: High (Red), Moderate (Amber), Low (Yellow), Very Low (Green), Negligible (uncoloured)

A review of the historical OS maps has highlighted the land uses most likely to present (or have presented) a hazard or source of potentially harmful contamination to the study area. The primary features of interest are the brickworks, associated clay extraction works and any infilling of land from these.

#### 3.3 GroundSure Enviro + GeoInsight Reports

The GroundSure Enviro+Geo Insight Report presented in Appendix 2 provides listings of potentially contaminative current and past land uses together with possible pathway and receptor information. It also covers other potential risks to the site including ground hazards associated with the area's natural geological setting and man-made hazards such as those arising from development activities. A summary of the relevant Report findings is presented in Table 2 below and on the following pages.

An arbitrary potential hazard assessment has been made as follows: potentially significant (yellow), or unlikely to be significant (uncoloured). Potential receptors for contamination are highlighted blue.

**Table 2:** GroundSure Enviro+Geo Insight Summary:

Details	Feature	Location relative to site
<b>Past land use</b>		
Historical industrial land uses	Brick Yard (1) Unspecified Works Unspecified Pits (8) Brick Works (11) Railway Sidings (6)	On site (Closest) On site On site (Closest) On site (Closest) On site (Closest)
	Mineral Railway Sidings Unspecified Heap (2) Unspecified Ground Workings (3) Tileries (3) Tramway Sidings Clay Pit Chimney Unspecified Depot Unspecified Warehouse Refuse Heap (2)	58m NE 59m N (Closest) 134m NE (Closest) 202m W (Closest) 274m S 338m NE 373m NW 411m SE 455m SE 475m W (Closest)
Historical Tanks	Tanks (6) Unspecified Tank (5)	484m SE (Closest) 492m SE (Closest)
Historical Energy Features	Electricity Transformer (2) Electrical Substation (3)	189m SE (closest) 474m SE (closest)
Historical garages	N/A	N/A
<b>Landfill and Other Waste Sites</b>		
Historical landfill (LA/mapping records)	N/A	N/A
Historical landfill (EA/NRW records)	Inert, Industrial, Commercial, Household, Liquid sludge (1)	397m SW
Historical waste sites	N/A	N/A
Licensed waste sites	N/A	N/A
Waste exemptions	Using waste exemption (2) Storing waste exemption (4) Burning waste exemption (1)	309m SE (Closest) 426m SE (Closest) 433m SE (Closest)
Table 2 is continued on the following page		

NB Arbitrary potential hazard assessment: potentially significant (yellow), or unlikely to be significant (uncoloured). Potential receptors for contamination are highlighted blue.

**Table 2 (ctd.):** GroundSure Enviro+Geo Insight Summary:

Details	Feature	Location relative to site
<b>Past land use</b>		
Recent industrial land uses	Works Chimney	67m N 70m N
Current or recent petrol stations	N/A	N/A
Control of Major Accident Hazards (COMAH)	N/A	N/A
Licensed pollutant release (Part A(2)/B)	Manufacture of clay (2) Combustion and Incineration	76m N (Closest) 475m SE
Licensed Discharges to controlled waters	SEWAGE DISCHARGES (2) TRADE DISCHARGES (2) MISCELLANEOUS DISCHARGE – SURFACE WATER	40m E (Closest) 355m SE (Closest) 355m SE
Pollution Incidents (EA/NRW)	Specific Waste Materials (2) Other Pollutant (2) Oils and Fuel	326m SW (Closest) 375m W (Closest) 394m SE
<b>Hydrogeology - Superficial aquifer</b>		
Superficial aquifer	Unproductive Secondary Undifferentiated	On site 373m S
Bedrock aquifer	Unproductive Principal	On site 86m S
Groundwater vulnerability	Unproductive	On site
Soluble rock risk	No soluble rocks present	On site
Groundwater Abstractions	Historical	1969m S
Surface Water Abstractions	Historical (8)	546m W (closest)
<b>Hydrology</b>		
Water Network (OS MasterMap)	Water year round (18)	2m N (closest)
Surface Water Features	15 Recorded	Within 250m
WFD Surface water body catchments	River	On Site
WFD Surface water bodies	Transitional River	82m N 3286m SE
WFD Groundwater bodies	North Lincolnshire Chalk Unit	On site
<b>River and coastal flooding</b>		
Risk of Flooding from Rivers and Sea (RoFRaS)	High High	On site 0-50m
Historical Flood Events	Tidal	On site
Flood Zone 2	Zone 2 - (Fluvial /Tidal Models)	On site
Flood Zone 3	Zone 3 - (Fluvial Models)	On site
<b>Surface water flooding</b>		
Surface water flooding	Highest risk on site Highest risk within 50m	Negligible 1 in 30 year, 0.3m - 1.0m
<b>Groundwater flooding</b>		
Groundwater flooding	Highest risk on site Highest risk within 50m	Moderate-High High
<b>Environmental designations</b>		
Sites of Special Scientific Interest (SSSI)	Humber Estuary (3)	4m N (closest)
Conserved Wetland Sites	Humber Estuary (3)	4m N (closest)
Special Areas of Conservation (SAC)	Humber Estuary	55m N
Special Protection Areas (SPA)	Humber Estuary (4)	4m N (closest)
National Nature Reserves (NNR)	Far Ings (2)	4m N (closest)
Local Nature Reserves (LNR)	Waters Edge (2) Far Ings	295m E (closest) 715m SW
Nitrate Vulnerable Zones	Groundwater (3)	321m S (closest)

Table 2 is continued on the following page

NB Arbitrary potential hazard assessment: potentially significant (yellow), or unlikely to be significant (uncoloured). Potential receptors for contamination are highlighted blue.

**Table 2 (ctd.):** GroundSure Enviro+Geo Insight Summary:

Details	Feature	Location relative to site
<b>Visual and cultural designations</b>		
Listed Buildings	Grade II (5)	65m N (Closest)
<b>Agricultural and Habitat designations</b>		
Agricultural Land Classification	Grade 3 Grade 2	On site 209m S
Environmental Stewardship Schemes	Higher Level Stewardship	1m N
Priority Habitat Inventory	Deciduous Woodland (6) Reedbeds (23) Costal and floodplain grazing marsh (6) No main habitat but additional habitats present (2) Coastal saltmarsh (4) Mudflats	On site (Closest) 6m S (Closest) 20m S (Closest) 53m N (Closest)  63m N (Closest) 122m N
Habitat Networks	Network Enhancement Zone 1 Network Enhancement Zone 2 (2) Restorable Habitat Primary Habitat (2) Associated Habitats	On site On site (Closest) On site 16m S (Closest) 142m N (Closest)
<b>Geology 1:10,000 scale</b>		
Artificial and made ground (10k)	Made Ground (undivided) (2)	24m S (Closest)
Superficial geology (10k)	Tidal Flat Deposits (2) Till - Devensian	On site (Closest) 347m S
Bedrock geology (10k)	Ancholme Group - Mudstone Huntsman Formation - Chalk Ferriby Chalk Formation - Chalk Welton Chalk Formation - Chalk	On site 61m S 74m S 420m S
Bedrock faults and other linear features (10k)	N/A	N/A
<b>Geology 1:50,000 scale</b>		
Artificial and made ground (50k)	Made ground (undivided) (2)	56m S (Closest)
Superficial geology (50k)	Tidal Flat Deposits (2) Till - Devensian	On site (Closest) 373m S
Superficial Permeability (50k)	Low to Very Low	On site
Bedrock geology (50k)	Ancholme Group – Mudstone (2) Huntsman Formation - Chalk Ferriby Chalk Formation - Chalk Welton Chalk Formation - Chalk	On site (Closest) 86m S 115m S 459m S
Bedrock permeability (50k)	Fracture (Low to Very Low)	On site
Bedrock faults and other linear features (50k)	N/A	N/A
<b>Natural ground subsidence</b>		
Shrink swell clays	Low	On site
Running sands	Moderate	On site
Compressible deposits	Moderate	On site
Collapsible deposits	Negligible	On site
Landslides	Very Low	On site
Ground dissolution of soluble rocks	Negligible	On site

Table 2 is continued on the following page

NB Arbitrary potential hazard assessment: potentially significant (yellow), or unlikely to be significant (uncoloured). Potential receptors for contamination are highlighted blue.

**Table 2 (ctd.):** GroundSure Enviro+Geo Insight Summary:

Details	Feature	Location relative to site
<b>Mining, ground workings and natural cavities</b>		
BritPits	Clay & Shale (14)	27m NE (Closest)
Surface ground workings	Brick Works (12)	On site (Closest)
	Unspecified Pits (28)	On site (Closest)
	Brick Yard (4)	On site (Closest)
	Ponds (56)	On site (Closest)
	Water Bodies (2)	On site (Closest)
	Unspecified Heap (10)	92m NW (Closest)
	Unspecified Ground Working (3)	134m NE (Closest)
Underground workings	Unspecified Shaft	849m E
Historical Mineral Planning Areas	Clay (2)	Onsite (closest)
Non-coal mining	N/A	N/A
JPB mining areas	N/A	N/A
Coal mining	N/A	N/A
<b>Radon Risk</b>		
Radon Risk	Less than 1% of properties affected, no protection required	On site
<b>Soil chemistry</b>		
Mostly near normal levels recorded.		
<b>Railway infrastructure and projects</b>		
Historical railway and tunnel features	Railway Sidings (6)	On site (Closest)
	Tramway Sidings (2)	54m NE (Closest)
	Mineral Railway Sidings (4)	68m NE (Closest)
Railways	N/A	N/A

NB Arbitrary potential hazard assessment: potentially significant (yellow), or unlikely to be significant (uncoloured). Potential receptors for contamination are highlighted blue.

The GeoInsight report has highlighted no additional potential risks to the site or the intended development arising due to historical or current land uses and the site's geological setting beyond those already discussed save for perhaps the records of a nearby scrap yard. Additionally, a nearby stream has been highlighted as a possible receptor.

### 3.4 Walkover Survey Observations

A site reconnaissance visit was undertaken on the 9<sup>th</sup> December 2024 by Liam Lonsdale of Geoinvestigate.

The site was as described in Section 1 of this report comprising an open parcel of land within the Humber Bridge Garden Centre.

The site currently comprises an area of land some 0.32 ha in size with access from Far Ings Road to the South. The grassy area is undulating, which may be indicative of infilled land.

Access to the site is via a tarmac road which should provide adequate access for vehicles and/or plant.

The inspection of the surface of the site found no obvious evidence of physical hazards or odours, staining, or residues that might be indicative of the presence of chemical (including hydrocarbon) contamination. On the basis of the walkover inspection only, the risk of a serious contamination hazard occurring at this site would be assessed to be very low given the current condition of the site and use. The hazardous gas risk at the site, based solely on the findings of the walkover survey, would also be assessed to be very low given it is unlikely any substantial gas source exists beneath the site.

It is noted however that despite the apparent lack of evidence of any contamination encountered during the visual inspection described above, any planning application is likely to require confirmation that no contamination is likely to have occurred. Photographs taken during the walkover survey are presented below and on the following page:

**Photograph 1:** Access to site



**Photograph 2:** Western boundary, looking north



**Photograph 3:** Northern boundary, looking northeast



**Photograph 4:** Northern boundary, looking northeast



**Photograph 5:** Western boundary, looking north



**Photograph 6:** view east across the site



## 4. Qualitative Risk Assessment

### 4.1 Methodology

In order to assess the potential risks to the site, information obtained on the potential sources of hazard identified in Section 3 have been reviewed and applied to a model of the site. This allows an assessment of the potential sources of contamination to be made by examining the potential pollutant linkages between these and the receptors at the site.

The risk assessment presented comprises a source-pathway-receptor model developed in the context of the intended end use of the site (Commercial use).

It is noted that an alternative land use would present different pollutant linkages with more or less vulnerable receptors and differing pathways for exposure. Were the intended land use to be changed at the site, a revised risk assessment would be required.

Identified potential sources of hazard or contamination, vulnerable receptors, and possible pathways by which they may be exposed are presented in the Conceptual Ground Hazard Model (CGHM) presented in Figure 1, see Section 4.2.

In addition to risks to human health and controlled waters and aquifers posed by contamination and ground gas, the CGHM examines the potential risks to the construction of the development including its buildings from geological or geotechnical hazards.

It allows an overall assessment to be made of the potential hazards and risks to the site and the proposed development with respect to “fitness for purpose”.

### 4.2 Risk Assessment

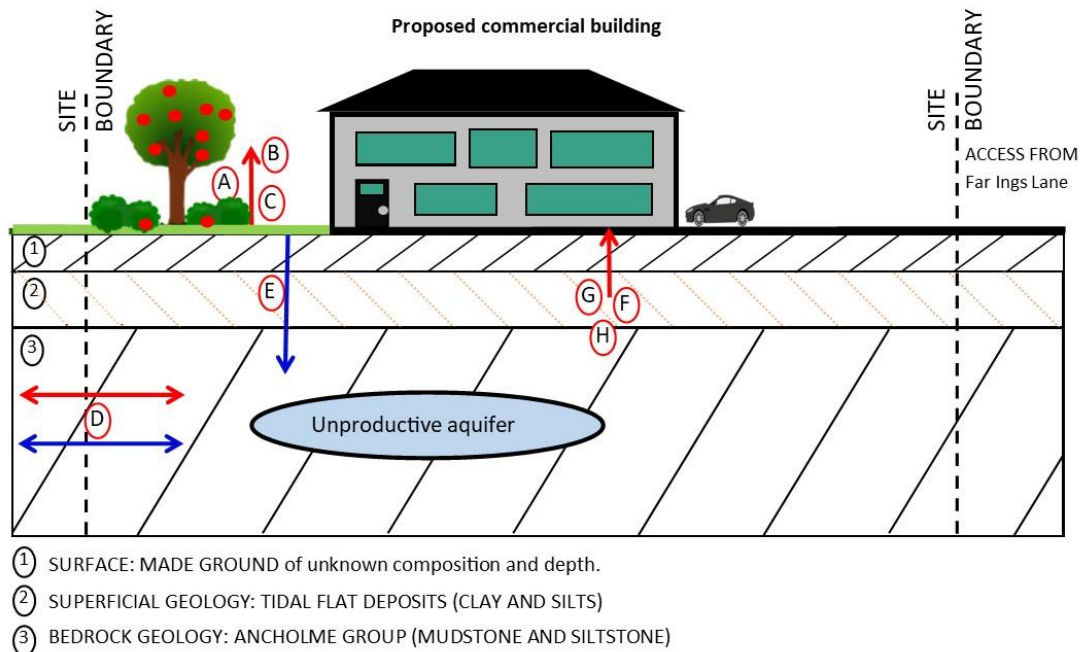
The desk study has highlighted the presence of possible sources of contamination which could potentially affect (or have affected) the site, primarily comprising the infilled ponds on site and the adjacent brickworks.

Contamination from external sources would require a favourable pathway for migration into the site.

BGS mapping and borehole records both suggest that the superficial deposits will primarily comprise clay soils which would have intrinsically low permeability. As such, it is quite unlikely that a plausible pathway for contamination migration into or out of the site could exist and thus the risk of contamination migration is probably very low.

Potential receptors at the site would include the end users of the site (commercial use), workers employed in the construction of the new development, the buildings themselves and their services, plants and vegetation, neighbouring sites (and their users/occupants), nearby surface water and ground water at depth. A representation of the potential hazards and pollutant linkages is shown in Figure 1 overleaf.

**Figure 1 – Conceptual Ground Hazard Model of site including a Source, Pathway and Receptor Model**



#### IDENTIFIED HAZARDS Including Potential CONTAMINATION SOURCES

- Possible presence of made ground and historical contamination thereof by past land use and development and/or demolition works at the site.
- Potentially contaminative historical land uses on nearby/adjacent sites including; a brick works, a railway and a tramway
- Potential for made or infilled ground to generate hazardous gases either within the study site or on adjacent/nearby sites.
- Possible hazardous gas risk from shallow historical coal mining.
- Potential ground stability issues associated with; shrink-swell clays, potentially weak and compressible made ground.

#### IDENTIFIED RECEPTORS and ASSOCIATED PATHWAY

- A**— End Users through Direct Contact / Inhalation / Ingestion. Buildings and hard standing will encompass most of the site, removing any pathway to end users through direct contact in these areas.
- B**— Plants and Trees through uptake, unlikely given the intended end use and proposed development layout.
- C**— End Users through cultivation and consumption of vegetables / fruit. NOT considered possible given the intended end use and proposed development layout.
- D**— Neighbouring Sites through lateral migration (in soil and water, including surface water run off).
- E**— Groundwater through leaching of sub-soil.
- F**— Buildings and services through direct contact.
- G**— End users and buildings through ground gas migration.
- H**— Geotechnical risks to buildings and services.

The CGHM and the summary table below (Table 3) present the most likely potential sources of contamination, gas or geotechnical risk that are considered to be possible either within or near to the study site.

The identified potential contamination sources could feasibly have given rise to harmful and potentially mobile contamination of made ground which might underlie the site.

Superficial deposits are anticipated to primarily comprise low permeability clay soils and so significant contamination migration into or out of the site is currently thought unlikely to have occurred.

Therefore, assuming the worst-case scenario, the potential for harmful contamination to exist at the site from historical sources is assessed to be Moderate (as opposed to low or negligible) owing to the potentially contaminative activities located near to and within the study area (primarily concerning the infilled ponds on site and the former brickworks and railway).

The hazardous gas risk is assessed to be Moderate due to the potential for significant (>1.0m deep) infilled ground to be present.

The actual current level of risk to the development and its users can only be ascertained for certain through confirmation of the ground conditions by a Phase 2 intrusive investigation, including a contamination survey and potentially a gas monitoring survey.

**Table 3: Summary of Conceptual Ground Hazard Model**

Potential Source	Nature of Hazard	Associated Contaminants	Pathway	Receptor	Preliminary Risk Rating
Historical land use and development. Possible made ground. Adjacent railway. Brickworks / Chimney	Inorganic and organic chemical contaminants within soil.	-Trace metals -PAHs -Petroleum hydrocarbons -Asbestos	-Direct human contact -Ingestion of soil -Ingestion of dust -Inhalation of vapour -Leaching into ground or surface waters	-Site Operatives -End Users -Vegetation -Controlled waters -Structures and services -Neighbouring sites/users	Moderate
Possible made ground	Hazardous ground gas migration.	Landfill-type gases (CO <sub>2</sub> , CH <sub>4</sub> etc.)	-Inhalation -Explosion risk	-Site Operatives -End Users -Structures	Moderate
Local Geology	Radon gas migration	Radon gas	-Inhalation	-End Users	Negligible
Shallow coal mine workings	Ground instability via risk of settlement / collapse	N/A	Direct	-End Users -Structures	Negligible
Shrink-swell clays	Ground instability via vegetation influence / heave	N/A	Direct	-End Users -Structures	Low
Infilled ground	Ground instability via risk of settlement	N/A	Direct	-End Users -Structures	Moderate

NB. Arbitrary potential hazard assessment: High (Red), Moderate (Amber), Low (Yellow), Very Low (Green), Negligible (uncoloured)

## 5. Conclusions

A summary of the anticipated ground conditions, risks and implications based on the findings of Sections 3 and 4 of this report is presented in Table 4 below:

**Table 4:** Summary of Phase 1 Desk Study Findings

Concern	Desk Study Finding	Initial Risk Assessment	Potentially Useful Action in a Phase 2 Site Investigation
Normal Foundations	A potential for deeper made/infilled ground has been identified underlain by competent natural deposits at unknown depth.	Unclear	Borehole investigation to confirm strength of ground with regard to supporting building loads. Soil analysis might also be included to establish risk with regard to shrink-swell clay to rule out vegetation influence, or assess strength of any potentially weaker soils.
Soakaways	Clay soils unlikely to offer sufficient permeability.	Unlikely to be suitable	Water infiltration testing to quantify permeability of superficial deposits if granular strata are encountered.
Radon Gas	Less than 1% of properties affected.	Negligible	None. No radon protection required.
Chemical Contamination	Historical nearby and on-site land uses potentially giving rise to a range of inorganic and organic contaminants including asbestos, metals/metalloids, PAHs and petroleum hydrocarbons.	Moderate	Chemical analysis for potential contaminants in soil samples (and potentially leachate). Samples should be recovered from made ground (if found) and topsoil, and also potentially underlying natural sub soils to check for potential leaching and/or migration into the site from possible external sources.
Hazardous Gas	Potential for hazardous gas to be generated in made/infilled ground deposits.	Moderate	Ground gas monitoring wells in shallow boreholes to monitor CO <sub>2</sub> , CH <sub>4</sub> content etc.
Ground Instability/ subsidence	Potential for compressible deposits.	Moderate	Borehole investigation to confirm strength of both natural and made ground and shrinkage potential of any cohesive soils.
	Potential for significant deposits of compressible made/infilled ground.		

The initial risk assessment provided above is tentative as it is based only on the Phase 1 desk study. The risks will need to be reassessed and may perhaps change significantly becoming higher or lower depending on the results of the Phase 2 intrusive investigation and contamination/gas survey, should these be undertaken.

## 6. Recommendations

In light of the Phase 1 desk study findings it is recommended that a Phase 2 investigation be undertaken at the site to better explore the possible risks that have been identified. This should include contamination analyses and ground gas monitoring together with a geotechnical appraisal of the site to establish correct foundation requirements. As there are relative uncertainties, this work is

recommended in order to establish the actual site conditions and to properly assess both geotechnical and environmental risks.

The Phase 2 investigation should be designed to focus on the potential contaminants highlighted in the CGHM (Figure 1 and Table 4). As there is a potential hazardous gas risk, a gas survey is recommended.

**Table 5: Proposed Phase 2 Site Investigation Specification**

Action	Quantities	Justification/Details
Window Sampling Boreholes	Up to 4 boreholes. (up to 4-5m in depth – if achievable)	<p>Establish actual ground conditions and confirm strength of ground.</p> <p>Retrieve samples of possible made ground and natural soils for geotechnical testing and contamination analysis. Potentially recover ground water samples if encountered.</p> <p>Installation of ground gas monitoring wells.</p>
Chemical Contamination Analysis of Soils and Leachate  (and possibly ground water if pertinent)	Up to 6 No. samples from topsoil and/or made ground at shallow depth (<1m) and potentially also deeper natural strata or made ground (if encountered).	<p>Quantify risk posed to receptors identified in CGHM (see Figure 1) for revised risk assessment.</p> <p>Determinands should include a range of metals/metalloids, speciated PAH content, petroleum hydrocarbon content, asbestos presence, and soil organic matter content (to aid in revised risk assessment).</p>
Gas monitoring	Up to 6 No. visits over 3 months. Preferably including occasions of <1000mb and after sharp drop (may only be required in made ground encountered at site).	<p>Quantify risk posed by potential hazardous gas from in-filled ground. Possible analysis of Total Organic Carbon (TOC) to support gas measure recommendations (or in the absence of gas monitoring data) using guidance published in CL:AIRE research bulletin RB17.</p> <p>If no evidence of shallow mining or significant (&gt;1m deep) made ground deposits are encountered, then monitoring may not be necessary or may be cut short (i.e. if there is no feasible significant gas sources).</p>
Geotechnical Testing	Up to 50+ No.  Up to 5 No.	<p>Moisture content determination to classify nature of soils.</p> <p>Atterberg Limit determinations to assess the shrinkage and swelling characteristics of the ground should clay soils be encountered.</p>
Provision of Factual and Interpretive Report	N/A	<p>Presentation of findings and implications including:</p> <ul style="list-style-type: none"> <li>• Site plan</li> <li>• Borehole and trial pit logs</li> <li>• Results of geotechnical testing</li> <li>• Contamination analysis results</li> <li>• Ground gas measurements (if appropriate)</li> <li>• Revised CGHM and chemical contamination risk assessment including appropriate soil assessment criteria.</li> <li>• Advice regarding any necessary remediation/validation</li> <li>• Advice regarding foundation design etc.</li> </ul>

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**END OF REPORT**

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**Manchester**

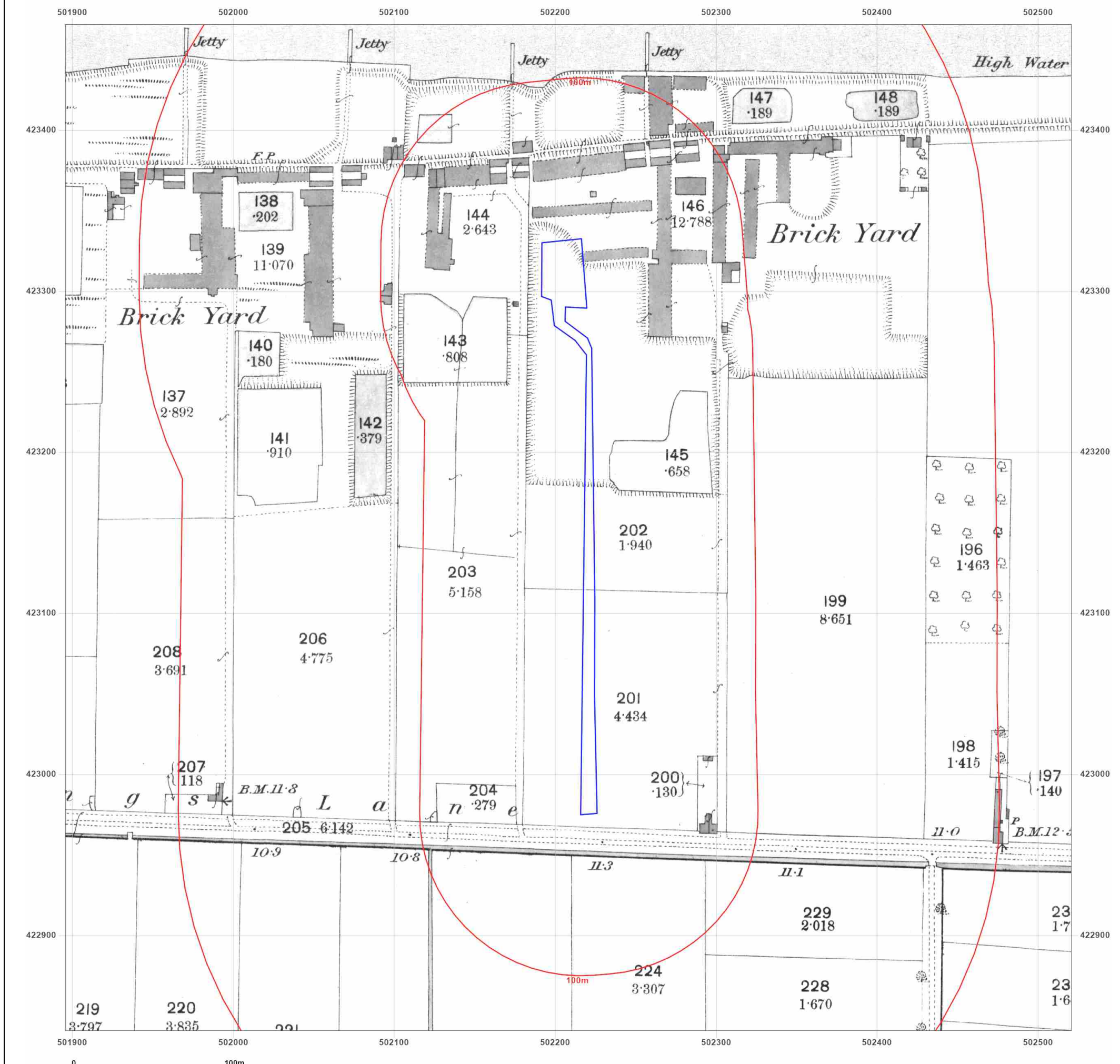
Suite 26 Atlantic Business Centre  
Atlantic Street  
Altrincham  
WA14 5NQ  
Tel. 07795 845 729  
[enquiries@geoinvestigate.co.uk](mailto:enquiries@geoinvestigate.co.uk)

**Nottingham**

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Amber Drive, Langley Mill  
Nottingham  
NG16 4BE  
Tel. 01773 301 235  
[enquiries@geoinvestigate.co.uk](mailto:enquiries@geoinvestigate.co.uk)

## **APPENDIX 1**

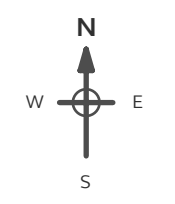
### Historical Map Record



**Site Details:**  
 WORKSHOPS, HUMBER  
 BRIDGE GARDEN CENTRE,  
 BARTON UPON HUMBER,  
 NORTH LINCOLNSHIRE, DN18  
 5RF

**Client Ref:** G24355  
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**Grid Ref:** 502208, 423153

**Map Name:** County Series  
**Map date:** 1888  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



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 Revised 1888  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

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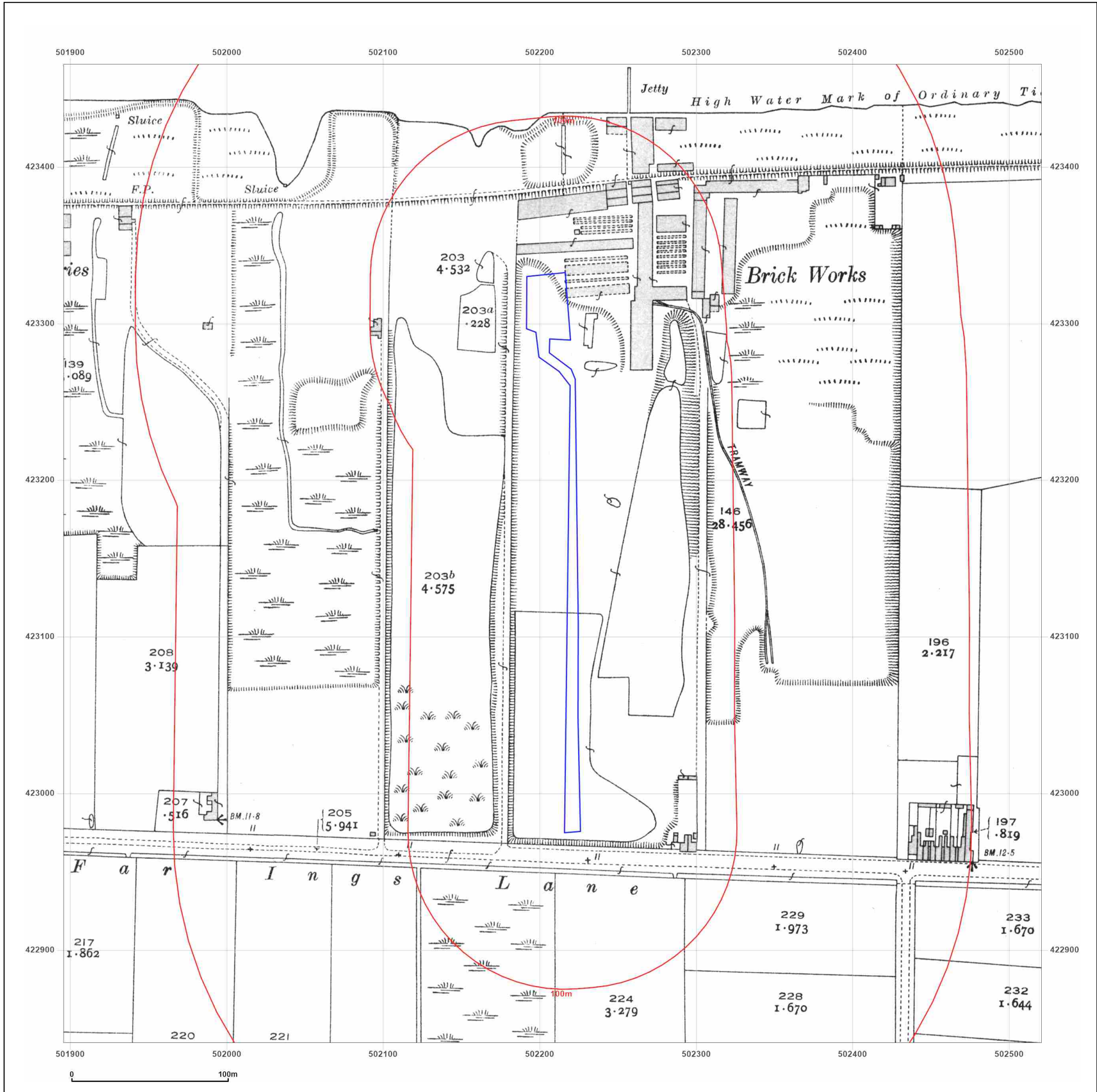
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NORTH LINCOLNSHIRE, DN18  
5RF

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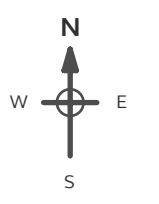
Surveyed 1932  
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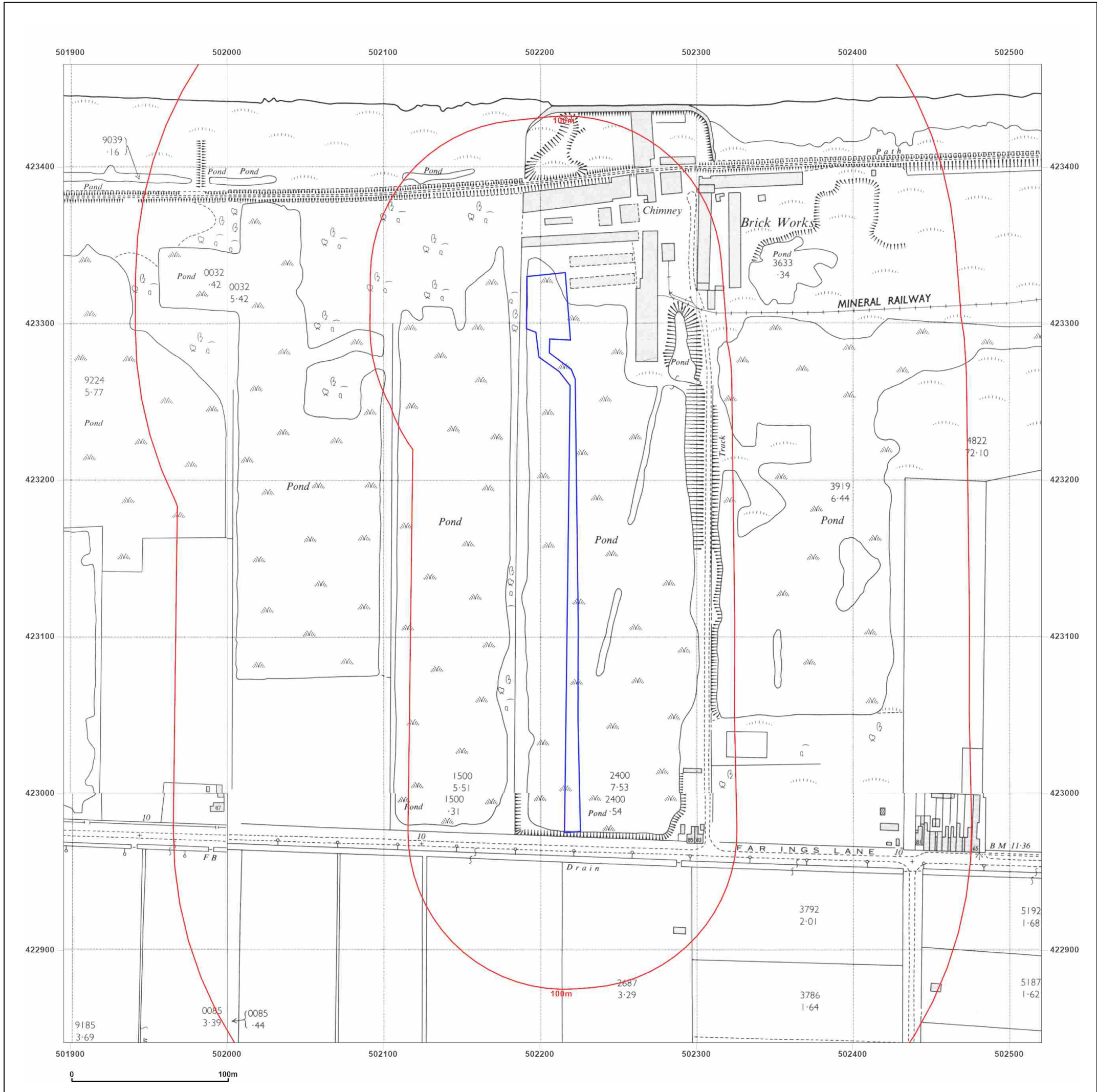
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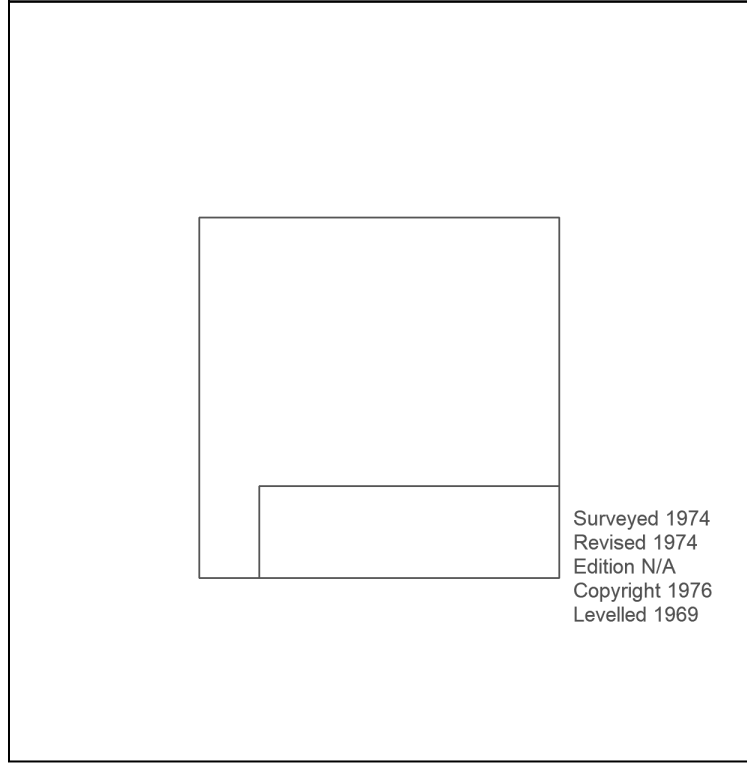
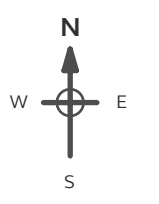


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NORTH LINCOLNSHIRE, DN18  
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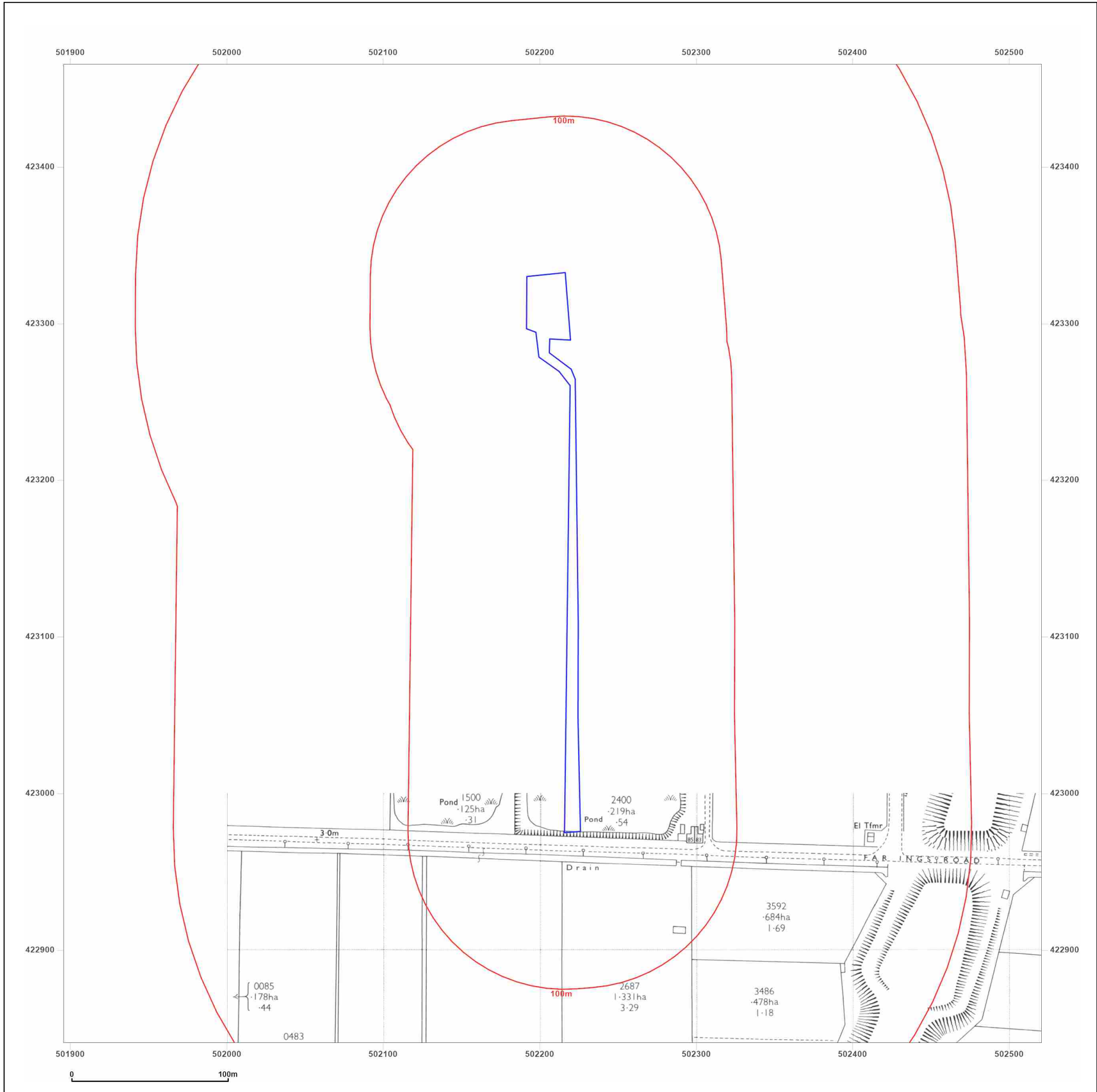
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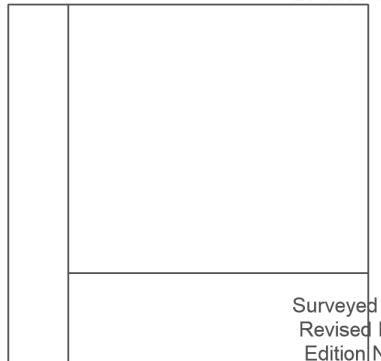
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NORTH LINCOLNSHIRE, DN18  
5RF

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Surveyed 1981  
Revised 1981  
Edition N/A  
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Surveyed N/A  
Revised N/A  
Edition N/A  
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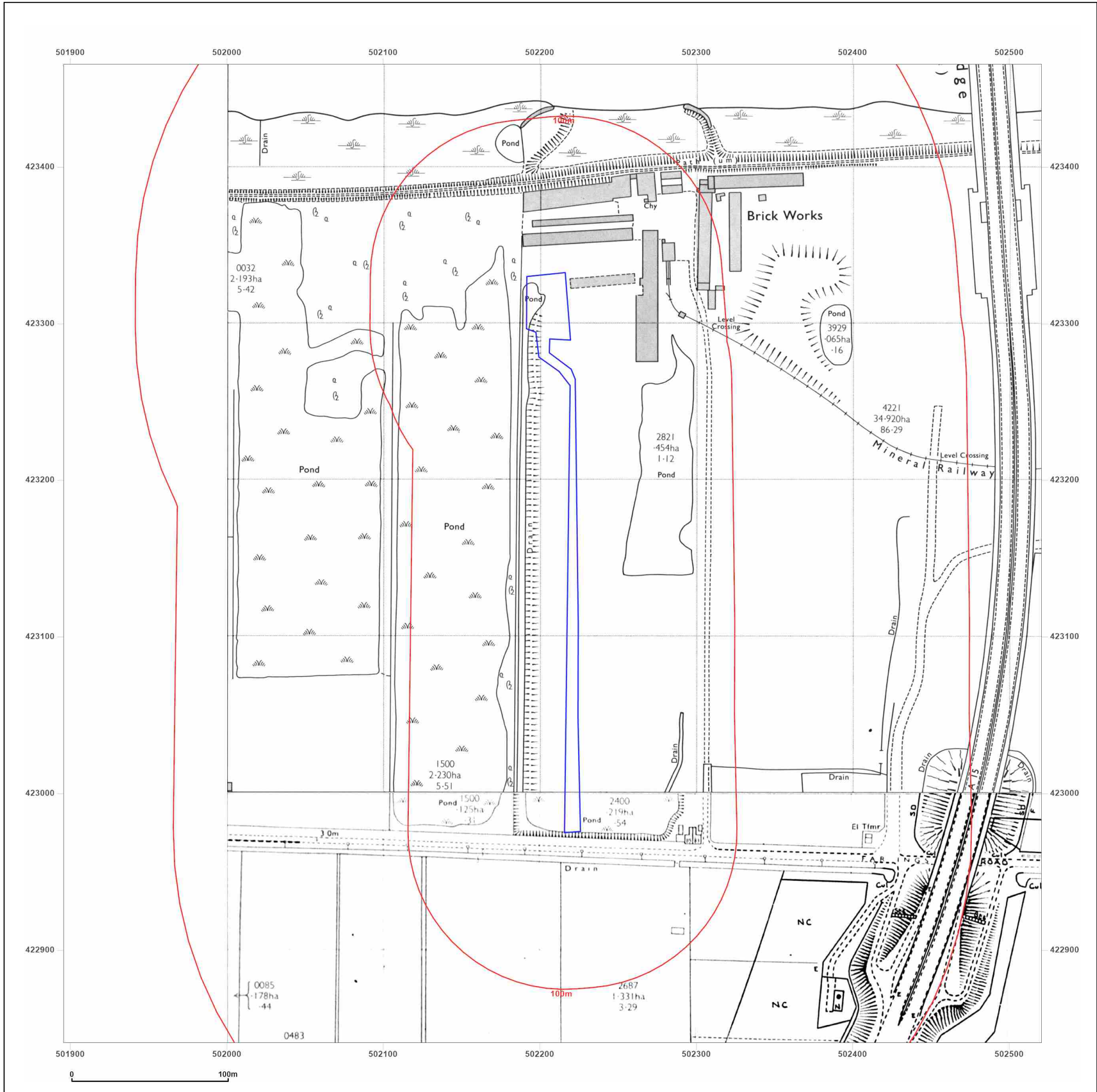


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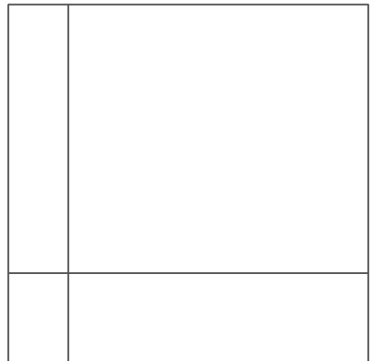
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BRIDGE GARDEN CENTRE,  
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**Scale:** 1:2,500  
**Printed at:** 1:2,500



<p>Surveyed N/A Revised N/A Edition N/A Copyright 1988 Levelled 1969</p>	<p>Surveyed 1983 Revised 1983 Edition N/A Copyright 1984 Levelled 1969</p>
	
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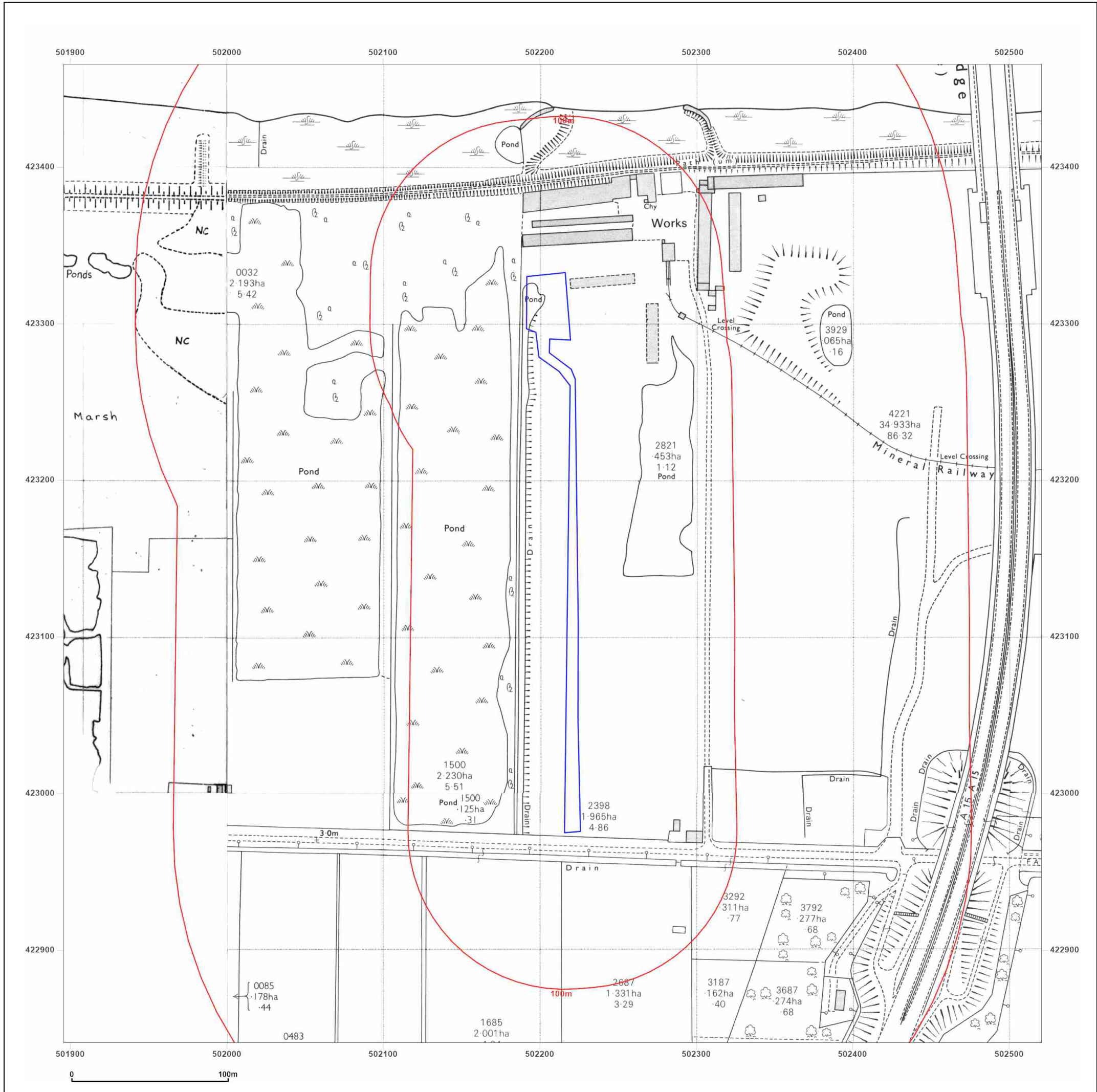
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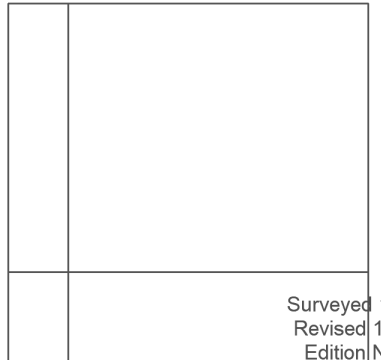
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5RF

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Surveyed 1969  
Revised 1988  
Edition N/A  
Copyright 1988  
Levelled 1969



Surveyed 1969  
Revised 1982  
Edition N/A  
Copyright 1987  
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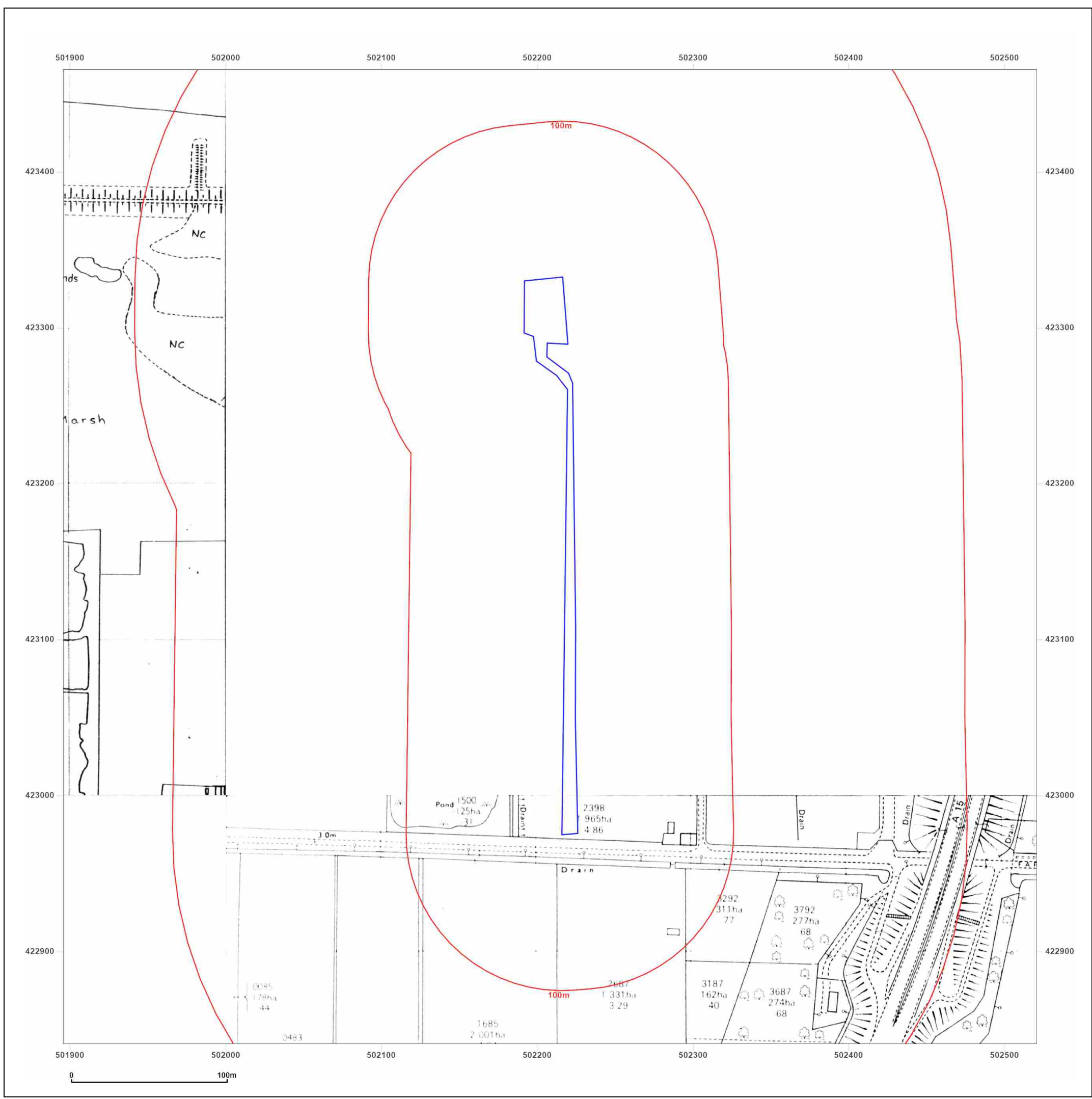


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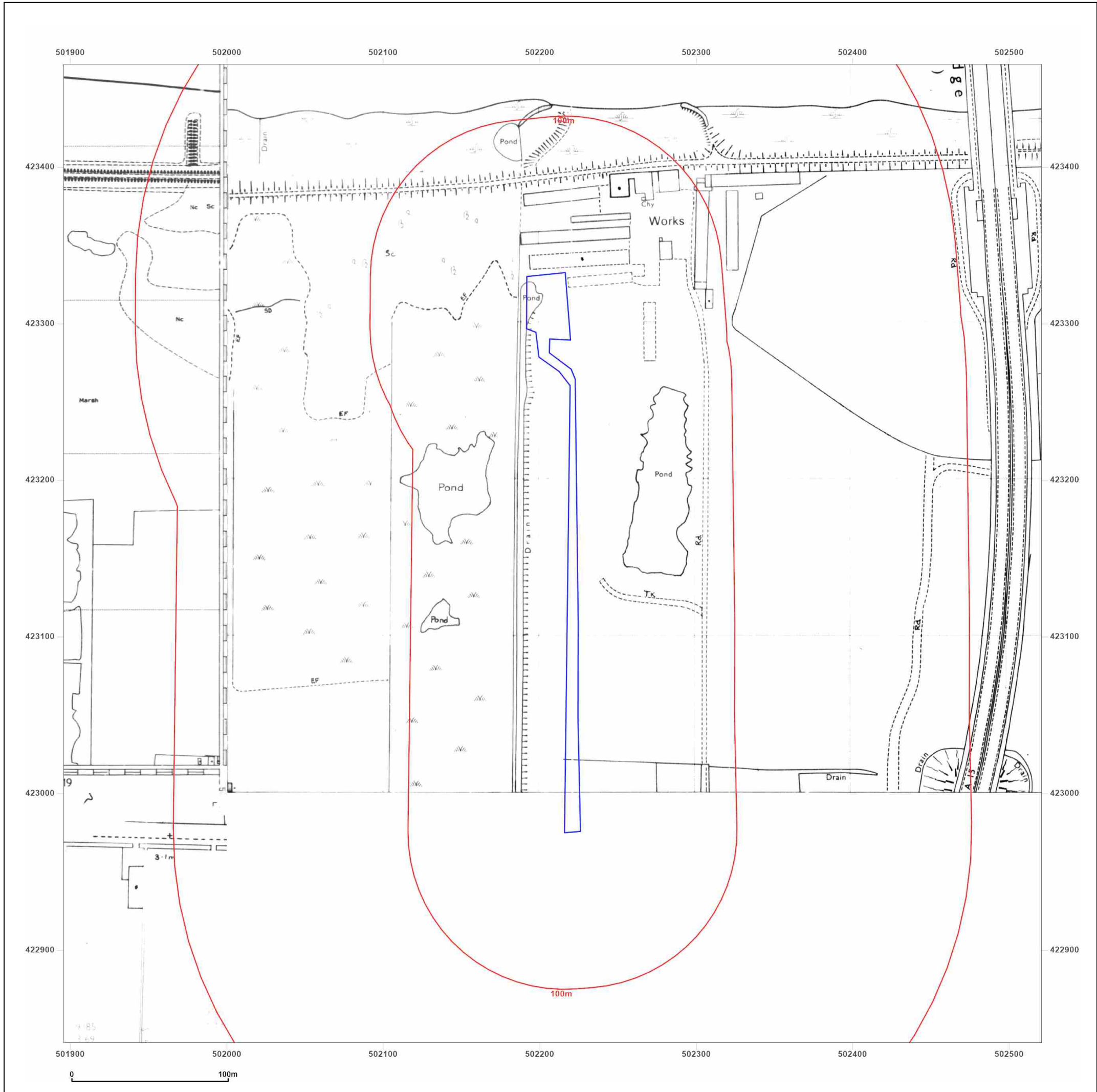
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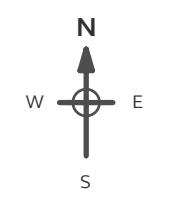
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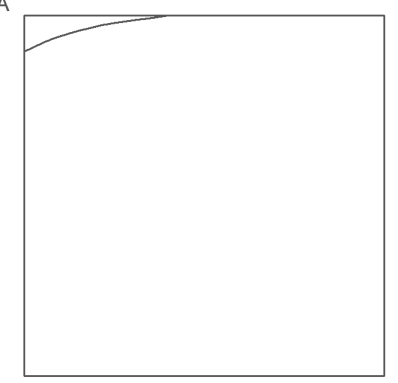
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 Edition 1855  
 Copyright N/A  
 Levelled N/A

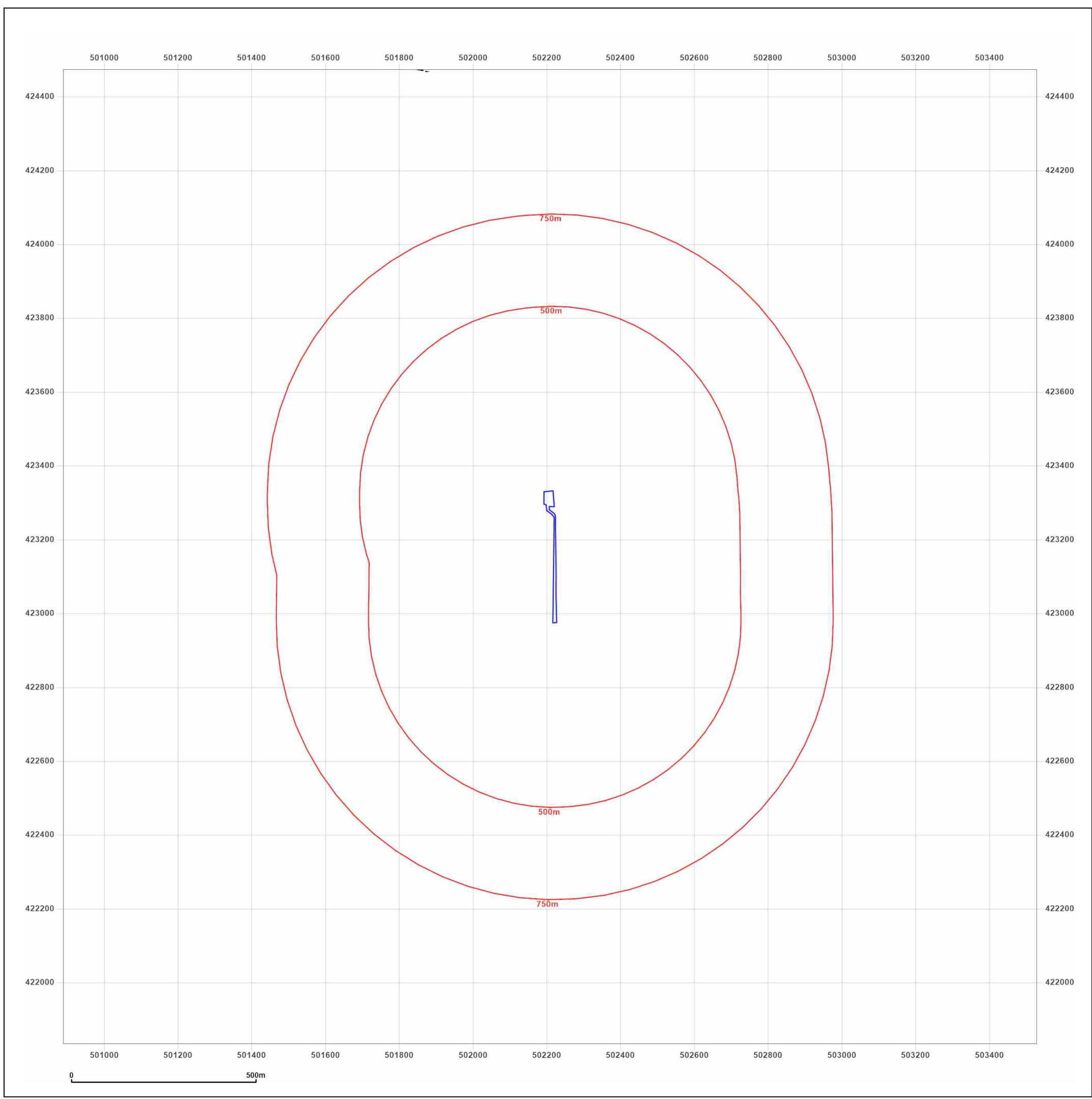


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NORTH LINCOLNSHIRE, DN18  
5RF

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**Grid Ref:** 502208, 423153

**Map Name:** County Series

**Map date:** 1886

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Surveyed 1886 Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed 1886 Revised N/A Edition N/A Copyright N/A Levelled N/A
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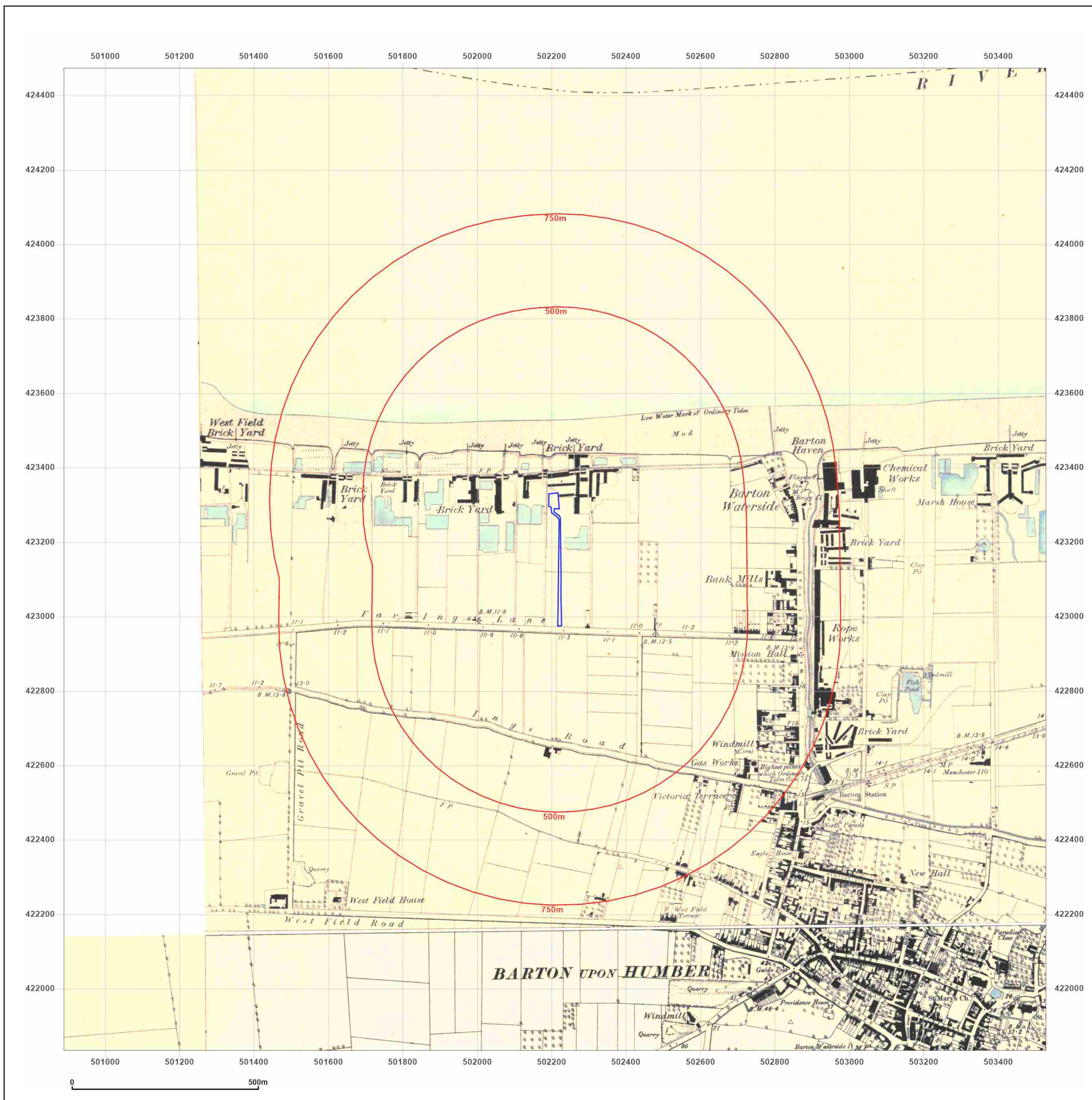


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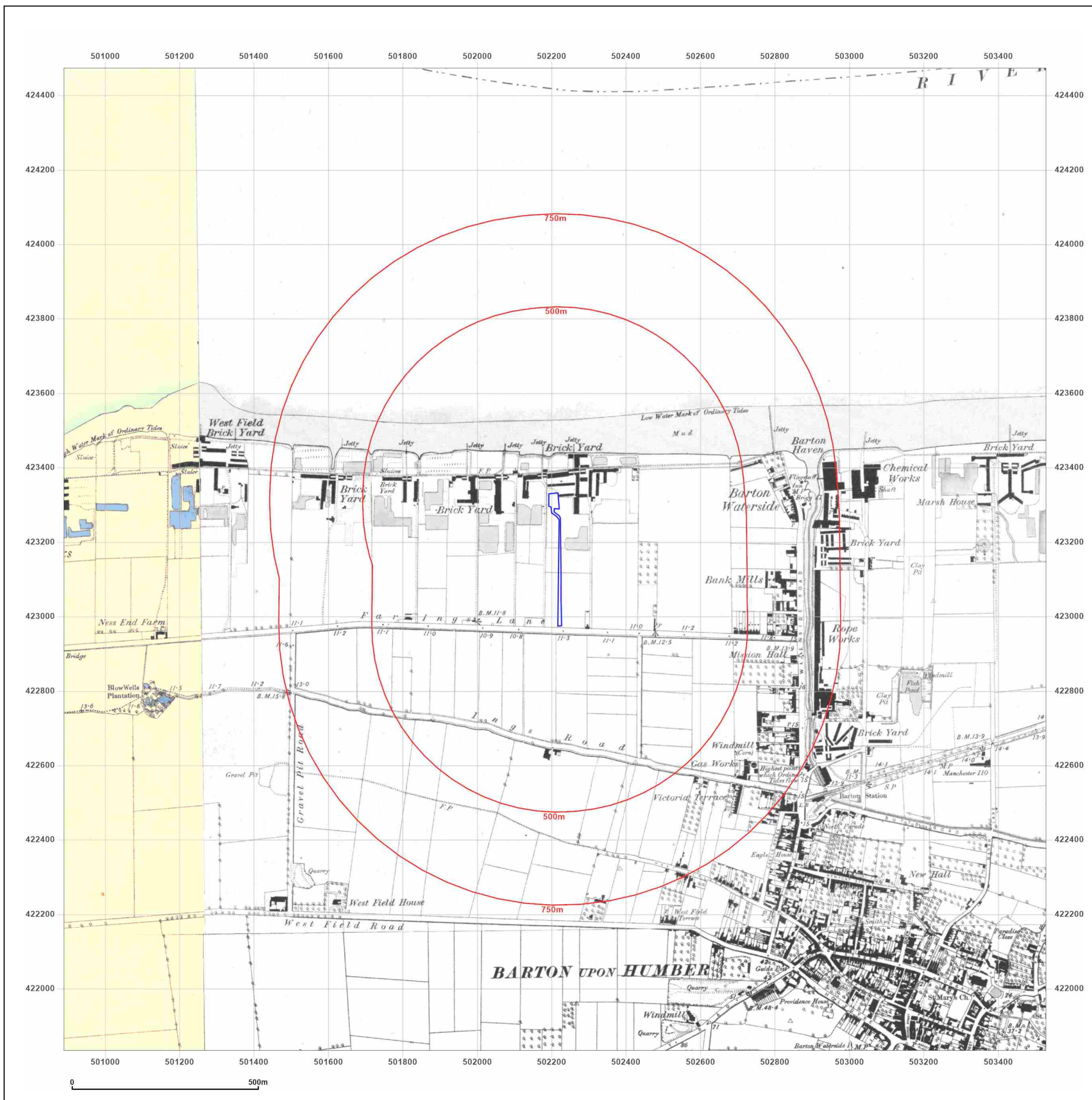


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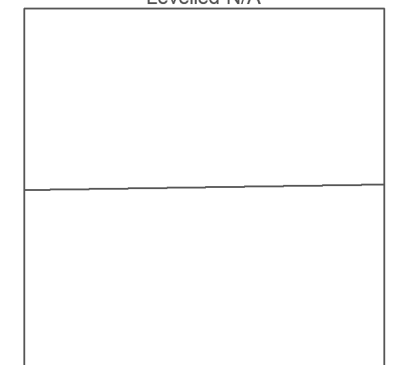
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Edition 1892  
Copyright N/A  
Levelled N/A

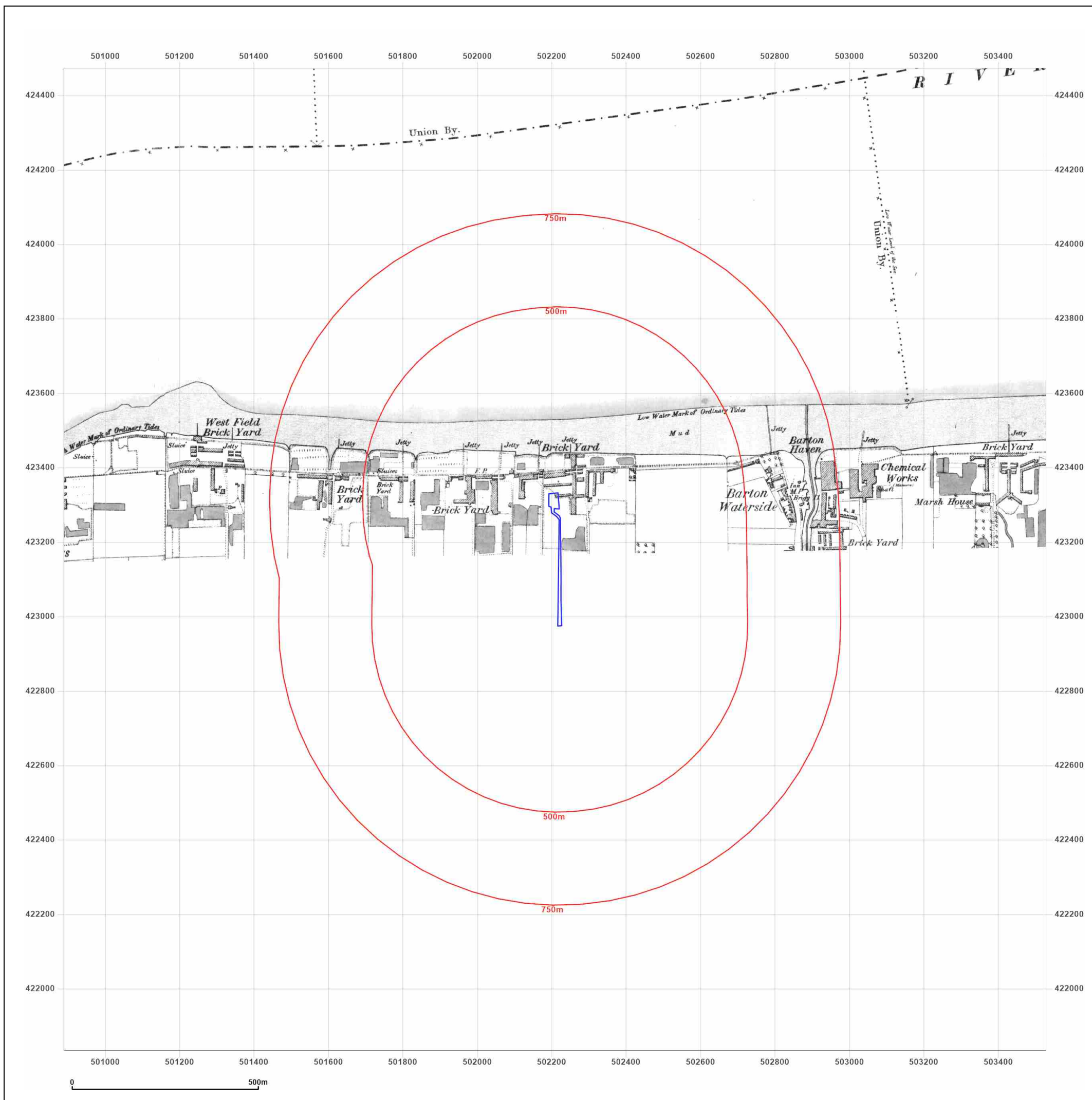


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5RF

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**Map date:** 1906

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Surveyed 1886 Revised 1906 Edition N/A Copyright N/A Levelled N/A	Surveyed 1886 Revised 1906 Edition N/A Copyright N/A Levelled N/A
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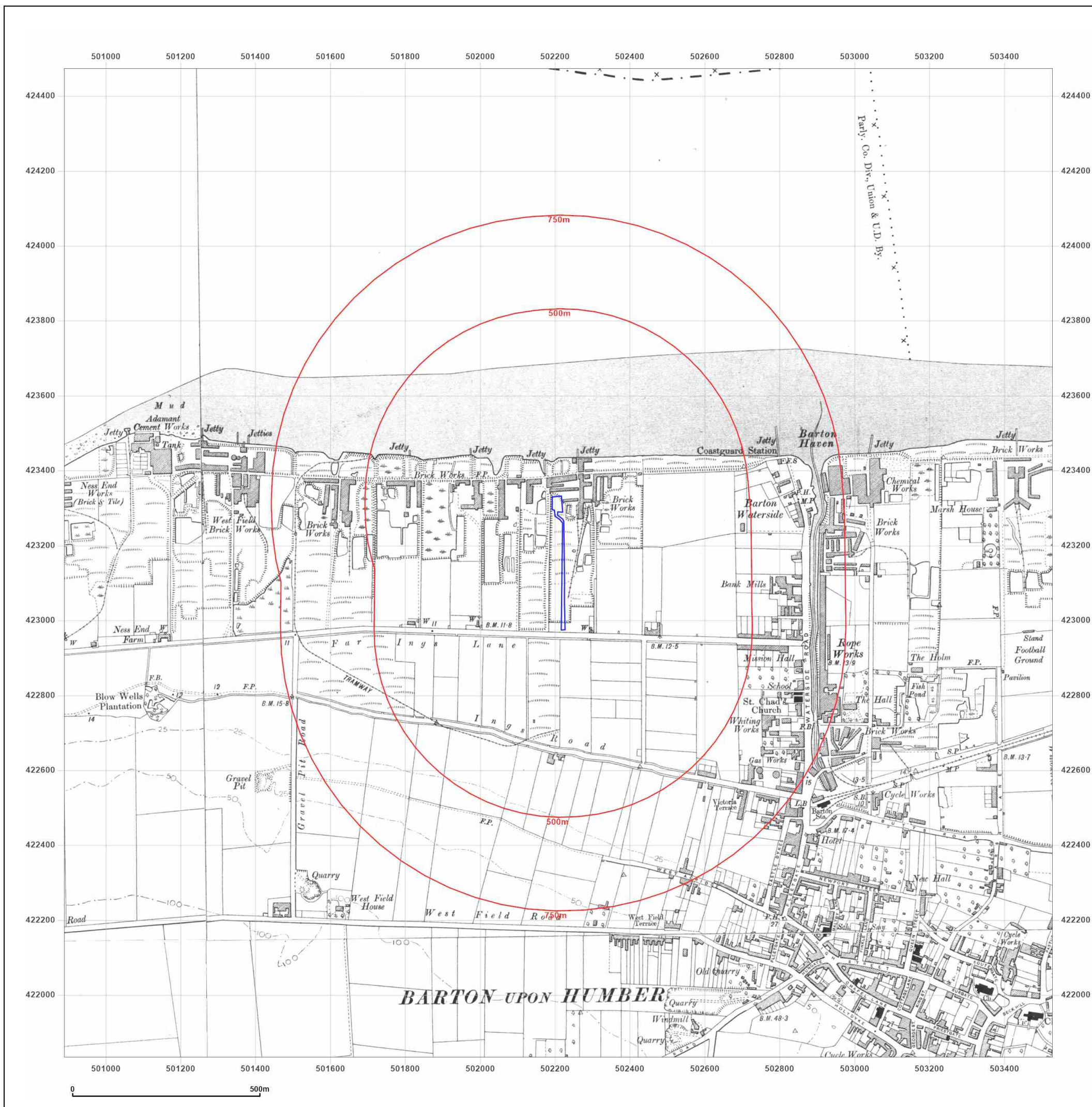


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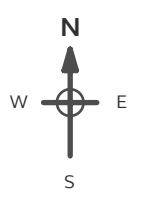
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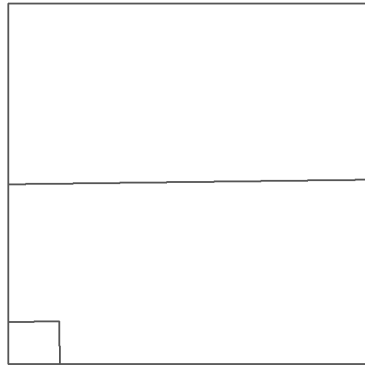
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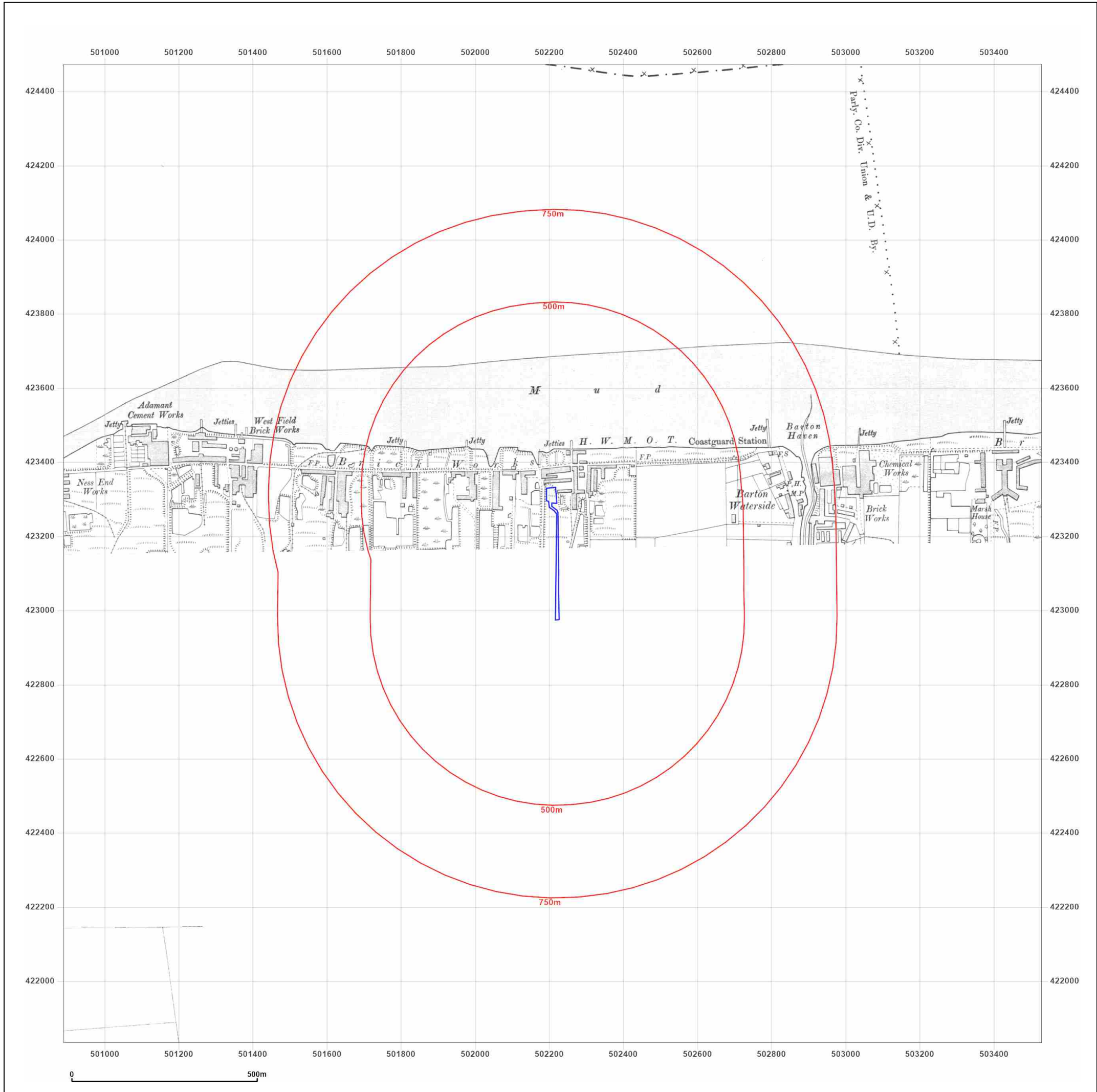
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Surveyed 1852  
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Edition N/A  
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Levelled N/A



Surveyed 1885  
Revised 1906  
Edition N/A  
Copyright N/A  
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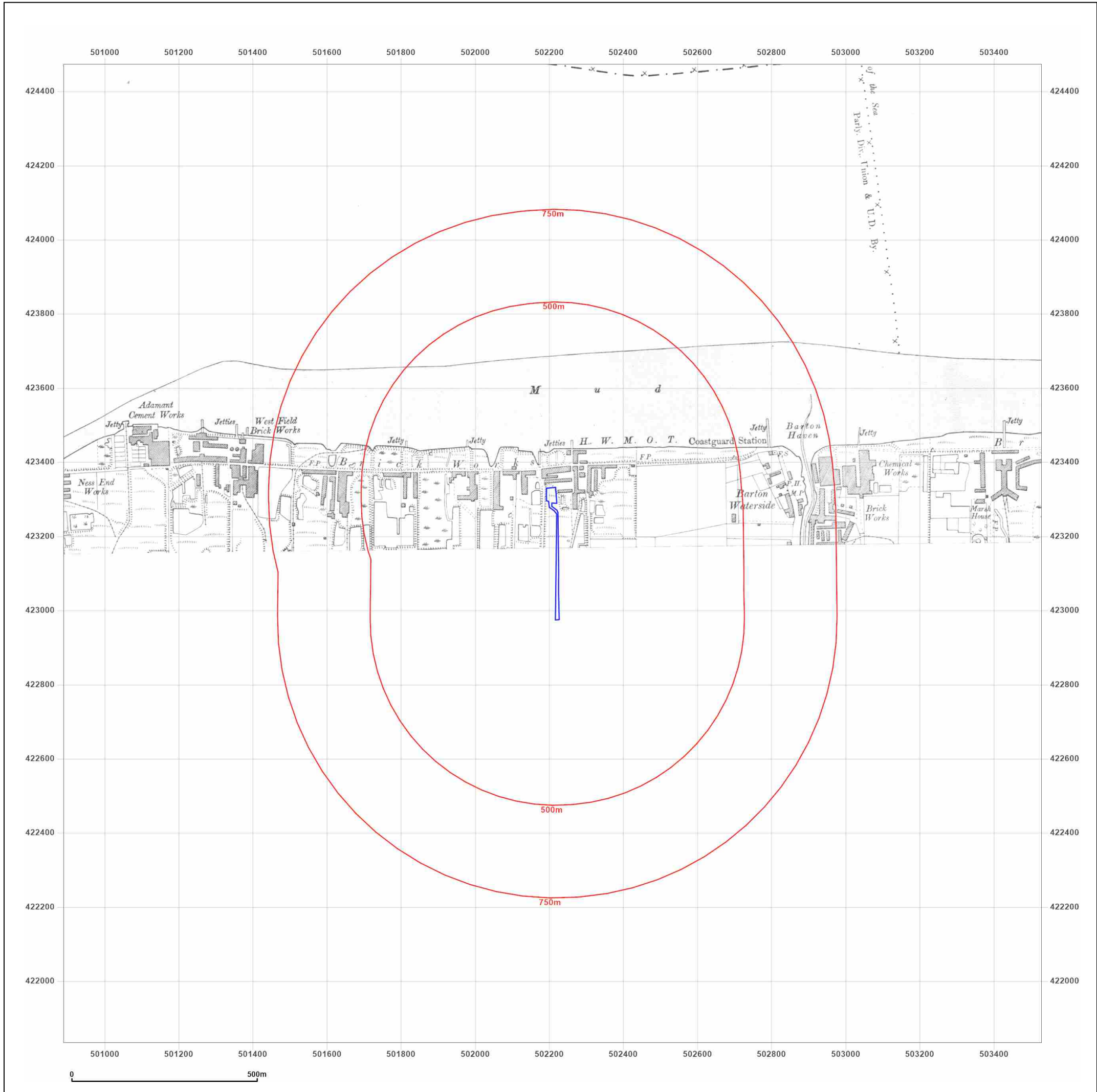
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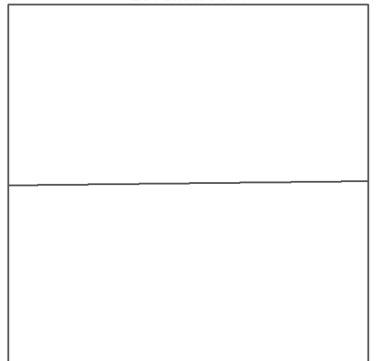
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 Edition N/A  
 Copyright N/A  
 Levelled N/A


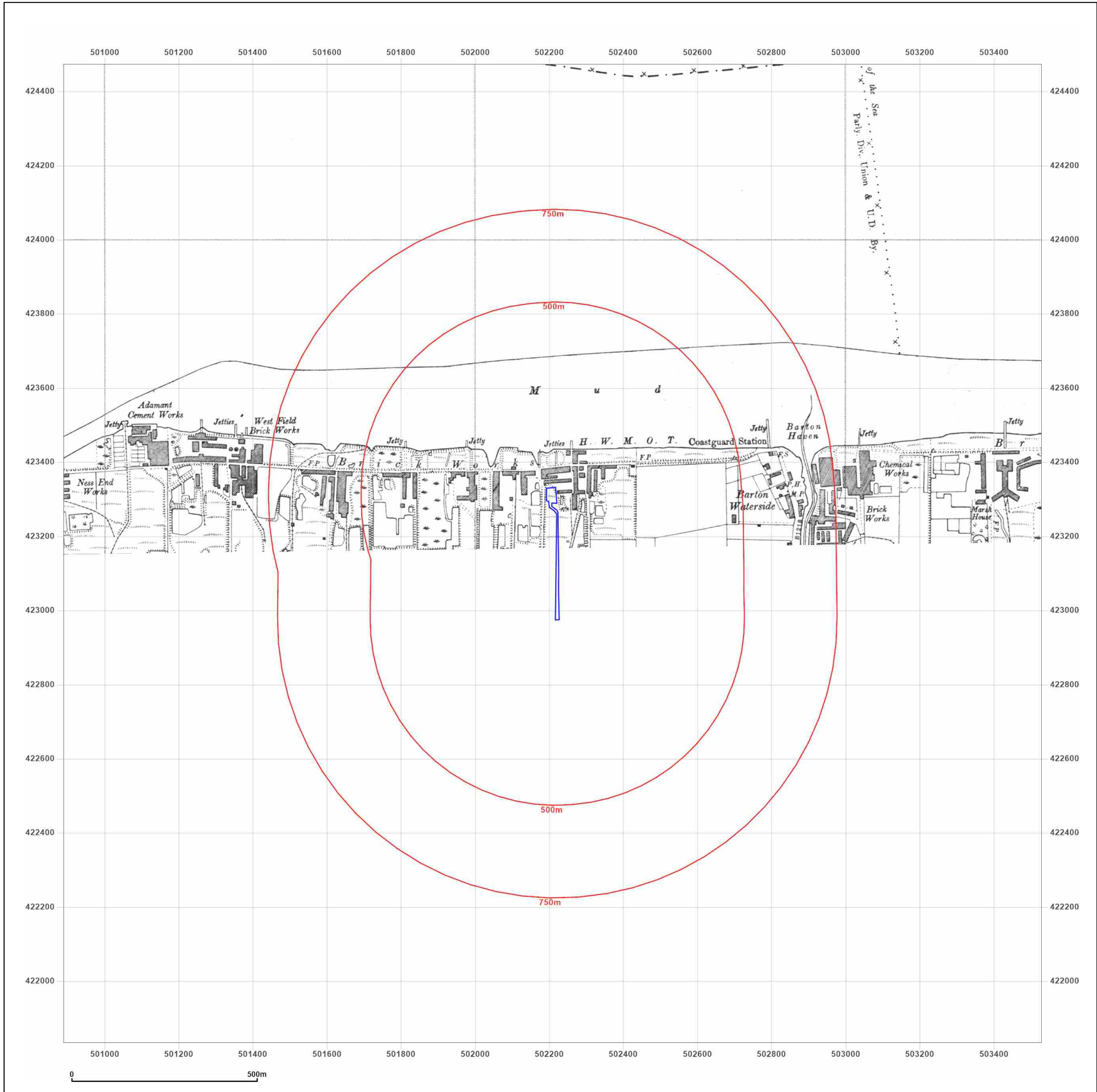


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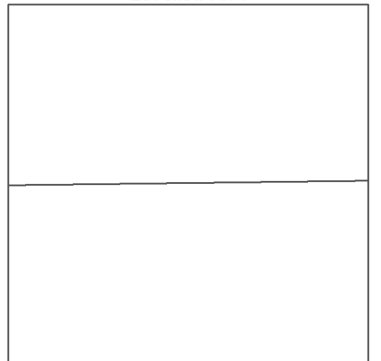
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 NORTH LINCOLNSHIRE, DN18  
 5RF

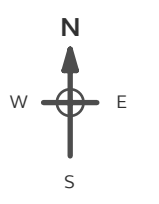
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**Report Ref:** GS-2DK-YY5-11R-H47  
**Grid Ref:** 502208, 423153

**Map Name:** County Series

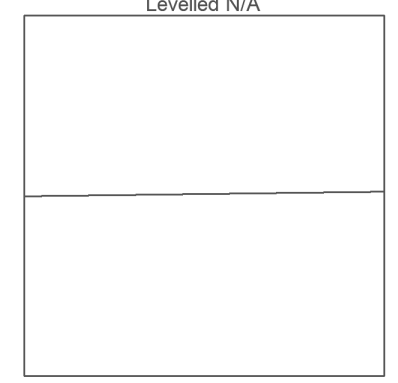
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**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1852  
 Revised 1926  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

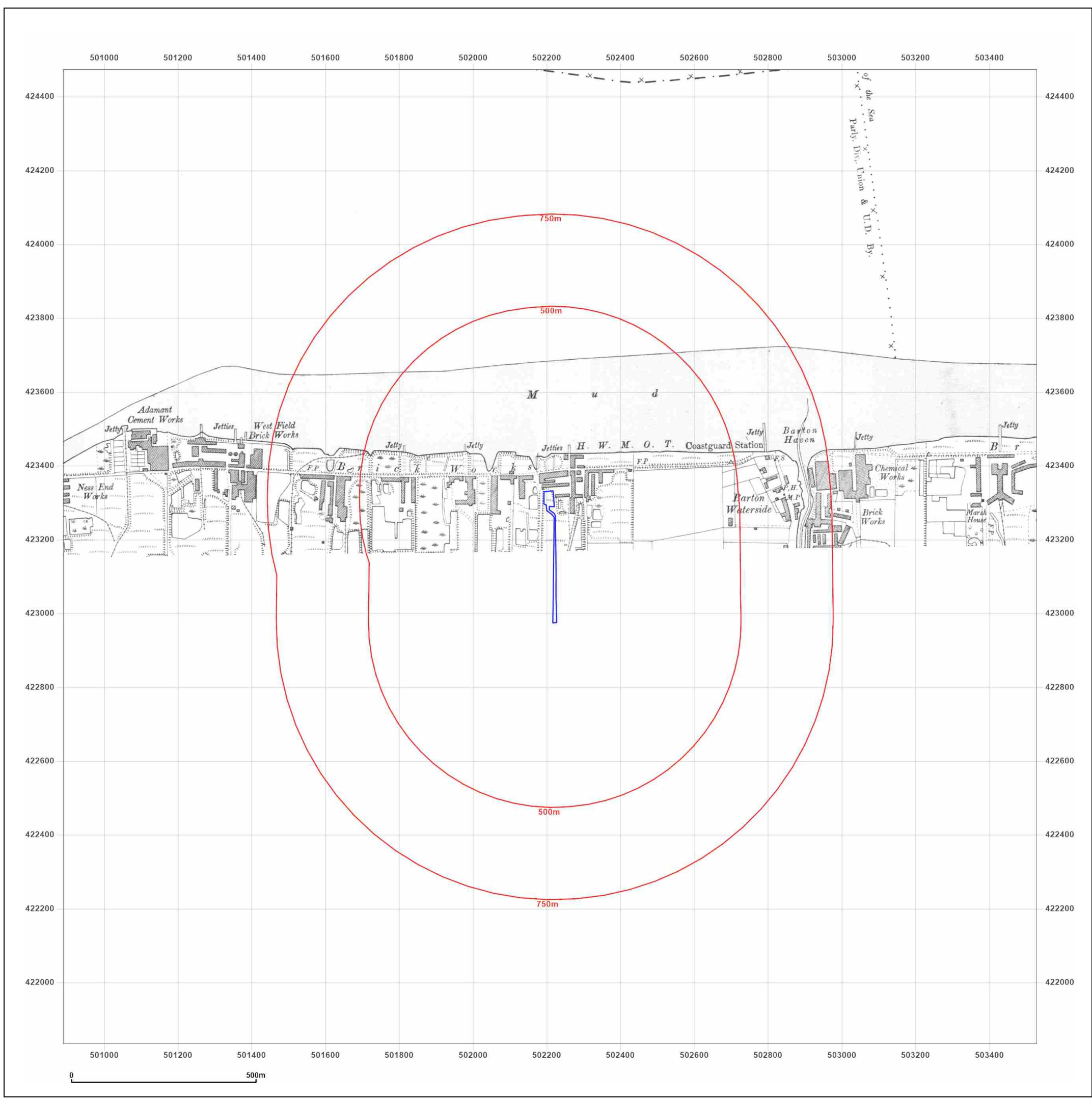


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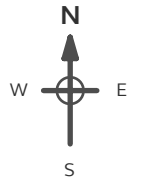
Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**  
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 BARTON UPON HUMBER,  
 NORTH LINCOLNSHIRE, DN18  
 5RF

**Client Ref:** G24355  
**Report Ref:** GS-2DK-YY5-11R-H47  
**Grid Ref:** 502208, 423153

**Map Name:** County Series  
**Map date:** 1930-1933  
**Scale:** 1:10,560  
**Printed at:** 1:10,560



Surveyed 1886  
 Revised 1930  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

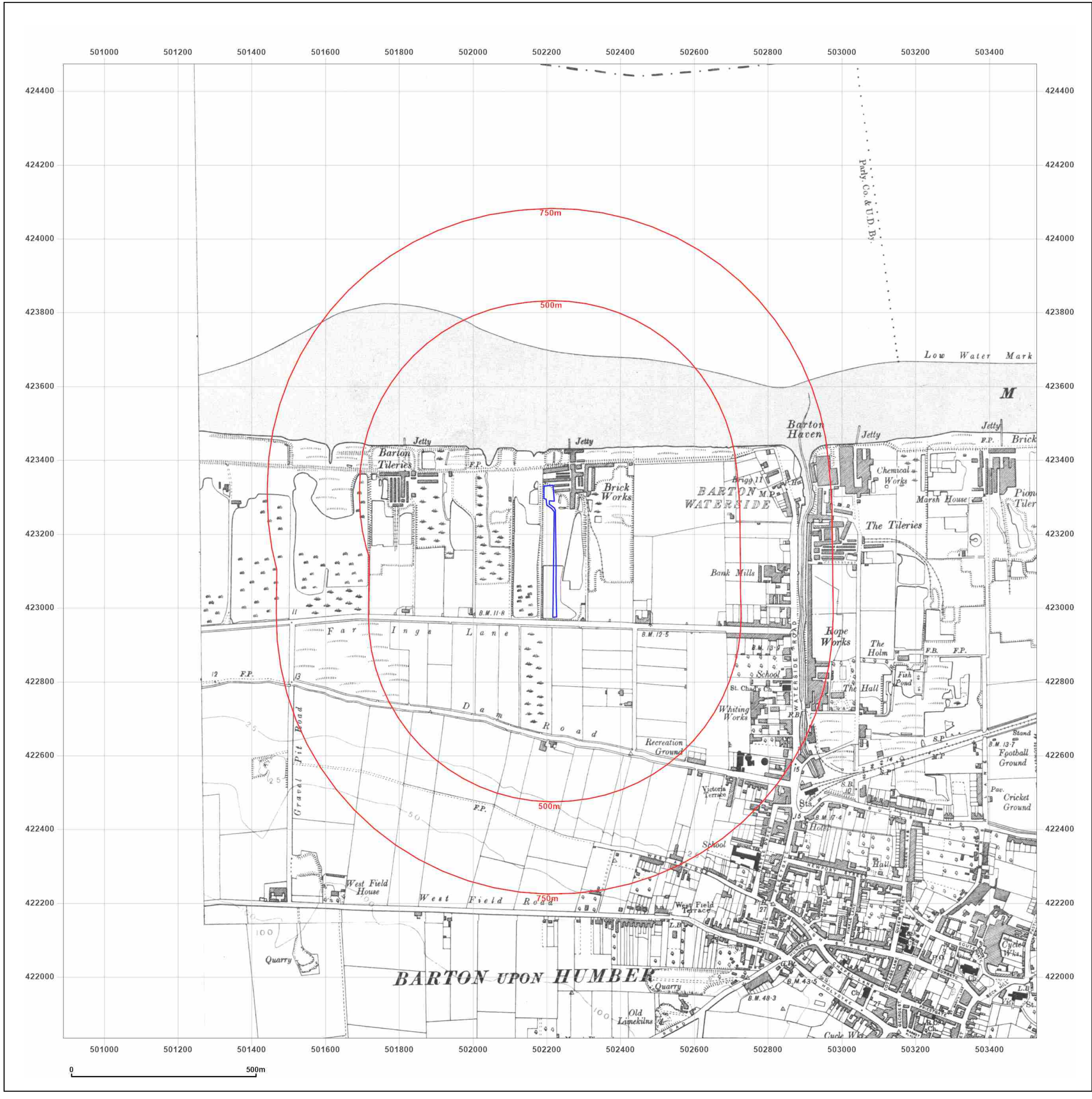
Surveyed 1885  
 Revised 1933  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

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BARTON UPON HUMBER,  
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5RF

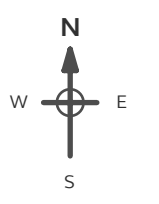
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**Grid Ref:** 502208, 423153

**Map Name:** County Series

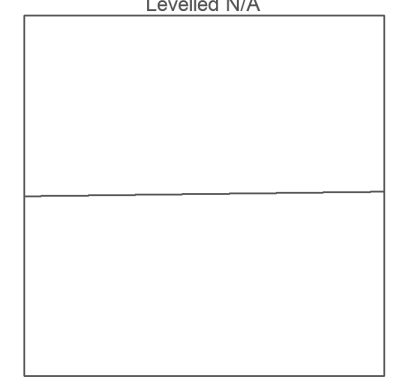
**Map date:** 1938

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1852  
Revised 1938  
Edition N/A  
Copyright N/A  
Levelled N/A

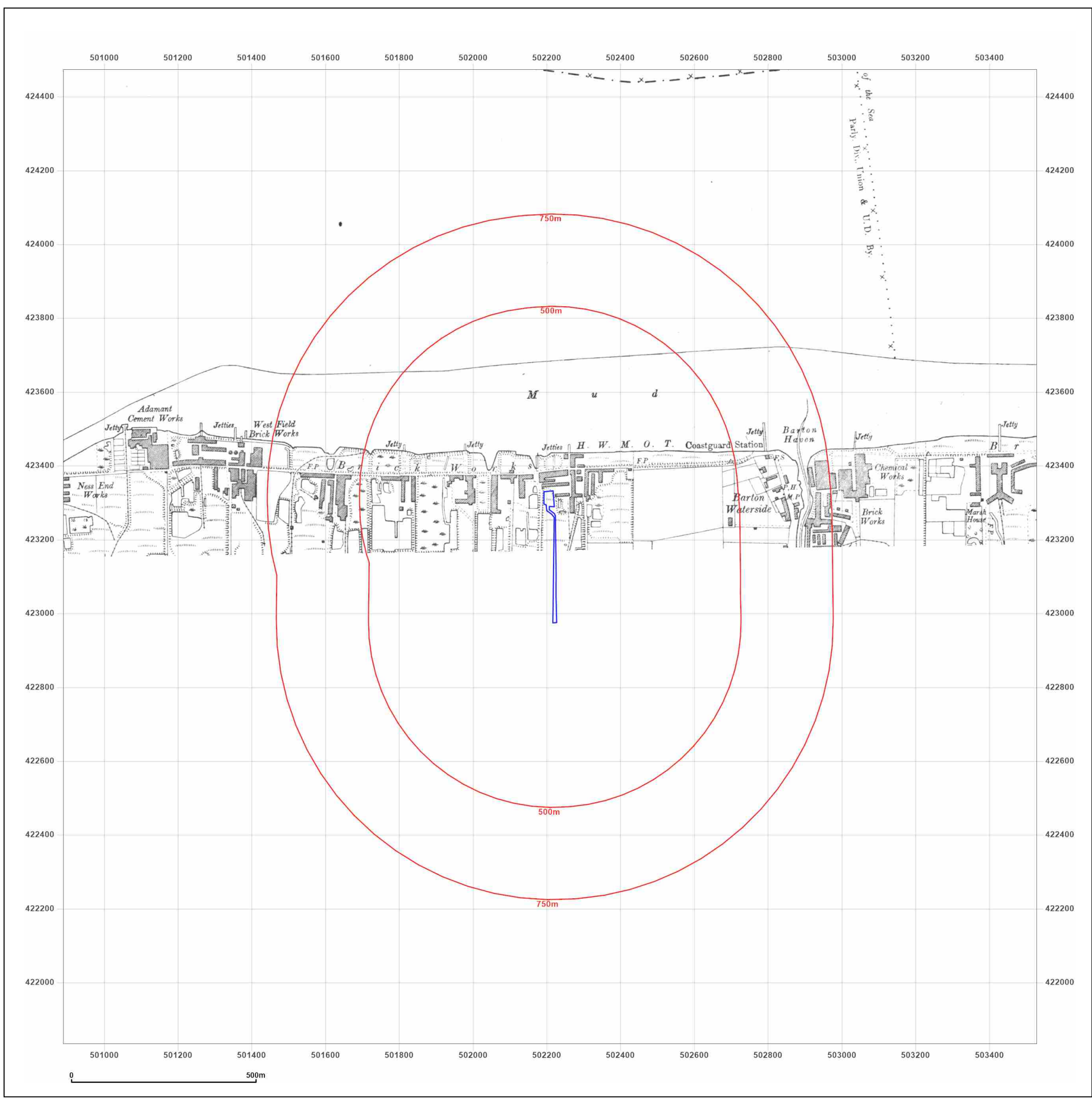


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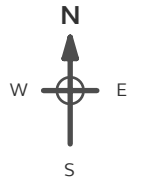
Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



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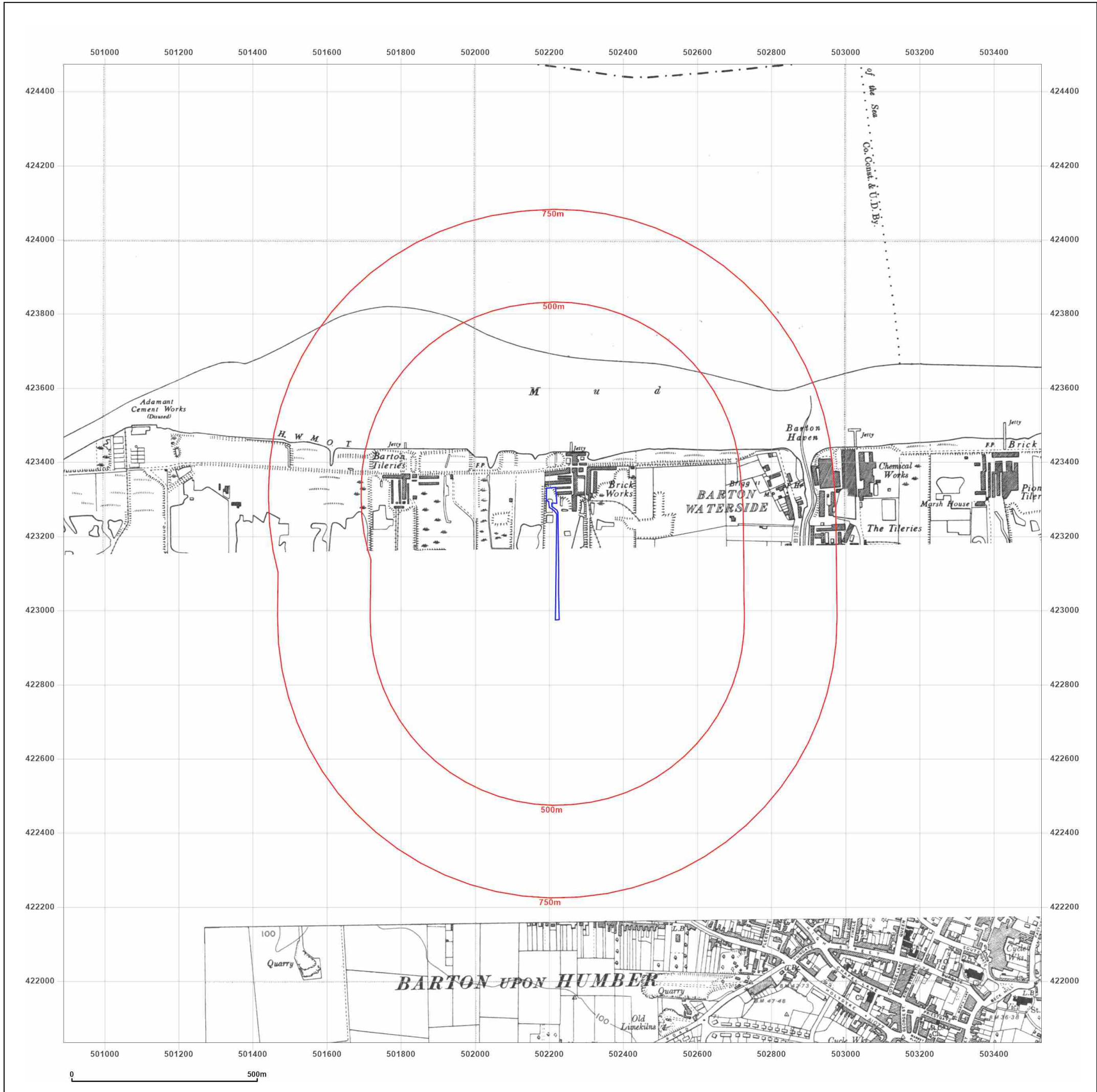
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**Grid Ref:** 502208, 423153

**Map Name:** County Series  
**Map date:** 1948-1949  
**Scale:** 1:10,560  
**Printed at:** 1:10,560



Surveyed 1852  
 Revised 1948  
 Edition 1948  
 Copyright N/A  
 Levelled N/A

Surveyed 1885  
 Revised 1949  
 Edition N/A  
 Copyright N/A  
 Levelled 1943



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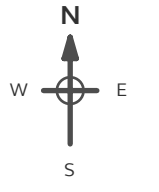
Production date: 06 December 2024

Map legend available at:  
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**Client Ref:** G24355  
**Report Ref:** GS-2DK-YY5-11R-H47  
**Grid Ref:** 502208, 423153

**Map Name:** County Series  
**Map date:** 1947-1950  
**Scale:** 1:10,560  
**Printed at:** 1:10,560



Surveyed 1886 Revised 1950 Edition 1950 Copyright N/A Levelled N/A	Surveyed 1886 Revised 1948 Edition N/A Copyright N/A Levelled N/A
Surveyed 1885 Revised 1947 Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised 1947 Edition N/A Copyright N/A Levelled N/A

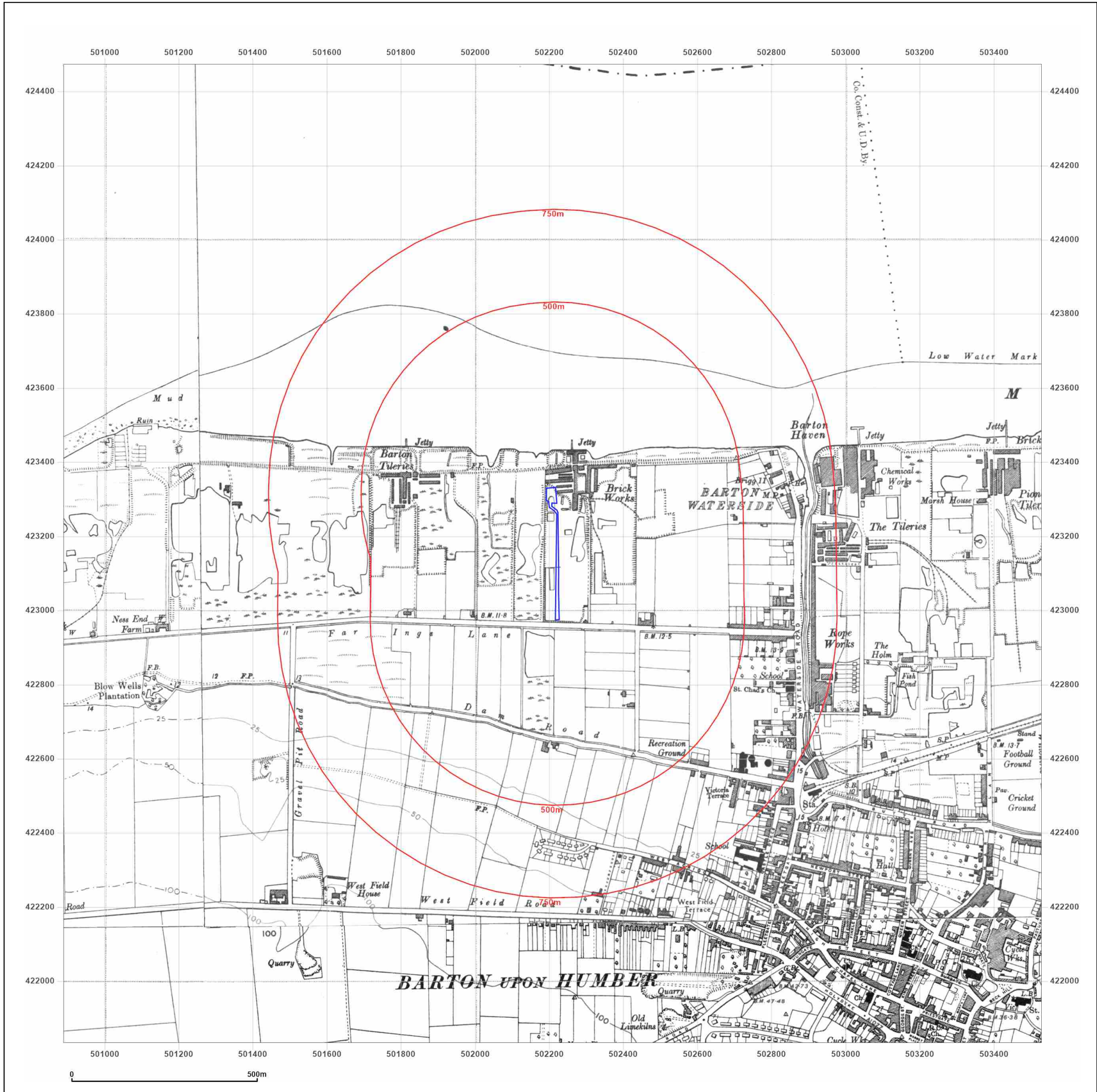
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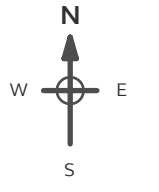


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BARTON UPON HUMBER,  
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**Client Ref:** G24355  
**Report Ref:** GS-2DK-YY5-11R-H47  
**Grid Ref:** 502208, 423153

**Map Name:** Provisional  
**Map date:** 1956  
**Scale:** 1:10,560  
**Printed at:** 1:10,560



Surveyed N/A  
Revised 1956  
Edition N/A  
Copyright N/A  
Levelled N/A

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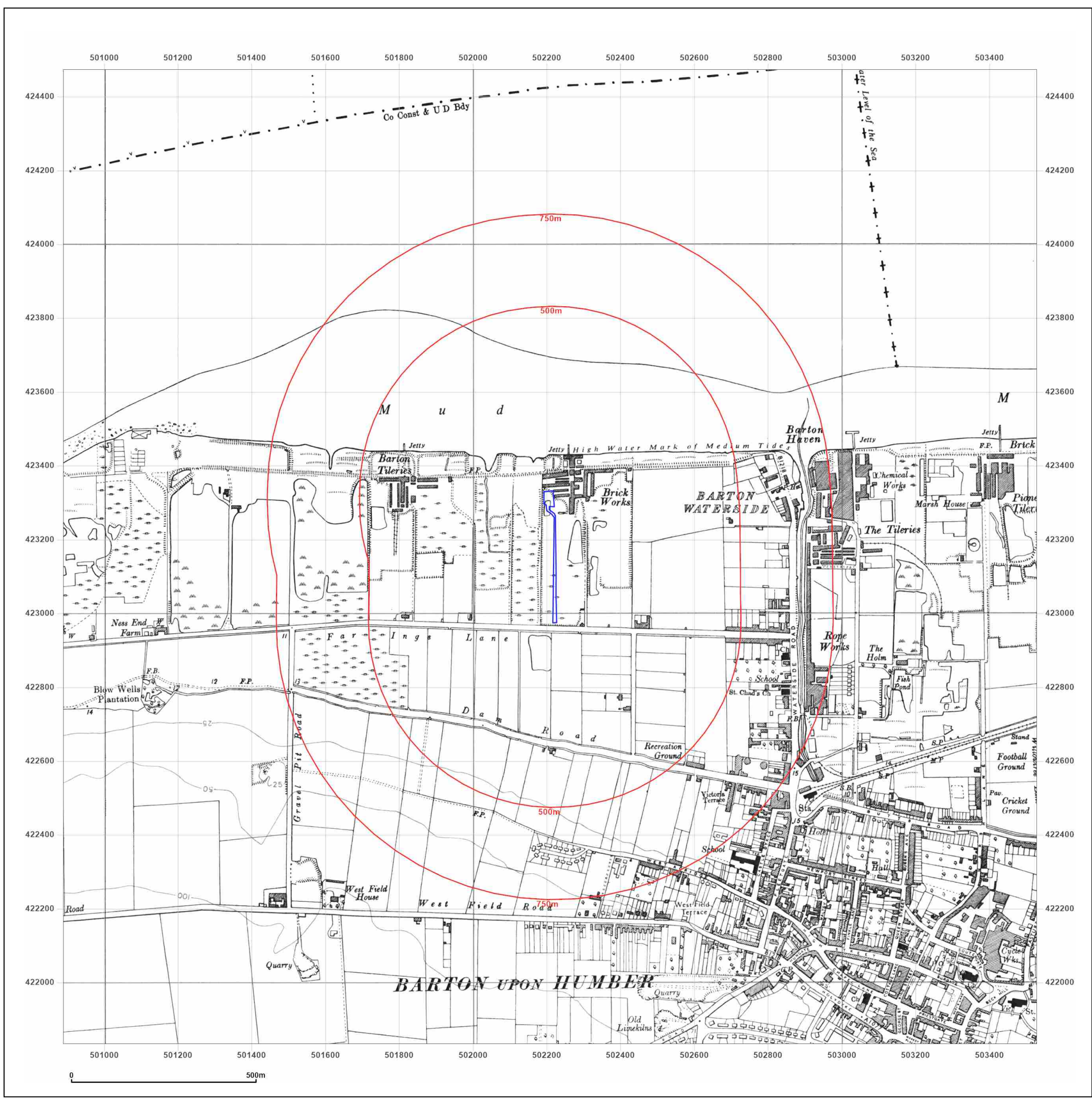


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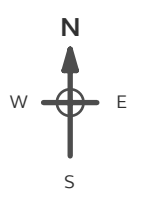
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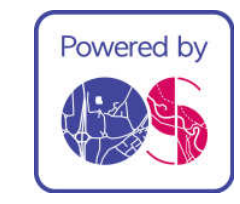
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 BARTON UPON HUMBER,  
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 5RF

**Client Ref:** G24355  
**Report Ref:** GS-2DK-YY5-11R-H47  
**Grid Ref:** 502208, 423153

**Map Name:** National Grid  
**Map date:** 1970  
**Scale:** 1:10,000  
**Printed at:** 1:10,000



Surveyed 1970  
 Revised 1970  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



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**Client Ref:** G24355  
**Report Ref:** GS-2DK-YY5-11R-H47  
**Grid Ref:** 502208, 423153

**Map Name:** National Grid

**Map date:** 1979

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1974  
Revised 1979  
Edition N/A  
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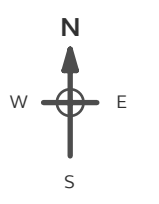
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 5RF

**Client Ref:** G24355  
**Report Ref:** GS-2DK-YY5-11R-H47  
**Grid Ref:** 502208, 423153

**Map Name:** National Grid  
**Map date:** 1993  
**Scale:** 1:10,000  
**Printed at:** 1:10,000



Surveyed 1974  
 Revised 1993  
 Edition N/A  
 Copyright N/A  
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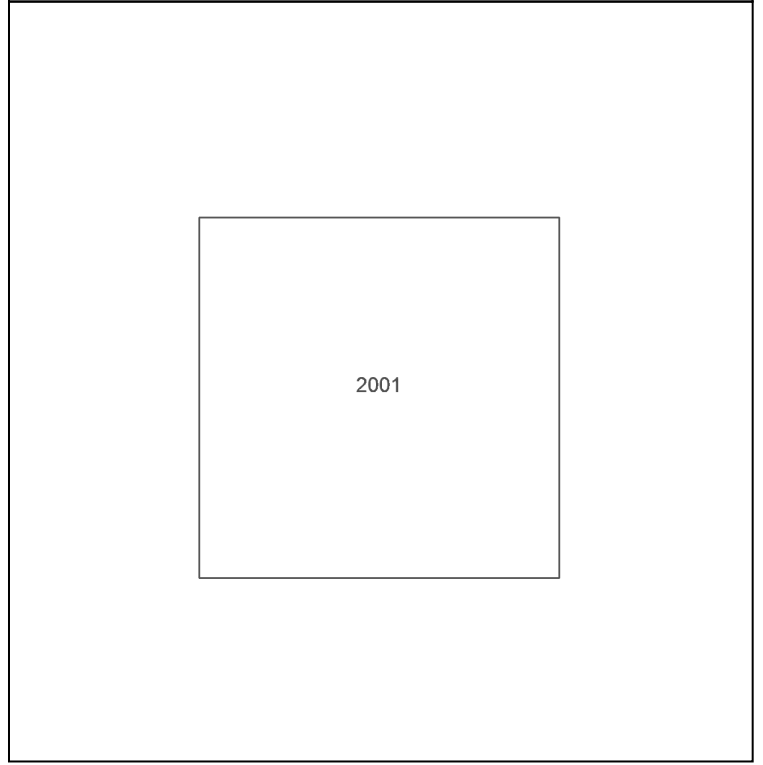
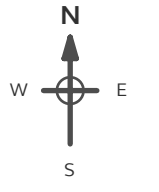
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**Client Ref:** G24355  
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**Grid Ref:** 502208, 423153

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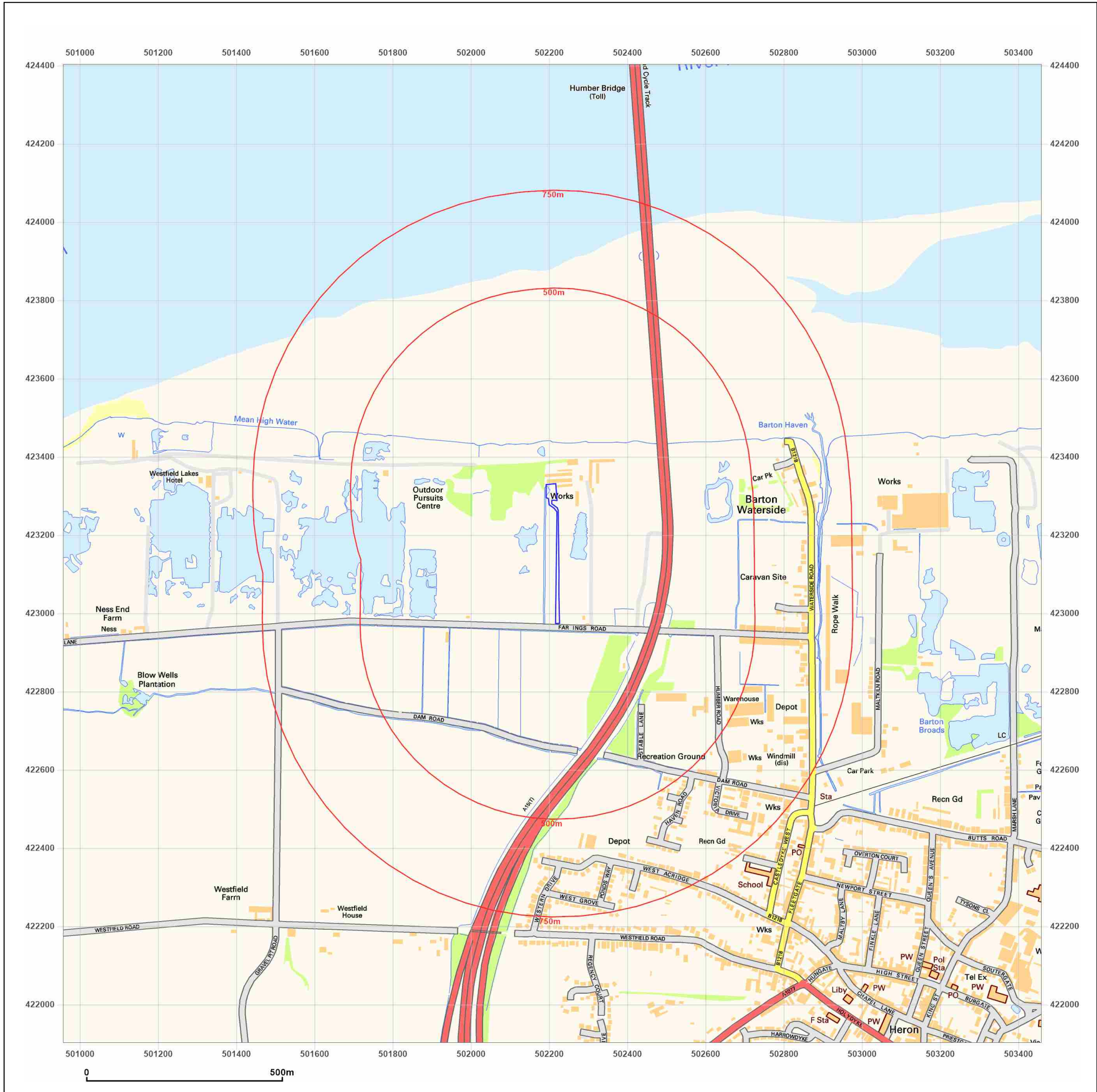
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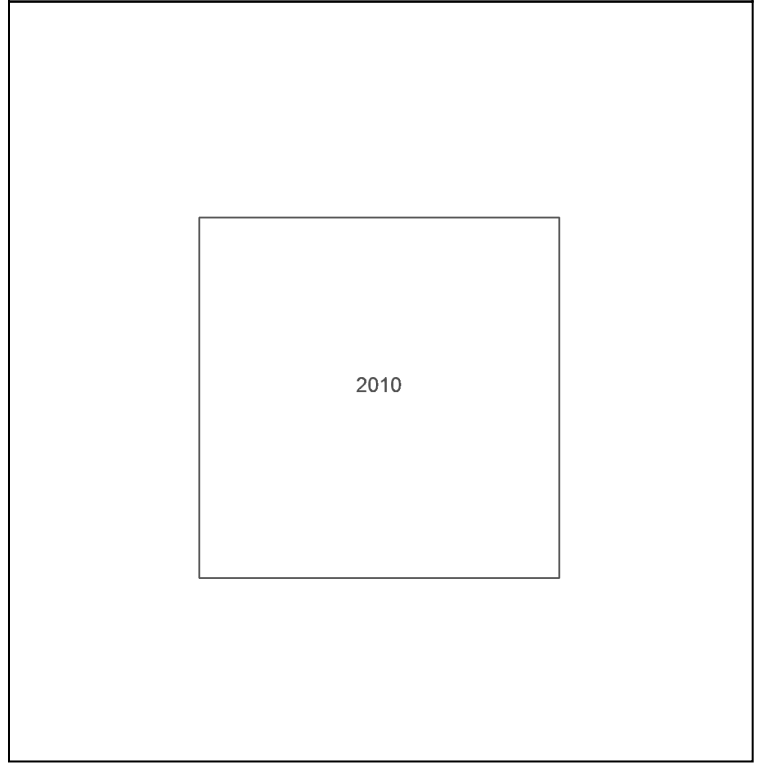
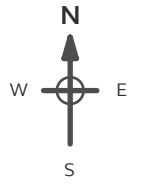
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**Client Ref:** G24355  
**Report Ref:** GS-2DK-YY5-11R-H47  
**Grid Ref:** 502208, 423153

**Map Name:** National Grid  
**Map date:** 2010  
**Scale:** 1:10,000  
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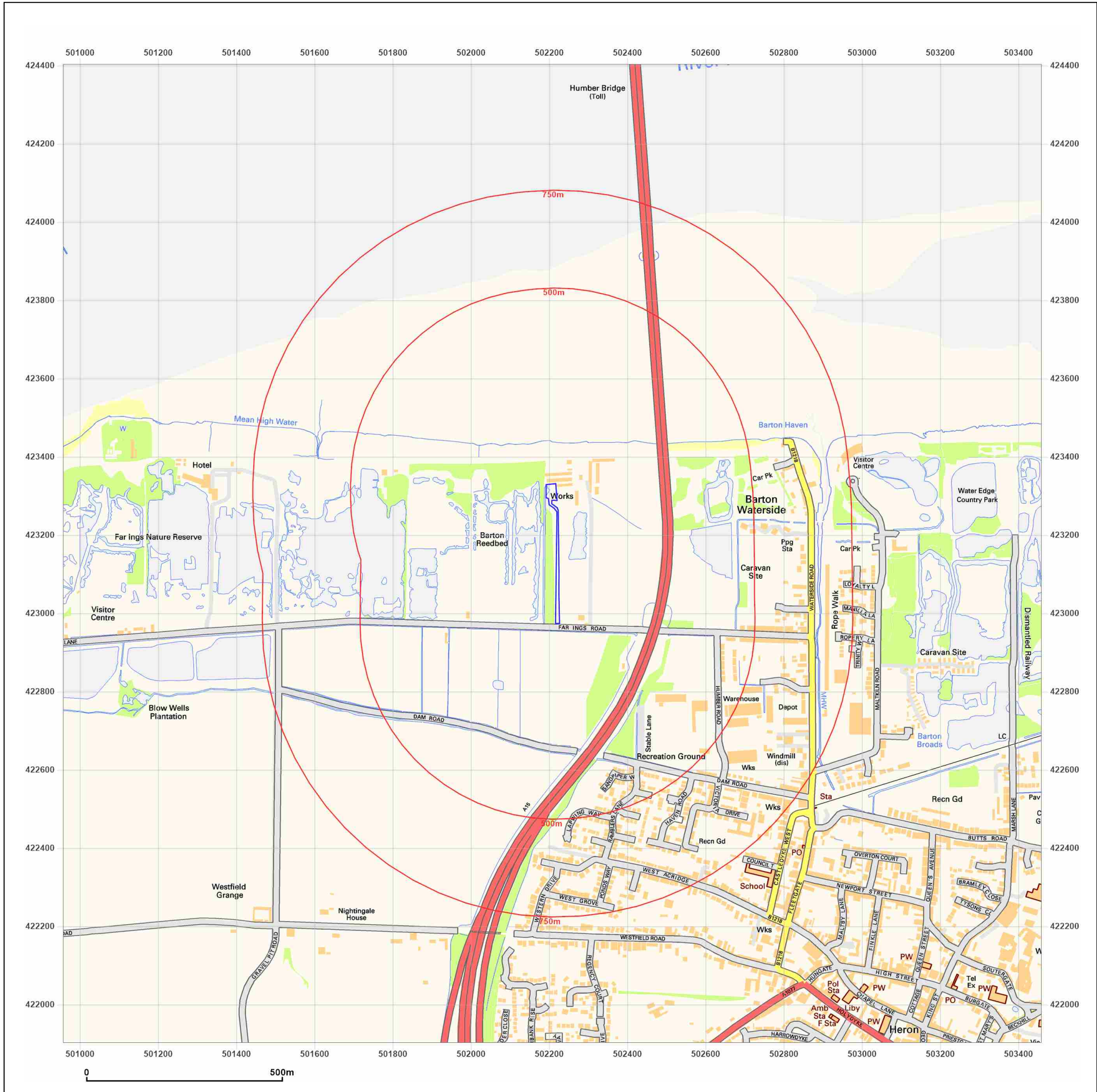
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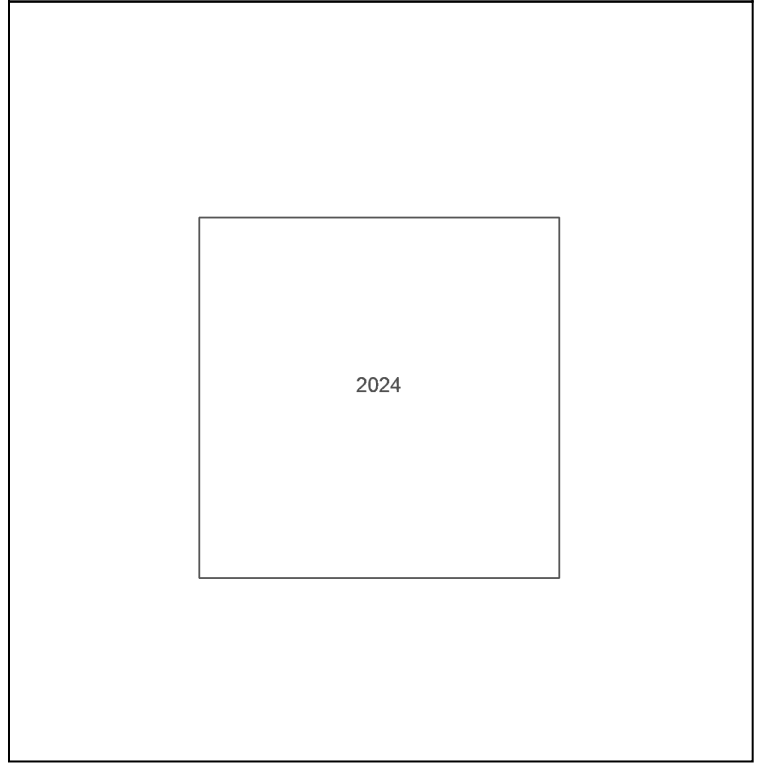
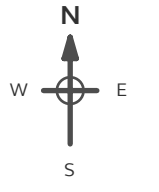
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**Client Ref:** G24355  
**Report Ref:** GS-2DK-YY5-11R-H47  
**Grid Ref:** 502208, 423153

**Map Name:** National Grid  
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**Printed at:** 1:10,000



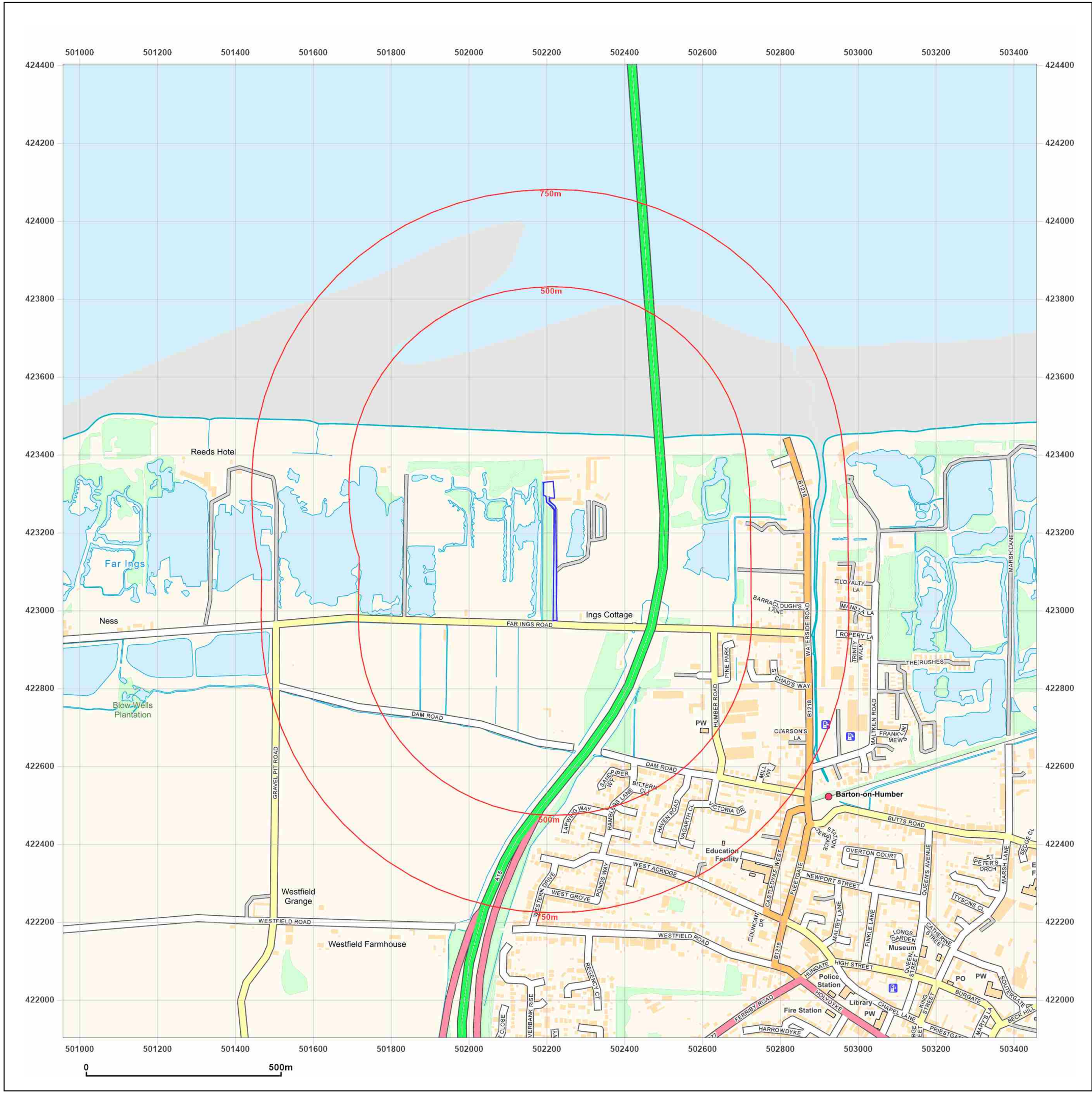
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## **APPENDIX 2**

### GroundSure Enviro + GeoInsight Report

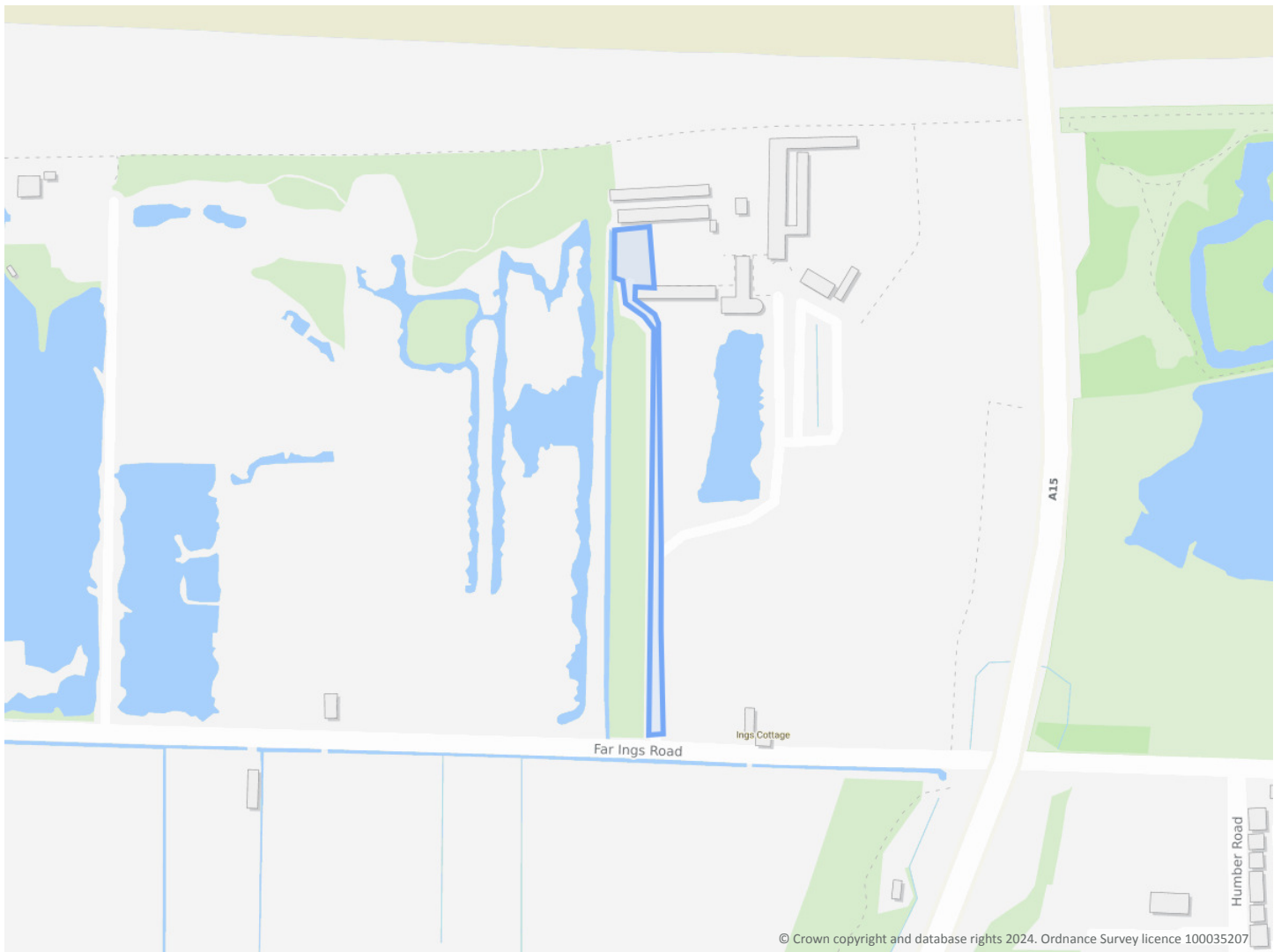
WORKSHOPS, HUMBER BRIDGE GARDEN CENTRE, BARTON UPON HUMBER, NORTH LINCOLNSHIRE, DN18 5RF

## Order Details

**Date:** 06/12/2024  
**Your ref:** G24355  
**Our Ref:** GS-M1L-L82-NE1-AZZ

## Site Details

**Location:** 502214 423180  
**Area:** 0.32 ha  
**Authority:** [North Lincolnshire Council](#) ↗



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#)

[Insight User Guide](#) ↗

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01273 257 755

## Summary of findings

Page	Section	<a href="#">Past land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">15 &gt;</a>	<a href="#">1.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	23	4	32	27	-
<a href="#">19 &gt;</a>	<a href="#">1.2 &gt;</a>	<a href="#">Historical tanks &gt;</a>	0	0	0	11	-
<a href="#">19 &gt;</a>	<a href="#">1.3 &gt;</a>	<a href="#">Historical energy features &gt;</a>	0	0	2	3	-
20	1.4	Historical petrol stations	0	0	0	0	-
20	1.5	Historical garages	0	0	0	0	-
21	1.6	Historical military land	0	0	0	0	-
Page	Section	<a href="#">Past land use - un-grouped &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">22 &gt;</a>	<a href="#">2.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	26	4	47	35	-
<a href="#">27 &gt;</a>	<a href="#">2.2 &gt;</a>	<a href="#">Historical tanks &gt;</a>	0	0	0	11	-
<a href="#">27 &gt;</a>	<a href="#">2.3 &gt;</a>	<a href="#">Historical energy features &gt;</a>	0	0	2	5	-
28	2.4	Historical petrol stations	0	0	0	0	-
28	2.5	Historical garages	0	0	0	0	-
Page	Section	<a href="#">Waste and landfill &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
29	3.1	Active or recent landfill	0	0	0	0	-
29	3.2	Historical landfill (BGS records)	0	0	0	0	-
30	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<a href="#">30 &gt;</a>	<a href="#">3.4 &gt;</a>	<a href="#">Historical landfill (EA/NRW records) &gt;</a>	0	0	0	1	-
30	3.5	Historical waste sites	0	0	0	0	-
30	3.6	Licensed waste sites	0	0	0	0	-
<a href="#">31 &gt;</a>	<a href="#">3.7 &gt;</a>	<a href="#">Waste exemptions &gt;</a>	0	0	0	7	-
Page	Section	<a href="#">Current industrial land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">32 &gt;</a>	<a href="#">4.1 &gt;</a>	<a href="#">Recent industrial land uses &gt;</a>	0	0	2	-	-
33	4.2	Current or recent petrol stations	0	0	0	0	-
33	4.3	Electricity cables	0	0	0	0	-
33	4.4	Gas pipelines	0	0	0	0	-
33	4.5	Sites determined as Contaminated Land	0	0	0	0	-



33	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
34	4.7	Regulated explosive sites	0	0	0	0	-
34	4.8	Hazardous substance storage/usage	0	0	0	0	-
34	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
34	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
<b>34 &gt;</b>	<b>4.11 &gt;</b>	<b><u>Licensed pollutant release (Part A(2)/B) &gt;</u></b>	0	0	2	1	-
35	4.12	Radioactive Substance Authorisations	0	0	0	0	-
<b>35 &gt;</b>	<b>4.13 &gt;</b>	<b><u>Licensed Discharges to controlled waters &gt;</u></b>	0	1	0	4	-
36	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
36	4.15	Pollutant release to public sewer	0	0	0	0	-
37	4.16	List 1 Dangerous Substances	0	0	0	0	-
37	4.17	List 2 Dangerous Substances	0	0	0	0	-
<b>37 &gt;</b>	<b>4.18 &gt;</b>	<b><u>Pollution Incidents (EA/NRW) &gt;</u></b>	0	0	0	5	-
38	4.19	Pollution inventory substances	0	0	0	0	-
38	4.20	Pollution inventory waste transfers	0	0	0	0	-
38	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<b><u>Hydrogeology &gt;</u></b>	On site	0-50m	50-250m	250-500m	500-2000m
<b>39 &gt;</b>	<b>5.1 &gt;</b>	<b><u>Superficial aquifer &gt;</u></b>	Identified (within 500m)				
<b>40 &gt;</b>	<b>5.2 &gt;</b>	<b><u>Bedrock aquifer &gt;</u></b>	Identified (within 500m)				
<b>41 &gt;</b>	<b>5.3 &gt;</b>	<b><u>Groundwater vulnerability &gt;</u></b>	Identified (within 50m)				
<b>42 &gt;</b>	<b>5.4 &gt;</b>	<b><u>Groundwater vulnerability- soluble rock risk &gt;</u></b>	Identified (within 0m)				
<b>42 &gt;</b>	<b>5.5 &gt;</b>	<b><u>Groundwater vulnerability- local information &gt;</u></b>	Identified (within 0m)				
<b>44 &gt;</b>	<b>5.6 &gt;</b>	<b><u>Groundwater abstractions &gt;</u></b>	0	0	0	0	1
<b>45 &gt;</b>	<b>5.7 &gt;</b>	<b><u>Surface water abstractions &gt;</u></b>	0	0	0	0	8
47	5.8	Potable abstractions	0	0	0	0	0
<b>47 &gt;</b>	<b>5.9 &gt;</b>	<b><u>Source Protection Zones &gt;</u></b>	1	0	0	0	-
47	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<b><u>Hydrology &gt;</u></b>	On site	0-50m	50-250m	250-500m	500-2000m
<b>48 &gt;</b>	<b>6.1 &gt;</b>	<b><u>Water Network (OS MasterMap) &gt;</u></b>	0	2	16	-	-

<a href="#">50</a> >	<a href="#">6.2</a> >	<a href="#">Surface water features</a> >	1	3	11	-	-
<a href="#">50</a> >	<a href="#">6.3</a> >	<a href="#">WFD Surface water body catchments</a> >	1	-	-	-	-
<a href="#">51</a> >	<a href="#">6.4</a> >	<a href="#">WFD Surface water bodies</a> >	0	0	1	-	-
<a href="#">51</a> >	<a href="#">6.5</a> >	<a href="#">WFD Groundwater bodies</a> >	1	-	-	-	-
Page	Section	<a href="#">River and coastal flooding</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">52</a> >	<a href="#">7.1</a> >	<a href="#">Risk of flooding from rivers and the sea</a> >	High (within 50m)				
<a href="#">53</a> >	<a href="#">7.2</a> >	<a href="#">Historical Flood Events</a> >	1	0	0	-	-
<a href="#">53</a> >	<a href="#">7.3</a> >	<a href="#">Flood Defences</a> >	0	0	3	-	-
54	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
54	7.5	Flood Storage Areas	0	0	0	-	-
<a href="#">55</a> >	<a href="#">7.6</a> >	<a href="#">Flood Zone 2</a> >	Identified (within 50m)				
<a href="#">56</a> >	<a href="#">7.7</a> >	<a href="#">Flood Zone 3</a> >	Identified (within 50m)				
Page	Section	<a href="#">Surface water flooding</a> >					
<a href="#">57</a> >	<a href="#">8.1</a> >	<a href="#">Surface water flooding</a> >	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	<a href="#">Groundwater flooding</a> >					
<a href="#">59</a> >	<a href="#">9.1</a> >	<a href="#">Groundwater flooding</a> >	High (within 50m)				
Page	Section	<a href="#">Environmental designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">60</a> >	<a href="#">10.1</a> >	<a href="#">Sites of Special Scientific Interest (SSSI)</a> >	0	1	0	0	2
<a href="#">61</a> >	<a href="#">10.2</a> >	<a href="#">Conserved wetland sites (Ramsar sites)</a> >	0	1	0	0	2
<a href="#">66</a> >	<a href="#">10.3</a> >	<a href="#">Special Areas of Conservation (SAC)</a> >	0	0	1	0	0
<a href="#">66</a> >	<a href="#">10.4</a> >	<a href="#">Special Protection Areas (SPA)</a> >	0	1	0	0	3
<a href="#">68</a> >	<a href="#">10.5</a> >	<a href="#">National Nature Reserves (NNR)</a> >	0	1	0	0	1
<a href="#">68</a> >	<a href="#">10.6</a> >	<a href="#">Local Nature Reserves (LNR)</a> >	0	0	0	1	2
69	10.7	Designated Ancient Woodland	0	0	0	0	0
69	10.8	Biosphere Reserves	0	0	0	0	0
69	10.9	Forest Parks	0	0	0	0	0
69	10.10	Marine Conservation Zones	0	0	0	0	0
70	10.11	Green Belt	0	0	0	0	0
70	10.12	Proposed Ramsar sites	0	0	0	0	0



70	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
70	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
70	10.15	Nitrate Sensitive Areas	0	0	0	0	0
<a href="#">71</a> >	<a href="#">10.16</a> >	<a href="#">Nitrate Vulnerable Zones</a> >	0	0	0	1	2
<a href="#">72</a> >	<a href="#">10.17</a> >	<a href="#">SSSI Impact Risk Zones</a> >	1	-	-	-	-
<a href="#">73</a> >	<a href="#">10.18</a> >	<a href="#">SSSI Units</a> >	0	1	2	3	25
Page	Section	<a href="#">Visual and cultural designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
122	11.1	World Heritage Sites	0	0	0	-	-
123	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
123	11.3	National Parks	0	0	0	-	-
<a href="#">123</a> >	<a href="#">11.4</a> >	<a href="#">Listed Buildings</a> >	0	0	5	-	-
124	11.5	Conservation Areas	0	0	0	-	-
124	11.6	Scheduled Ancient Monuments	0	0	0	-	-
124	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<a href="#">Agricultural designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">125</a> >	<a href="#">12.1</a> >	<a href="#">Agricultural Land Classification</a> >	Grade 2 (within 250m)				
126	12.2	Open Access Land	0	0	0	-	-
126	12.3	Tree Felling Licences	0	0	0	-	-
<a href="#">126</a> >	<a href="#">12.4</a> >	<a href="#">Environmental Stewardship Schemes</a> >	0	1	0	-	-
127	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<a href="#">Habitat designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">128</a> >	<a href="#">13.1</a> >	<a href="#">Priority Habitat Inventory</a> >	1	7	35	-	-
<a href="#">130</a> >	<a href="#">13.2</a> >	<a href="#">Habitat Networks</a> >	3	2	2	-	-
131	13.3	Open Mosaic Habitat	0	0	0	-	-
131	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<a href="#">Geology 1:10,000 scale</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">132</a> >	<a href="#">14.1</a> >	<a href="#">10k Availability</a> >	Identified (within 500m)				
<a href="#">133</a> >	<a href="#">14.2</a> >	<a href="#">Artificial and made ground (10k)</a> >	0	1	0	1	-
<a href="#">134</a> >	<a href="#">14.3</a> >	<a href="#">Superficial geology (10k)</a> >	1	0	1	1	-

135	14.4	Landslip (10k)	0	0	0	0	-
<a href="#">136</a> >	<a href="#">14.5</a> >	<a href="#">Bedrock geology (10k)</a> >	1	0	2	1	-
137	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	<a href="#">Geology 1:50,000 scale</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">138</a> >	<a href="#">15.1</a> >	<a href="#">50k Availability</a> >	Identified (within 500m)				
<a href="#">139</a> >	<a href="#">15.2</a> >	<a href="#">Artificial and made ground (50k)</a> >	0	0	1	1	-
140	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<a href="#">141</a> >	<a href="#">15.4</a> >	<a href="#">Superficial geology (50k)</a> >	2	0	0	1	-
<a href="#">142</a> >	<a href="#">15.5</a> >	<a href="#">Superficial permeability (50k)</a> >	Identified (within 50m)				
142	15.6	Landslip (50k)	0	0	0	0	-
142	15.7	Landslip permeability (50k)	None (within 50m)				
<a href="#">143</a> >	<a href="#">15.8</a> >	<a href="#">Bedrock geology (50k)</a> >	1	0	2	2	-
<a href="#">144</a> >	<a href="#">15.9</a> >	<a href="#">Bedrock permeability (50k)</a> >	Identified (within 50m)				
144	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	<a href="#">Boreholes</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">145</a> >	<a href="#">16.1</a> >	<a href="#">BGS Boreholes</a> >	0	0	7	-	-
Page	Section	<a href="#">Natural ground subsidence</a> >					
<a href="#">147</a> >	<a href="#">17.1</a> >	<a href="#">Shrink swell clays</a> >	Low (within 50m)				
<a href="#">148</a> >	<a href="#">17.2</a> >	<a href="#">Running sands</a> >	Moderate (within 50m)				
<a href="#">149</a> >	<a href="#">17.3</a> >	<a href="#">Compressible deposits</a> >	Moderate (within 50m)				
<a href="#">150</a> >	<a href="#">17.4</a> >	<a href="#">Collapsible deposits</a> >	Negligible (within 50m)				
<a href="#">151</a> >	<a href="#">17.5</a> >	<a href="#">Landslides</a> >	Very low (within 50m)				
<a href="#">152</a> >	<a href="#">17.6</a> >	<a href="#">Ground dissolution of soluble rocks</a> >	Negligible (within 50m)				
Page	Section	<a href="#">Mining and ground workings</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">154</a> >	<a href="#">18.1</a> >	<a href="#">BritPits</a> >	0	2	5	7	-
<a href="#">157</a> >	<a href="#">18.2</a> >	<a href="#">Surface ground workings</a> >	28	29	66	-	-
<a href="#">162</a> >	<a href="#">18.3</a> >	<a href="#">Underground workings</a> >	0	0	0	0	1
162	18.4	Underground mining extents	0	0	0	0	-
<a href="#">162</a> >	<a href="#">18.5</a> >	<a href="#">Historical Mineral Planning Areas</a> >	1	1	0	0	-



163	18.6	Non-coal mining	0	0	0	0	0
163	18.7	JPB mining areas	None (within 0m)				
163	18.8	The Coal Authority non-coal mining	0	0	0	0	-
163	18.9	Researched mining	0	0	0	0	-
164	18.10	Mining record office plans	0	0	0	0	-
164	18.11	BGS mine plans	0	0	0	0	-
164	18.12	Coal mining	None (within 0m)				
164	18.13	Brine areas	None (within 0m)				
164	18.14	Gypsum areas	None (within 0m)				
165	18.15	Tin mining	None (within 0m)				
165	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
166	19.1	Natural cavities	0	0	0	0	-
166	19.2	Mining cavities	0	0	0	0	0
166	19.3	Reported recent incidents	0	0	0	0	-
166	19.4	Historical incidents	0	0	0	0	-
167	19.5	National karst database	0	0	0	0	-
Page	Section	<a href="#">Radon &gt;</a>					
<a href="#">168 &gt;</a>	<a href="#">20.1 &gt;</a>	<a href="#">Radon &gt;</a>	Less than 1% (within 0m)				
Page	Section	<a href="#">Soil chemistry &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">170 &gt;</a>	<a href="#">21.1 &gt;</a>	<a href="#">BGS Estimated Background Soil Chemistry &gt;</a>	3	0	-	-	-
170	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
170	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	<a href="#">Railway infrastructure and projects &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
171	22.1	Underground railways (London)	0	0	0	-	-
171	22.2	Underground railways (Non-London)	0	0	0	-	-
172	22.3	Railway tunnels	0	0	0	-	-
<a href="#">172 &gt;</a>	<a href="#">22.4 &gt;</a>	<a href="#">Historical railway and tunnel features &gt;</a>	1	2	9	-	-
173	22.5	Royal Mail tunnels	0	0	0	-	-



173	22.6	Historical railways	0	0	0	-	-
173	22.7	Railways	0	0	0	-	-
173	22.8	Crossrail 2	0	0	0	0	-
173	22.9	HS2	0	0	0	0	-



## Recent aerial photograph



Capture Date: 11/04/2022

Site Area: 0.32ha



## Recent site history - 2019 aerial photograph



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Capture Date: 19/09/2019

Site Area: 0.32ha



## Recent site history - 2014 aerial photograph



Capture Date: 27/09/2014

Site Area: 0.32ha



## Recent site history - 2007 aerial photograph



Capture Date: 26/08/2007

Site Area: 0.32ha



## Recent site history - 1999 aerial photograph

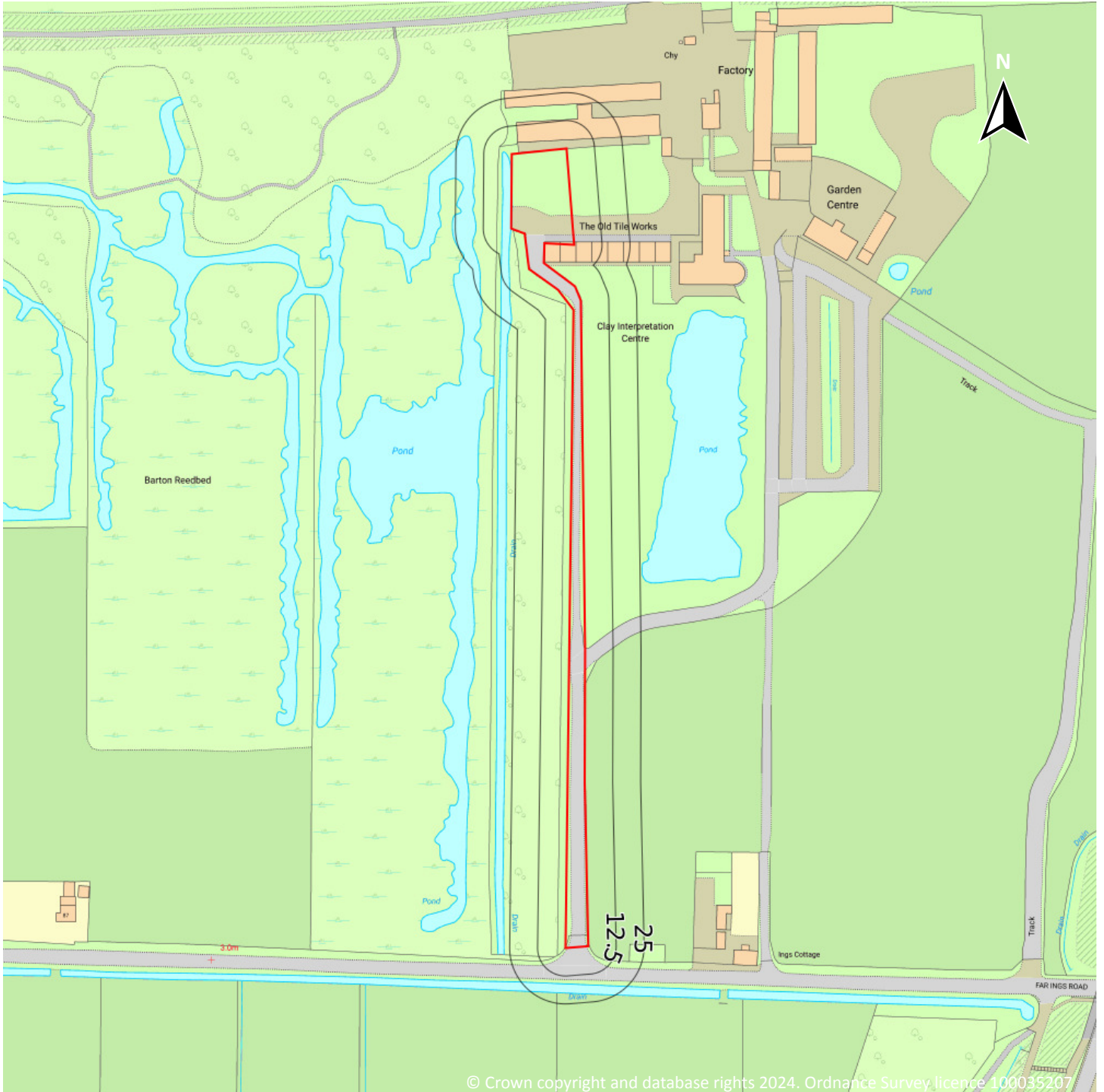


Capture Date: 28/04/1999

Site Area: 0.32ha



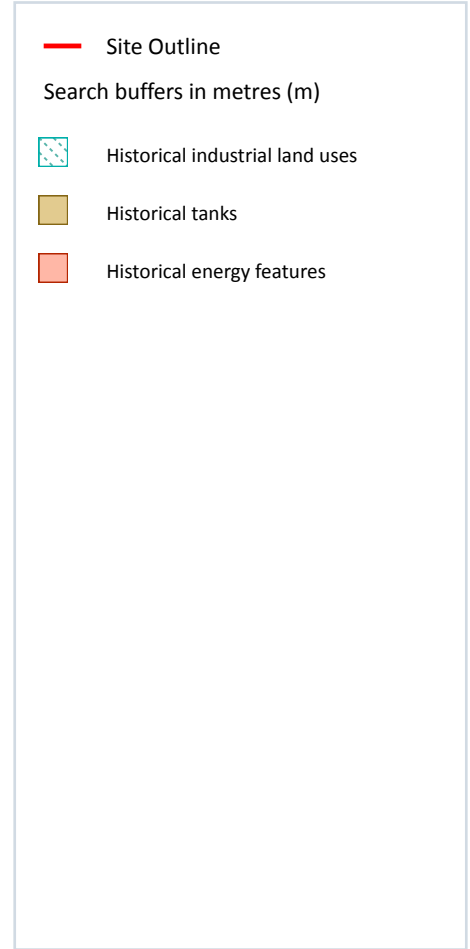
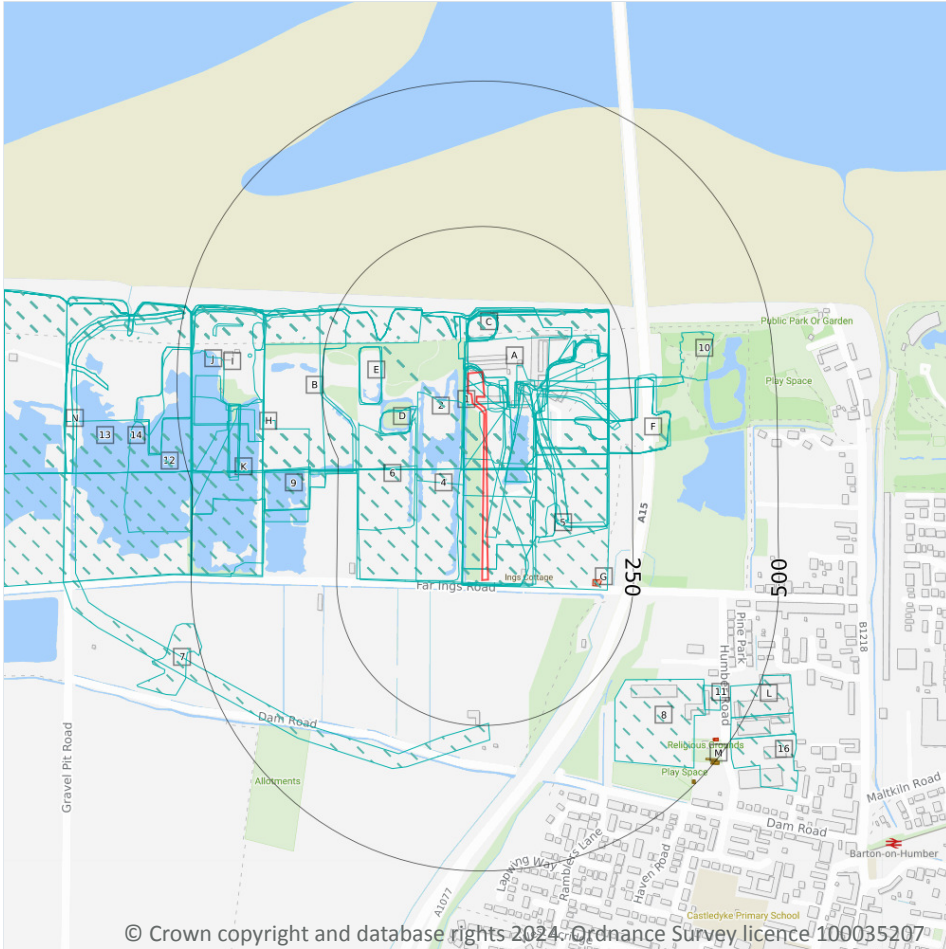
## OS MasterMap site plan



Site Area: 0.32ha



# 1 Past land use



## 1.1 Historical industrial land uses

**Records within 500m** **86**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
1	On site	Brick Yard	1886	2027098

ID	Location	Land use	Dates present	Group ID
2	On site	Brick Yard	1886	2031422
A	On site	Unspecified Works	1993	2020476
A	On site	Unspecified Pits	1886 - 1956	2021859
A	On site	Brick Works	1970 - 1979	2022637
A	On site	Brick Works	1930	2022980
A	On site	Unspecified Pit	1938	2023327
A	On site	Unspecified Pit	1948	2023958
A	On site	Brick Works	1906	2025584
A	On site	Unspecified Pit	1886	2025660
A	On site	Unspecified Pit	1930	2026952
A	On site	Railway Sidings	1906	2027776
A	On site	Brick Works	1948	2027803
A	On site	Brick Works	1956	2029599
A	On site	Unspecified Pit	1908	2030551
A	On site	Unspecified Pit	1906	2031557
A	On site	Unspecified Pit	1948	2033337
B	On site	Brick Works	1938	2021102
B	On site	Brick Works	1948	2021103
B	On site	Brick Works	1948	2021104
B	On site	Brick Works	1938	2021105
B	On site	Brick Works	1908	2021110
B	On site	Brick Works	1908	2021111
3	5m N	Brick Works	1906	2023413
4	18m N	Unspecified Pit	1906	2017164
A	25m E	Railway Sidings	1938 - 1948	2022268
A	25m E	Railway Sidings	1908	2028439
C	53m N	Unspecified Pit	1930	2029121
C	53m N	Unspecified Pit	1948 - 1956	2024022



ID	Location	Land use	Dates present	Group ID
C	56m N	Unspecified Pit	1906	2029850
A	56m NE	Railway Sidings	1930	2026676
A	57m NE	Railway Sidings	1948	2021685
A	58m NE	Mineral Railway Sidings	1970	2016495
C	59m N	Unspecified Pit	1938	2023014
C	59m N	Unspecified Pit	1908	2025009
A	83m NE	Unspecified Pit	1886	2027894
A	85m NE	Unspecified Pit	1908	2022568
A	85m NE	Unspecified Pit	1938	2026918
A	85m NE	Unspecified Pit	1906	2022632
5	87m SE	Unspecified Heap	1930	2021541
D	92m NW	Unspecified Heap	1948 - 1956	2021971
D	96m NW	Unspecified Heap	1930	2021419
A	97m NE	Unspecified Pit	1948	2025377
6	100m NW	Unspecified Pit	1948 - 1956	2030947
D	103m NW	Unspecified Heap	1948	2028117
A	106m NE	Unspecified Pit	1948	2023349
A	112m NE	Unspecified Pit	1930	2032707
A	132m NE	Unspecified Pit	1886	2023945
A	134m NE	Unspecified Ground Workings	1886	2019856
E	148m NW	Unspecified Pit	1906	2027539
E	149m NW	Unspecified Pit	1938	2028998
E	149m NW	Unspecified Pit	1908	2031874
A	151m NE	Unspecified Heap	1930	2022954
F	153m NE	Unspecified Ground Workings	1948	2027322
H	202m W	Tileries	1948 - 1956	2026741
H	207m W	Tileries	1948	2031443
F	210m E	Unspecified Pit	1948	2030931



ID	Location	Land use	Dates present	Group ID
H	215m NW	Unspecified Pits	1956	2027692
7	247m S	Tramway Sidings	1906	2017040
8	292m SE	Unspecified Works	1979	2020475
9	298m W	Unspecified Pit	1948	2017161
10	338m NE	Clay Pit	1970	2019281
I	350m W	Brick Yard	1886	2030748
J	351m NW	Brick Yard	1886	2026232
I	352m NW	Tileries	1930	2022504
K	353m W	Unspecified Pit	1948	2028731
I	356m NW	Unspecified Pit	1948	2025159
J	368m W	Unspecified Pit	1886	2024076
I	373m NW	Chimney	1970 - 1979	2027129
K	391m W	Railway Sidings	1930	2026939
K	392m W	Railway Sidings	1948 - 1956	2027601
K	394m W	Railway Sidings	1948	2030949
I	397m NW	Unspecified Ground Workings	1886	2019858
J	409m W	Unspecified Pit	1948	2029400
11	411m SE	Unspecified Depot	1979 - 1993	2023466
L	455m SE	Unspecified Warehouse	1979 - 1993	2030163
12	475m W	Unspecified Pits	1906	2022198
13	475m W	Brick Works	1906	2032491
J	475m W	Refuse Heap	1886	2016529
14	476m W	Brick Yard	1886	2028817
J	476m W	Unspecified Pit	1886	2017163
L	481m SE	Unspecified Works	1979 - 1993	2026293
15	495m SW	Refuse Heap	1970 - 1979	2033048
16	499m SE	Unspecified Works	1979	2033113
N	499m NW	Railway Sidings	1908	2026205



ID	Location	Land use	Dates present	Group ID
N	499m NW	Railway Sidings	1938	2031559

This data is sourced from Ordnance Survey / Groundsure.

## 1.2 Historical tanks

<b>Records within 500m</b>	<b>11</b>
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
M	484m SE	Tanks	1996	348307
M	492m SE	Unspecified Tank	1979	350439
M	492m SE	Unspecified Tank	1987	351605
M	493m SE	Unspecified Tank	1996	351574
M	494m SE	Unspecified Tank	1976	351517
M	494m SE	Unspecified Tank	1983	352242
M	495m SE	Tanks	1996	353606
M	495m SE	Tanks	1987	351050
M	495m SE	Tanks	1979	352142
M	496m SE	Tanks	1983	351753
M	496m SE	Tanks	1976	352963

This data is sourced from Ordnance Survey / Groundsure.

## 1.3 Historical energy features

<b>Records within 500m</b>	<b>5</b>
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or



succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
G	180m SE	Electricity Transformer	1979	241312
G	183m SE	Electricity Transformer	1976	241625
M	474m SE	Electricity Substation	1979	241095
M	474m SE	Electricity Substation	1983 - 1996	242573
M	476m SE	Electricity Substation	1976	241487

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.5 Historical garages

**Records within 500m**

**0**

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.6 Historical military land

Records within 500m

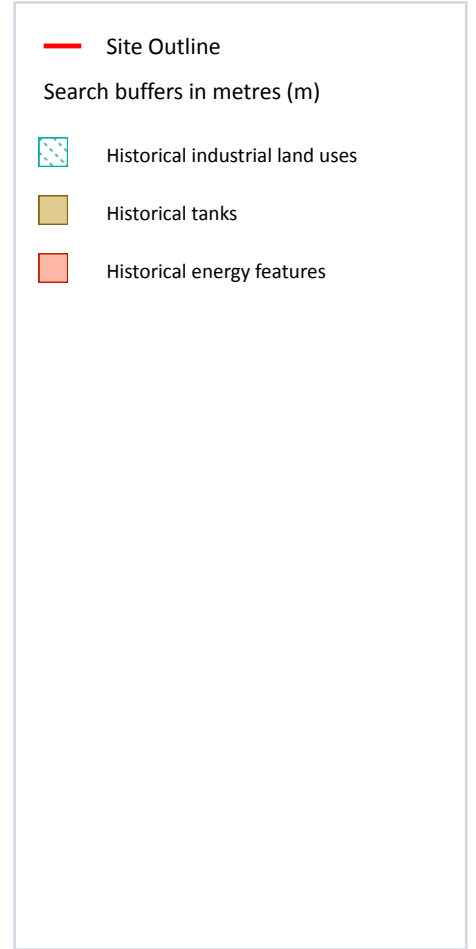
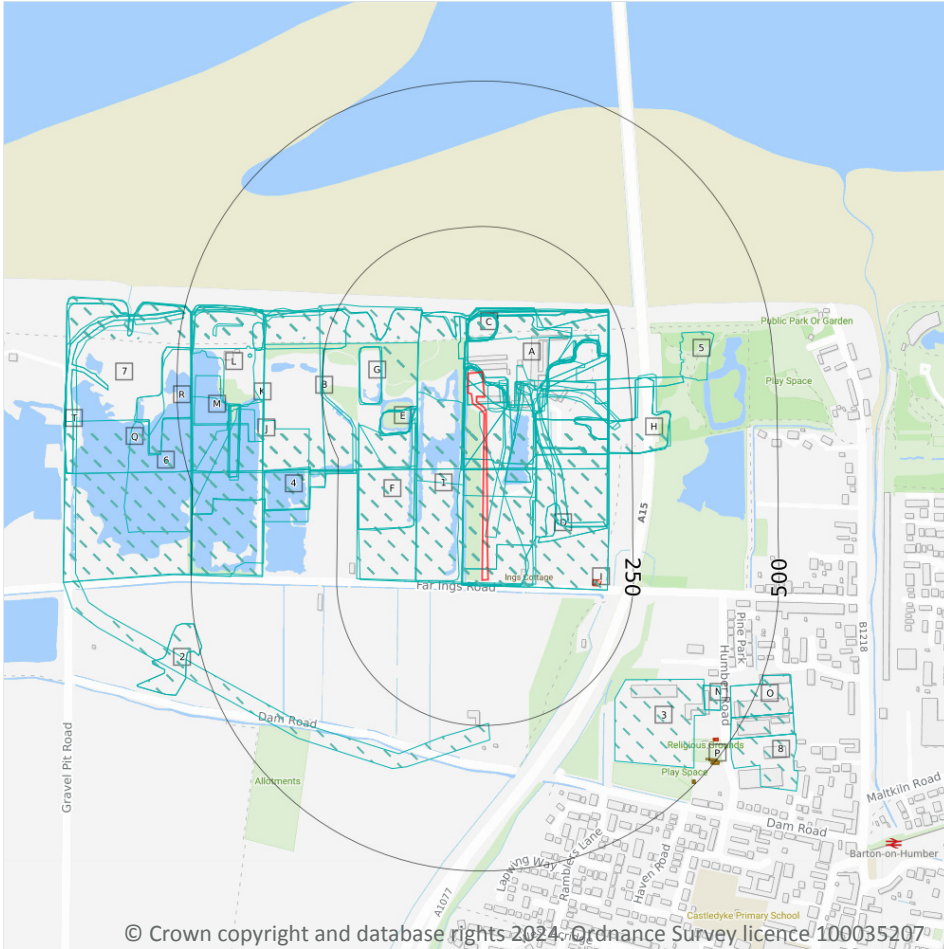
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

*This data is sourced from Ordnance Survey / Groundsure / other sources.*



## 2 Past land use - un-grouped



### 2.1 Historical industrial land uses

Records within 500m

112

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Brick Works	1970	2022637
A	On site	Brick Works	1979	2022637
A	On site	Unspecified Works	1993	2020476

ID	Location	Land Use	Date	Group ID
A	On site	Brick Yard	1886	2027098
A	On site	Unspecified Pit	1886	2025660
A	On site	Brick Works	1930	2022980
A	On site	Unspecified Pit	1930	2026952
A	On site	Unspecified Pit	1938	2023327
A	On site	Unspecified Pit	1908	2030551
A	On site	Brick Works	1956	2029599
A	On site	Unspecified Pits	1956	2021859
A	On site	Brick Works	1948	2027803
A	On site	Unspecified Pit	1948	2023958
A	On site	Unspecified Pit	1906	2031557
A	On site	Brick Works	1906	2025584
A	On site	Railway Sidings	1906	2027776
A	On site	Unspecified Pits	1886	2021859
A	On site	Brick Yard	1886	2031422
A	On site	Brick Works	1948	2021103
A	On site	Unspecified Pit	1948	2033337
A	On site	Brick Works	1930	2022980
A	On site	Unspecified Pit	1930	2026952
A	On site	Brick Works	1948	2021104
A	On site	Unspecified Pit	1948	2033337
B	On site	Brick Works	1938	2021102
B	On site	Brick Works	1908	2021110
B	5m N	Brick Works	1906	2023413
1	18m N	Unspecified Pit	1906	2017164
A	25m E	Railway Sidings	1938	2022268
A	25m E	Railway Sidings	1908	2028439
C	53m N	Unspecified Pit	1930	2029121



ID	Location	Land Use	Date	Group ID
C	53m N	Unspecified Pit	1930	2029121
C	53m N	Unspecified Pit	1956	2024022
A	55m NE	Railway Sidings	1948	2022268
C	56m N	Unspecified Pit	1948	2024022
C	56m N	Unspecified Pit	1906	2029850
A	56m NE	Railway Sidings	1930	2026676
A	57m NE	Railway Sidings	1948	2021685
A	58m NE	Mineral Railway Sidings	1970	2016495
C	59m N	Unspecified Pit	1938	2023014
C	59m N	Unspecified Pit	1908	2025009
A	83m NE	Unspecified Pit	1886	2027894
A	85m NE	Unspecified Pit	1938	2026918
A	85m NE	Unspecified Pit	1908	2022568
A	85m NE	Unspecified Pit	1906	2022632
B	86m NW	Brick Yard	1886	2027098
B	87m NW	Brick Yard	1886	2031422
D	87m SE	Unspecified Heap	1930	2021541
D	87m SE	Unspecified Heap	1930	2021541
E	92m NW	Unspecified Heap	1948	2021971
E	94m NW	Unspecified Heap	1956	2021971
E	96m NW	Unspecified Heap	1930	2021419
E	96m NW	Unspecified Heap	1930	2021419
A	97m NE	Unspecified Pit	1948	2025377
A	97m NE	Unspecified Pit	1948	2025377
F	100m NW	Unspecified Pit	1956	2030947
E	103m NW	Unspecified Heap	1948	2028117
E	103m NW	Unspecified Heap	1948	2028117
F	104m NW	Unspecified Pit	1948	2030947



ID	Location	Land Use	Date	Group ID
A	106m NE	Unspecified Pit	1948	2023349
A	112m NE	Unspecified Pit	1930	2032707
A	112m NE	Unspecified Pit	1930	2032707
A	132m NE	Unspecified Pit	1886	2023945
A	134m NE	Unspecified Ground Workings	1886	2019856
G	148m NW	Unspecified Pit	1906	2027539
G	149m NW	Unspecified Pit	1938	2028998
G	149m NW	Unspecified Pit	1908	2031874
A	151m NE	Unspecified Heap	1930	2022954
A	151m NE	Unspecified Heap	1930	2022954
H	153m NE	Unspecified Ground Workings	1948	2027322
H	153m NE	Unspecified Ground Workings	1948	2027322
J	202m W	Tileries	1948	2026741
K	207m W	Tileries	1948	2031443
H	210m E	Unspecified Pit	1948	2030931
K	215m NW	Tileries	1956	2026741
K	215m NW	Unspecified Pits	1956	2027692
2	247m S	Tramway Sidings	1906	2017040
3	292m SE	Unspecified Works	1979	2020475
4	298m W	Unspecified Pit	1948	2017161
5	338m NE	Clay Pit	1970	2019281
L	350m W	Brick Yard	1886	2030748
J	351m NW	Brick Yard	1886	2026232
L	352m NW	Tileries	1930	2022504
J	353m W	Unspecified Pit	1948	2028731
L	356m NW	Unspecified Pit	1948	2025159
L	356m NW	Unspecified Pit	1948	2025159
M	368m W	Unspecified Pit	1886	2024076



ID	Location	Land Use	Date	Group ID
L	373m NW	Chimney	1970	2027129
L	373m NW	Chimney	1979	2027129
J	391m W	Railway Sidings	1930	2026939
J	392m W	Railway Sidings	1948	2027601
J	392m W	Railway Sidings	1956	2027601
J	394m W	Railway Sidings	1948	2030949
L	397m NW	Unspecified Ground Workings	1886	2019858
M	409m W	Unspecified Pit	1948	2029400
N	411m SE	Unspecified Depot	1993	2023466
N	411m SE	Unspecified Depot	1979	2023466
O	455m SE	Unspecified Warehouse	1993	2030163
O	455m SE	Unspecified Warehouse	1979	2030163
6	475m W	Unspecified Pits	1906	2022198
Q	475m W	Brick Works	1906	2032491
7	475m W	Brick Yard	1886	2026232
R	475m W	Refuse Heap	1886	2016529
Q	476m W	Brick Yard	1886	2028817
R	476m W	Unspecified Pit	1886	2017163
O	481m SE	Unspecified Works	1993	2026293
O	481m SE	Unspecified Works	1979	2026293
S	495m SW	Refuse Heap	1970	2033048
S	495m SW	Refuse Heap	1979	2033048
8	499m SE	Unspecified Works	1979	2033113
T	499m NW	Railway Sidings	1938	2031559
T	499m NW	Railway Sidings	1908	2026205

*This data is sourced from Ordnance Survey / Groundsure.*



## 2.2 Historical tanks

Records within 500m

11

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
P	484m SE	Tanks	1996	348307
P	492m SE	Unspecified Tank	1979	350439
P	492m SE	Unspecified Tank	1987	351605
P	493m SE	Unspecified Tank	1996	351574
P	494m SE	Unspecified Tank	1976	351517
P	494m SE	Unspecified Tank	1983	352242
P	495m SE	Tanks	1996	353606
P	495m SE	Tanks	1979	352142
P	495m SE	Tanks	1987	351050
P	496m SE	Tanks	1976	352963
P	496m SE	Tanks	1983	351753

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.3 Historical energy features

Records within 500m

7

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
I	180m SE	Electricity Transformer	1979	241312
I	183m SE	Electricity Transformer	1976	241625
P	474m SE	Electricity Substation	1979	241095



ID	Location	Land Use	Date	Group ID
P	474m SE	Electricity Substation	1987	242573
P	475m SE	Electricity Substation	1996	242573
P	476m SE	Electricity Substation	1976	241487
P	476m SE	Electricity Substation	1983	242573

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

**Records within 500m**

**0**

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



## 3 Waste and landfill



### 3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

*This data is sourced from the British Geological Survey.*

### 3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

*This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.*

### 3.4 Historical landfill (EA/NRW records)

Records within 500m

1

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 29 >](#)

ID	Location	Details		
3	397m SW	Site Address: Dam Road, Dam Road, Barton Licence Holder Address: -	Waste Licence: - Site Reference: 55/17/0025 Waste Type: Inert, Industrial, Commercial, Household, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Barston-on-Humberside Urban District Council Licence Holder: - First Recorded 01/12/1955 Last Recorded: 31/12/1977

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.5 Historical waste sites

Records within 500m

0

Waste site records derived from Local Authority planning records and high detail historical mapping.

*This data is sourced from Ordnance Survey/Groundsure and Local Authority records.*

### 3.6 Licensed waste sites

Records within 500m

0

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



### 3.7 Waste exemptions

Records within 500m

7

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

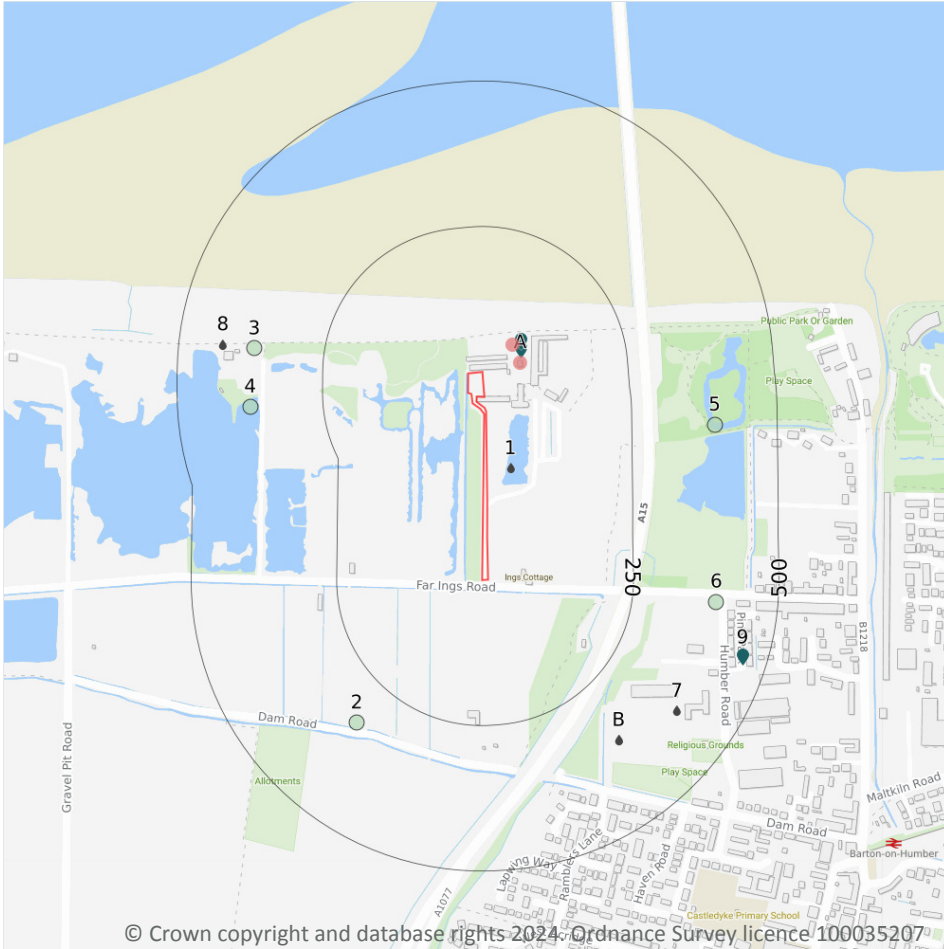
Features are displayed on the Waste and landfill map on [page 29 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
1	309m SE	Humber Road, Barton-Upon-Humber, Dn18 5bn	WEX395698	Using waste exemption	Not on a farm	Use of waste in construction
2	333m SE	-	WEX268584	Using waste exemption	Not on a farm	Use of waste in construction
A	426m SE	Birse Rail Ltd Humber Road Barton-Upon-Humber South Humberside Dn18 5bw	EPR/TF0007N M/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
A	427m SE	Bph Equipment Ltd, Humber Road, Barton Upon Humber, Dn18 5bw	WEX154346	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	427m SE	Bph Equipment Ltd, Humber Road, Barton Upon Humber, Dn18 5bw	WEX081421	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	433m SE	-	WEX359905	Disposing of waste exemption	Not on a farm	Burning waste in the open
4	473m SE	Bush Tyres, Humber Road, Barton On Humber, Dn185bn	WEX249466	Storing waste exemption	Not on a farm	Storage of waste in a secure place

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ◆ Licensed pollutant release (Part A(2)/B)
- ◆ Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

### 4.1 Recent industrial land uses

Records within 250m

2

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 32](#) >

ID	Location	Company	Address	Activity	Category
A	67m N	Works	Lincolnshire, DN18	Unspecified Works Or Factories	Industrial Features
A	70m N	Chimney	Lincolnshire, DN18	Chimneys	Industrial Features

*This data is sourced from Ordnance Survey.*



## 4.2 Current or recent petrol stations

Records within 500m	0
---------------------	---

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

Records within 500m	0
---------------------	---

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

Records within 500m	0
---------------------	---

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*

## 4.5 Sites determined as Contaminated Land

Records within 500m	0
---------------------	---

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

*This data is sourced from Local Authority records.*

## 4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0
---------------------	---

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

**Records within 500m** **0**

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

**Records within 500m** **0**

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

**Records within 500m** **0**

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.10 Licensed industrial activities (Part A(1))

**Records within 500m** **0**

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.11 Licensed pollutant release (Part A(2)/B)

**Records within 500m** **3**

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 32 >](#)

ID	Location	Address	Details	
A	76m N	Gordon Harrison Limtied T/A William Blyth, Ings Tileries, Far Ings Road, Barton On Humber, DN18 5RF	Process: Manufacture of Clay Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
A	84m N	Gordon Harrison Limtied T/A William Blyth, Ings Tileries, Far Ings Road, Barton On Humber, DN18 5RF	Process: Manufacture of Clay Status: Historical Permit Permit Type: Part A2	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
9	457m SE	Mash Enterprises Ltd, Pinewrap Limited, Humber Road, Humber Road Industrial Estate, Barton Upon Humber, DN18 5HB	Process: Combustion & Incineration Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

*This data is sourced from Local Authority records.*

## 4.12 Radioactive Substance Authorisations

**Records within 500m**

**0**

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.13 Licensed Discharges to controlled waters

**Records within 500m**

**5**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 32 >](#)

ID	Location	Address	Details	
1	40m E	THEOLDTILEWORKS,FARINGSR OAD,BARTONUPONHUMBER,N ORTHLINCOLNSHIRE, DN185AZ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRFB3599DJ Permit Version: 1 Receiving Water: OLD TILE WORKS POND	Status: NEW ISSUED UNDER EPR 2010 Issue date: 20/03/2017 Effective Date: 20/03/2017 Revocation Date: -



ID	Location	Address	Details	
B	355m SE	HUMBERROAD,BARTONONHUMBER,SOUTH HUMBERSIDE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: PR3NF183 Permit Version: 1 Receiving Water: unknown trib Far Inges Lane Dy	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 29/01/1986 Effective Date: 29/01/1986 Revocation Date: 19/11/1996
B	355m SE	HUMBERROAD,BARTONONHUMBER,SOUTH HUMBERSIDE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR3NF183 Permit Version: 2 Receiving Water: unnamed drain	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 20/11/1996 Effective Date: 20/11/1996 Revocation Date: -
7	395m SE	HUMBERROAD,VEHICLEWASHINGS,BARTONONHUMBER,SOUTH HUMBERSIDE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: PR3NFF1148 Permit Version: 1 Receiving Water: Unknown Trib	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 05/04/1976 Effective Date: 05/04/1976 Revocation Date: 23/04/1996
8	425m NW	BARTONOUTDOORPURSUITS,FARINGSROAD,BARTONONHUMBER, DN185RF	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRNNF09078 Permit Version: 1 Receiving Water: unnamed pond River Humber	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 19/03/1992 Effective Date: 19/03/1992 Revocation Date: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4.16 List 1 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.17 List 2 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.18 Pollution Incidents (EA/NRW)

Records within 500m

5

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 32 >](#)

ID	Location	Details	
2	326m SW	Incident Date: 24/06/2002 Incident Identification: 86789 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3	370m NW	Incident Date: 12/02/2002 Incident Identification: 57848 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
4	375m W	Incident Date: 28/05/2003 Incident Identification: 161411 Pollutant: Other Pollutant Pollutant Description: Microbiological	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
5	392m E	Incident Date: 20/07/2003 Incident Identification: 175165 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
6	394m SE	Incident Date: 26/06/2003 Incident Identification: 169141 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.19 Pollution inventory substances

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

#### 4.20 Pollution inventory waste transfers

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

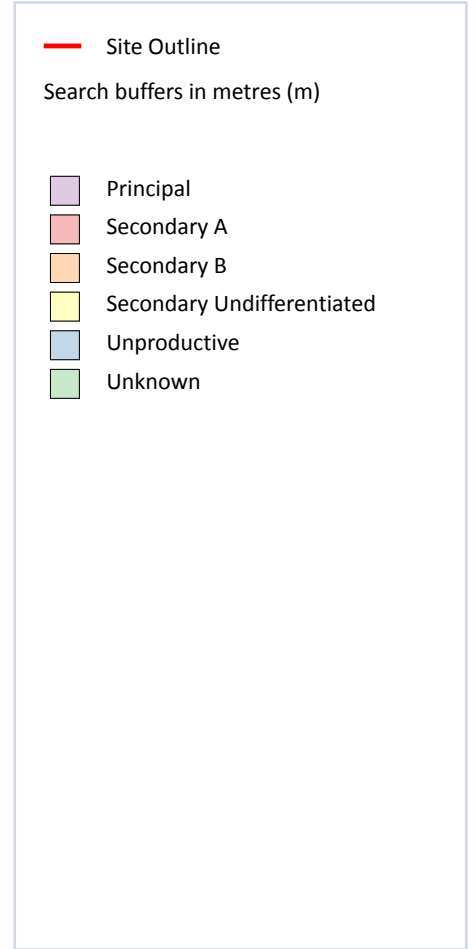
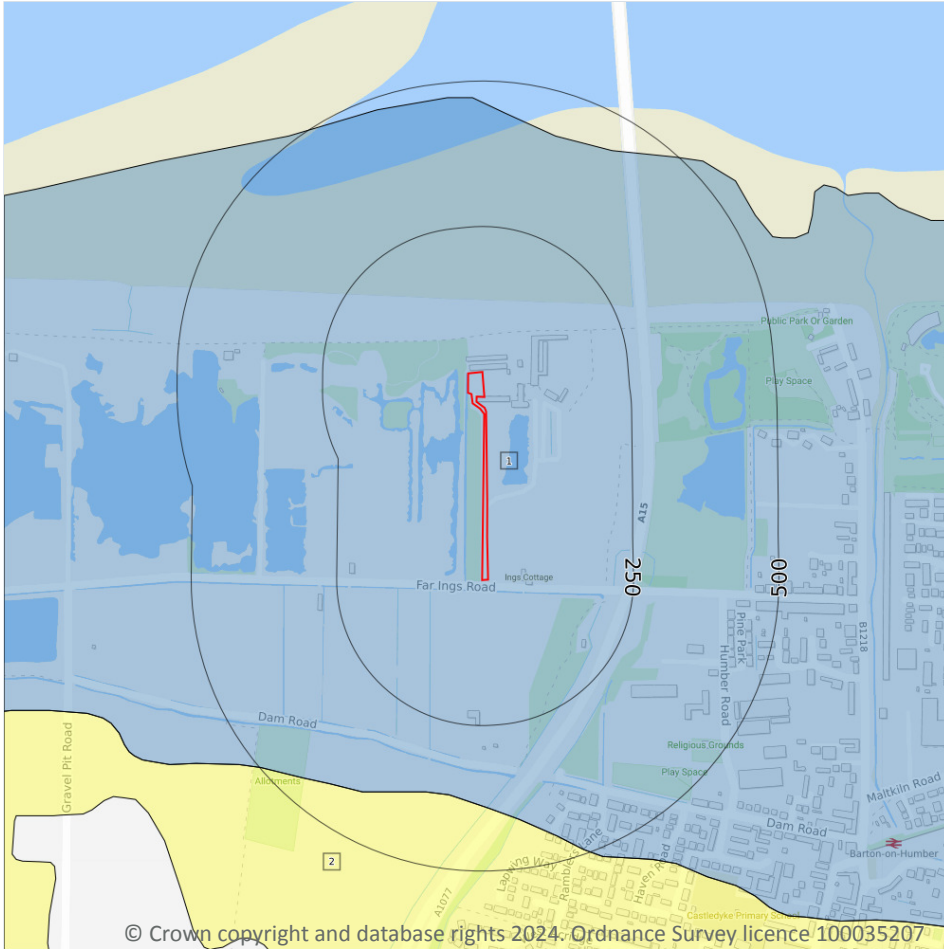
#### 4.21 Pollution inventory radioactive waste

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 5 Hydrogeology - Superficial aquifer



### 5.1 Superficial aquifer

Records within 500m

2

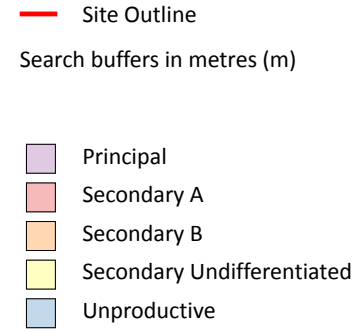
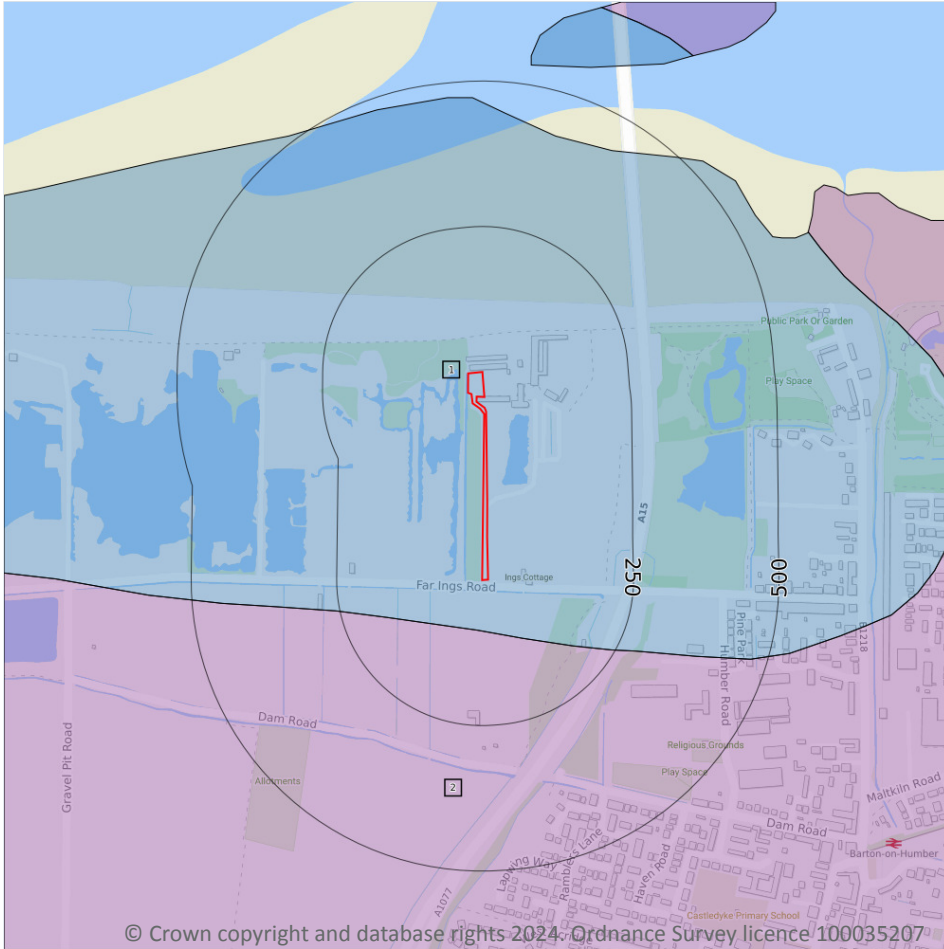
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 39 >](#)

ID	Location	Designation	Description
1	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	373m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

## Bedrock aquifer



### 5.2 Bedrock aquifer

Records within 500m

2

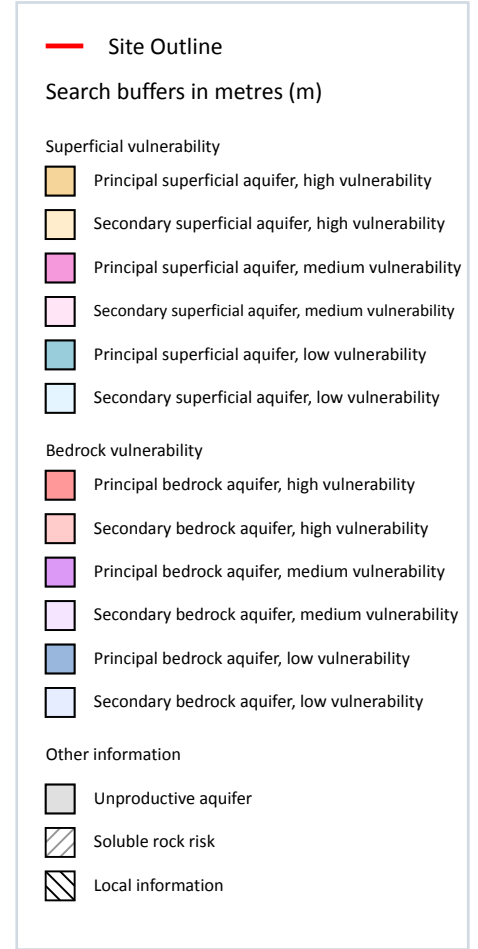
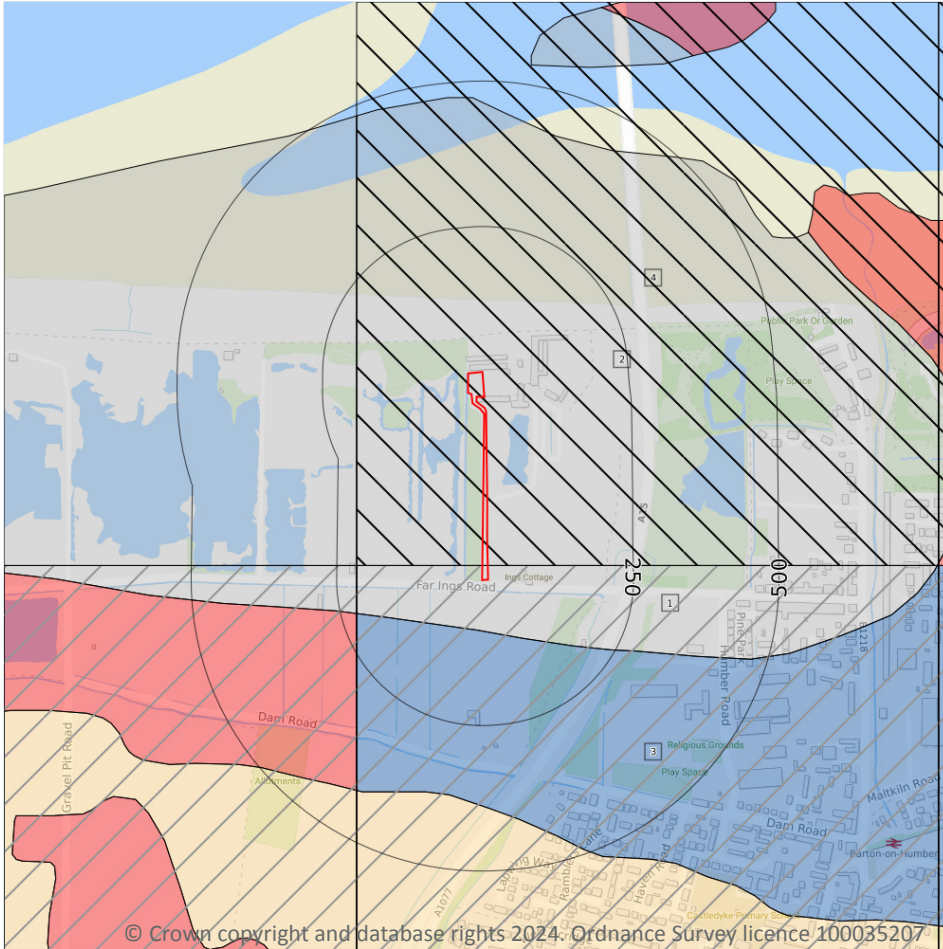
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 40](#) >

ID	Location	Designation	Description
1	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	86m S	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

## Groundwater vulnerability



### 5.3 Groundwater vulnerability

Records within 50m

2

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 41](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	<b>Summary Classification:</b> Unproductive aquifer (may have productive aquifer beneath) <b>Combined classification:</b> Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> >70% <b>Dilution value:</b> <300mm/year	<b>Vulnerability:</b> Unproductive <b>Aquifer type:</b> Unproductive <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> Low	<b>Vulnerability:</b> Unproductive <b>Aquifer type:</b> Unproductive <b>Flow mechanism:</b> Well connected fractures
2	On site	<b>Summary Classification:</b> Unproductive aquifer (may have productive aquifer beneath) <b>Combined classification:</b> Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer	<b>Leaching class:</b> High <b>Infiltration value:</b> No Data% <b>Dilution value:</b> No Datamm/year	<b>Vulnerability:</b> Unproductive <b>Aquifer type:</b> Unproductive <b>Thickness:</b> >10m <b>Patchiness value:</b> <90% <b>Recharge potential:</b> No Data	<b>Vulnerability:</b> Unproductive <b>Aquifer type:</b> Unproductive <b>Flow mechanism:</b> Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

## 5.4 Groundwater vulnerability- soluble rock risk

<b>Records on site</b>	<b>1</b>
------------------------	----------

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
3	<b>Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.</b>	31.0%

This data is sourced from the British Geological Survey and the Environment Agency.

## 5.5 Groundwater vulnerability- local information

<b>Records on site</b>	<b>1</b>
------------------------	----------

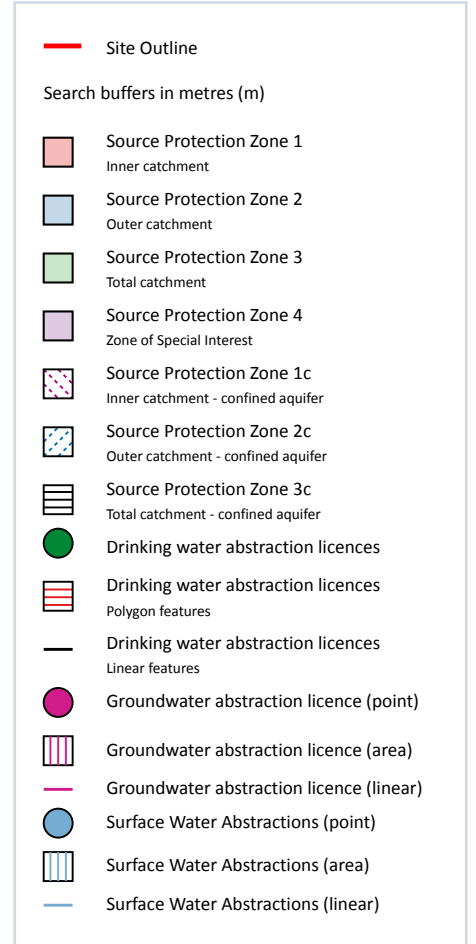
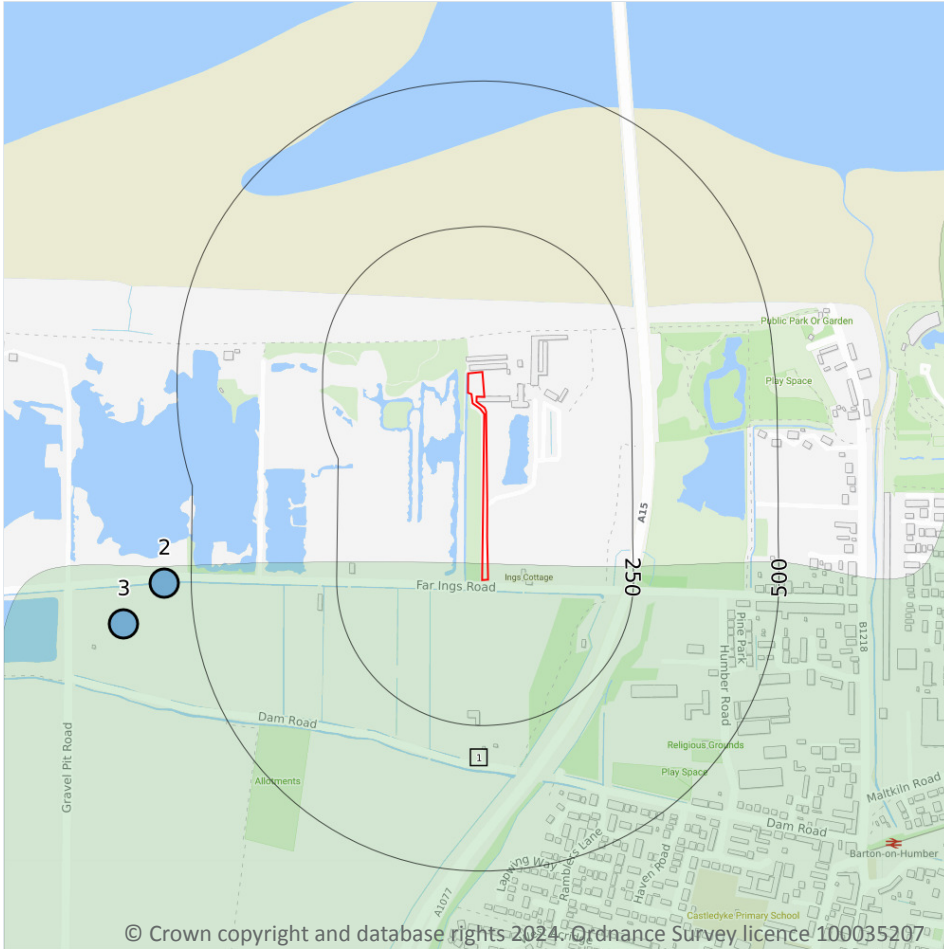
This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk) ↗.



ID	Summary	Additional information
4	<b>Low vulnerability area due to presence of protective superficial deposits</b>	<b>Protective superficial deposits present in south Humberbank</b>

*This data is sourced from the British Geological Survey and the Environment Agency.*

## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

1

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 44](#) >

ID	Location	Details	
-	1969m S	Status: Historical Licence No: 4/29/09/*G/0077 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: STEPHENSON BORE BARTON-ON-HUM. Data Type: Point Name: R H STEPHENSON & SONS Easting: 501680 Northing: 421080	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 01/07/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1977 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

## 5.7 Surface water abstractions

<b>Records within 2000m</b>	<b>8</b>
-----------------------------	----------

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 44 >](#)

ID	Location	Details	
2	546m W	Status: Historical Licence No: 4/29/09/*S/0133 Details: Lake & Pond Throughflow Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: FAR INGS ROAD DRAIN - BARTON Data Type: Point Name: LINCOLNSHIRE WILDLIFE TRUST Easting: 501670 Northing: 422970	Annual Volume (m <sup>3</sup> ): 36400 Max Daily Volume (m <sup>3</sup> ): 500 Original Application No: - Original Start Date: 01/08/1992 Expiry Date: 31/03/2017 Issue No: 102 Version Start Date: 11/02/2005 Version End Date: -
3	620m SW	Status: Historical Licence No: 4/29/09/*S/0133 Details: Lake & Pond Throughflow Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: FAR INGS ROAD DRAIN - BARTON Data Type: Point Name: NORTH LINCOLNSHIRE COUNCIL Easting: 501600 Northing: 422900	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 01/08/1992 Expiry Date: 01/03/2017 Issue No: 101 Version Start Date: 01/04/2004 Version End Date: -

ID	Location	Details	
-	1112m W	Status: Historical Licence No: 4/29/09/*S/0144 Details: Make-Up Or Top Up Water Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: UNAMED DRAIN LEADING TO FAR INGS DRAIN - BARTON ON HUMBER Data Type: Point Name: LINCOLNSHIRE WILDLIFE TRUST Easting: 501110 Northing: 422860	Annual Volume (m <sup>3</sup> ): 46000 Max Daily Volume (m <sup>3</sup> ): 1000 Original Application No: - Original Start Date: 07/01/2002 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 01/04/2004 Version End Date: -
-	1113m W	Status: Historical Licence No: 4/29/09/*S/0144 Details: Make-Up Or Top Up Water Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: UNAMED DRAIN LEADING TO FAR INGS DRAIN - BARTON UPON HUMBER Data Type: Point Name: LINCOLNSHIRE WILDLIFE TRUST Easting: 501110 Northing: 422850	Annual Volume (m <sup>3</sup> ): 46000 Max Daily Volume (m <sup>3</sup> ): 1000 Original Application No: - Original Start Date: 07/01/2002 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 01/04/2004 Version End Date: -
-	1271m E	Status: Historical Licence No: 4/29/09/*S/0140 Details: Pollution Remediation Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: RIVER HUMBER - BARTON UPON HUMER Data Type: Point Name: NORTH LINCOLNSHIRE COUNCIL Easting: 503480 Northing: 423470	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2002 Issue No: 1 Version Start Date: 16/03/2000 Version End Date: -
-	1271m E	Status: Historical Licence No: 4/29/09/*S/0141 Details: Make-Up or Top Up Water Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: RIVER HUMBER - BARTON UPON HUMER Data Type: Point Name: NORTH LINCOLNSHIRE COUNCIL Easting: 503480 Northing: 423470	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2020 Issue No: 1 Version Start Date: 01/04/2004 Version End Date: -
-	1353m E	Status: Historical Licence No: 4/29/09/*S/0140 Details: Pollution Remediation Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: BUTTS ROAD DRAIN - BARTON UPON HUMBER Data Type: Point Name: NORTH LINCOLNSHIRE COUNCIL Easting: 503550 Northing: 422700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2002 Issue No: 1 Version Start Date: 16/03/2000 Version End Date: -



ID	Location	Details	
-	1353m E	Status: Historical Licence No: 4/29/09/*S/0141 Details: Make-Up or Top Up Water Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: BUTTS ROAD DRAIN - BARTON UPON HUMBER Data Type: Point Name: NORTH LINCOLNSHIRE COUNCIL Easting: 503550 Northing: 422700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2020 Issue No: 1 Version Start Date: 01/04/2004 Version End Date: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.8 Potable abstractions

<b>Records within 2000m</b>	<b>0</b>
-----------------------------	----------

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.9 Source Protection Zones

<b>Records within 500m</b>	<b>1</b>
----------------------------	----------

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

Features are displayed on the Abstractions and Source Protection Zones map on [page 44 >](#)

ID	Location	Type	Description
1	On site	3	Total catchment

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.10 Source Protection Zones (confined aquifer)

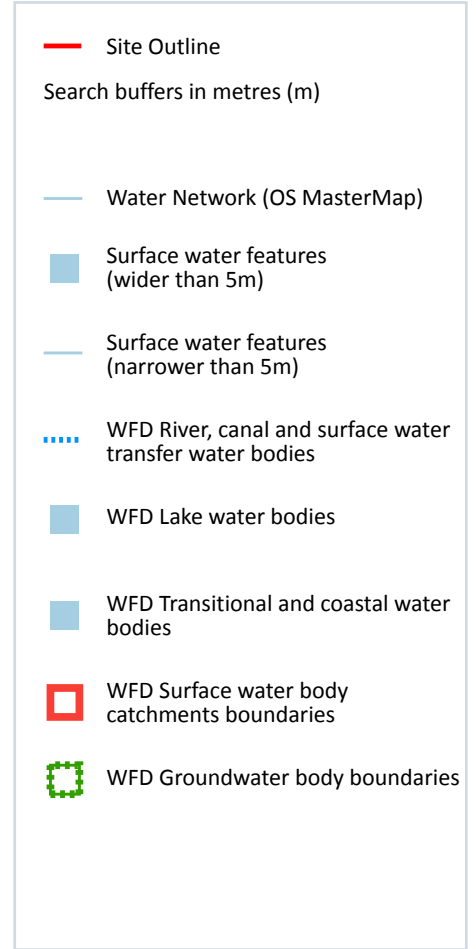
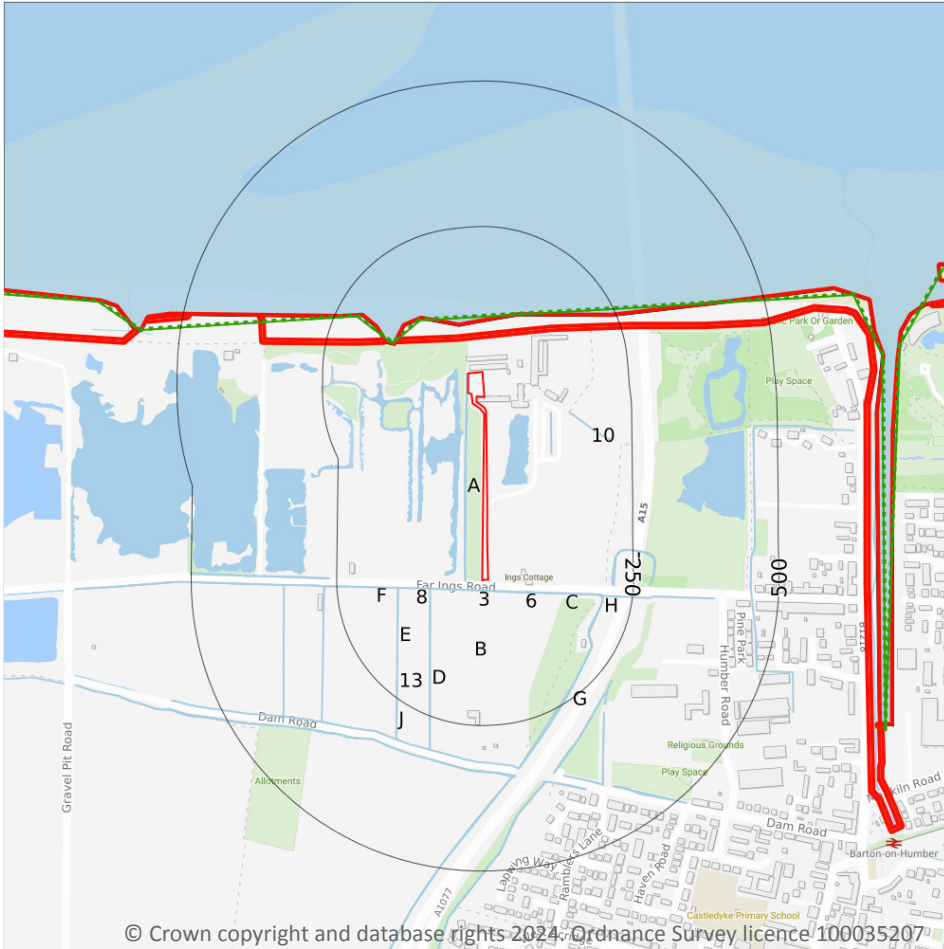
<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 6 Hydrology



### 6.1 Water Network (OS MasterMap)

Records within 250m

18

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on [page 48 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
A	2m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
3	18m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	63m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	66m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
8	91m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	91m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
10	142m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	145m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	146m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	193m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	198m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	198m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
H	199m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
13	206m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
I	213m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	223m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	226m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
F	231m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

## 6.2 Surface water features

**Records within 250m**

**15**

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on [page 48 >](#)

This data is sourced from the Ordnance Survey.

## 6.3 WFD Surface water body catchments

**Records on site**

**1**

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 48 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
B	On site	River	Barrow Beck	GB104029067605	Becks Northern	Louth Grimsby and Ancholme

This data is sourced from the Environment Agency and Natural Resources Wales.



## 6.4 WFD Surface water bodies

Records identified

2

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 48 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
7	82m N	Transi	HUMBER MIDDLE	<a href="#">GB530402609202</a> ↗	Moderate	Fail	Moderate	2019
-	3286m SE	River	Barrow Beck	<a href="#">GB104029067605</a> ↗	Poor	Fail	Poor	2019

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 6.5 WFD Groundwater bodies

Records on site

1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

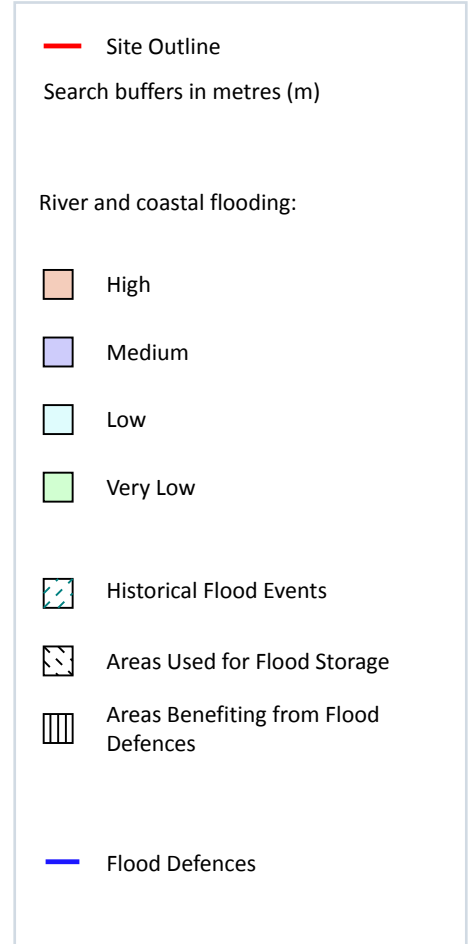
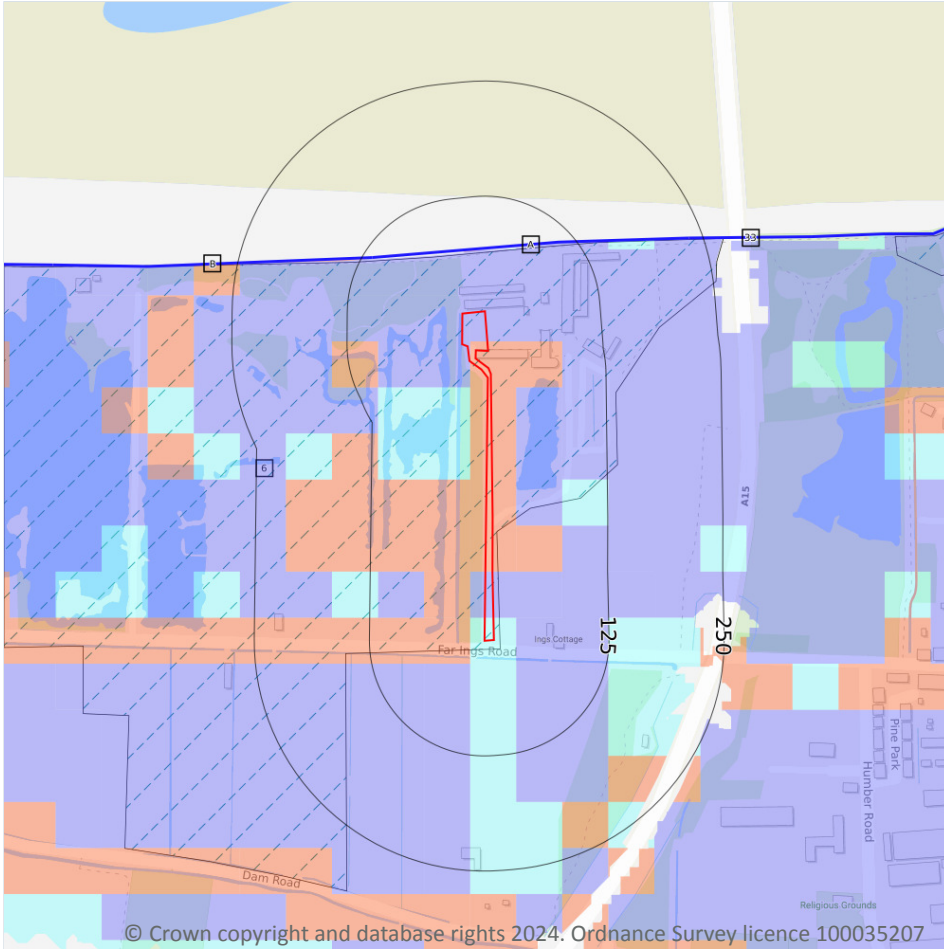
Features are displayed on the Hydrology map on [page 48 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	North Lincolnshire Chalk Unit	<a href="#">GB40401G401500</a> ↗	Poor	Poor	Poor	2019

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7 River and coastal flooding



### 7.1 Risk of flooding from rivers and the sea

Records within 50m

14

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on [page 52 >](#)

Distance	Flood risk category
<b>On site</b>	<b>High</b>
0 - 50m	High

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.2 Historical Flood Events

Records within 250m	1
---------------------	---

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on [page 52 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
6	On site	Lna_2013_12_Tidal_Witham_Haven	2013-12-05 2013-12-05	Sea	Overtopping of defences	Tidal

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.3 Flood Defences

Records within 250m	3
---------------------	---

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

Features are displayed on the River and coastal flooding map on [page 52 >](#)

ID	Location	Update
A	68m N	08/11/2022
B	115m NW	08/11/2022
33	236m NE	08/11/2022

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.5 Flood Storage Areas

Records within 250m

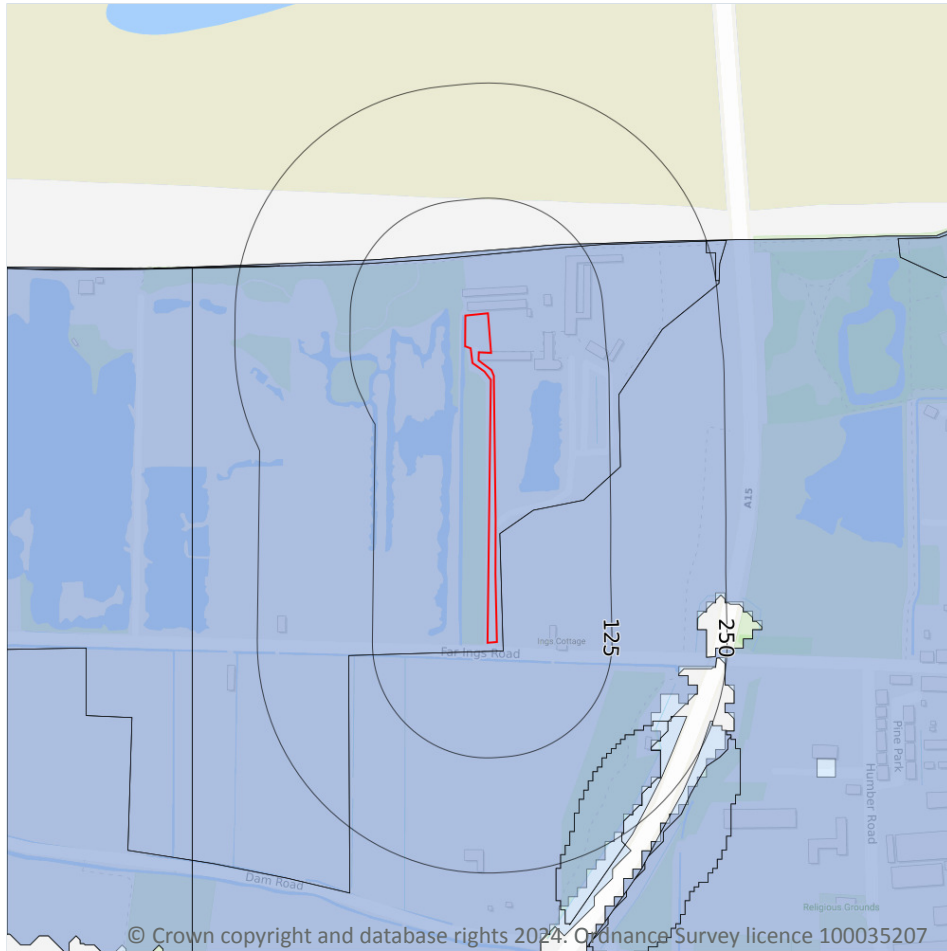
0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## River and coastal flooding - Flood Zones



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

### 7.6 Flood Zone 2

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on [page 52 >](#)

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.7 Flood Zone 3

Records within 50m

1

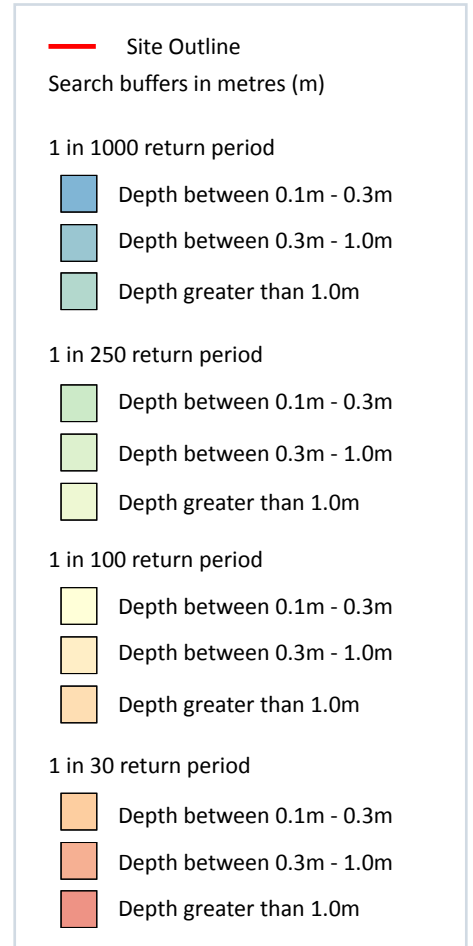
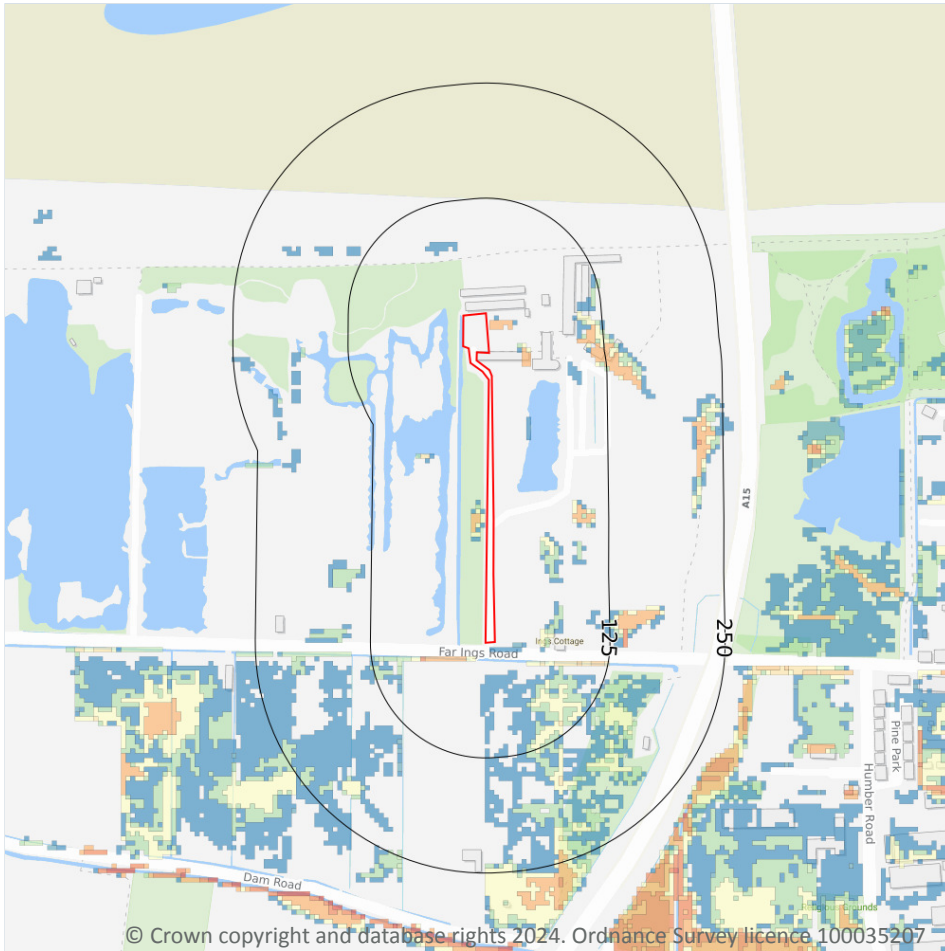
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on [page 52 >](#)

Location	Type
On site	Zone 3 - (Fluvial Models)

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 8 Surface water flooding



### 8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 30 year, 0.1m - 0.3m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 57 >](#)

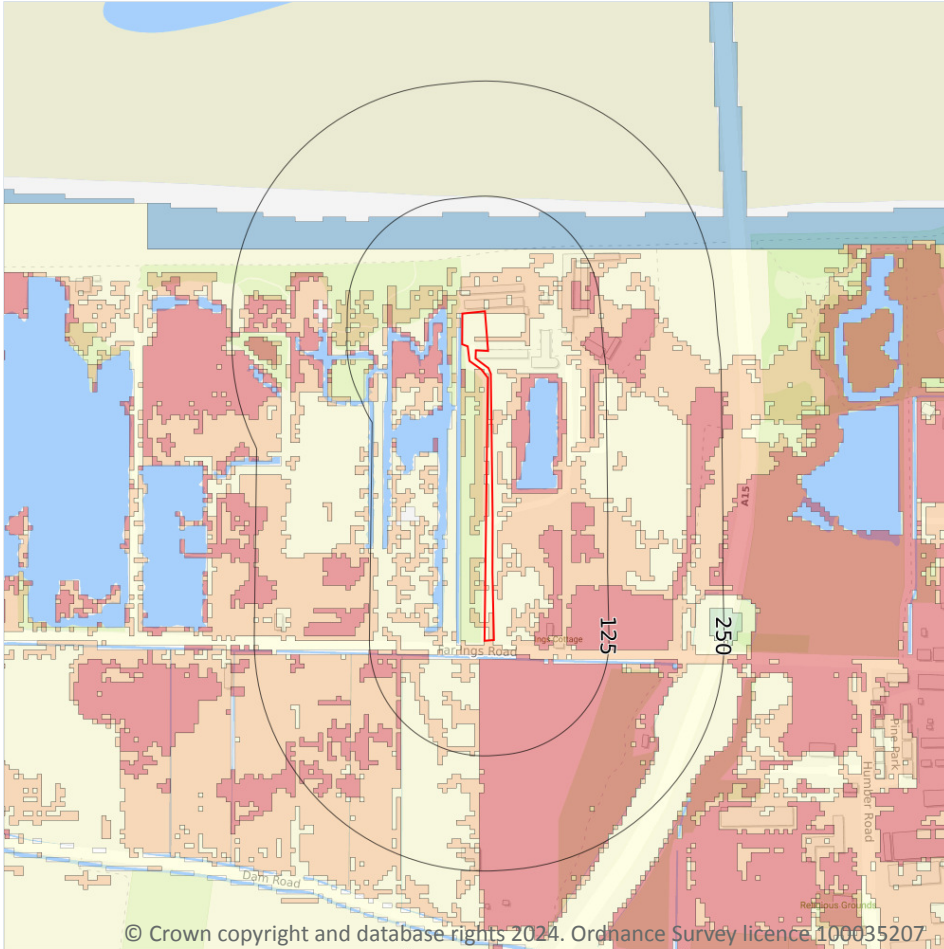
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

*This data is sourced from Ambiental Risk Analytics.*

## 9 Groundwater flooding



### 9.1 Groundwater flooding

**Highest risk on site**

**Moderate-High**

**Highest risk within 50m**

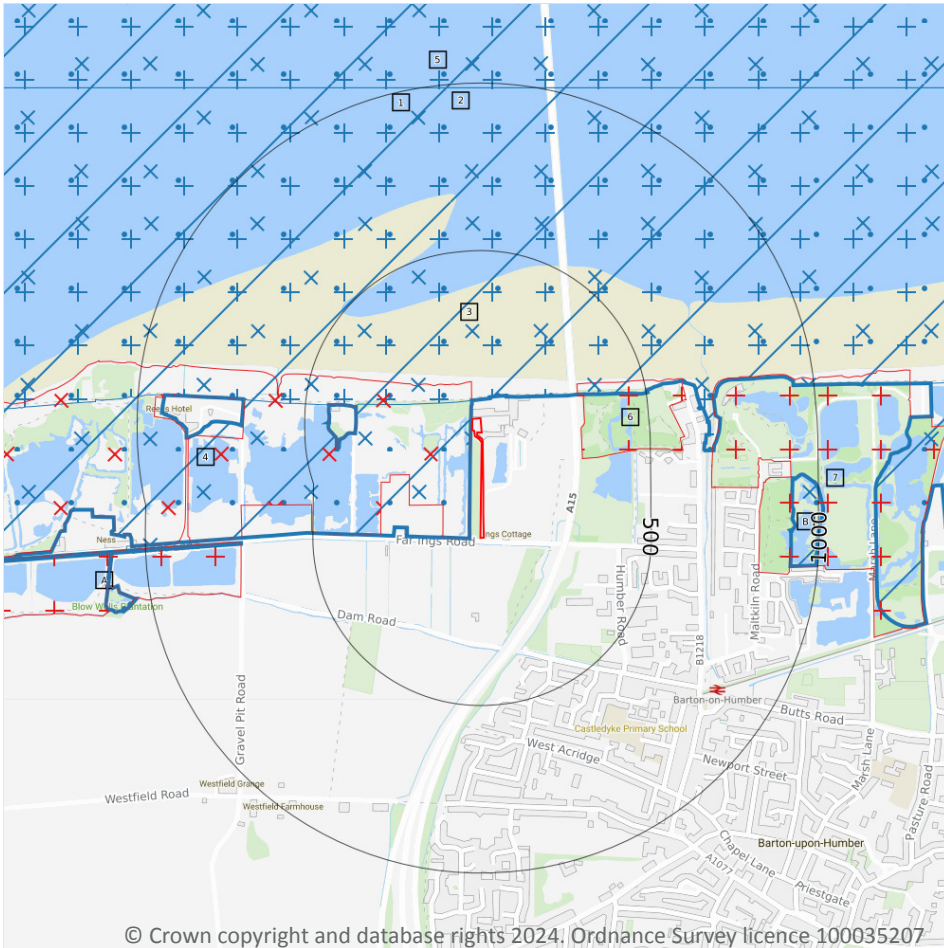
**High**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 59](#) >

*This data is sourced from Ambiental Risk Analytics.*

## 10 Environmental designations



### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

3

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on [page 60 >](#)

ID	Location	Name	Data source
1	4m N	Humber Estuary	Natural England

ID	Location	Name	Data source
A	714m W	Humber Estuary	Natural England
B	915m E	Humber Estuary	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

3

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

Features are displayed on the Environmental designations map on [page 60](#) >





ID	Location	Site	Details
2	4m N	Name: Humber Estuary Site status: Listed Data source: Natural England	<p>Overview: The Humber Estuary is the largest macro-tidal estuary on the British North Sea coast. It drains a catchment of some 24,240 square kilometres and is the site of the largest single input of freshwater from Britain into the North Sea. It has the second-highest tidal range in Britain (max 7.4 m) and approximately one-third of the estuary is exposed as mud or sand flats at low tide. The inner estuary supports extensive areas of reedbed with areas of mature and developing saltmarsh backed in places by limited areas of grazing marsh in the middle and outer estuary. On the north Lincolnshire coast the saltmarsh is backed by low sand dunes with marshy slacks and brackish pools. The Estuary regularly supports internationally important numbers of waterfowl in winter and nationally important breeding populations in summer.</p> <p>Ramsar criteria: Ramsar criterion 1 The site is a representative example of a near-natural estuary with the following component habitats: dune systems and humid dune slacks, estuarine waters, intertidal mud and sand flats, saltmarshes, and coastal brackish/saline lagoons. It is a large macro-tidal coastal plain estuary with high suspended sediment loads, which feed a dynamic and rapidly changing system of accreting and eroding intertidal and subtidal mudflats, sandflats, saltmarsh and reedbeds. Examples of both strandline, foredune, mobile, semi-fixed dunes, fixed dunes and dune grassland occur on both banks of the estuary and along the coast. The estuary supports a full range of saline conditions from the open coast to the limit of saline intrusion on the tidal rivers of the Ouse and Trent. Wave exposed sandy shores are found in the outer/open coast areas of the estuary. These change to the more moderately exposed sandy shores and then to sheltered muddy shores within the main body of the estuary and up into the tidal rivers. The lower saltmarsh of the Humber is dominated by common cordgrass <i>Spartina anglica</i> and annual glasswort <i>Salicornia</i> communities. Low to mid marsh communities are mostly represented by sea aster <i>Aster tripolium</i>, common saltmarsh grass <i>Puccinellia maritima</i> and sea purslane <i>Atriplex portulacoides</i> communities. The upper portion of the saltmarsh community is atypical, dominated by sea couch <i>Elytrigia atherica</i> (<i>Elymus pycnanthus</i>) saltmarsh community. In the upper reaches of the estuary, the tidal marsh community is dominated by the common reed <i>Phragmites australis</i> fen and sea club rush <i>Bolboschoenus maritimus</i> swamp with the couch grass <i>Elytrigia repens</i> (<i>Elymus repens</i>) saltmarsh community. Within the Humber Estuary Ramsar site there are good examples of four of the five physiographic types of saline lagoon. Ramsar criterion 3 The Humber Estuary Ramsar site supports a breeding colony of grey seals <i>Halichoerus grypus</i> at Donna Nook. It is the second largest grey seal colony in England and the furthest south regular breeding site on the east coast. The dune slacks at Saltfleetby-Theddlethorpe on the southern extremity of the Ramsar site are the most north-easterly breeding site in Great Britain of the natterjack toad <i>Bufo calamita</i>. Ramsar criterion 5 Assemblages of international importance: 153,934 waterfowl, non-breeding season (5 year peak mean 1996/97-2000/2001) Ramsar criterion 6 – species/populations occurring at levels of international</p>



ID	Location	Site	Details
A	714m W	Name: Humber Estuary Site status: Listed Data source: Natural England	<p>Overview: The Humber Estuary is the largest macro-tidal estuary on the British North Sea coast. It drains a catchment of some 24,240 square kilometres and is the site of the largest single input of freshwater from Britain into the North Sea. It has the second-highest tidal range in Britain (max 7.4 m) and approximately one-third of the estuary is exposed as mud or sand flats at low tide. The inner estuary supports extensive areas of reedbed with areas of mature and developing saltmarsh backed in places by limited areas of grazing marsh in the middle and outer estuary. On the north Lincolnshire coast the saltmarsh is backed by low sand dunes with marshy slacks and brackish pools. The Estuary regularly supports internationally important numbers of waterfowl in winter and nationally important breeding populations in summer.</p> <p>Ramsar criteria: Ramsar criterion 1 The site is a representative example of a near-natural estuary with the following component habitats: dune systems and humid dune slacks, estuarine waters, intertidal mud and sand flats, saltmarshes, and coastal brackish/saline lagoons. It is a large macro-tidal coastal plain estuary with high suspended sediment loads, which feed a dynamic and rapidly changing system of accreting and eroding intertidal and subtidal mudflats, sandflats, saltmarsh and reedbeds. Examples of both strandline, foredune, mobile, semi-fixed dunes, fixed dunes and dune grassland occur on both banks of the estuary and along the coast. The estuary supports a full range of saline conditions from the open coast to the limit of saline intrusion on the tidal rivers of the Ouse and Trent. Wave exposed sandy shores are found in the outer/open coast areas of the estuary. These change to the more moderately exposed sandy shores and then to sheltered muddy shores within the main body of the estuary and up into the tidal rivers. The lower saltmarsh of the Humber is dominated by common cordgrass <i>Spartina anglica</i> and annual glasswort <i>Salicornia</i> communities. Low to mid marsh communities are mostly represented by sea aster <i>Aster tripolium</i>, common saltmarsh grass <i>Puccinellia maritima</i> and sea purslane <i>Atriplex portulacoides</i> communities. The upper portion of the saltmarsh community is atypical, dominated by sea couch <i>Elytrigia atherica</i> (<i>Elymus pycnanthus</i>) saltmarsh community. In the upper reaches of the estuary, the tidal marsh community is dominated by the common reed <i>Phragmites australis</i> fen and sea club rush <i>Bolboschoenus maritimus</i> swamp with the couch grass <i>Elytrigia repens</i> (<i>Elymus repens</i>) saltmarsh community. Within the Humber Estuary Ramsar site there are good examples of four of the five physiographic types of saline lagoon. Ramsar criterion 3 The Humber Estuary Ramsar site supports a breeding colony of grey seals <i>Halichoerus grypus</i> at Donna Nook. It is the second largest grey seal colony in England and the furthest south regular breeding site on the east coast. The dune slacks at Saltfleetby-Theddlethorpe on the southern extremity of the Ramsar site are the most north-easterly breeding site in Great Britain of the natterjack toad <i>Bufo calamita</i>. Ramsar criterion 5 Assemblages of international importance: 153,934 waterfowl, non-breeding season (5 year peak mean 1996/97-2000/2001) Ramsar criterion 6 – species/populations occurring at levels of international</p>



ID	Location	Site	Details
B	915m E	Name: Humber Estuary Site status: Listed Data source: Natural England	<p>Overview: The Humber Estuary is the largest macro-tidal estuary on the British North Sea coast. It drains a catchment of some 24,240 square kilometres and is the site of the largest single input of freshwater from Britain into the North Sea. It has the second-highest tidal range in Britain (max 7.4 m) and approximately one-third of the estuary is exposed as mud or sand flats at low tide. The inner estuary supports extensive areas of reedbed with areas of mature and developing saltmarsh backed in places by limited areas of grazing marsh in the middle and outer estuary. On the north Lincolnshire coast the saltmarsh is backed by low sand dunes with marshy slacks and brackish pools. The Estuary regularly supports internationally important numbers of waterfowl in winter and nationally important breeding populations in summer.</p> <p>Ramsar criteria: Ramsar criterion 1 The site is a representative example of a near-natural estuary with the following component habitats: dune systems and humid dune slacks, estuarine waters, intertidal mud and sand flats, saltmarshes, and coastal brackish/saline lagoons. It is a large macro-tidal coastal plain estuary with high suspended sediment loads, which feed a dynamic and rapidly changing system of accreting and eroding intertidal and subtidal mudflats, sandflats, saltmarsh and reedbeds. Examples of both strandline, foredune, mobile, semi-fixed dunes, fixed dunes and dune grassland occur on both banks of the estuary and along the coast. The estuary supports a full range of saline conditions from the open coast to the limit of saline intrusion on the tidal rivers of the Ouse and Trent. Wave exposed sandy shores are found in the outer/open coast areas of the estuary. These change to the more moderately exposed sandy shores and then to sheltered muddy shores within the main body of the estuary and up into the tidal rivers. The lower saltmarsh of the Humber is dominated by common cordgrass <i>Spartina anglica</i> and annual glasswort <i>Salicornia</i> communities. Low to mid marsh communities are mostly represented by sea aster <i>Aster tripolium</i>, common saltmarsh grass <i>Puccinellia maritima</i> and sea purslane <i>Atriplex portulacoides</i> communities. The upper portion of the saltmarsh community is atypical, dominated by sea couch <i>Elytrigia atherica</i> (<i>Elymus pycnanthus</i>) saltmarsh community. In the upper reaches of the estuary, the tidal marsh community is dominated by the common reed <i>Phragmites australis</i> fen and sea club rush <i>Bolboschoenus maritimus</i> swamp with the couch grass <i>Elytrigia repens</i> (<i>Elymus repens</i>) saltmarsh community. Within the Humber Estuary Ramsar site there are good examples of four of the five physiographic types of saline lagoon. Ramsar criterion 3 The Humber Estuary Ramsar site supports a breeding colony of grey seals <i>Halichoerus grypus</i> at Donna Nook. It is the second largest grey seal colony in England and the furthest south regular breeding site on the east coast. The dune slacks at Saltfleetby-Theddlethorpe on the southern extremity of the Ramsar site are the most north-easterly breeding site in Great Britain of the natterjack toad <i>Bufo calamita</i>. Ramsar criterion 5 Assemblages of international importance: 153,934 waterfowl, non-breeding season (5 year peak mean 1996/97-2000/2001) Ramsar criterion 6 – species/populations occurring at levels of international</p>



*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 10.3 Special Areas of Conservation (SAC)

**Records within 2000m**

**1**

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on [page 60 >](#)

ID	Location	Name	Features of interest	Habitat description	Data source
5	55m N	Humber Estuary	Subtidal sandbanks; Estuaries; Intertidal mudflats and sandflats; Lagoons; Annual vegetation of drift lines; Glasswort and other annuals colonising mud and sand; Cord-grass swards; Atlantic salt meadows; Shifting dunes; Shifting dunes with marram; Dune grassland; Dunes with sea-buckthorn; Sea lamprey; River lamprey; Allis shad; Twaite shad; Grey seal; Common seal.	Bogs, Marshes, Water fringed vegetation, Fens; Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins)	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 10.4 Special Protection Areas (SPA)

**Records within 2000m**

**4**

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

Features are displayed on the Environmental designations map on [page 60 >](#)

ID	Location	Name	Species of interest	Habitat description	Data source
3	4m N	Humber Estuary	Great bittern; Great bittern; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Common pochard; Greater scaup; Common goldeneye; Eurasian marsh harrier; Hen harrier; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Ringed plover; European golden plover; Grey plover; Grey plover; Northern lapwing; Red knot; Red knot; Sanderling; Sanderling; Ruff; Bar-tailed godwit; Whimbrel; Eurasian curlew; Common redshank; Common redshank; Common greenshank; Ruddy turnstone; Little tern; Black-tailed godwit; Black-tailed godwit; Dunlin; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Inland water bodies (Standing water, Running water); Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens	Natural England
A	714m W	Humber Estuary	Great bittern; Great bittern; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Common pochard; Greater scaup; Common goldeneye; Eurasian marsh harrier; Hen harrier; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Ringed plover; European golden plover; Grey plover; Grey plover; Northern lapwing; Red knot; Red knot; Sanderling; Sanderling; Ruff; Bar-tailed godwit; Whimbrel; Eurasian curlew; Common redshank; Common redshank; Common greenshank; Ruddy turnstone; Little tern; Black-tailed godwit; Black-tailed godwit; Dunlin; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Inland water bodies (Standing water, Running water); Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens	Natural England
B	915m E	Humber Estuary	Great bittern; Great bittern; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Common pochard; Greater scaup; Common goldeneye; Eurasian marsh harrier; Hen harrier; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Ringed plover; European golden plover; Grey plover; Grey plover; Northern lapwing; Red knot; Red knot; Sanderling; Sanderling; Ruff; Bar-tailed godwit; Whimbrel; Eurasian curlew; Common redshank; Common redshank; Common greenshank; Ruddy turnstone; Little tern; Black-tailed godwit; Black-tailed godwit; Dunlin; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Inland water bodies (Standing water, Running water); Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens	Natural England

ID	Location	Name	Species of interest	Habitat description	Data source
8	986m N	Humber Estuary	Great bittern; Great bittern; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Common pochard; Greater scaup; Common goldeneye; Eurasian marsh harrier; Hen harrier; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Ringed plover; European golden plover; Grey plover; Grey plover; Northern lapwing; Red knot; Red knot; Sanderling; Sanderling; Ruff; Bar-tailed godwit; Whimbrel; Eurasian curlew; Common redshank; Common redshank; Common greenshank; Ruddy turnstone; Little tern; Black-tailed godwit; Black-tailed godwit; Dunlin; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Inland water bodies (Standing water, Running water); Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.5 National Nature Reserves (NNR)

**Records within 2000m**

**2**

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

Features are displayed on the Environmental designations map on [page 60 >](#)

ID	Location	Name	Data source
4	4m N	Far Ings	Natural England
A	1048m W	Far Ings	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.6 Local Nature Reserves (LNR)

**Records within 2000m**

**3**

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on [page 60 >](#)



ID	Location	Name	Data source
6	295m E	Waters Edge	Natural England
7	682m E	Waters Edge	Natural England
A	715m W	Far Ings	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.7 Designated Ancient Woodland

**Records within 2000m**

**0**

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.8 Biosphere Reserves

**Records within 2000m**

**0**

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.9 Forest Parks

**Records within 2000m**

**0**

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

*This data is sourced from the Forestry Commission.*

## 10.10 Marine Conservation Zones

**Records within 2000m**

**0**

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*



### 10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

*This data is sourced from the Ministry of Housing, Communities and Local Government.*

### 10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

### 10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

*This data is sourced from Natural England and Natural Resources Wales.*

### 10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

### 10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was



closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

*This data is sourced from Natural England.*

## 10.16 Nitrate Vulnerable Zones

Records within 2000m

3

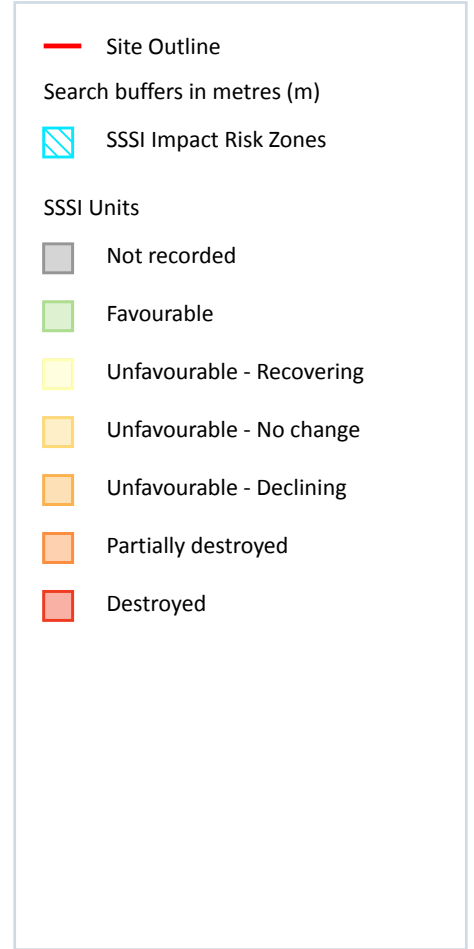
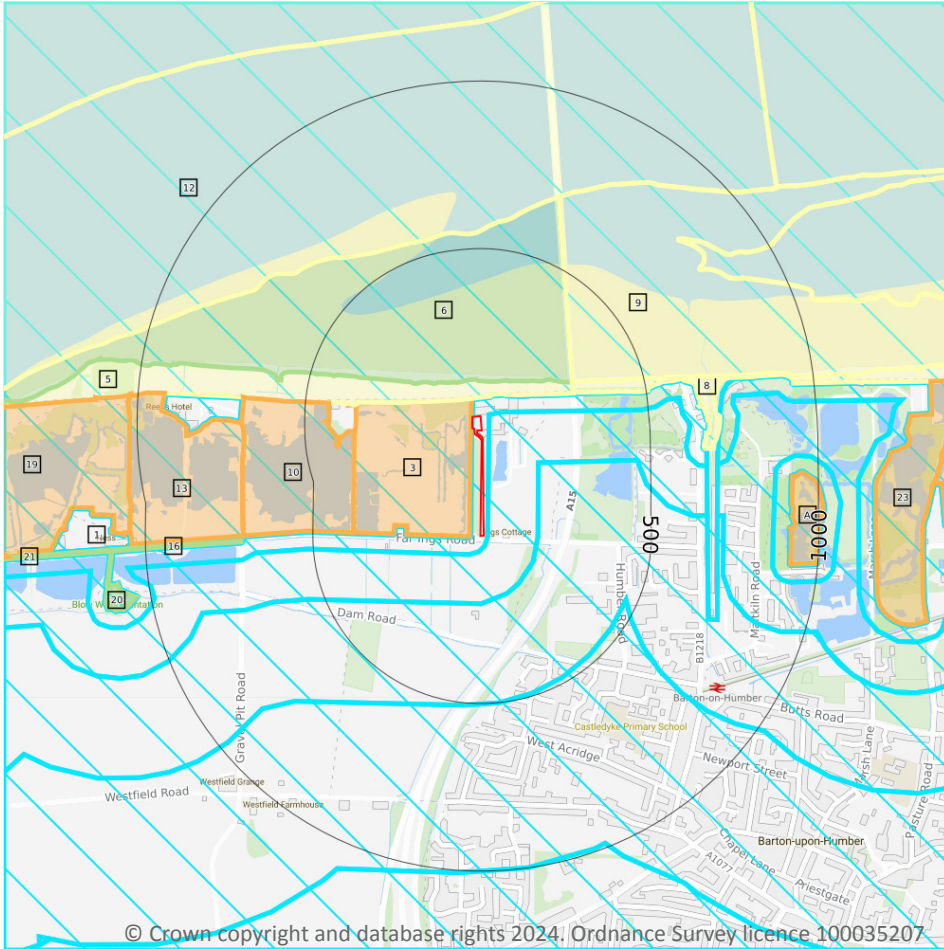
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
321m S	Lincolnshire Chalk	Groundwater	80	Existing
1920m E	Lincolnshire Chalk	Groundwater	80	Existing
1963m N	Yorkshire Chalk	Groundwater	106	Existing

*This data is sourced from Natural England and Natural Resources Wales.*



## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

#### Records on site

1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 72 >](#)

ID	Location	Type of developments requiring consultation
1	On site	All applications - ALL PLANNING APPLICATIONS - EXCEPT HOUSEHOLDER APPLICATIONS.

*This data is sourced from Natural England.*

## 10.18 SSSI Units

<b>Records within 2000m</b>	<b>31</b>
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on [page 72 >](#)

ID: 3  
 Location: 4m N  
 SSSI name: Humber Estuary  
 Unit name: Barton Reedbeds  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Declining  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Bittern, <i>Botaurus stellaris</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, <i>Aythya marila</i>	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Bittern, <i>Botaurus stellaris</i> - A021, b	Favourable	21/04/2022
Bittern, <i>Botaurus stellaris</i> - A021, nb	Favourable	29/03/2022
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Eutrophic lakes	Unfavourable - Declining	18/07/2013
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-
Marsh Harrier, <i>Circus aeruginosus</i> - A081, b	Favourable	21/04/2022
Redshank, <i>Tringa totanus</i> - A162, nb	Unfavourable - Declining	29/03/2022



Feature name	Feature condition	Date of assessment
Redshank, <i>Tringa totanus</i> - Passage	-	-
Ruff, <i>Calidris pugnax</i> - A151, nb	Unfavourable - No change	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Vascular plant assemblage	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

**ID:** 5  
**Location:** 55m N  
**SSSI name:** Humber Estuary  
**Unit name:** Western Foreshore  
**Broad habitat:** Littoral Sediment  
**Condition:** Unfavourable - Recovering  
**Reportable features:**

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1130 Estuaries	-	-
H1310 <i>Salicornia</i> and other annuals colonising mud and sand	-	-
H1330 Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-



Feature name	Feature condition	Date of assessment
Knot, <i>Calidris canutus</i> - Wintering	-	-
Marsh Harrier, <i>Circus aeruginosus</i> - A081, b	Favourable	21/04/2022
Redshank, <i>Tringa totanus</i> - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, <i>Tringa totanus</i> - Passage	-	-
Redshank, <i>Tringa totanus</i> - Wintering	-	-
Ruff, <i>Calidris pugnax</i> - A151, nb	Unfavourable - No change	29/03/2022
SM4-28 - Saltmarsh	Unfavourable - Recovering	12/07/2012
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

**ID:** 6  
**Location:** 105m N  
**SSSI name:** Humber Estuary  
**Unit name:** Western Flats  
**Broad habitat:** Littoral Sediment  
**Condition:** Favourable  
**Reportable features:**

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-



Feature name	Feature condition	Date of assessment
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-
Littoral sediment	Favourable	07/01/2021
Redshank, <i>Tringa totanus</i> - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, <i>Tringa totanus</i> - Passage	-	-
Redshank, <i>Tringa totanus</i> - Wintering	-	-
River lamprey, <i>Lampetra fluviatilis</i> - Passage	-	-
Ruff, <i>Calidris pugnax</i> - A151, nb	Unfavourable - No change	29/03/2022
S1095 Sea lamprey, <i>Petromyzon marinus</i>	-	-
S1099 River lamprey, <i>Lampetra fluviatilis</i>	-	-
SM4-28 - Saltmarsh	-	-
Sea lamprey, <i>Petromyzon marinus</i> - Passage	-	-
Sea lamprey, <i>Petromyzon marinus</i>	-	-
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

**ID:** 8  
**Location:** 284m NE  
**SSSI name:** Humber Estuary  
**Unit name:** Barton Central Foreshore  
**Broad habitat:** Fen, Marsh And Swamp - Lowland  
**Condition:** Unfavourable - Recovering  
**Reportable features:**

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Brent goose (dark-bellied), Branta bernicla bernicla	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, Calidris canutus	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, Calidris alba	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, Arenaria interpres	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, Numenius phaeopus	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Avocet, Recurvirostra avosetta - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, Limosa lapponica - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, Limosa lapponica - Wintering	-	-
Black-tailed godwit, Limosa limosa - Wintering	-	-
Black-tailed godwit, Limosa limosa islandica - A616, nb	Favourable	29/03/2022
Dunlin, Calidris alpina - Passage	-	-
Dunlin, Calidris alpina - Wintering	-	-
Dunlin, Calidris alpina alpina - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-



Feature name	Feature condition	Date of assessment
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1130 Estuaries	-	-
H1310 <i>Salicornia</i> and other annuals colonising mud and sand	-	-
H1330 Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-
Marsh Harrier, <i>Circus aeruginosus</i> - A081, b	Favourable	21/04/2022
Redshank, <i>Tringa totanus</i> - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, <i>Tringa totanus</i> - Passage	-	-
Redshank, <i>Tringa totanus</i> - Wintering	-	-
Ruff, <i>Calidris pugnax</i> - A151, nb	Unfavourable - No change	29/03/2022
SM4-28 - Saltmarsh	Unfavourable - Recovering	10/08/2010
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: 9  
 Location: 292m NE  
 SSSI name: Humber Estuary  
 Unit name: Barton Central Flats  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-
Littoral sediment	Unfavourable - Recovering	21/12/2010
Redshank, <i>Tringa totanus</i> - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, <i>Tringa totanus</i> - Passage	-	-
Redshank, <i>Tringa totanus</i> - Wintering	-	-
River lamprey, <i>Lampetra fluviatilis</i> - Passage	-	-
River lamprey, <i>Lampetra fluviatilis</i>	-	-
Ruff, <i>Calidris pugnax</i> - A151, nb	Unfavourable - No change	29/03/2022
S1095 Sea lamprey, <i>Petromyzon marinus</i>	-	-
S1099 River lamprey, <i>Lampetra fluviatilis</i>	-	-
Sea lamprey, <i>Petromyzon marinus</i> - Passage	-	-
Sea lamprey, <i>Petromyzon marinus</i>	-	-
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022



ID: 10  
 Location: 352m W  
 SSSI name: Humber Estuary  
 Unit name: Outdoor Pursuits Pit  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Declining  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Bittern, <i>Botaurus stellaris</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, <i>Aythya marila</i>	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Bittern, <i>Botaurus stellaris</i> - A021, b	Favourable	21/04/2022
Bittern, <i>Botaurus stellaris</i> - A021, nb	Favourable	29/03/2022
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Eutrophic lakes	Unfavourable - Declining	18/07/2013
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-
Marsh Harrier, <i>Circus aeruginosus</i> - A081, b	Favourable	21/04/2022
Redshank, <i>Tringa totanus</i> - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, <i>Tringa totanus</i> - Passage	-	-
Redshank, <i>Tringa totanus</i> - Wintering	-	-
Ruff, <i>Calidris pugnax</i> - A151, nb	Unfavourable - No change	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Waterbird assemblage - Wintering	-	-



Feature name	Feature condition	Date of assessment
Waterbird assemblage	Favourable	29/03/2022

ID: 12  
 Location: 544m N  
 SSSI name: Humber Estuary  
 Unit name: South Channel Barton  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Estuaries	Unfavourable - Recovering	06/04/2010
Estuary	-	-
H1110 Sandbanks which are slightly covered by sea water all the time	-	-
H1130 Estuaries	-	-
River lamprey, Lampetra fluviatilis - Passage	-	-
River lamprey, Lampetra fluviatilis	Unfavourable - Recovering	06/04/2010
S1095 Sea lamprey, Petromyzon marinus	-	-
S1099 River lamprey, Lampetra fluviatilis	-	-
Sea lamprey, Petromyzon marinus - Passage	-	-
Sea lamprey, Petromyzon marinus	Unfavourable - Recovering	06/04/2010
Waterbird assemblage - Wintering	-	-

ID: 13  
 Location: 682m W  
 SSSI name: Humber Estuary  
 Unit name: Westfield Lakes  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Declining  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, Recurvirostra avosetta	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, Limosa lapponica	Unfavourable - Declining	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, <i>Botaurus stellaris</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, <i>Aythya marila</i>	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Bittern, <i>Botaurus stellaris</i> - A021, b	Favourable	21/04/2022
Bittern, <i>Botaurus stellaris</i> - A021, nb	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Black-tailed godwit, Limosa limosa - Wintering	-	-
Black-tailed godwit, Limosa limosa islandica - A616, nb	Favourable	29/03/2022
Dunlin, Calidris alpina - Passage	-	-
Dunlin, Calidris alpina - Wintering	-	-
Dunlin, Calidris alpina alpina - A672, nb	Unfavourable - No change	29/03/2022
Eutrophic lakes	Unfavourable - Declining	18/07/2013
Golden plover, Pluvialis apricaria - A140, nb	Favourable	29/03/2022
Golden plover, Pluvialis apricaria - Passage	-	-
Golden plover, Pluvialis apricaria - Wintering	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Knot, Calidris canutus - A143, nb	Favourable	29/03/2022
Knot, Calidris canutus - Passage	-	-
Knot, Calidris canutus - Wintering	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Redshank, Tringa totanus - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, Tringa totanus - Passage	-	-
Redshank, Tringa totanus - Wintering	-	-
Ruff, Calidris pugnax - A151, nb	Unfavourable - No change	29/03/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

**ID:** 16  
**Location:** 714m W  
**SSSI name:** Humber Estuary  
**Unit name:** Far Ings East Drain  
**Broad habitat:** Boundary And Linear Features  
**Condition:** Favourable  
**Reportable features:**



Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Eutrophic lakes	-	-
Invert. assemblage W2 mineral marsh & open water	-	-

ID: 17  
 Location: 787m NE  
 SSSI name: Humber Estuary  
 Unit name: Humber Bridge To Grimsby Dock Subtidal  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Estuaries	Unfavourable - Recovering	21/12/2010
Estuary	-	-
H1110 Sandbanks which are slightly covered by sea water all the time	-	-
H1130 Estuaries	-	-
River lamprey, <i>Lampetra fluviatilis</i> - Passage	-	-
River lamprey, <i>Lampetra fluviatilis</i>	Unfavourable - Recovering	21/12/2010
S1095 Sea lamprey, <i>Petromyzon marinus</i>	-	-
S1099 River lamprey, <i>Lampetra fluviatilis</i>	-	-
Sea lamprey, <i>Petromyzon marinus</i> - Passage	-	-
Sea lamprey, <i>Petromyzon marinus</i>	Unfavourable - Recovering	21/12/2010
Waterbird assemblage - Wintering	-	-

ID: A  
 Location: 915m E  
 SSSI name: Humber Estuary  
 Unit name: Watersedge West Pit  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Declining  
 Reportable features:



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Scaup, Aythya marila	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Bittern, Botaurus stellaris - A021, nb	Favourable	29/03/2022
Eutrophic lakes	Unfavourable - Declining	18/07/2013
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

**ID:** 19  
**Location:** 1023m W  
**SSSI name:** Humber Estuary  
**Unit name:** Far Ings  
**Broad habitat:** Standing Open Water And Canals  
**Condition:** Unfavourable - Declining  
**Reportable features:**

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, Recurvirostra avosetta	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, Limosa lapponica	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, <i>Aythya marila</i>	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, b	Favourable	17/01/2023
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Bittern, <i>Botaurus stellaris</i> - A021, b	Favourable	21/04/2022
Bittern, <i>Botaurus stellaris</i> - A021, nb	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Black-tailed godwit, Limosa limosa - Wintering	-	-
Black-tailed godwit, Limosa limosa islandica - A616, nb	Favourable	29/03/2022
Dunlin, Calidris alpina - Passage	-	-
Dunlin, Calidris alpina - Wintering	-	-
Dunlin, Calidris alpina alpina - A672, nb	Unfavourable - No change	29/03/2022
Estuary	-	-
Eutrophic lakes	Unfavourable - Declining	20/03/2015
Golden plover, Pluvialis apricaria - A140, nb	Favourable	29/03/2022
Golden plover, Pluvialis apricaria - Passage	-	-
Golden plover, Pluvialis apricaria - Wintering	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Invert. assemblage W2 mineral marsh & open water	-	-
Knot, Calidris canutus - A143, nb	Favourable	29/03/2022
Knot, Calidris canutus - Passage	-	-
Knot, Calidris canutus - Wintering	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Redshank, Tringa totanus - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, Tringa totanus - Passage	-	-
Redshank, Tringa totanus - Wintering	-	-
Ruff, Calidris pugnax - A151, nb	Unfavourable - No change	29/03/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

**ID:** 20  
**Location:** 1042m W  
**SSSI name:** Humber Estuary  
**Unit name:** Blow Wells Plantation  
**Broad habitat:** Boundary And Linear Features  
**Condition:** Favourable



## Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Eutrophic lakes	-	-
Invert. assemblage W2 mineral marsh & open water	-	-

ID: 21  
 Location: 1101m W  
 SSSI name: Humber Estuary  
 Unit name: Far Ings West Drain  
 Broad habitat: Boundary And Linear Features  
 Condition: Favourable  
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Eutrophic lakes	-	-
Invert. assemblage W2 mineral marsh & open water	-	-

ID: 22  
 Location: 1166m N  
 SSSI name: Humber Estuary  
 Unit name: Blacktoft Channel North  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	Unfavourable - Recovering	21/12/2010
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1110 Sandbanks which are slightly covered by sea water all the time	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-



Feature name	Feature condition	Date of assessment
Knot, Calidris canutus - A143, nb	Favourable	29/03/2022
Knot, Calidris canutus - Passage	-	-
Knot, Calidris canutus - Wintering	-	-
Littoral sediment	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Redshank, Tringa totanus - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, Tringa totanus - Passage	-	-
Redshank, Tringa totanus - Wintering	-	-
River lamprey, Lampetra fluviatilis - Passage	-	-
River lamprey, Lampetra fluviatilis	Unfavourable - Recovering	21/12/2010
Ruff, Calidris pugnax - A151, nb	Unfavourable - No change	29/03/2022
S1095 Sea lamprey, Petromyzon marinus	-	-
S1099 River lamprey, Lampetra fluviatilis	-	-
Sea lamprey, Petromyzon marinus - Passage	-	-
Sea lamprey, Petromyzon marinus	Unfavourable - Recovering	21/12/2010
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

**ID:** 23  
**Location:** 1170m E  
**SSSI name:** Humber Estuary  
**Unit name:** Watersedge East Pit  
**Broad habitat:** Standing Open Water And Canals  
**Condition:** Unfavourable - Declining  
**Reportable features:**

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, <i>Aythya marila</i>	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Bittern, <i>Botaurus stellaris</i> - A021, nb	Favourable	29/03/2022
Eutrophic lakes	Unfavourable - Declining	18/07/2013
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Marsh Harrier, <i>Circus aeruginosus</i> - A081, b	Favourable	21/04/2022
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: 24  
 Location: 1343m E  
 SSSI name: Humber Estuary  
 Unit name: Pasture House Fishery  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Declining



## Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, Charadrius hiaticula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, Aythya marila	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, Numenius phaeopus	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Bittern, Botaurus stellaris - A021, nb	Favourable	29/03/2022
Eutrophic lakes	Unfavourable - Declining	20/03/2015
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022



ID: -  
 Location: 1401m E  
 SSSI name: Humber Estuary  
 Unit name: Victory  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Declining  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, Charadrius hiaticula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, Aythya marila	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, Numenius phaeopus	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Bittern, Botaurus stellaris - A021, nb	Favourable	29/03/2022
Eutrophic lakes	Unfavourable - Declining	18/07/2013
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -  
 Location: 1401m E  
 SSSI name: Humber Estuary  
 Unit name: Carp Fishery  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Declining  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, Charadrius hiaticula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, Aythya marila	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, Numenius phaeopus	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022



Feature name	Feature condition	Date of assessment
Bittern, Botaurus stellaris - A021, nb	Favourable	29/03/2022
Eutrophic lakes	Unfavourable - Declining	18/07/2013
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -  
 Location: 1409m E  
 SSSI name: Humber Estuary  
 Unit name: Pioneer  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, Charadrius hiaticula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, Aythya marila	Unfavourable - Recovering	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, Numenius phaeopus	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Bittern, Botaurus stellaris - A021, nb	Favourable	29/03/2022
Eutrophic lakes	Unfavourable - Recovering	18/07/2013
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Invert. assemblage W2 mineral marsh & open water	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -  
 Location: 1411m E  
 SSSI name: Humber Estuary  
 Unit name: Jubilee Pit  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, Charadrius hiaticula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, Aythya marila	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, Numenius phaeopus	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Bittern, Botaurus stellaris - A021, nb	Favourable	29/03/2022
Eutrophic lakes	Unfavourable - No change	18/07/2013
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

**ID:** 29  
**Location:** 1413m W  
**SSSI name:** Humber Estuary  
**Unit name:** Target Lake  
**Broad habitat:** Standing Open Water And Canals  
**Condition:** Unfavourable - Declining  
**Reportable features:**

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, Recurvirostra avosetta	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, Limosa lapponica	Unfavourable - Declining	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, <i>Botaurus stellaris</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, <i>Aythya marila</i>	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Bittern, <i>Botaurus stellaris</i> - A021, b	Favourable	21/04/2022
Bittern, <i>Botaurus stellaris</i> - A021, nb	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Black-tailed godwit, Limosa limosa - Wintering	-	-
Black-tailed godwit, Limosa limosa islandica - A616, nb	Favourable	29/03/2022
Dunlin, Calidris alpina - Passage	-	-
Dunlin, Calidris alpina - Wintering	-	-
Dunlin, Calidris alpina alpina - A672, nb	Unfavourable - No change	29/03/2022
Estuary	-	-
Eutrophic lakes	Unfavourable - Declining	18/07/2013
Golden plover, Pluvialis apricaria - A140, nb	Favourable	29/03/2022
Golden plover, Pluvialis apricaria - Passage	-	-
Golden plover, Pluvialis apricaria - Wintering	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Invert. assemblage W2 mineral marsh & open water	-	-
Knot, Calidris canutus - A143, nb	Favourable	29/03/2022
Knot, Calidris canutus - Passage	-	-
Knot, Calidris canutus - Wintering	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Redshank, Tringa totanus - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, Tringa totanus - Passage	-	-
Redshank, Tringa totanus - Wintering	-	-
Ruff, Calidris pugnax - A151, nb	Unfavourable - No change	29/03/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -  
 Location: 1514m E  
 SSSI name: Humber Estuary  
 Unit name: Barton Eastern Foreshore  
 Broad habitat: Fen, Marsh And Swamp - Lowland  
 Condition: Unfavourable - Recovering



## Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, <i>Aythya marila</i>	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-



Feature name	Feature condition	Date of assessment
Black-tailed godwit, Limosa limosa - Wintering	-	-
Black-tailed godwit, Limosa limosa islandica - A616, nb	Favourable	29/03/2022
Dunlin, Calidris alpina - Passage	-	-
Dunlin, Calidris alpina - Wintering	-	-
Dunlin, Calidris alpina alpina - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-
Estuary	-	-
Golden plover, Pluvialis apricaria - A140, nb	Favourable	29/03/2022
Golden plover, Pluvialis apricaria - Passage	-	-
Golden plover, Pluvialis apricaria - Wintering	-	-
H1130 Estuaries	-	-
H1310 Salicornia and other annuals colonising mud and sand	-	-
H1330 Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Knot, Calidris canutus - A143, nb	Favourable	29/03/2022
Knot, Calidris canutus - Passage	-	-
Knot, Calidris canutus - Wintering	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Redshank, Tringa totanus - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, Tringa totanus - Passage	-	-
Redshank, Tringa totanus - Wintering	-	-
Ruff, Calidris pugnax - A151, nb	Unfavourable - No change	29/03/2022
SM4-28 - Saltmarsh	Favourable	21/12/2010
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022



ID: -  
 Location: 1626m E  
 SSSI name: Humber Estuary  
 Unit name: Hoe Hill  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Declining  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, Charadrius hiaticula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, Aythya marila	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, Numenius phaeopus	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Bittern, Botaurus stellaris - A021, b	Favourable	21/04/2022
Bittern, Botaurus stellaris - A021, nb	Favourable	29/03/2022
Eutrophic lakes	Unfavourable - Declining	20/03/2015
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022



Feature name	Feature condition	Date of assessment
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -  
 Location: 1709m W  
 SSSI name: Humber Estuary  
 Unit name: Ferriby Cliff  
 Broad habitat: Littoral Sediment  
 Condition: Favourable  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, Recurvirostra avosetta	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, Limosa lapponica	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, Limosa limosa islandica	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), Branta bernicla bernicla	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, Calidris canutus	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
H1310 <i>Salicornia</i> and other annuals colonising mud and sand	-	-
H1330 Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-
Littoral sediment	Favourable	07/01/2021



Feature name	Feature condition	Date of assessment
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Redshank, Tringa totanus - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, Tringa totanus - Passage	-	-
Redshank, Tringa totanus - Wintering	-	-
Ruff, Calidris pugnax - A151, nb	Unfavourable - No change	29/03/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -  
 Location: 1726m W  
 SSSI name: Humber Estuary  
 Unit name: Whitton Channel South  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, Recurvirostra avosetta	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, Limosa lapponica	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, Limosa limosa islandica	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), Branta bernicla bernicla	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, Calidris canutus	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	Unfavourable - Recovering	06/04/2010
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1110 Sandbanks which are slightly covered by sea water all the time	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
H1310 Salicornia and other annuals colonising mud and sand	-	-
H1330 Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> )	-	-
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Knot, Calidris canutus - Passage	-	-
Knot, Calidris canutus - Wintering	-	-
Littoral sediment	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Redshank, Tringa totanus - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, Tringa totanus - Passage	-	-
Redshank, Tringa totanus - Wintering	-	-
River lamprey, Lampetra fluviatilis - Passage	-	-
River lamprey, Lampetra fluviatilis	Unfavourable - Recovering	06/04/2010
Ruff, Calidris pugnax - A151, nb	Unfavourable - No change	29/03/2022
S1095 Sea lamprey, Petromyzon marinus	-	-
S1099 River lamprey, Lampetra fluviatilis	-	-
SM4-28 - Saltmarsh	-	-
Sea lamprey, Petromyzon marinus - Passage	-	-
Sea lamprey, Petromyzon marinus	Unfavourable - Recovering	06/04/2010
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Vascular plant assemblage	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -  
 Location: 1791m N  
 SSSI name: Humber Estuary  
 Unit name: Redcliff Sand East  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, Recurvirostra avosetta	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bar-tailed godwit, Limosa lapponica	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, Limosa limosa islandica	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), Branta bernicla bernicla	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, Calidris canutus	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, Charadrius hiaticula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Sanderling, Calidris alba	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, Arenaria interpres	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, Numenius phaeopus	Favourable	29/03/2022
Avocet, Recurvirostra avosetta - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, Limosa lapponica - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, Limosa lapponica - Wintering	-	-
Black-tailed godwit, Limosa limosa - Wintering	-	-
Black-tailed godwit, Limosa limosa islandica - A616, nb	Favourable	29/03/2022
Dunlin, Calidris alpina - Passage	-	-
Dunlin, Calidris alpina - Wintering	-	-
Dunlin, Calidris alpina alpina - A672, nb	Unfavourable - No change	29/03/2022



Feature name	Feature condition	Date of assessment
Estuaries	-	-
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-
Littoral sediment	Favourable	21/12/2010
Redshank, <i>Tringa totanus</i> - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, <i>Tringa totanus</i> - Passage	-	-
Redshank, <i>Tringa totanus</i> - Wintering	-	-
River lamprey, <i>Lampetra fluviatilis</i> - Passage	-	-
River lamprey, <i>Lampetra fluviatilis</i>	-	-
Ruff, <i>Calidris pugnax</i> - A151, nb	Unfavourable - No change	29/03/2022
S1095 Sea lamprey, <i>Petromyzon marinus</i>	-	-
S1099 River lamprey, <i>Lampetra fluviatilis</i>	-	-
Sea lamprey, <i>Petromyzon marinus</i> - Passage	-	-
Sea lamprey, <i>Petromyzon marinus</i>	-	-
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022



ID: -  
 Location: 1820m E  
 SSSI name: Humber Estuary  
 Unit name: Pasture Wharf  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Declining  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, <i>Botaurus stellaris</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, <i>Bucephala clangula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, <i>Aythya ferina</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Scaup, <i>Aythya marila</i>	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Bittern, <i>Botaurus stellaris</i> - A021, b	Favourable	21/04/2022
Bittern, <i>Botaurus stellaris</i> - A021, nb	Favourable	29/03/2022
Eutrophic lakes	Unfavourable - Declining	20/03/2015
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Invert. assemblage W2 mineral marsh & open water	-	-

Feature name	Feature condition	Date of assessment
Marsh Harrier, <i>Circus aeruginosus</i> - A081, b	Favourable	21/04/2022
Shelduck, <i>Tadorna tadorna</i> - A048, nb	Favourable	29/03/2022
Shelduck, <i>Tadorna tadorna</i> - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -  
 Location: 1846m N  
 SSSI name: Humber Estuary  
 Unit name: Humber Bridge To Hessle Haven  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, <i>Limosa lapponica</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Greenshank, <i>Tringa nebularia</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, <i>Calidris canutus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, <i>Vanellus vanellus</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, <i>Haematopus ostralegus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Unfavourable - No change	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-
Littoral sediment	-	-
Redshank, <i>Tringa totanus</i> - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, <i>Tringa totanus</i> - Passage	-	-
Redshank, <i>Tringa totanus</i> - Wintering	-	-
Ruff, <i>Calidris pugnax</i> - A151, nb	Unfavourable - No change	29/03/2022



Feature name	Feature condition	Date of assessment
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -  
 Location: 1970m E  
 SSSI name: Humber Estuary  
 Unit name: Barton Eastern Flats  
 Broad habitat: Littoral Sediment  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Avocet, Recurvirostra avosetta	Favourable	29/03/2022
Aggregations of non-breeding birds - Bar-tailed godwit, Limosa lapponica	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, Limosa limosa islandica	Favourable	29/03/2022
Aggregations of non-breeding birds - Brent goose (dark-bellied), Branta bernicla bernicla	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Knot, Calidris canutus	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ruff, Philomachus pugnax	Unfavourable - No change	29/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Sanderling, <i>Calidris alba</i>	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, <i>Numenius phaeopus</i>	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	29/03/2022
Avocet, <i>Recurvirostra avosetta</i> - A132-A, nb	Favourable	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - A157, nb	Unfavourable - Declining	29/03/2022
Bar-tailed godwit, <i>Limosa lapponica</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa</i> - Wintering	-	-
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	Favourable	29/03/2022
Dunlin, <i>Calidris alpina</i> - Passage	-	-
Dunlin, <i>Calidris alpina</i> - Wintering	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	Unfavourable - No change	29/03/2022
Estuaries	-	-
Estuary	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	Favourable	29/03/2022
Golden plover, <i>Pluvialis apricaria</i> - Passage	-	-
Golden plover, <i>Pluvialis apricaria</i> - Wintering	-	-
H1130 Estuaries	-	-
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-
Littoral sediment	Favourable	21/12/2010
Redshank, <i>Tringa totanus</i> - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, <i>Tringa totanus</i> - Passage	-	-
Redshank, <i>Tringa totanus</i> - Wintering	-	-



Feature name	Feature condition	Date of assessment
River lamprey, Lampetra fluviatilis - Passage	-	-
River lamprey, Lampetra fluviatilis	-	-
Ruff, Calidris pugnax - A151, nb	Unfavourable - No change	29/03/2022
S1095 Sea lamprey, Petromyzon marinus	-	-
S1099 River lamprey, Lampetra fluviatilis	-	-
Sea lamprey, Petromyzon marinus - Passage	-	-
Sea lamprey, Petromyzon marinus	-	-
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: -  
 Location: 1973m E  
 SSSI name: Humber Estuary  
 Unit name: Sailing Pit Club  
 Broad habitat: Standing Open Water And Canals  
 Condition: Unfavourable - Declining  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Favourable	29/03/2022
Aggregations of non-breeding birds - Goldeneye, Bucephala clangula	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Greenshank, Tringa nebularia	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	29/03/2022
Aggregations of non-breeding birds - Lapwing, Vanellus vanellus	Unfavourable - No change	29/03/2022
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	29/03/2022
Aggregations of non-breeding birds - Pochard, Aythya ferina	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Ringed plover, Charadrius hiaticula	Unfavourable - Declining	29/03/2022

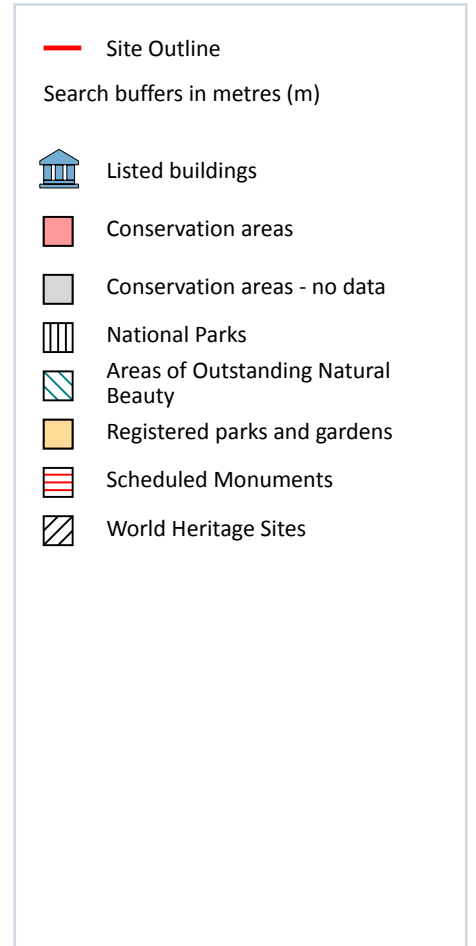


Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Scaup, Aythya marila	Unfavourable - Recovering	29/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	29/03/2022
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	29/03/2022
Aggregations of non-breeding birds - Turnstone, Arenaria interpres	Unfavourable - Declining	29/03/2022
Aggregations of non-breeding birds - Whimbrel, Numenius phaeopus	Favourable	29/03/2022
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	29/03/2022
Assemblages of breeding birds - Lowland open waters and their margins	Favourable	21/04/2022
Bittern, Botaurus stellaris - A021, nb	Favourable	29/03/2022
Eutrophic lakes	Unfavourable - Declining	20/03/2015
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Marsh Harrier, Circus aeruginosus - A081, b	Favourable	21/04/2022
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

*This data is sourced from Natural England and Natural Resources Wales.*



## 11 Visual and cultural designations



### 11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

*This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.*

## 11.4 Listed Buildings

Records within 250m

5

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on [page 122 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
A	65m N	Old Kiln (To West), Lobby And Chimney At William Blyth Ings Yard	II	1391190	05/11/2004
1	67m N	Mill House At William Blyth Ings Yard.	II	1391191	05/11/2004
A	69m N	Old Kiln (To West), Lobby And Chimney At William Blyth Ings Yard	II	1391190	05/11/2004
2	111m NE	Drying Shed To South East Of Cottages At William Blyth Ings Yard	II	1391189	05/11/2004

ID	Location	Name	Grade	Reference Number	Listed date
3	131m NE	French Shed, Cottages And Attached Drying Shed, Workshop And Stables At William Blyth Ings Yard	II	1390935	05/11/2004

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.5 Conservation Areas

Records within 250m

0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.7 Registered Parks and Gardens

Records within 250m

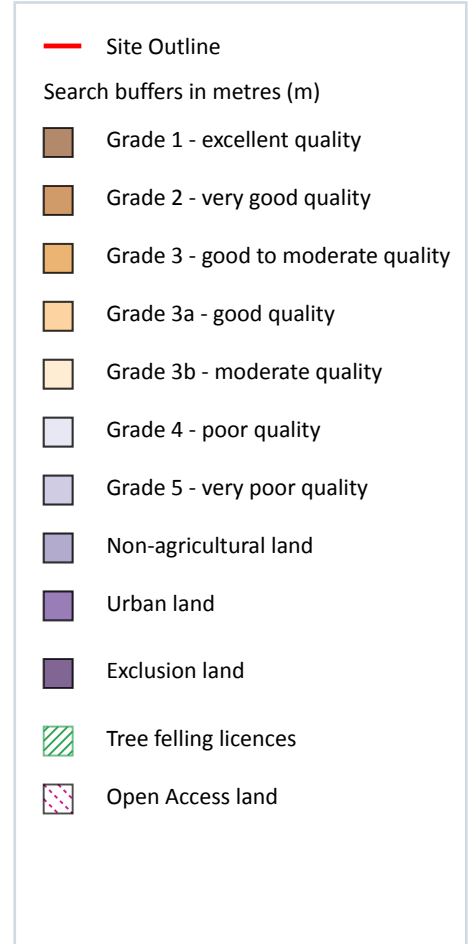
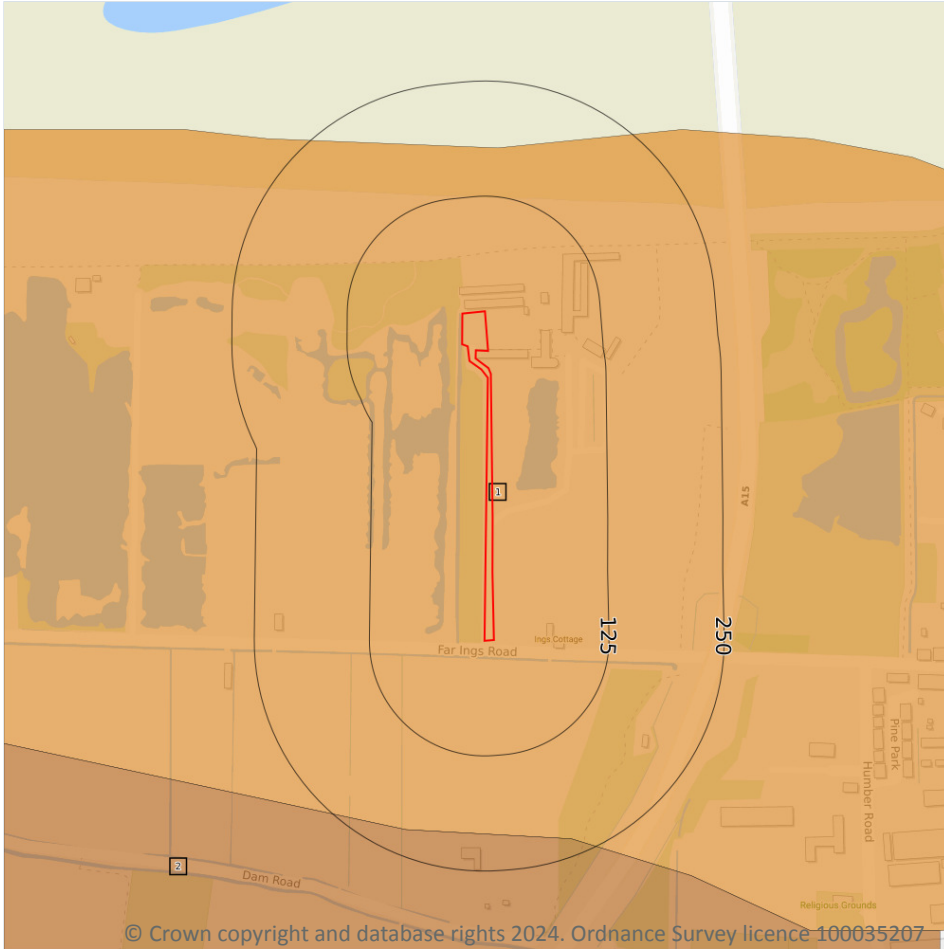
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*



## 12 Agricultural designations



### 12.1 Agricultural Land Classification

Records within 250m

2

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 125 >](#)

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

ID	Location	Classification	Description
2	209m S	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

*This data is sourced from Natural England.*

## 12.2 Open Access Land

**Records within 250m**

**0**

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

*This data is sourced from Natural England and Natural Resources Wales.*

## 12.3 Tree Felling Licences

**Records within 250m**

**0**

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

**Records within 250m**

**1**

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

Location	Reference	Scheme	Start Date	End date
1m N	AG00287552	Higher Level Stewardship	01/04/2009	31/03/2023

*This data is sourced from Natural England.*



## 12.5 Countryside Stewardship Schemes

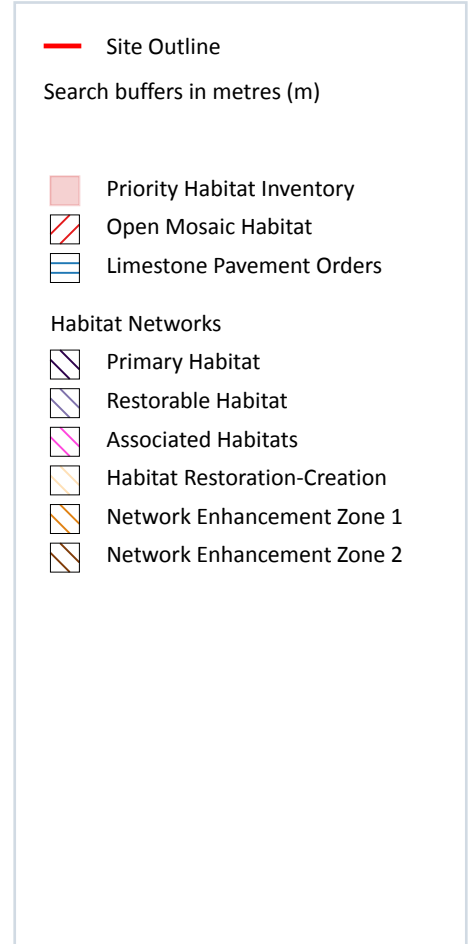
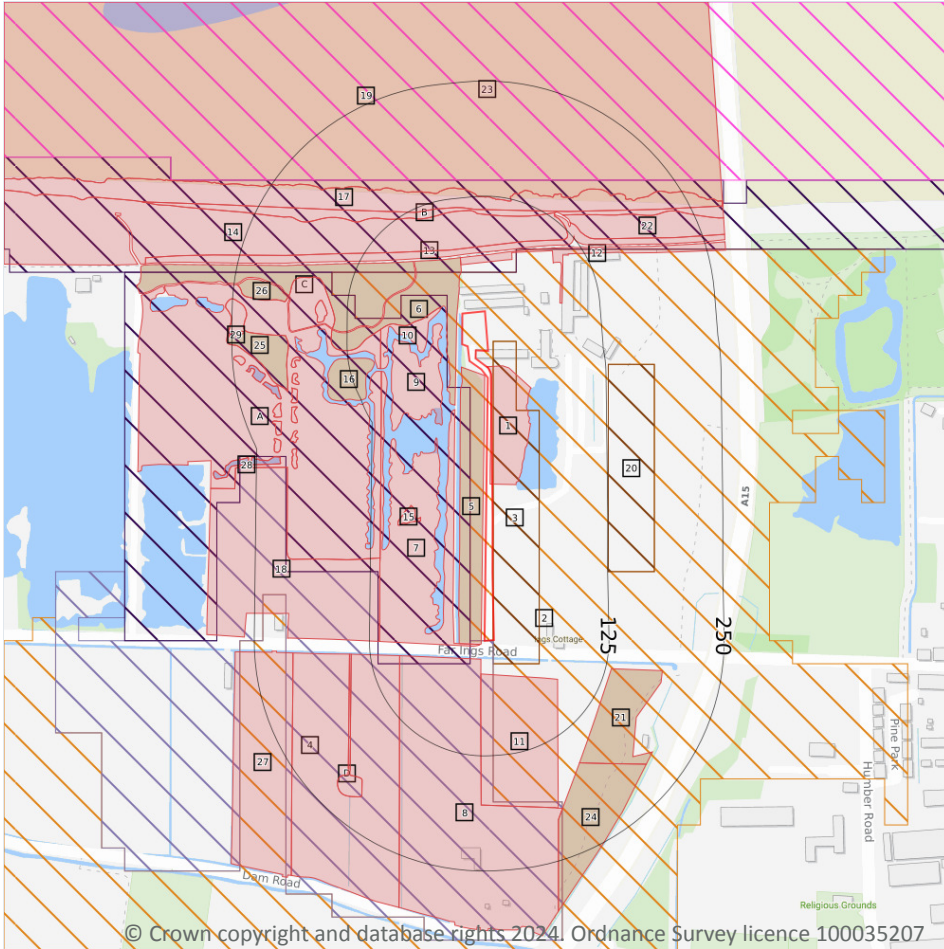
Records within 250m

0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

*This data is sourced from Natural England.*

## 13 Habitat designations



### 13.1 Priority Habitat Inventory

Records within 250m

43

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on [page 128 >](#)

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	1m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	6m N	Deciduous woodland	Main habitat: RBEDS (INV > 50%); DWOOD (INV > 50%)
7	6m S	Reedbeds	Main habitat: RBEDS (INV > 50%)

ID	Location	Main Habitat	Other habitats
8	20m S	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
9	22m N	Reedbeds	Main habitat: RBEDS (INV > 50%)
10	24m N	Reedbeds	Main habitat: RBEDS (INV > 50%)
11	36m S	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
12	53m N	No main habitat but additional habitats present	Additional: SALTM (ENSIS L2)
13	63m N	Coastal saltmarsh	Main habitat: RBEDS (INV > 50%); SALTM (INV > 50%)
C	64m NW	Deciduous woodland	Main habitat: RBEDS (INV > 50%, FEP + HLS); DWOOD (INV > 50%); Additional: SALTM (ENSIS L2)
14	70m N	Coastal saltmarsh	Main habitat: RBEDS (INV > 50%); SALTM (INV > 50%)
15	71m SW	No main habitat but additional habitats present	Additional: RBEDS (FEP 50%)
A	89m NW	Reedbeds	Main habitat: RBEDS (INV > 50%, FEP + HLS)
D	94m S	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
16	98m NW	Reedbeds	Main habitat: RBEDS (FEP + HLS)
B	105m N	Coastal saltmarsh	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); MUDFL (INV > 50%); SALTM (INV > 50%)
17	110m N	Coastal saltmarsh	Main habitat: LFENS (INV > 50%); MUDFL (INV > 50%); SALTM (INV > 50%)
18	114m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); RBEDS (INV > 50%)
19	122m N	Mudflats	Main habitat: LFENS (INV > 50%); MUDFL (INV > 50%)
21	131m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
22	134m N	Coastal saltmarsh	Main habitat: LFENS (INV > 50%); RBEDS (INV > 50%); SALTM (INV > 50%)
C	139m NW	Reedbeds	Main habitat: RBEDS (INV > 50%, FEP + HLS)
D	145m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
C	147m NW	Reedbeds	Main habitat: RBEDS (FEP + HLS)
24	163m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
A	177m NW	Reedbeds	Main habitat: RBEDS (FEP + HLS)
A	182m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
A	186m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
25	189m NW	Reedbeds	Main habitat: RBEDS (INV > 50%, FEP + HLS)
26	190m NW	Reedbeds	Main habitat: RBEDS (INV > 50%, FEP + HLS)
A	192m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
A	202m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
A	205m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
A	206m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
A	207m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
27	208m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
A	213m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
A	216m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
A	223m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
28	224m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
A	236m W	Reedbeds	Main habitat: RBEDS (FEP + HLS)
29	237m NW	Reedbeds	Main habitat: RBEDS (FEP + HLS)

This data is sourced from Natural England.

## 13.2 Habitat Networks

**Records within 250m**

**7**

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on [page 128 >](#)

ID	Location	Type	Habitat
2	On site	Network Enhancement Zone 1	Not specified
3	On site	Network Enhancement Zone 2	Not specified
4	On site	Restorable Habitat	Not specified



ID	Location	Type	Habitat
A	16m S	Primary Habitat	Reedbeds
B	42m N	Primary Habitat	Saltmarsh
20	126m SE	Network Enhancement Zone 2	Not specified
23	142m N	Associated Habitats	Other associated habitats

*This data is sourced from Natural England.*

### 13.3 Open Mosaic Habitat

**Records within 250m**

**0**

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

*This data is sourced from Natural England.*

### 13.4 Limestone Pavement Orders

**Records within 250m**

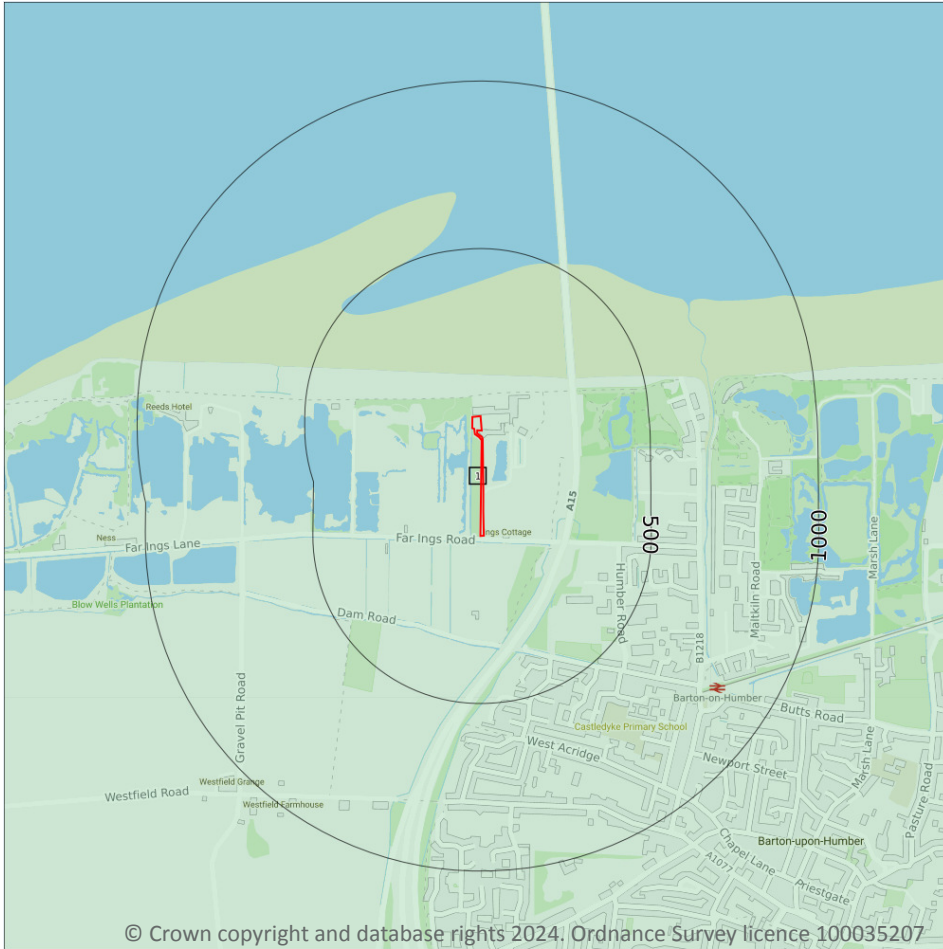
**0**

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

*This data is sourced from Natural England.*



## 14 Geology 1:10,000 scale - Availability



— Site Outline  
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

### 14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

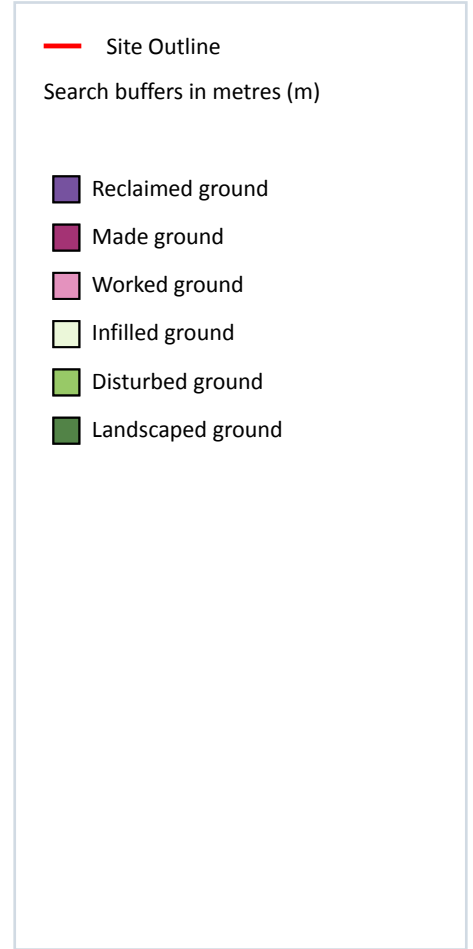
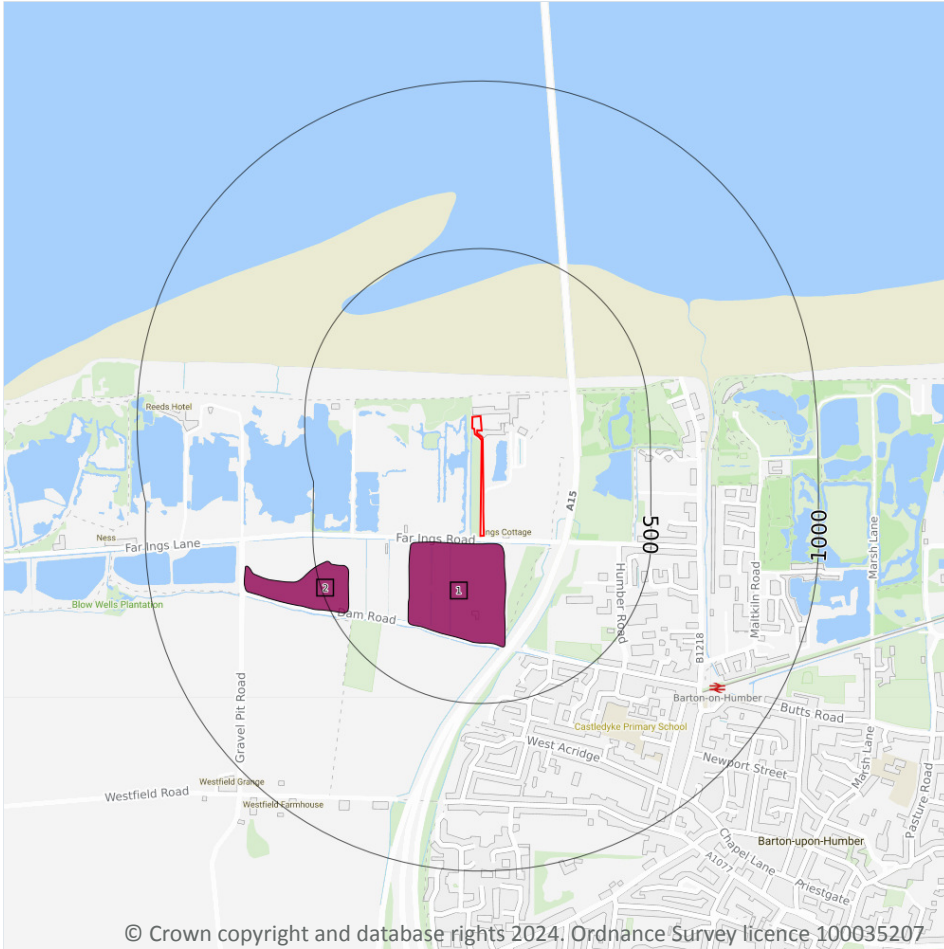
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 132](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	TA02SW

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Artificial and made ground



### 14.2 Artificial and made ground (10k)

Records within 500m

2

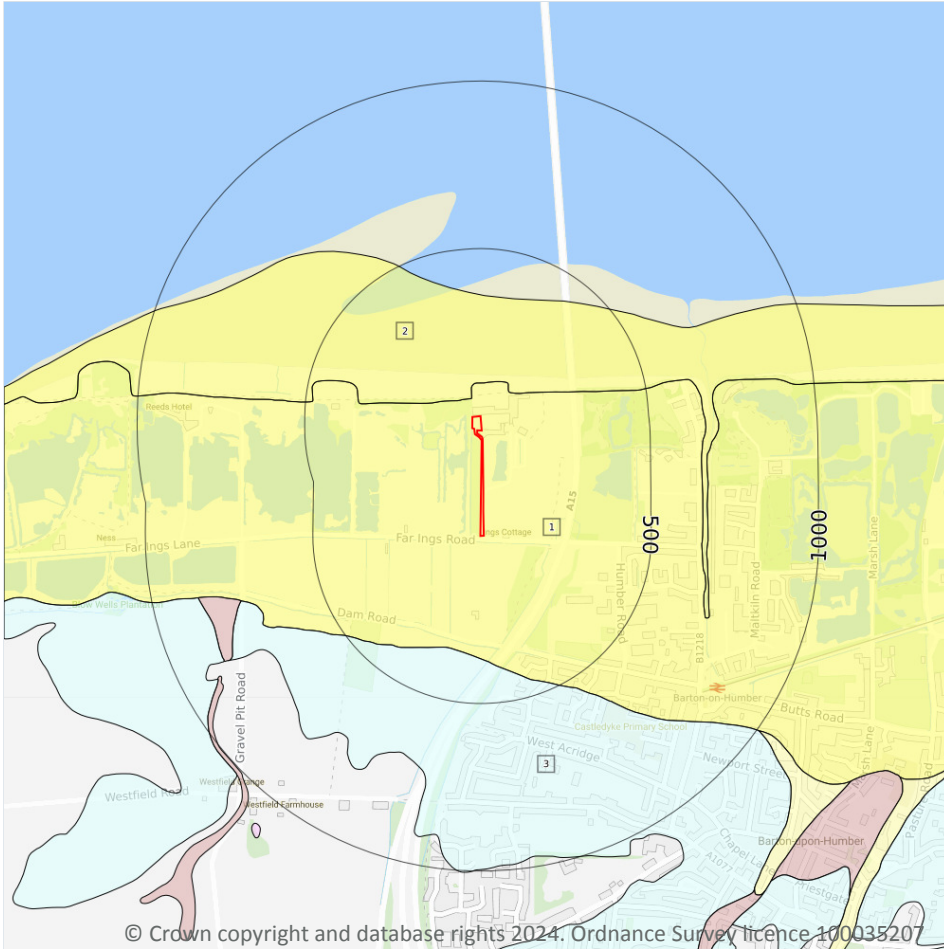
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 133 >](#)

ID	Location	LEX Code	Description	Rock description
1	24m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	407m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

*This data is sourced from the British Geological Survey.*

## Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)  
Please see table for more details.

### 14.3 Superficial geology (10k)

#### Records within 500m

3

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 134](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TFD-XCZ	Tidal Flat Deposits - Clay And Silt	Clay And Silt
2	55m N	TFD-XCZ	Tidal Flat Deposits - Clay And Silt	Clay And Silt
3	347m S	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.



## 14.4 Landslip (10k)

Records within 500m

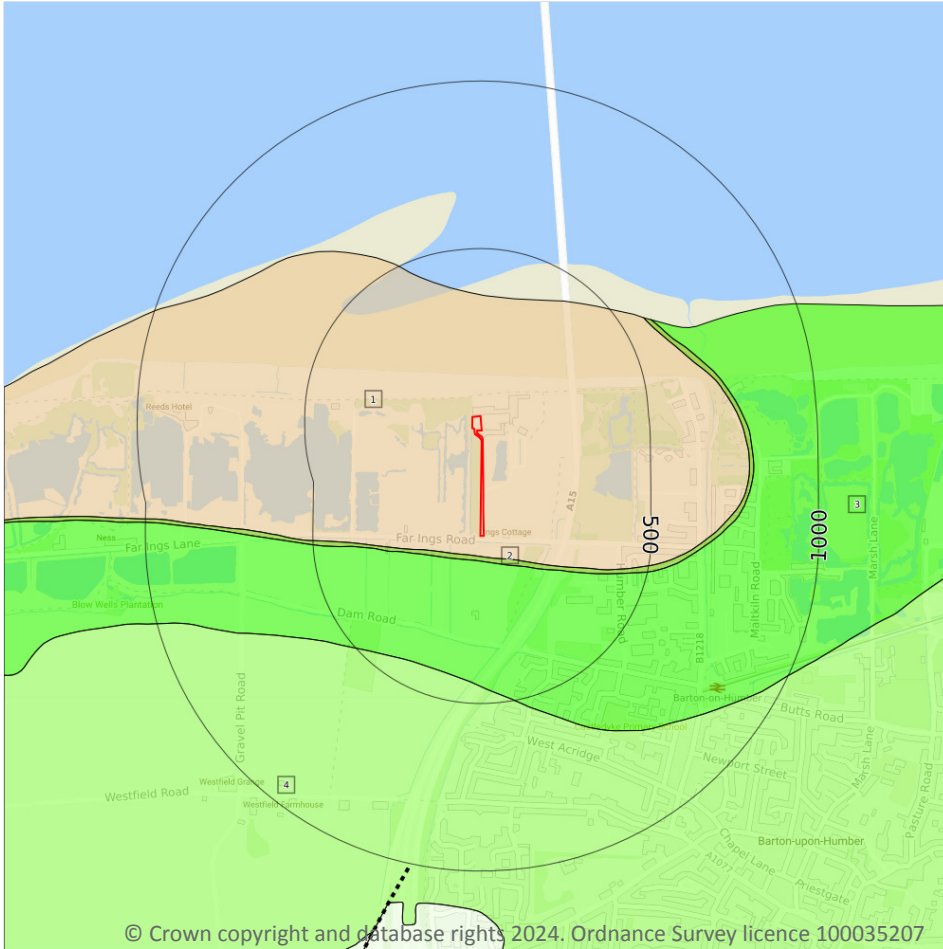
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)  
Please see table for more details.

### 14.5 Bedrock geology (10k)

Records within 500m

4

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 136](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	AMG-MDSI	Ancholme Group - Mudstone And Siltstone	Kimmeridgian Age - Callovian Age
2	61m S	HUCK-CHLK	Hunstanton Formation - Chalk	Cenomanian Age - Albian Age
3	74m S	FYCK-CHLK	Ferriby Chalk Formation - Chalk	Cenomanian Age
4	420m S	WCK-CHLK	Welton Chalk Formation - Chalk	Turonian Age - Cenomanian Age

*This data is sourced from the British Geological Survey.*

## 14.6 Bedrock faults and other linear features (10k)

Records within 500m

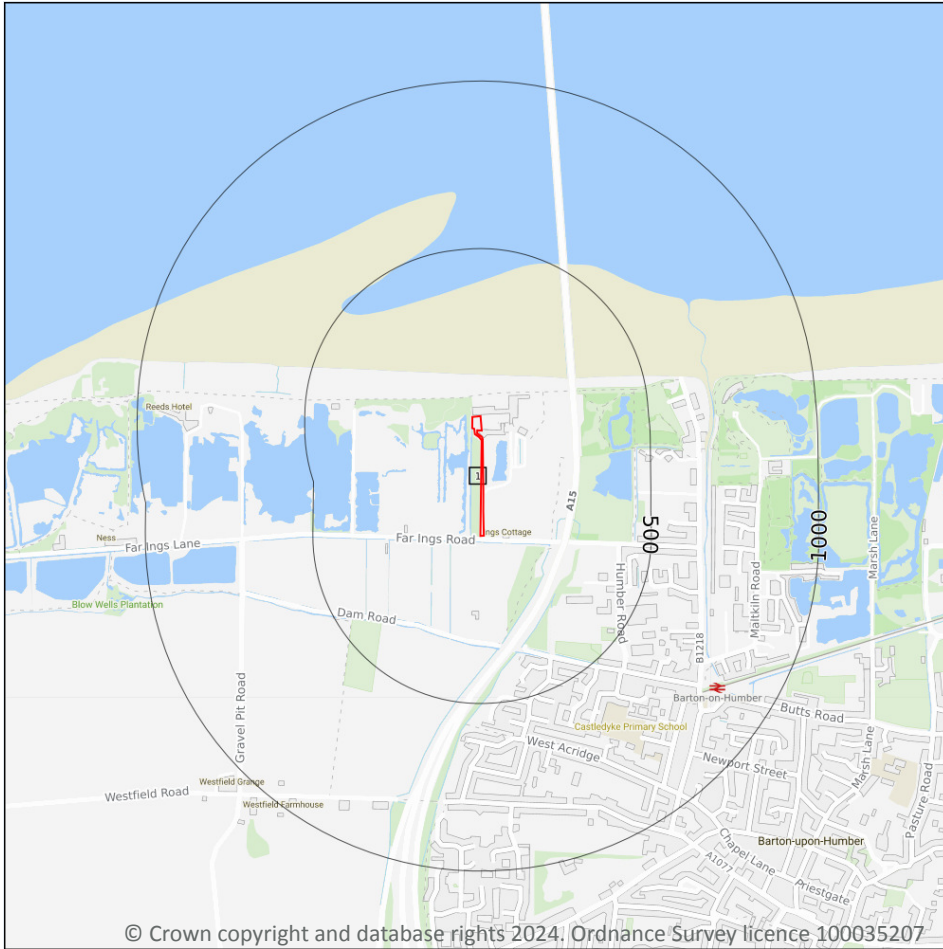
0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*



## 15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Geological map tile

### 15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

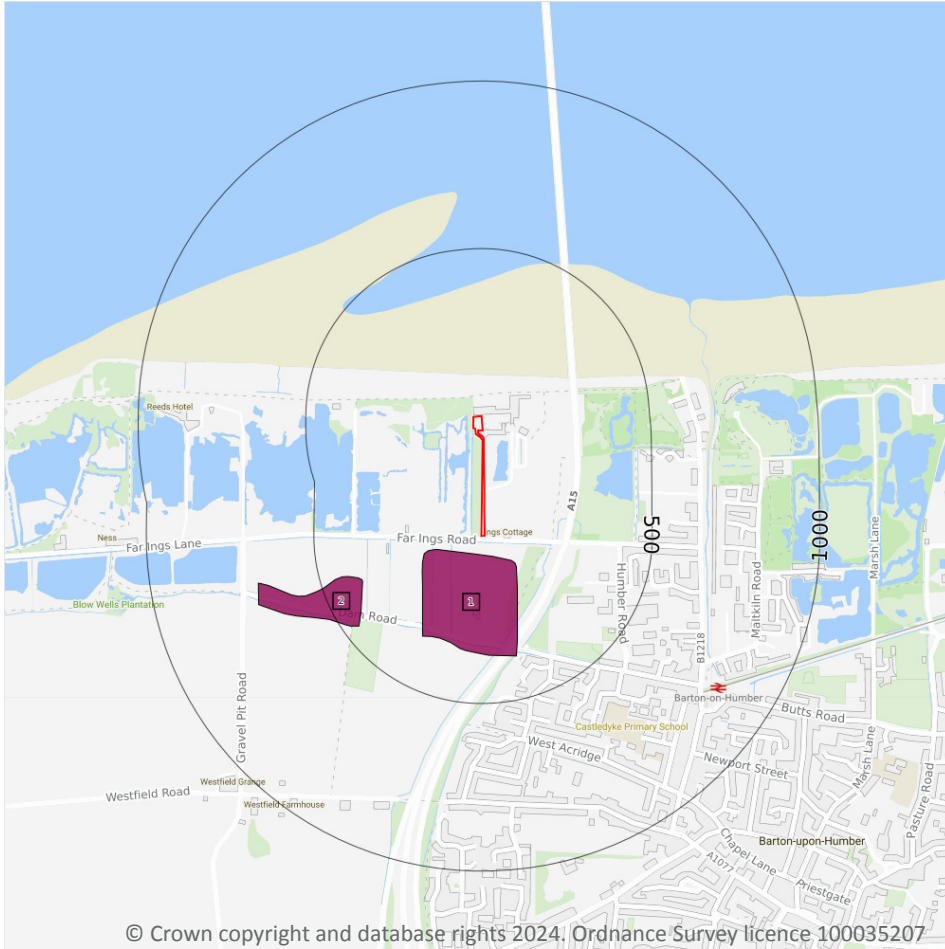
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 138](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW080_hull_v4

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Artificial and made ground



— Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

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### 15.2 Artificial and made ground (50k)

Records within 500m

2

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 139](#) >

ID	Location	LEX Code	Description	Rock description
1	56m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	379m SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.



### 15.3 Artificial ground permeability (50k)

Records within 50m

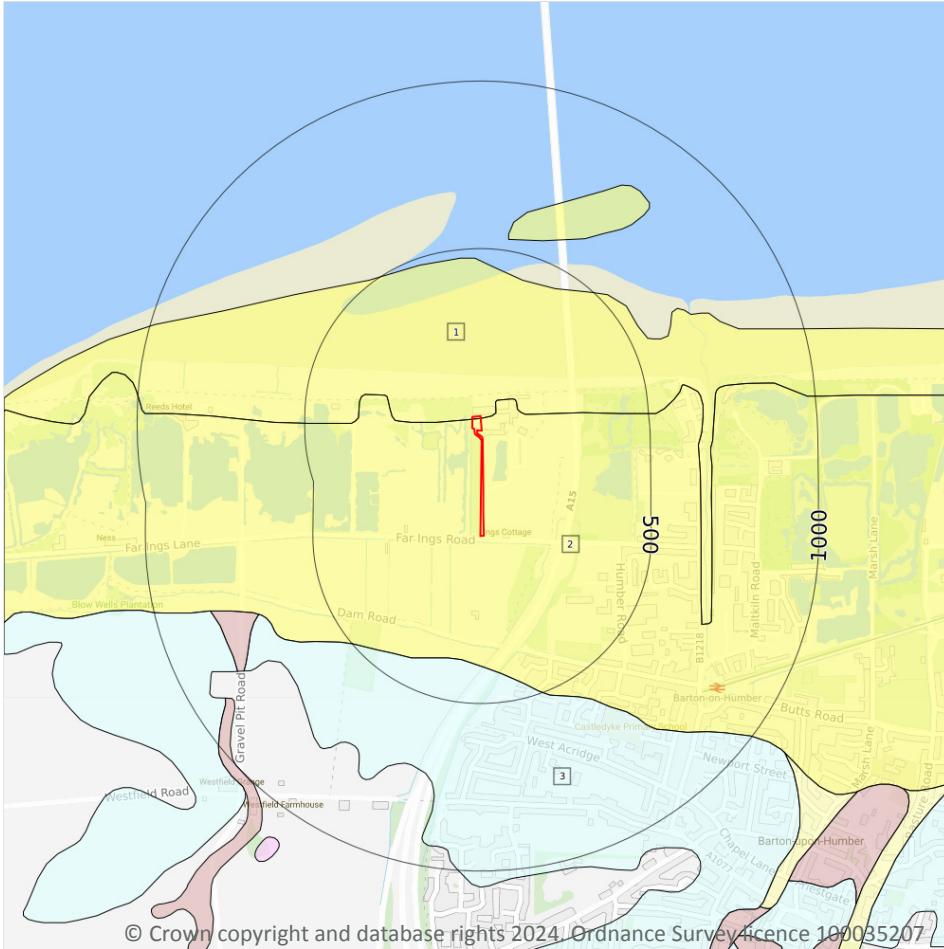
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)  
Please see table for more details.

### 15.4 Superficial geology (50k)

Records within 500m

3

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 141](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TFD-XCZ	TIDAL FLAT DEPOSITS	CLAY AND SILT
2	On site	TFD-XCZ	TIDAL FLAT DEPOSITS	CLAY AND SILT
3	373m S	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.



## 15.5 Superficial permeability (50k)

Records within 50m

1

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	Low	Very Low

*This data is sourced from the British Geological Survey.*

## 15.6 Landslip (50k)

Records within 500m

0

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*

## 15.7 Landslip permeability (50k)

Records within 50m

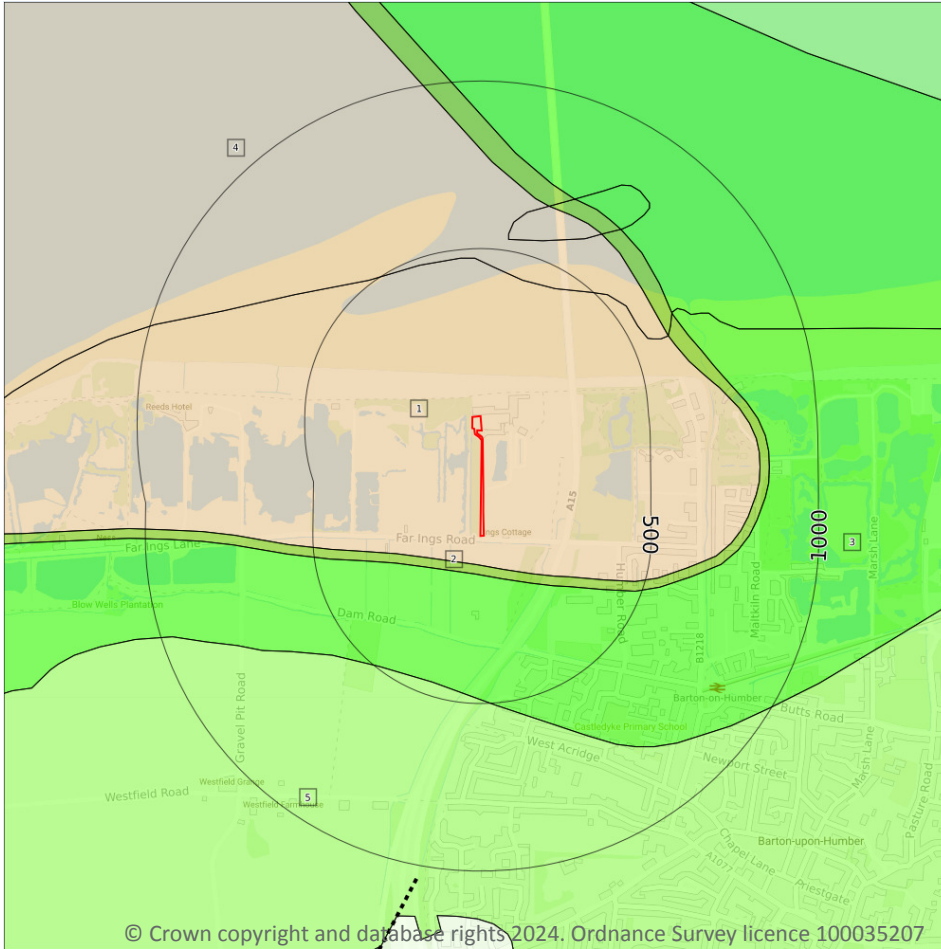
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- ..... Bedrock faults and other linear features (50k)
- Bedrock geology (50k)  
Please see table for more details.

### 15.8 Bedrock geology (50k)

Records within 500m

5

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 143](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	AMG-MDST	ANCHOLME GROUP - MUDSTONE	CALLOVIAN
2	86m S	HUCK-CHLK	HUNSTANTON FORMATION - CHALK	ALBIAN
3	115m S	FYCK-CHLK	FERRIBY CHALK FORMATION - CHALK	CENOMANIAN
4	425m N	AMG-MDST	ANCHOLME GROUP - MUDSTONE	CALLOVIAN

ID	Location	LEX Code	Description	Rock age
5	459m S	WCK-CHLK	WELTON CHALK FORMATION - CHALK	CENOMANIAN

*This data is sourced from the British Geological Survey.*

## 15.9 Bedrock permeability (50k)

<b>Records within 50m</b>	<b>1</b>
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
<b>On site</b>	<b>Fracture</b>	<b>Low</b>	<b>Very Low</b>

*This data is sourced from the British Geological Survey.*

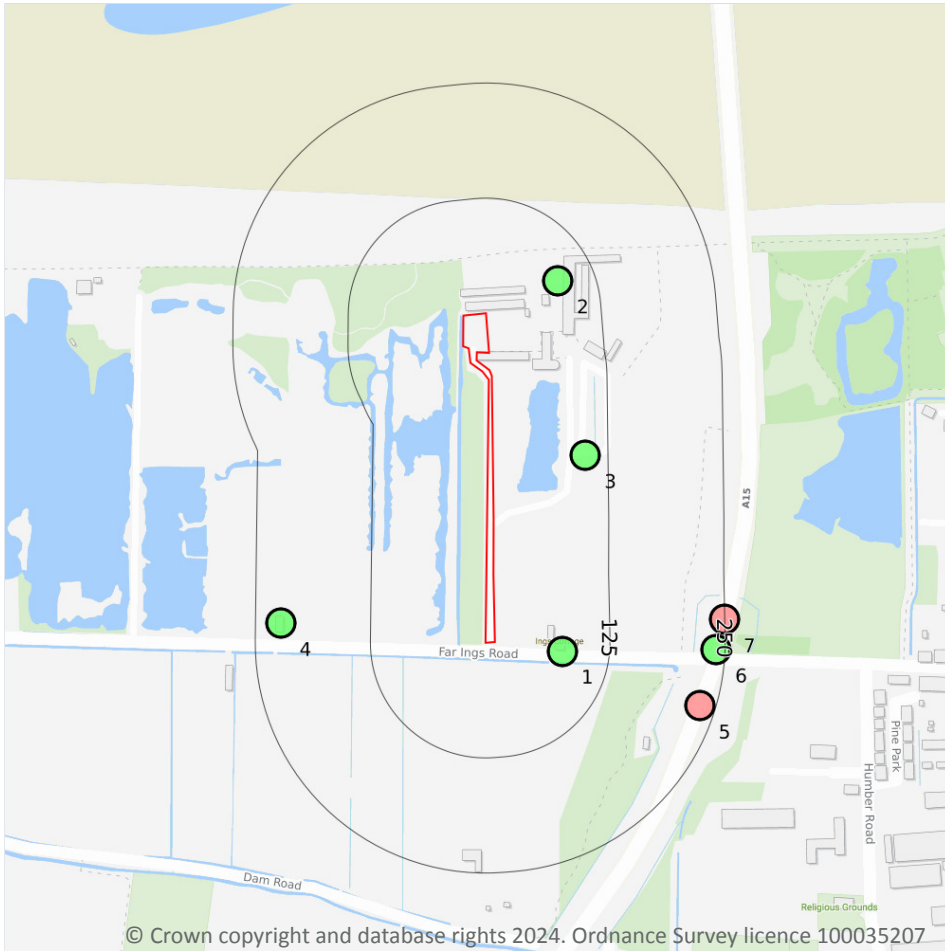
## 15.10 Bedrock faults and other linear features (50k)

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*

## 16 Boreholes



— Site Outline  
 Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

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### 16.1 BGS Boreholes

Records within 250m

7

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 145 >](#)

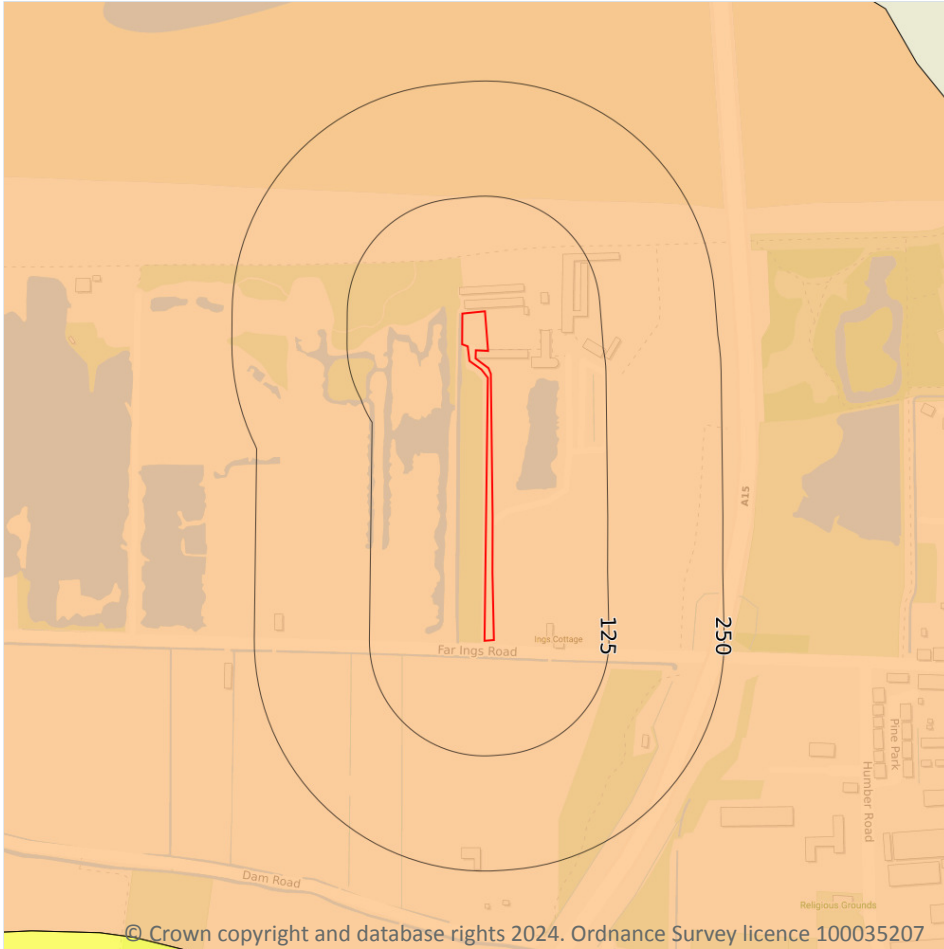
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	74m S	502299 422966	COTTAGE JUNCTION OF ROAD FROM BLYTHS BRICKWORKS/FAR INGS LANE	28.65	N	<a href="#">458149 ↗</a>
2	86m NE	502294 423368	BARTON UPON HUMBER BRICKYARDS	27.43	N	<a href="#">458125 ↗</a>

ID	Location	Grid reference	Name	Length	Confidential	Web link
3	101m E	502324 423179	HUMBER BRIDGE APPROACH ROADS 10	28.8	N	<a href="#">458235</a> ↗
4	223m SW	501993 422996	N SIDE OF INGS LANE BARTON	27.43	N	<a href="#">458131</a> ↗
5	233m SE	502448 422907	HUMBER BRIDGE APPROACH ROADS 16	32.2	N	<a href="#">458241</a> ↗
6	240m SE	502466 422968	HOUSE EAST OF COTTAGE	22.86	N	<a href="#">458150</a> ↗
7	250m SE	502475 423000	HUMBER BRIDGE APPROACH ROADS 15	31.0	N	<a href="#">458240</a> ↗

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.1 Shrink swell clays

Records within 50m

1

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

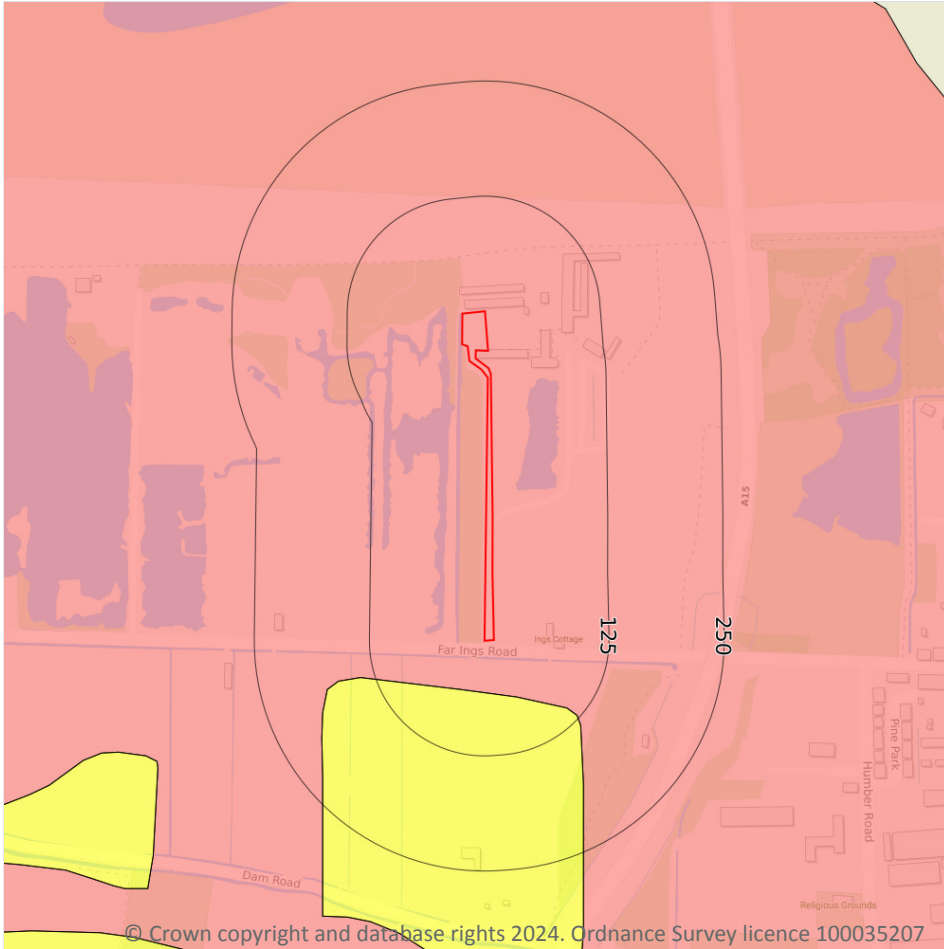
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 147](#) >

Location	Hazard rating	Details
On site	Low	Ground conditions predominantly medium plasticity.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Running sands



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.2 Running sands

Records within 50m

1

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

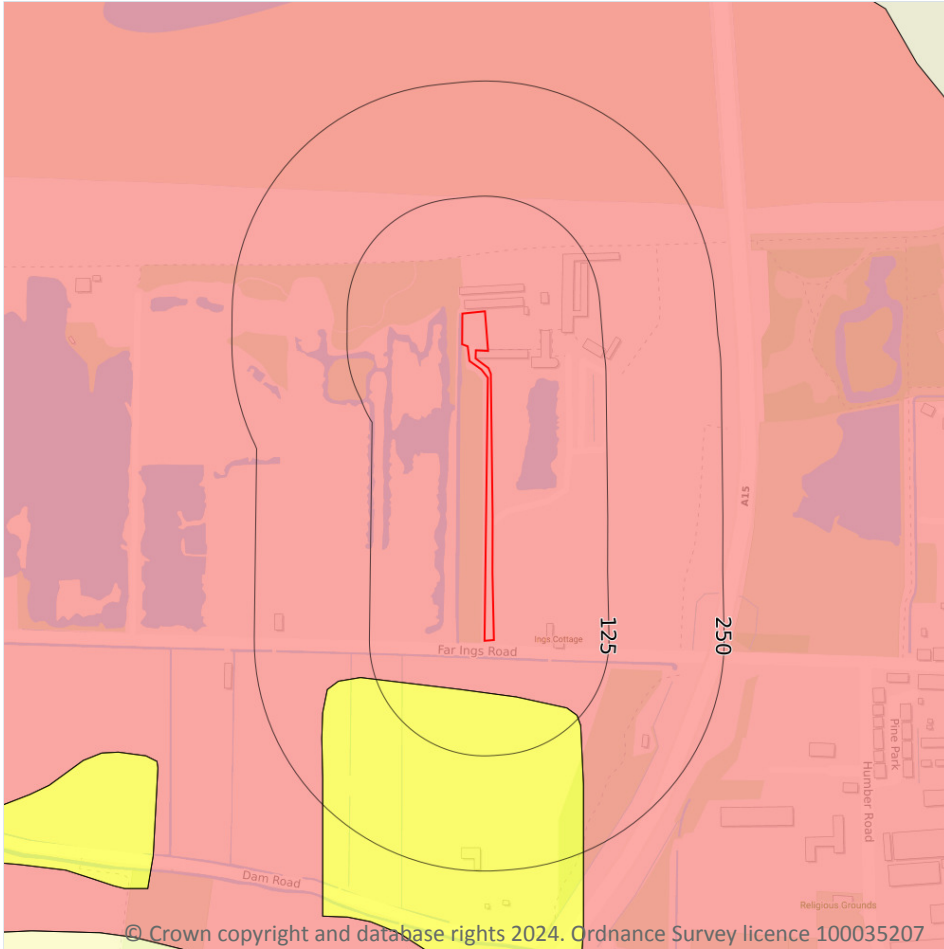
Features are displayed on the Natural ground subsidence - Running sands map on [page 148](#) >

Location	Hazard rating	Details
On site	Moderate	Running sand conditions are probably present. Constraints may apply to land uses involving excavation or the addition or removal of water.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Compressible deposits



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.3 Compressible deposits

Records within 50m

1

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

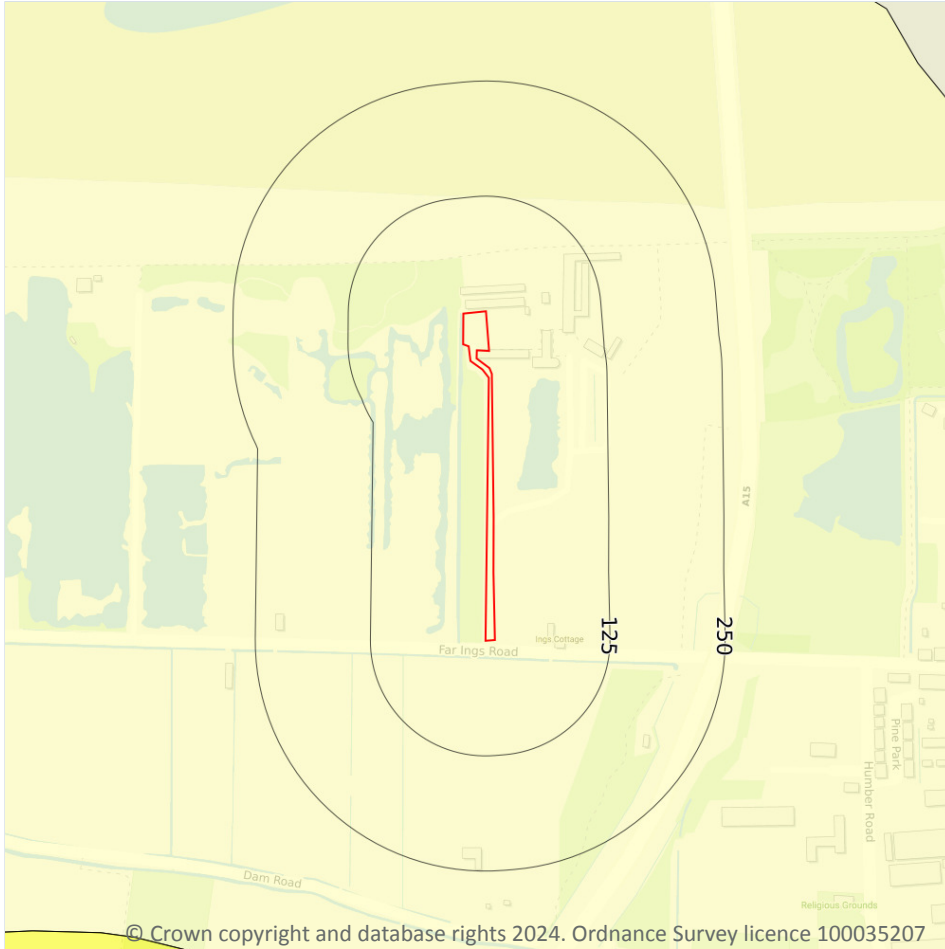
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 149](#) >

Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Collapsible deposits



— Site Outline  
 Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.4 Collapsible deposits

Records within 50m

1

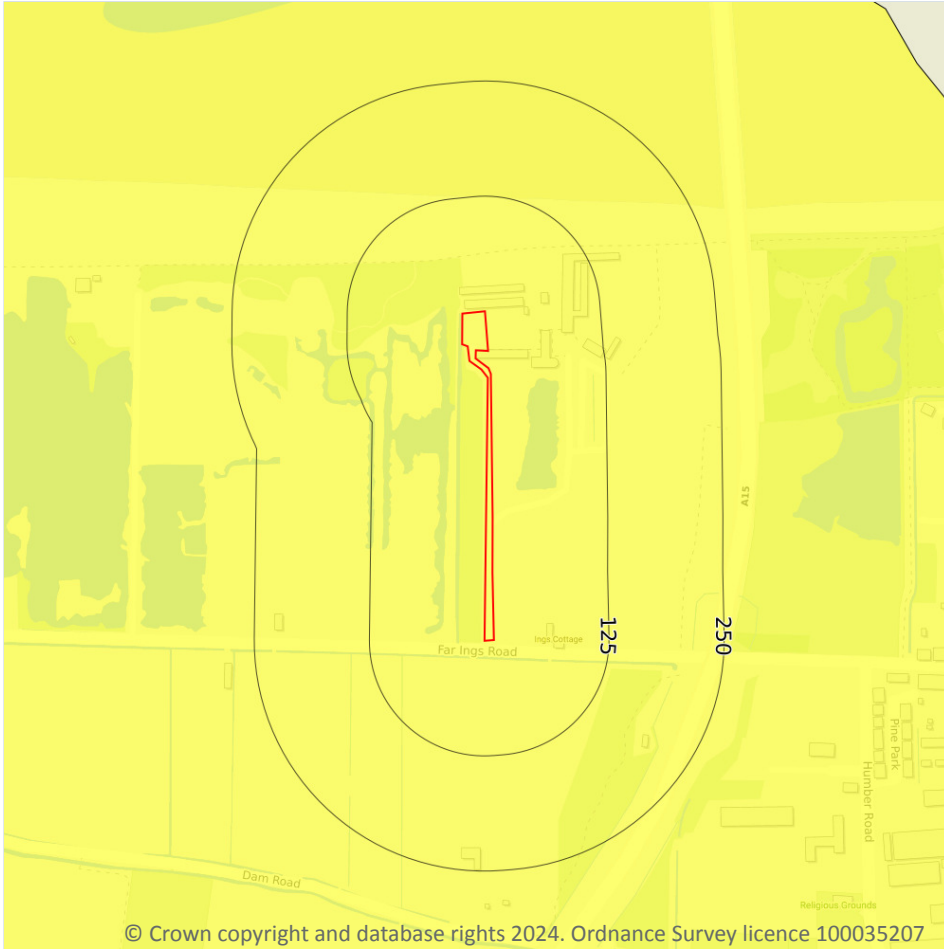
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 150 >](#)

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Landslides



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

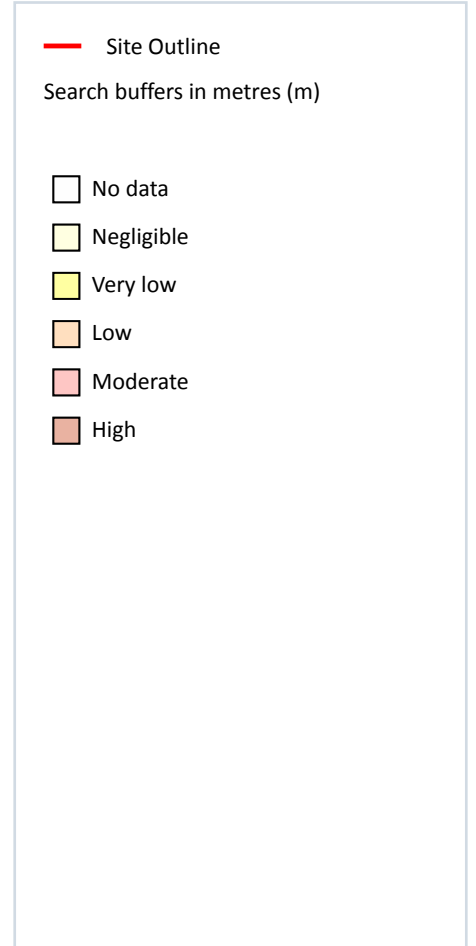
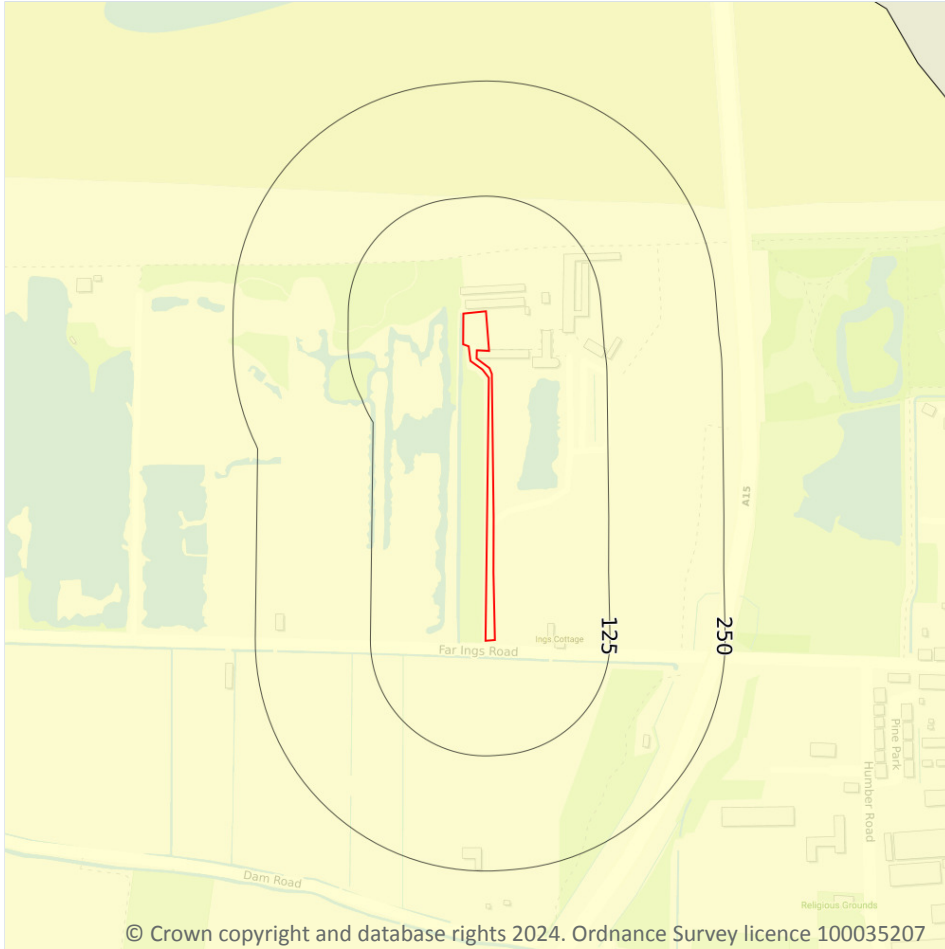
Features are displayed on the Natural ground subsidence - Landslides map on [page 151](#) >

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Ground dissolution of soluble rocks



### 17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

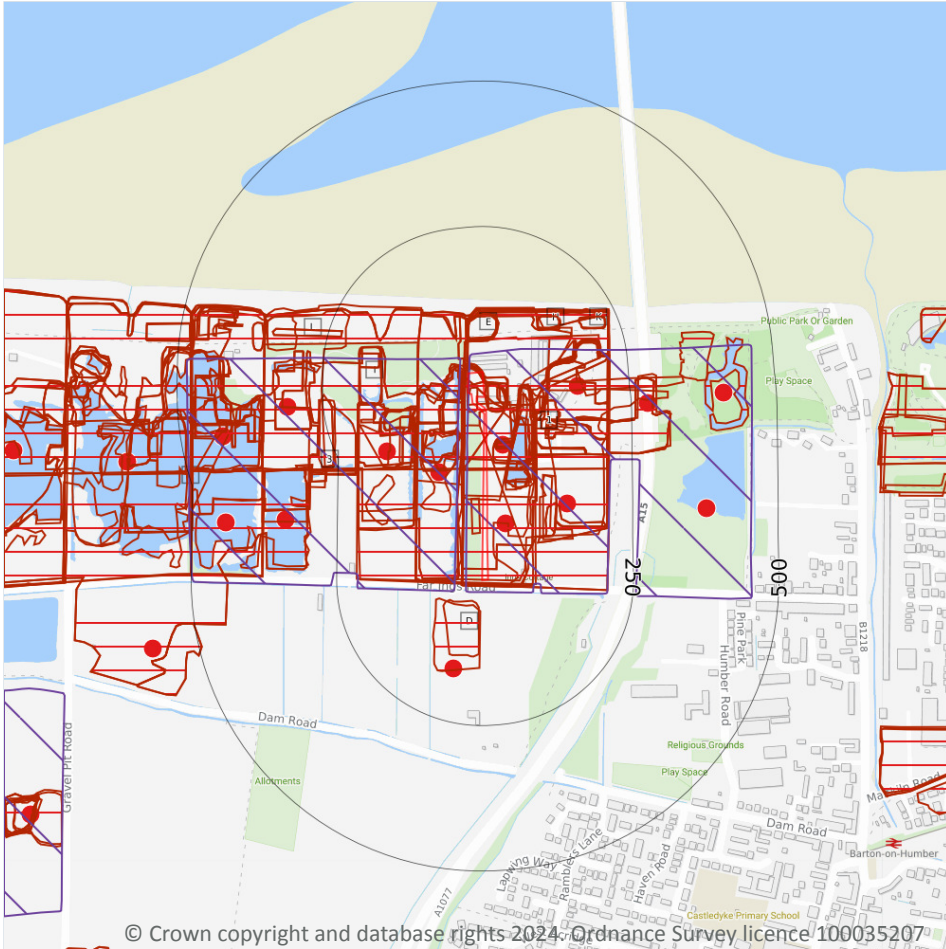
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 152 >](#)

Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

*This data is sourced from the British Geological Survey.*



## 18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

### 18.1 BritPits

Records within 500m

14

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on [page 154](#) >

ID	Location	Details	Description
A	27m NE	Name: Ings Farm Yard Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
A	31m S	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
A	76m W	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
F	138m SE	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
4	160m S	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
A	161m NE	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
G	167m W	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
J	277m E	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
C	312m W	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
6	340m W	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
8	376m E	Name: Far Ings Lane Quarry Address: Hoe Hill, BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Inactive	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, is not extracting minerals, but which still has a valid planning permission to do so, and can restart at any time. May be considered Mothballed by operator. May be considered to have Active or Dormant planning permission
O	409m E	Name: Barton Waterside Clay Pit Address: BARTON-UPON-HUMBER, North Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
N	427m W	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
9	443m W	Name: Far Ings Lane Clay Pit Address: BARTON-UPON-HUMBER, Lincolnshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

## 18.2 Surface ground workings

<b>Records within 250m</b>	<b>123</b>
----------------------------	------------

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 154](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Brick Works	1948	1:10560
A	On site	Unspecified Pit	1948	1:10560
A	On site	Unspecified Pit	1906	1:10560
A	On site	Brick Works	1906	1:10560
A	On site	Unspecified Pits	1886	1:10560
A	On site	Brick Yard	1886	1:10560
A	On site	Brick Works	1930	1:10560
A	On site	Unspecified Pit	1930	1:10560
A	On site	Brick Works	1948	1:10560
A	On site	Unspecified Pit	1948	1:10560
A	On site	Brick Works	1970	1:10000
A	On site	Brick Works	1979	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Brick Works	1930	1:10560
A	On site	Unspecified Pit	1930	1:10560
A	On site	Ponds	1930	1:10560
A	On site	Brick Works	1948	1:10560
A	On site	Unspecified Pit	1948	1:10560
A	On site	Pond	1956	1:10560
A	On site	Ponds	1948	1:10560
A	On site	Unspecified Pit	1938	1:10560
A	On site	Unspecified Pit	1908	1:10560
A	On site	Brick Works	1956	1:10560
A	On site	Unspecified Pits	1956	1:10560
A	On site	Brick Yard	1886	1:10560
A	On site	Unspecified Pit	1886	1:10560
B	On site	Water Bodies	1970	1:10000
C	On site	Brick Works	1938	1:10560
C	On site	Brick Works	1908	1:10560
A	2m N	Ponds	1938	1:10560
A	2m N	Ponds	1908	1:10560
A	5m S	Pond	1948	1:10560
A	5m N	Ponds	1906	1:10560
C	5m N	Brick Works	1906	1:10560
A	9m N	Ponds	1906	1:10560
2	11m N	Water Bodies	1979	1:10000
A	11m E	Pond	1886	1:10560
A	11m E	Pond	1886	1:10560
A	13m N	Ponds	1938	1:10560
A	13m N	Ponds	1908	1:10560
A	15m NE	Ponds	1948	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
A	16m N	Ponds	1930	1:10560
A	17m N	Pond	1886	1:10560
A	17m N	Pond	1886	1:10560
A	17m NE	Ponds	1948	1:10560
A	18m N	Unspecified Pit	1906	1:10560
A	31m SE	Ponds	1956	1:10560
A	31m SE	Pond	1993	1:10000
A	31m SE	Ponds	1979	1:10000
A	32m SE	Ponds	1906	1:10560
A	35m E	Ponds	1938	1:10560
A	35m E	Ponds	1908	1:10560
D	39m S	Pond	1956	1:10560
A	41m NW	Pond	1948	1:10560
A	42m NW	Pond	1948	1:10560
A	42m NW	Pond	1993	1:10000
A	44m NW	Ponds	1906	1:10560
D	46m S	Pond	1948	1:10560
E	53m N	Unspecified Pit	1930	1:10560
E	53m N	Unspecified Pit	1930	1:10560
E	53m N	Unspecified Pit	1956	1:10560
E	56m N	Unspecified Pit	1948	1:10560
E	56m N	Unspecified Pit	1906	1:10560
E	59m N	Unspecified Pit	1938	1:10560
E	59m N	Unspecified Pit	1908	1:10560
A	83m NE	Unspecified Pit	1886	1:10560
A	85m NE	Unspecified Pit	1938	1:10560
A	85m NE	Unspecified Pit	1908	1:10560
A	85m NE	Unspecified Pit	1906	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
A	85m NE	Ponds	1906	1:10560
C	86m NW	Brick Yard	1886	1:10560
C	87m NW	Brick Yard	1886	1:10560
F	87m SE	Unspecified Heap	1930	1:10560
F	87m SE	Unspecified Heap	1930	1:10560
F	91m SE	Pond	1956	1:10560
G	92m NW	Unspecified Heap	1948	1:10560
G	94m NW	Unspecified Heap	1956	1:10560
A	95m NE	Ponds	1938	1:10560
A	95m NE	Ponds	1908	1:10560
G	96m NW	Unspecified Heap	1930	1:10560
G	96m NW	Unspecified Heap	1930	1:10560
F	96m SE	Pond	1948	1:10560
A	97m NE	Unspecified Pit	1948	1:10560
A	97m NE	Unspecified Pit	1948	1:10560
G	100m NW	Unspecified Pit	1956	1:10560
A	101m NE	Pond	1956	1:10560
A	102m E	Pond	1948	1:10560
G	102m NW	Pond	1886	1:10560
G	103m NW	Unspecified Heap	1948	1:10560
G	103m NW	Unspecified Heap	1948	1:10560
G	103m NW	Ponds	1886	1:10560
G	104m NW	Unspecified Pit	1948	1:10560
A	106m NE	Unspecified Pit	1948	1:10560
A	107m NE	Pond	1948	1:10560
G	108m NW	Ponds	1906	1:10560
A	112m NE	Unspecified Pit	1930	1:10560
A	112m NE	Unspecified Pit	1930	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
H	121m NE	Pond	1886	1:10560
H	122m NE	Pond	1886	1:10560
G	125m W	Ponds	1938	1:10560
G	125m W	Ponds	1908	1:10560
A	132m NE	Unspecified Pit	1886	1:10560
A	134m NE	Unspecified Ground Workings	1886	1:10560
G	144m NW	Ponds	1886	1:10560
I	148m NW	Unspecified Pit	1906	1:10560
I	149m NW	Unspecified Pit	1938	1:10560
I	149m NW	Unspecified Pit	1908	1:10560
A	151m NE	Unspecified Heap	1930	1:10560
A	151m NE	Unspecified Heap	1930	1:10560
J	153m NE	Unspecified Ground Workings	1948	1:10560
J	153m NE	Unspecified Ground Workings	1948	1:10560
G	153m W	Pond	1948	1:10560
I	153m NW	Pond	1886	1:10560
I	154m NW	Pond	1886	1:10560
K	186m NE	Pond	1886	1:10560
K	187m NE	Pond	1886	1:10560
C	205m W	Pond	1930	1:10560
J	210m E	Unspecified Pit	1948	1:10560
C	215m NW	Unspecified Pits	1956	1:10560
L	227m NW	Pond	1970	1:10000
L	227m NW	Pond	1979	1:10000
C	230m W	Pond	1906	1:10560
C	235m W	Pond	1938	1:10560
C	235m W	Pond	1908	1:10560

*This is data is sourced from Ordnance Survey/Groundsure.*



### 18.3 Underground workings

Records within 1000m

1

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining and ground workings map on [page 154](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
-	849m E	Unspecified Shaft	1886	1:10560

*This data is sourced from Ordnance Survey/Groundsure.*

### 18.4 Underground mining extents

Records within 500m

0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

*This data is sourced from Groundsure.*

### 18.5 Historical Mineral Planning Areas

Records within 500m

2

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining and ground workings map on [page 154](#) >

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
1	On site	Ings Farm Yard	Clay	Surface mineral working	Valid	23/5/47
3	14m N	Far Ings Lane	Clay	Surface mineral working	Valid	6/8/47

*This data is sourced from the British Geological Survey.*



## 18.6 Non-coal mining

Records within 1000m

0

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

*This data is sourced from the British Geological Survey.*

## 18.7 JPB mining areas

Records on site

0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

*This data is sourced from Johnson Poole and Bloomer.*

## 18.8 The Coal Authority non-coal mining

Records within 500m

0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

*This data is sourced from The Coal Authority.*

## 18.9 Researched mining

Records within 500m

0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

*This data is sourced from Groundsure.*



## 18.10 Mining record office plans

Records within 500m

0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

*This data is sourced from Groundsure.*

## 18.11 BGS mine plans

Records within 500m

0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

*This data is sourced from Groundsure.*

## 18.12 Coal mining

Records on site

0

Areas which could be affected by past, current or future coal mining.

*This data is sourced from the Coal Authority.*

## 18.13 Brine areas

Records on site

0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

*This data is sourced from the Cheshire Brine Subsidence Compensation Board.*

## 18.14 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

## 18.16 Clay mining

Records on site

0

Generalised areas that may be affected by kaolin and ball clay extraction.

*This data is sourced from the Kaolin and Ball Clay Association (UK).*

## 19 Ground cavities and sinkholes

### 19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

*This data is sourced from Stantec UK Ltd.*

### 19.2 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

*This data is sourced from Stantec UK Ltd.*

### 19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

*This data is sourced from Groundsure.*

### 19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



*This data is sourced from Groundsure.*

## 19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

*This data is sourced from the British Geological Survey.*



## 20 Radon



— Site Outline  
Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

### 20.1 Radon

#### Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 168](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None

*This data is sourced from the British Geological Survey and UK Health Security Agency.*



## 21 Soil chemistry

### 21.1 BGS Estimated Background Soil Chemistry

Records within 50m

3

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km<sup>2</sup>. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km<sup>2</sup>; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg

*This data is sourced from the British Geological Survey.*

### 21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km<sup>2</sup>).

*This data is sourced from the British Geological Survey.*

### 21.3 BGS Measured Urban Soil Chemistry

Records within 50m

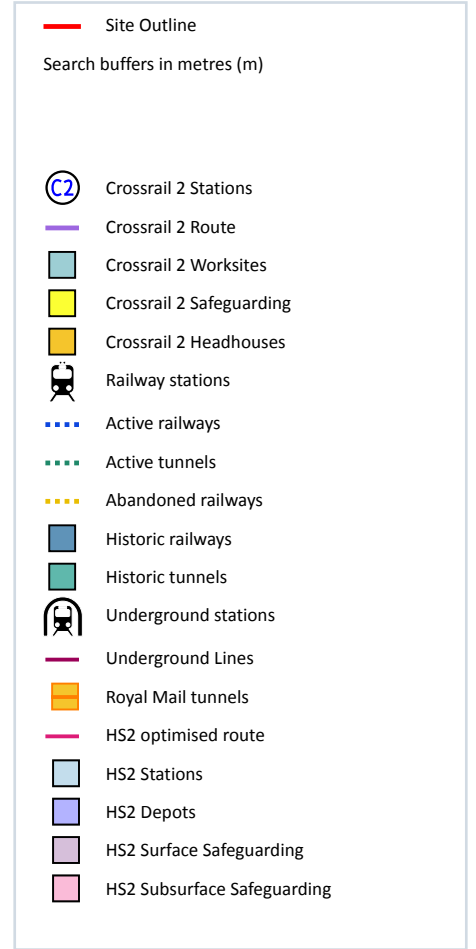
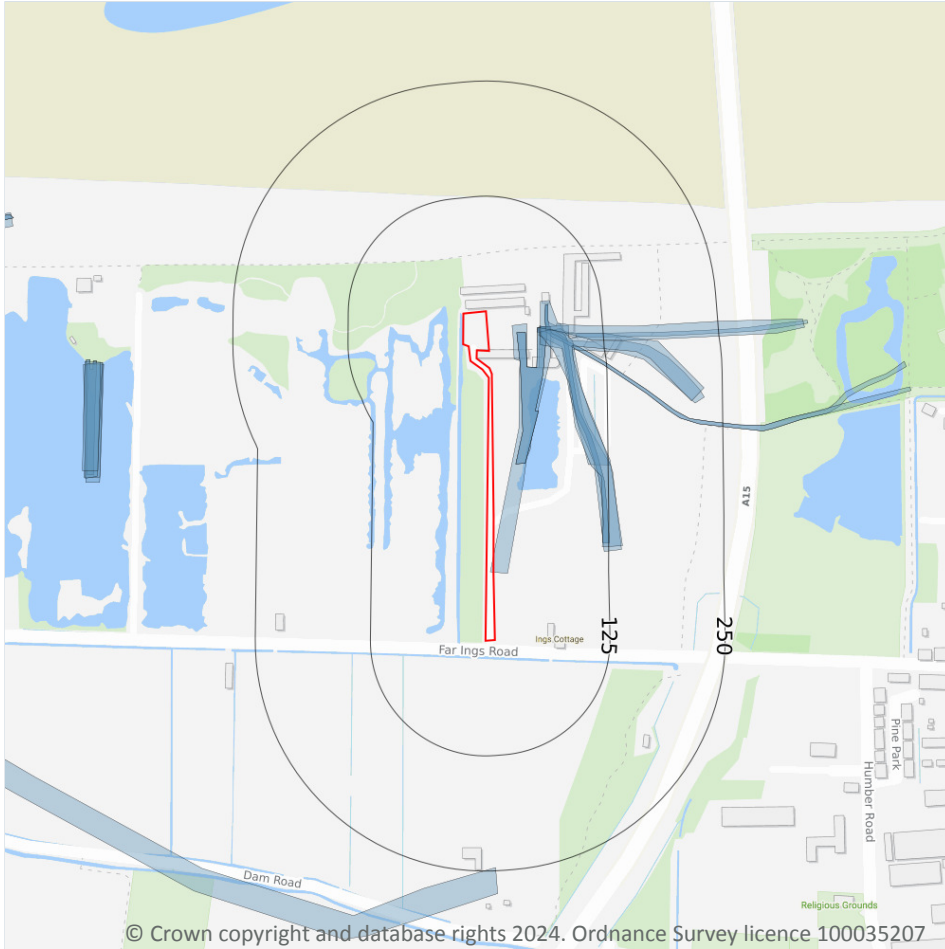
0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

*This data is sourced from the British Geological Survey.*



## 22 Railway infrastructure and projects



### 22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

*This data is sourced from publicly available information by Groundsure.*

### 22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

*This data is sourced from publicly available information by Groundsure.*

## 22.3 Railway tunnels

**Records within 250m**

**0**

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

## 22.4 Historical railway and tunnel features

**Records within 250m**

**12**

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on [page 171 >](#)

Location	Land Use	Year of mapping	Mapping scale
<b>On site</b>	<b>Railway Sidings</b>	<b>1906</b>	<b>10560</b>
25m E	Railway Sidings	1938	10560
25m E	Railway Sidings	1908	10560
54m NE	Tramway Sidings	1932	2500
55m NE	Railway Sidings	1948	10560
56m NE	Railway Sidings	1930	10560
57m NE	Railway Sidings	1948	10560
58m NE	Mineral Railway Sidings	1970	10000
63m NE	Mineral Railway Sidings	1982	2500
63m NE	Mineral Railway Sidings	1984	2500
63m NE	Mineral Railway Sidings	1968	2500
247m S	Tramway Sidings	1906	10560

*This data is sourced from Ordnance Survey/Groundsure.*



## 22.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

*This data is sourced from Groundsure/the Postal Museum.*

## 22.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

*This data is sourced from OpenStreetMap.*

## 22.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 22.8 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

*This data is sourced from publicly available information by Groundsure.*

## 22.9 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

*This data is sourced from HS2 Ltd.*



## Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

## Terms and conditions

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