



**PHASE 1 ENVIRONMENTAL ASSESSMENT REPORT
AT**

**WATERSIDE ROAD
BARTON ON HUMBER
DN18 5BG**

FOR

KEIR ARCHITECTURE LTD

GDP PROJECT NUMBER 23109

18 January 2024



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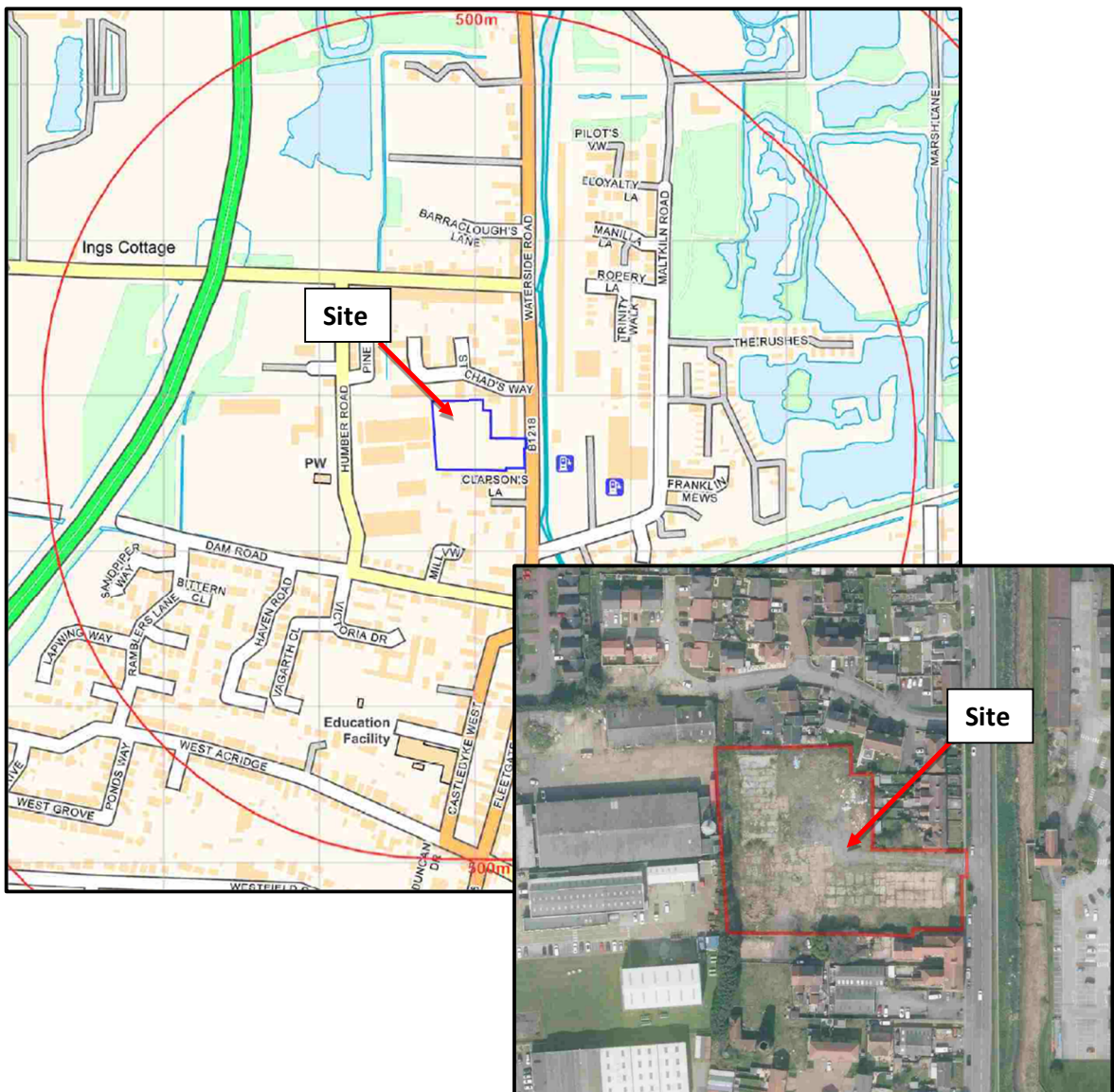
1.0 INTRODUCTION

1.1 Authorisation and Context

GD Pickles Limited (GDP) was instructed by Keir Architecture Ltd (the 'Client'), to carry out a Phase 1 Environmental Assessment for a proposed development at 51 to 55 Waterside Road, Barton on Humber, DN18 5BG ('the Site').

The development is shown on Keir Architecture drawing ref 202308-03 Rev A provided in Appendix 1. The development comprises the construction of 38 new dwellings, associated gardens, roads and hardstanding.

Figure 1 - Site Location Map and Satellite Image



1.2 Purpose

This Report has been prepared in support of a planning application to be submitted to the LPA for the development.

2.0 PRELIMINARY RISK ASSESSMENT

2.1 Objectives of Preliminary Risk Assessment

The objectives of the Preliminary Risk Assessment (PRA) were to:

- ☀ Establish the geological and hydrogeological conditions for the Site using existing available information;
- ☀ Summarise available information and identify Site specific environmental hazards which may place a constraint upon the proposed development;
- ☀ Produce a preliminary Conceptual Site Model (CSM) and preliminary qualitative contamination risk assessment identifying plausible potential linkages between contamination sources, pathways and receptors; and
- ☀ Provide objectives and recommendations with regards to an Intrusive Ground Investigation (Phase 2) and other further assessments that may be required.

The assessments in the Report were underpinned by Regulatory requirements at time of writing and comply with the requirements for a Preliminary Risk Assessment as set out in Tier 1 Stage 1 of the Environment Agency's 'Land Contamination Risk Management' guidance, April 2021.

2.2 Environmental Setting

A Groundsure Enviro+Geo Insight database report and historical maps have been procured for the Site, presented at Appendix 2.

2.2.1 Site Description

The Site is located at national grid reference 502795 422744 to the west of Waterside Road, Barton on Humber and is approximately 0.8 hectares in area.

From Google Earth satellite and Google Streetview imagery, the Site appears vacant and is generally flat, surfaced in concrete slabs and possibly tarmac associated with historical land use, now overgrown in places. Some waste materials appear to be present in the north east of the Site.



The Site is accessed via Waterside Road to the east and is bound by residential properties to the north, commercial and residential to the east, commercial industrial to the south and industrial land use to the west.

2.2.2 Site History

Historical maps dated between 1885 and 2023 were procured to review the history of the Site and surrounding landuse.

On the earliest maps a commercial building is shown in the south and south west of the Site, later extending north and labelled Whiting Works with three chimneys shown. By 1967 the Site is vacant with a drain marked in the north west. By 1974 a commercial unit is shown in the south east, with additional buildings later developed in the west and south west and labelled depot. These buildings are visible on Google Earth Imagery with the hardstanding around the buildings occupied with HGV trailers. The buildings are shown on Google Earth until 2017, with the Site shown as vacant (as current) by 2019.

Potentially contaminative land uses in the close surrounding area include a rope works to the north east, brick yard and clay pit to the east, station and cycle works to the south east, gas works and gas holders to the south and south west, warehouse, works and depot to the west and south west, orchard to the north. Within 750m of the Site other potentially contaminative land uses include a chemical works to the north, brick works to the north, north east and north west, quarry to the south east, infilled ponds in several directions.

2.2.3 Published Geology

Reference to the Groundsure report indicates the Site to be underlain by superficial deposits of Tidal Flat Deposits (TFD). Till, Devensian Diamicton is often present below TFD in this area. The Bedrock is Ferriby Chalk. Made Ground is mapped 421m west.

The closest borehole record located 65m east indicates that TFD (locally known as Warp) is present to circa 15.24m, underlain by Chalk.

2.2.4 Hydrogeology

The TFD are classified as an Unproductive Aquifer. Chalk is a Principal Aquifer. The Site is located in a Source Protection Zone 3.

There are no licensed groundwater abstractions within 1km of the Site.

Borehole records nearby indicate that the groundwater in the Chalk aquifer is fully artesian.

2.2.5 Hydrology

A watercourse is recorded to be present in the north west of the Site on the OS MasterMap water network. This is a longstanding feature labelled Drain on historical mapping. A tidal river or stream is located 26m east and is connected to the Humber approximately 600m north. There are no current licenced surface water abstractions in the vicinity.

2.2.6 Flood Risk

According to the Groundsure report the Site is at Medium to High Risk of Flooding from Rivers and the Sea and is located in Flood Zone 3. The east of the Site is at highest risk.

Consideration of flood risk falls outside the scope of this Assessment.

2.2.7 Radon Gas

The Site is not located in a radon affected area. Radon protection measures are not required for the development.

2.2.8 Mining & Mineral Extraction

The Site is not located in a Coal Mining Reporting Area or non-coal mining area. There are 3 BritPit records in the vicinity the closest being 256m east for clay and shale. A further 13 ground workings are listed within 250m, relating to brick yards, brick works, clay pits and ponds.






Risks to the Site from resource extraction or geotechnical matters fall outside of the scope of this commission and are not considered further in this Report.

2.2.9 Environmentally Sensitive Sites

The Humber Estuary is listed as an SSSI 312m north east. The Humber Estuary and surrounding wetland is also listed as a Conserved Wetland Site, Special Area of Conservation, Special Protection Area, National & Local Nature Reserve. The Site is listed as a Habitat Network Enhancement Zone 2.

2.2.10 Groundsure Database entries

Salient points identified from the database review include:

-  There are 104 historical potential sources of contamination listed in the Groundsure report including the warehouse, depot and works on Site, rope works to the east, brick yards, gas works, railway sidings and various others.
-  There are 25 historical tank records within 500m, the closest being 54m south west.
-  The closest historical energy feature are gasholders 93m south.
-  The closest historical garage is 126m south east.
-  A historical landfill is located 227m north east, accepting industrial waste.

- ☀ There are 30 current potentially contaminative industrial sites listed within 250m of the Site reflecting the commercial and industrial land uses in the vicinity.
- ☀ There is one List 2 Dangerous Substance record within the vicinity relating to pH release 8m north west from Weir Turbomachinery.
- ☀ There are 3 pollution incident records listed relating to minor water impact from diesel 191m north west in 2003; a significant water and land and minor air impact from organic chemicals 329m north east in 2004; and minor water impact from 'other' pollutants 466m north in 2003.

2.2.11 Previous Reports

GDP was provided with a Phase 1 Geoenvironmental Risk Assessment and Phase 2 Ground Investigation by MDJA, dated February 2022. The report was prepared for a previous potential developer of the Site. Reliance and copyright for the report has not been passed to the Client and the report is therefore not reproduced herein.

Key observations made in the report were as follows:

- ☀ 6 dynamic sampling boreholes were advanced. The majority of the Site is covered in reinforced concrete overlying made ground to a maximum observed of 1.4m. TFD comprising soft grey and brown sandy silty clay was observed becoming very soft below around 2m. Groundwater was struck at around 1m, rising to 0.5m to 0.7m.
- ☀ Limited contamination testing of soils was performed (one sample per borehole plus 2 samples of unknown source) and identified elevated PAH dibenz (a,h) anthracene in made ground.
- ☀ Monitoring wells were installed in 3 boreholes. Gas monitoring was ongoing at the time of the Phase 2 report and the data, conclusions and recommendations provided in a separate MDJA letter report dated 19th April 2022. A total of 6no. gas monitoring visits were undertaken which is best practice for residential development. No methane was detected during any event and marginally elevated carbon dioxide with a maximum of 3.7%v/v noted. Gas flows were negligible. The report concludes Characteristic Situation CS1 Very Low Risk in accordance with BS8485 and NHBC Traffic Light -Green (No gas protection required).
- ☀ Asbestos was not identified in the soil matrix. Suspected asbestos cement fragments were observed at surface, not sampled. Analysis for TPH, BTEX or other volatile organic compounds was not performed although there was no reference to hydrocarbon odours on the logs. Groundwater assessment was not performed.

The report recommended provision of a clean capping of topsoil and subsoil to 600mm as a 'precautionary measure'.

With regards foundations, a piled solution was proposed. Additional boreholes were proposed to determine the depth and condition of chalk bedrock at depth. The report was not cognisant of the glacial clay or the potential for artesian outflows from the Chalk if penetrated.

The MJDA reported considered the potential for SUDs in drainage design for the Site. It states that the Site is underlain by impermeable clay and is unsuitable for soakaways. It is also noted from the ground investigation data that a shallow groundwater table was observed during drilling of boreholes. MJDA recommend that the existing provisions using the piped system are used.

2.3 Qualitative Contaminated Land Assessment

2.3.1 Initial Conceptual Site Model

An initial Conceptual Site Model (CSM) has been developed for the Site adopting the Source-Pathway-Receptor approach.





- ☀ **Sources (S)** are potential or known contaminant sources e.g. soil contamination resulting from a former land use;
- ☀ **Pathways (P)** are environmental systems thorough which a contaminant could migrate e.g. air, groundwater;
- ☀ **Receptors (R)** are sensitive environmental receptors that could be adversely affected by a contaminant. e.g. Human End User (longer- term risks) or groundworkers (shorter-term risks), surface or groundwater resources and ecology.

Where a source, relevant pathway and receptor are present, a plausible pollutant linkage is considered to exist whereby environmental harm could occur and a potential environmental liability could be realised.

The site specific potential pollutant linkages have been assessed and used to formulate the initial Conceptual Model for the Site presented in Table 2.3.1.

Table 2.3.1 Initial Conceptual Model

POTENTIAL SOURCES		
CSM ID	Detailed Description	Summary Description for CSM
S1	Potentially contaminated soils associated with current and known historical site uses.	S1: Soil Contamination
S2	Contaminated groundwater resulting from soil contamination.	S2: Groundwater Contamination

S3	Potential for contamination originating from off-site sources.	S3: Off-site sourced contamination
S4	Asbestos containing materials within made ground possibly buried.	S4: ACMs
S5	Permanent ground gases and vapours from soil contamination.	S5: Ground gases
POTENTIAL PATHWAYS		
CSM ID	Detailed Description	Summary description for CSM
P1	Human uptake pathways; <ul style="list-style-type: none">  Ingestion of excavated or exposed soils;  Ingestion of home grown produce;  Inhalation of soil/dust/volatile compounds or hazardous ground gases via migration through permeable strata/conduits; and  Dermal contact with exposed soils or leachates. 	P1: Human uptake
P2	Vertical migration of contaminants through the unsaturated zone	P2: Vertical Migration Unsaturated Zone
P3	Horizontal and vertical migration of contaminants within groundwater.	P3: Groundwater Migration
P4	Direct contact of soils with construction materials.	P4: Direct Contact Construction Materials
P5	Migration of permanent ground gases/vapour in soils and into buildings.	P5: Ground Gas Migration
POTENTIAL RECEPTORS		
CSM ID	Detailed Description	Summary description for CSM
R1	Construction/maintenance workers.	R1: Construction workers
R2	Controlled waters within the Aquifers and nearby surface waters.	R2: Controlled waters
R3	End-users.	R3: End-users
R4	Construction Materials - Buried concrete and potable water supply pipes.	R4: Construction Materials
R5	Off-site property and users.	R5: Off-site receptors

2.3.2 Risk Evaluation

For each potential pollutant linkage identified within the Conceptual Model the potential risk has been evaluated for potential receptors using a Preliminary Qualitative Risk Assessment based on the probability of the pollution event and the severity it poses to Site users and the environment. The Methodology is presented in Appendix 3.

The preliminary assessment of risk assumes no specific remediation measures but does take account of obvious pathway disruption due to development such as hard standing, building footprints or necessary excavations.

The risk evaluation assessment is summarised in Table 2.3.2 below. The CSM and Qualitative Risk Assessment is revisited and refreshed following review of any future intrusive ground investigation findings including any geochemical analyses.

Table 2.3.2 Preliminary Qualitative Risk Assessment

Potential Source	Potential Pathway	Potential Receptor	Consequence	Probability	Risk	Comments
S1: Soil Contamination	P1: Human Uptake	R1: Construction workers	Medium	Likely	Moderate	Severe widespread contamination is not anticipated. Previous GI included only limited intrusive locations and testing of soils. Some elevated PAH were detected. Testing for other plausible contaminants including TPH and BTEX were not performed.
		R3: End-users	Medium	Likely	Moderate	
	P3: Groundwater migration	R3: End-users	Medium	Unlikely	Low	
		R2: Controlled waters	Medium	Low likelihood	Moderate/Low	
		R3: End-users	Medium	Low likelihood	Moderate/Low	
	P4: Direct contact construction materials	R4: Construction materials	Medium	Likely	Moderate	
S2: Groundwater Contamination	P1: Human Uptake	R1: Construction workers	Mild	Low likelihood	Low	Sources of groundwater contamination have not been identified. Shallow groundwater within TFD has been reported and contamination testing has not been performed. TFD are classified as unproductive aquifer with limited groundwater mobility. Devensian Till below the TFD afford further protection to the Chalk Aquifer which is artesian.
		R3: End-users	Mild	Low likelihood	Low	
	P3: Groundwater migration	R2: Controlled waters	Medium	Unlikely	Low	

	P4: Direct contact construction materials	R4: Construction materials	Mild	Likely	Moderate/Low	
S3: Off-site sourced contamination	P1: Human Uptake	R1: Construction workers	Medium	Low likelihood	Moderate/Low	Numerous possible off-site sources of contamination have been identified in the vicinity, the most significant being a historic gas works less than 100m south, from which the Site is slightly down gradient.
		R3: End-users	Medium	Low likelihood	Moderate/Low	
	P3: Groundwater migration	R2: Controlled waters	Medium	Likely	Moderate	
	P4: Direct contact construction materials	R4: Construction materials	Mild	Low likelihood	Low	
S4: ACMs	P1: Human Uptake	R1: Construction workers	Severe	Likely	Very high	Asbestos cement has been observed on the surface of the Site and may be present in made ground (not detected to date).
		R3: End-users	Severe	Low likelihood	Moderate	
S5: Ground Gas including radon	P5: Ground gas migration	R3: End Users	Medium	Likely	Moderate	<p>Made ground and natural deposits may represent possible sources of ground gases. Migration is likely to be limited within TFD but can be influenced by tidal pressure. Vapours from on and off-site sources are possible but unlikely.</p> <p>The Site is not located in a radon affected area.</p>

3.0 CONCLUSIONS & RECOMMENDATIONS

3.1 Conclusions

The proposed development comprises the construction of 38no. 3 and 4 storey houses, associated gardens, roads and areas of hardstanding.

The Site is currently mainly surfaced in concrete with some tarmac possibly present, some areas are overgrown. Made ground has been reported in a previous investigation with PAH contamination above the selected GAC. Asbestos cement fragments have been observed on the site surface (likely from the demolition of former commercial industrial units on the Site until circa 2017), although no free fibres were detected in soils in the previous investigations.

Notwithstanding the geochemical (contamination) suitability for use of made ground there is no reported topsoil reserve on the Site for use in proposed gardens. Notwithstanding any contamination, it would therefore be required to import suitably verified clean sub soil and topsoil for placement in residential gardens and any soft landscaping. This would be designed to be of a suitable thickness to break any plausible contamination linkage between the Made Ground soils and the end-user. The previous report stipulated a 600mm capping layer of clean soil which appears to remain appropriate at this time. This would be a maximum thickness and less would be required if clean natural soils are encountered at a shallower depth.

Plausible sources of ground gas are present in made ground and Tidal Flat Deposits, which can contain high organic content and peat bands. However, ground gas monitoring was undertaken during the previous investigations and concluded that no ground gas risk was present. No gas protection measures are required. Further confirmatory gas monitoring would be required if no reliance is possible on the previous ground investigation information.

The density of previous investigations and scope of geochemical testing was very limited and no groundwater assessment was undertaken to consider off-site sources, in particular the historic gas works in proximity to the south.

3.2 Recommendations

A detailed ground investigation is required comprising trial pits and boreholes to allow the observation of the thickness and composition of made ground and sampling of soils for typical potential contaminants including as a minimum heavy metals, speciated PAHs, TPH, BTEX, VOC, free cyanide and asbestos content.

At least 3 monitoring wells should be installed to undertake ground gas and groundwater monitoring with subsequent groundwater analysis. Findings should be reported in accordance with the Environment Agency's CLRM procedures including a revised ground model and Generic Quantitative Risk Assessment and current YALPAG guidance.

Findings of the investigation and risk assessment should be used to inform the construction phase risk assessment and prepare a remediation method statement for submission to the LPA.

3.3 Other Considerations/Added Value

Whilst outside the scope of this assessment it would be prudent to combine the investigation with borehole investigations required for geotechnical purposes to inform foundation design and/or other engineering purposes including highways and drainage design.

Any further investigations should be designed in order to obtain adequate information for pile design and better understand shallow groundwater conditions. Deeper investigations should take care due to artesian conditions in the Chalk aquifer. If Glacial Till is present it may be sufficient to terminate within this strata to avoid problems with artesian outflow at surface.

In relation to drainage design constraints to using infiltration SUDs exist on the Site due to the prevailing impermeable ground conditions and shallow groundwater table. At this time with the available information infiltration SUDs are unlikely to be effective.

4.0 LIMITATIONS

4.1 General

GD Pickles Ltd (GDP) have prepared this report solely for the use of the Client. Should any third party wish to use or rely upon the contents of the report, written approval must be sought from GDP; a charge may be levied against such approval.

GDP accepts no responsibility or liability for the consequences of this document being used for any purpose or project other than for which it was commissioned or the consequences of this document being used by any third party with whom an agreement has not been executed.

The Client should be aware that property development carries risk and that unidentified development abnormalities should be anticipated particularly on brownfield sites with regard to in-ground risks such as contamination, asbestos, waste and underground obstructions/made ground. This Report provides an assessment of the potential and actual ground conditions found based upon the available information and in the context of the scope of works performed. It does not provide a geotechnical, flood, drainage, asbestos, ecological, archaeological or legal assessments or provide advice on other technical matters which may be appropriate when considering site ownership and development. The Client should satisfy itself that it has adequate information on which to make its own decision with regards the commercial and legal merit of acquiring and developing the site. All development risk rests with the developer and owner. GDP will employ all reasonable endeavours to assist the Client manage and mitigate those risks, however, no liability is accepted by GDP for any loss, damages, or consequential or third party losses which may be suffered by the Client from the inappropriate use or misinterpretation of the content of this Report. GDP limits all liability to the value of the commission for a period of 1 year.

4.2 Phase I Desk Studies and Preliminary Risk Assessments

The work undertaken in producing this report comprised a study of available in-house and third party documented information from a variety of sources (including the Client), together with (where appropriate) a brief walk over inspection of the site and meetings and discussions with relevant authorities and other interested parties. The assessments and opinions given in this report rely on such information and activities and are only relevant to the purpose for which the report was commissioned. Any information reviewed should not be considered exhaustive and has been accepted and used in good faith as providing accurate and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, GDP reserves the right to review and if necessary modify the opinions accordingly. It should be noted that any risks identified in a Phase 1 report are perceived risks based on the information reviewed; actual risks can usually only be quantified following a physical investigation of the site.

Report produced by:



G Pickles BSc (Hons)
Managing Director

Report Checked and Approved by:



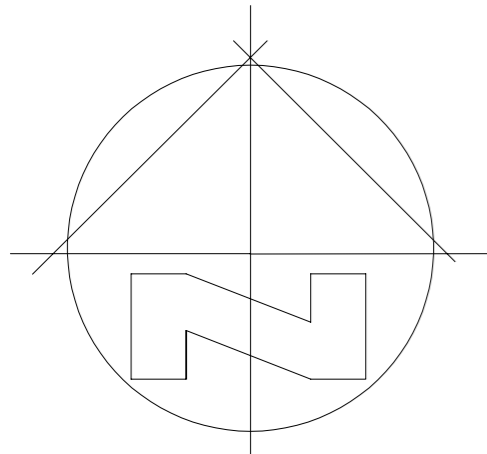
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APPENDICES

Appendix 1

Development Plan



Proposed Indicative Site, Block, Landscape, Drainage & Levels Plan.

Scale - 1:500 @ A3.

Key:-

- New Silver Birch Trees.
- New Landscaped Borders.
- New 215mm Thick, 1.8m High Screen Brick Walls.
- New 1.8M High Timber Feather Edge Boarded Screen Fence.

Warehouse

Proposed Services:-
Foul Water:- To be collected into pump station and pumped off site to nearest Anglian Water approved gravity sewer.
Surface Water:- To be collected into attenuation device under roads and then discharged into the existing open drain / ditch on west side of Site at agreed discharge rate and with requisite permissions and improvements.

Open Space:-
 This indicative layout proposes that an off site contribution is made for open space.

House Type & Mix:-
 This indicative layout proposes a house mix of 2,3 & 4 Bed 3 storey and four storey in roof void. All dwellings to have garages and utilities on ground floor and all other accommodation on 2nd, 3rd & 4th floors.

J			
H			
G			
F			
E			
D			
C			
B			
A	02.05.23	KJT	DESIGN DEVELOPMENT.
Date	Drawn	Revision	

Keir Architecture

No.6, Orchard Fields, Healing, N.E.Lincs, DN41 7AF.

Tel: 07813 006079

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Proposed Housing Site at: 51 to 55 Waterside Rd, Barton Upon Humber, North Lincs, DN18 5BG.
 For:- Mr & Mrs J Chapman.

PROPOSED INDICATIVE SITE, BLOCK, LANDSCAPE, DRAINAGE & LEVELS PLAN.

Drawn:	Keir Taylor	Date:	10.04.23	Scale:	1:500 @ A3
Checked:		Drawing No.:	202308-03	Revision:	A
Approved:					



Note - Any Dimensions shown on this drawing are approximate.

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Appendix 2
Groundsure Report & Historical Mapping

Waterside Rd Barton on Humber, DN18 5BH

Order Details

Date: 30/11/2023
Your ref: CMAPS-GDP-1138555-33420-301123
Our Ref: CMAPS-GDP-1138555-33420-301123EDRGeo

Site Details

Location: 502795 422744
Area: 0.81 ha
Authority: [North Lincolnshire Council](#) ↗



Summary of findings

[p. 2 >](#) **Aerial image**

[p. 9 >](#)

OS MasterMap site plan

[p.14 >](#) groundsure.com/insightuserguide ↗

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	5	9	39	51	-
19 >	1.2 >	Historical tanks >	0	0	24	1	-
21 >	1.3 >	Historical energy features >	0	0	13	3	-
22	1.4	Historical petrol stations	0	0	0	0	-
22 >	1.5 >	Historical garages >	0	0	2	0	-
22	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
23 >	2.1 >	Historical industrial land uses >	9	15	58	66	-
29 >	2.2 >	Historical tanks >	0	0	35	2	-
30 >	2.3 >	Historical energy features >	0	0	20	8	-
32	2.4	Historical petrol stations	0	0	0	0	-
32 >	2.5 >	Historical garages >	0	0	2	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
33	3.1	Active or recent landfill	0	0	0	0	-
33	3.2	Historical landfill (BGS records)	0	0	0	0	-
34	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
34 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	0	-
34	3.5	Historical waste sites	0	0	0	0	-
34	3.6	Licensed waste sites	0	0	0	0	-
35 >	3.7 >	Waste exemptions >	0	0	9	1	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
36 >	4.1 >	Recent industrial land uses >	0	4	26	-	-
38	4.2	Current or recent petrol stations	0	0	0	0	-
38	4.3	Electricity cables	0	0	0	0	-
39	4.4	Gas pipelines	0	0	0	0	-
39	4.5	Sites determined as Contaminated Land	0	0	0	0	-



39	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
39	4.7	Regulated explosive sites	0	0	0	0	-
39	4.8	Hazardous substance storage/usage	0	0	0	0	-
40	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
40	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
40 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	1	0	-
40	4.12	Radioactive Substance Authorisations	0	0	0	0	-
41 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	0	0	4	8	-
43	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
43	4.15	Pollutant release to public sewer	0	0	0	0	-
43 >	4.16 >	<u>List 1 Dangerous Substances ></u>	0	0	0	2	-
43 >	4.17 >	<u>List 2 Dangerous Substances ></u>	0	1	0	0	-
44 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	1	2	-
44	4.19	Pollution inventory substances	0	0	0	0	-
44	4.20	Pollution inventory waste transfers	0	0	0	0	-
45	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
46 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
48 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
49 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
50 >	5.4 >	<u>Groundwater vulnerability- soluble rock risk ></u>	Identified (within 0m)				
50	5.5	Groundwater vulnerability- local information	None (within 0m)				
51 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	4
52 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	8
54 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	3
55 >	5.9 >	<u>Source Protection Zones ></u>	1	0	0	0	-
56	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
57 >	6.1 >	<u>Water Network (OS MasterMap) ></u>	1	1	10	-	-



59 >	6.2 >	Surface water features >	0	0	5	-	-
59 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
59 >	6.4 >	WFD Surface water bodies >	0	1	0	-	-
60 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
61 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
62	7.2	Historical Flood Events	0	0	0	-	-
62 >	7.3 >	Flood Defences >	0	2	11	-	-
63	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
63	7.5	Flood Storage Areas	0	0	0	-	-
64 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
65 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
66 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
68 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
69 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	2	2
70 >	10.2 >	Conserved wetland sites (Ramsar sites) >	0	0	0	2	1
75 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	1	0
75 >	10.4 >	Special Protection Areas (SPA) >	0	0	0	2	2
77 >	10.5 >	National Nature Reserves (NNR) >	0	0	0	0	2
77 >	10.6 >	Local Nature Reserves (LNR) >	0	0	1	1	1
78	10.7	Designated Ancient Woodland	0	0	0	0	0
78	10.8	Biosphere Reserves	0	0	0	0	0
78	10.9	Forest Parks	0	0	0	0	0
78	10.10	Marine Conservation Zones	0	0	0	0	0
79	10.11	Green Belt	0	0	0	0	0
79	10.12	Proposed Ramsar sites	0	0	0	0	0



79	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
79	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
79	10.15	Nitrate Sensitive Areas	0	0	0	0	0
80 >	10.16 >	Nitrate Vulnerable Zones >	0	0	1	0	1
81 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
82 >	10.18 >	SSSI Units >	0	0	0	2	25
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
123	11.1	World Heritage Sites	0	0	0	-	-
124	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
124	11.3	National Parks	0	0	0	-	-
124 >	11.4 >	Listed Buildings >	0	1	3	-	-
125 >	11.5 >	Conservation Areas >	0	0	1	-	-
125	11.6	Scheduled Ancient Monuments	0	0	0	-	-
125	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
126 >	12.1 >	Agricultural Land Classification >	Grade 2 (within 250m)				
127	12.2	Open Access Land	0	0	0	-	-
127 >	12.3 >	Tree Felling Licences >	0	0	1	-	-
127 >	12.4 >	Environmental Stewardship Schemes >	0	0	2	-	-
128	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
129 >	13.1 >	Priority Habitat Inventory >	0	0	12	-	-
130 >	13.2 >	Habitat Networks >	1	0	5	-	-
131 >	13.3 >	Open Mosaic Habitat >	0	1	1	-	-
131	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
132 >	14.1 >	10k Availability >	Identified (within 500m)				
133 >	14.2 >	Artificial and made ground (10k) >	0	0	0	1	-
134 >	14.3 >	Superficial geology (10k) >	1	1	0	2	-



135	14.4	Landslip (10k)	0	0	0	0	-
136 >	14.5 >	Bedrock geology (10k) >	1	0	2	1	-
137	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
138 >	15.1 >	50k Availability >	Identified (within 500m)				
139 >	15.2 >	Artificial and made ground (50k) >	0	0	0	1	-
140	15.3	Artificial ground permeability (50k)	0	0	-	-	-
141 >	15.4 >	Superficial geology (50k) >	1	1	0	2	-
142 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
142	15.6	Landslip (50k)	0	0	0	0	-
142	15.7	Landslip permeability (50k)	None (within 50m)				
143 >	15.8 >	Bedrock geology (50k) >	1	1	1	1	-
144 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
144	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
145 >	16.1 >	BGS Boreholes >	0	0	5	-	-
Page	Section	Natural ground subsidence >					
147 >	17.1 >	Shrink swell clays >	Low (within 50m)				
148 >	17.2 >	Running sands >	Moderate (within 50m)				
149 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
150 >	17.4 >	Collapsible deposits >	Negligible (within 50m)				
151 >	17.5 >	Landslides >	Very low (within 50m)				
152 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
154 >	18.1 >	BritPits >	0	0	0	3	-
155 >	18.2 >	Surface ground workings >	0	3	10	-	-
156 >	18.3 >	Underground workings >	0	0	0	0	1
156	18.4	Underground mining extents	0	0	0	0	-
156 >	18.5 >	Historical Mineral Planning Areas >	0	0	2	0	-



157	18.6	Non-coal mining	0	0	0	0	0
157	18.7	JPB mining areas	None (within 0m)				
157	18.8	The Coal Authority non-coal mining	0	0	0	0	-
158	18.9	Researched mining	0	0	0	0	-
158	18.10	Mining record office plans	0	0	0	0	-
158	18.11	BGS mine plans	0	0	0	0	-
158	18.12	Coal mining	None (within 0m)				
158	18.13	Brine areas	None (within 0m)				
159	18.14	Gypsum areas	None (within 0m)				
159	18.15	Tin mining	None (within 0m)				
159	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
160	19.1	Natural cavities	0	0	0	0	-
160	19.2	Mining cavities	0	0	0	0	0
160	19.3	Reported recent incidents	0	0	0	0	-
160	19.4	Historical incidents	0	0	0	0	-
161	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
162 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
164 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	2	-	-	-
164	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
164	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
165	22.1	Underground railways (London)	0	0	0	-	-
165	22.2	Underground railways (Non-London)	0	0	0	-	-
166	22.3	Railway tunnels	0	0	0	-	-
166 >	22.4 >	Historical railway and tunnel features >	0	0	25	-	-
167	22.5	Royal Mail tunnels	0	0	0	-	-



167	22.6	Historical railways	0	0	0	-	-
<u>167</u> >	<u>22.7</u> >	<u>Railways</u> >	0	0	4	-	-
168	22.8	Crossrail 1	0	0	0	0	-
168	22.9	Crossrail 2	0	0	0	0	-
168	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 11/04/2022

Site Area: 0.81ha



Recent site history - 2019 aerial photograph



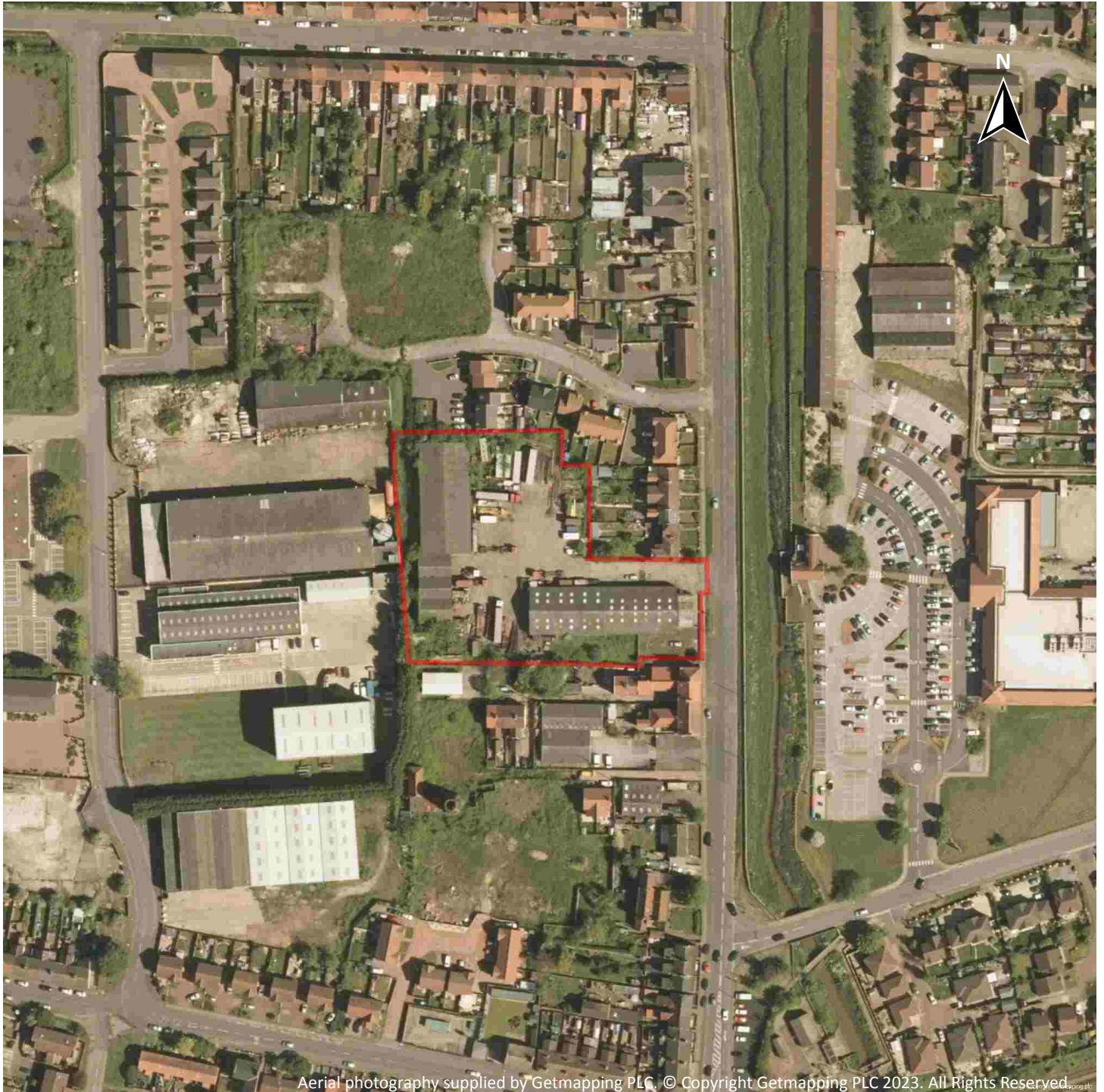
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 19/09/2019

Site Area: 0.81ha



Recent site history - 2014 aerial photograph



Capture Date: 27/09/2014

Site Area: 0.81ha



Recent site history - 2007 aerial photograph



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Capture Date: 26/08/2007

Site Area: 0.81ha



Recent site history - 1999 aerial photograph

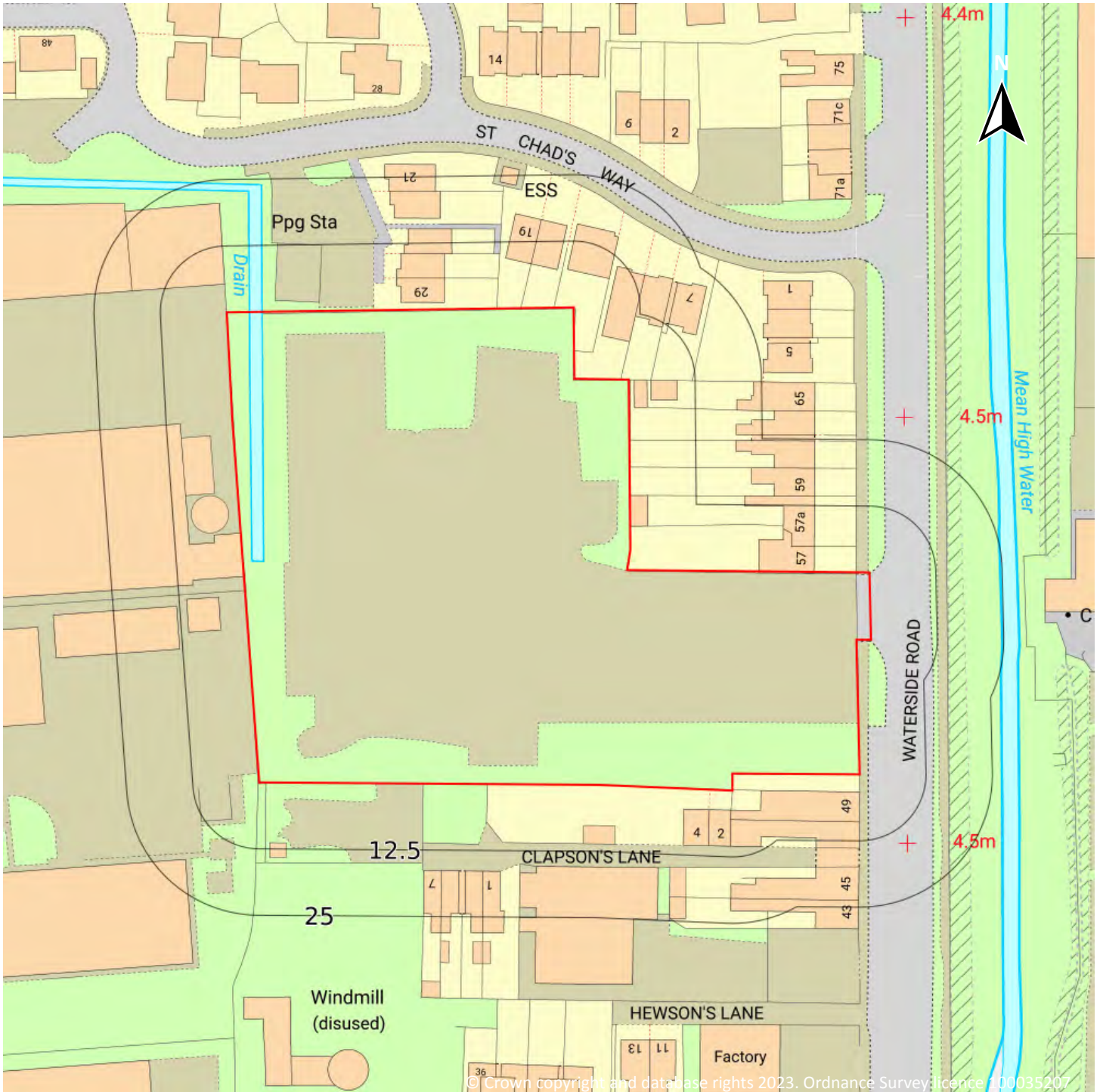


Capture Date: 28/04/1999

Site Area: 0.81ha



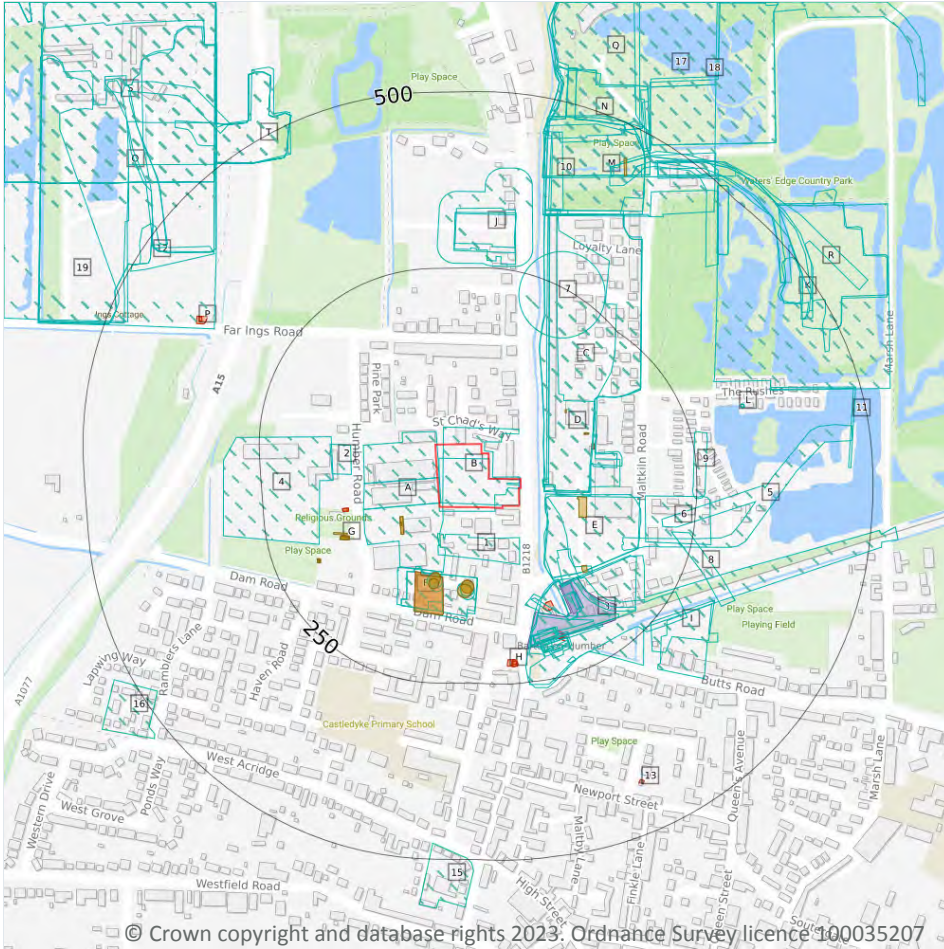
OS MasterMap site plan



Site Area: 0.81ha



1 Past land use



Site Outline

Search buffers in metres (m)

- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

1.1 Historical industrial land uses

Records within 500m **104**

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
A	On site	Unspecified Works	1979 - 1993	1996364



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Warehouse	1979 - 1993	2000982
A	On site	Unspecified Works	1979	2001539
B	On site	Unspecified Depot	1979 - 1993	1996536
B	On site	Whiting Works	1906 - 1930	2002146
C	31m E	Rope Works	1956 - 1993	1998186
C	31m E	Rope Works	1886 - 1906	2002029
C	33m E	Rope Works	1948	1990502
C	33m E	Rope Works	1886	1991880
D	34m E	Rope Works	1930	1996916
E	36m E	Brick Yard	1886	1997194
E	37m E	Unspecified Commercial/Industrial	1930	1988487
1	38m SW	Corn Windmill	1886	1990627
E	38m E	Brick Works	1906	1985693
E	83m SE	Railway Sidings	1886 - 1948	2001222
F	89m SW	Gas Works	1886	1995545
F	92m SW	Gas Works	1906	1993060
F	92m SW	Unspecified Commercial/Industrial	1930 - 1948	2001181
F	93m S	Gasometer	1886	1998670
F	96m S	Unspecified Tank	1956 - 1970	1991546
F	97m S	Gasometer	1906	1990953
F	97m S	Unspecified Tank	1930 - 1948	1999002
F	107m S	Unspecified Tank	1956 - 1970	1996736
F	107m S	Gasometer	1906	1987858
F	107m S	Unspecified Tank	1948	1996387
F	112m S	Unspecified Tank	1930	1995829
E	117m SE	Unspecified Industrial/Commercial	1886	1987258
2	120m W	Unspecified Depot	1979 - 1993	1991544
E	120m SE	Railway Building	1886	2002323



ID	Location	Land use	Dates present	Group ID
3	121m SE	Railway Sidings	1956	1991137
E	129m SE	Railway Sidings	1886	1993243
E	133m SE	Railway Sidings	1886	1996183
E	142m SE	Railway Building	1956	1990568
E	145m SE	Railway Building	1970 - 1993	1992505
4	147m W	Unspecified Works	1979	1986842
5	154m E	Railway Sidings	1886 - 1906	1998176
6	177m E	Brick Yard	1886	1989860
E	179m SE	Railway Station	1970	1990271
7	179m NE	Rope Walk	1970 - 1993	1991171
E	180m SE	Railway Building	1948	1993460
E	180m SE	Railway Building	1906	1996672
E	180m SE	Railway Building	1956	1999978
E	185m SE	Railway Building	1930	1996265
E	195m SE	Railway Station	1886	2000446
E	196m SE	Railway Station	1979 - 1993	1996952
E	198m SE	Railway Station	1948 - 1956	1996502
E	198m SE	Railway Station	1906	2000145
E	199m SE	Railway Station	1886	1991708
E	203m SE	Railway Station	1930	2001913
8	219m E	Railway Sidings	1906	1990834
E	227m SE	Railway Building	1948	1987897
9	244m E	Clay Pit	1886	1993566
I	249m SE	Unspecified Works	1979 - 1993	1996296
J	253m N	Unspecified Mills	1886	2000360
J	257m N	Unspecified Mills	1906	1997939
I	265m SE	Cycle Works	1906	1988585
J	273m N	Unspecified Mills	1930	2000585



ID	Location	Land use	Dates present	Group ID
J	281m N	Unspecified Mills	1886	1996602
K	307m E	Tileries	1930	1999709
L	329m E	Windmill	1886	1987217
L	329m E	Unspecified Windmill	1886	1988333
M	337m N	Tileries	1956	1991265
N	337m N	Tileries	1948	2001089
M	344m N	Brick Yard	1886	2000735
10	346m N	Railway Sidings	1970 - 1993	1996292
M	348m N	Brick Works	1906	1994080
O	354m NW	Brick Works	1930	1990306
11	378m E	Unspecified Ground Workings	1886	1985856
M	388m N	Tileries	1948	2001950
N	390m N	Brick Works	1938	1997192
N	390m N	Brick Works	1908	2001113
M	400m NE	Railway Sidings	1906	1999157
12	414m NW	Unspecified Heap	1930	1990688
O	417m NW	Brick Works	1956	1995095
O	417m NW	Unspecified Pits	1886 - 1956	2001546
O	418m NW	Unspecified Pit	1948	1991672
M	424m NE	Railway Sidings	1908	1990865
M	424m NE	Railway Sidings	1938 - 1948	2001327
K	424m NE	Clay Pit	1886	1987247
K	424m NE	Clay Works	1886	1985604
Q	443m N	Chemical Works	1886	1998411
14	448m NE	Unspecified Heap	1948 - 1956	1992208
K	450m NE	Railway Sidings	1930	1990667
R	450m NE	Unspecified Ground Workings	1930	1994569
K	457m NE	Railway Sidings	1948	1992642



ID	Location	Land use	Dates present	Group ID
S	460m NW	Brick Works	1938	1990077
S	460m NW	Brick Works	1948	1990078
S	460m NW	Brick Works	1938	1990079
S	460m NW	Brick Works	1948	1990080
T	460m NW	Unspecified Ground Workings	1948	1996692
T	461m NW	Unspecified Pit	1948	1990746
Q	461m N	Chemical Works	1948 - 1956	1994262
K	462m NE	Railway Sidings	1956	1997134
R	468m E	Unspecified Pit	1948 - 1956	1994988
O	470m NW	Brick Yard	1886	1998988
Q	470m N	Chemical Works	1906	1993749
O	473m NW	Railway Sidings	1930	1990339
O	474m NW	Brick Works	1948	1993393
O	475m NW	Railway Sidings	1948	1990470
15	477m S	Unspecified Works	1970 - 1993	2001457
16	478m SW	Unspecified Depot	1970 - 1993	2000661
17	481m N	Chemical Works	1970 - 1979	1990844
18	489m NE	Chemical Works	1993	1994030
19	491m NW	Unspecified Pit	1948	1993116

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

25

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
A	54m SW	Unspecified Tank	1969	335818
A	54m SW	Unspecified Tank	1987	337170
A	58m SW	Unspecified Tank	1974 - 1982	334133
E	81m E	Unspecified Tank	1967 - 1974	334913
F	93m S	Unspecified Tank	1974	332581
F	93m S	Gasholders	1967	333736
F	97m SW	Gas Works	1888	337646
F	102m S	Gasometer	1888	337382
F	104m S	Gasholders	1967	333735
F	104m S	Unspecified Tank	1974	337354
F	110m S	Unspecified Tank	1932	334953
D	111m E	Unspecified Tank	1974 - 1987	335043
D	111m E	Unspecified Tank	1969	336690
D	113m NE	Unspecified Tank	1967	332584
E	123m SE	Tanks	1932	336131
G	135m SW	Tanks	1996	337003
G	135m SW	Tanks	1974 - 1982	334295
G	136m SW	Tanks	1996	331950
G	136m SW	Tanks	1987	337181
G	136m SW	Tanks	1969	335373
G	184m SW	Unspecified Tank	1996	334492
G	185m SW	Unspecified Tank	1974 - 1982	334141
G	186m SW	Unspecified Tank	1987	336547
G	186m SW	Unspecified Tank	1969	337036
M	432m NE	Tanks	1983 - 1990	335775

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

16

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
F	93m S	Gasholders	1967	217907
F	97m SW	Gas Works	1888	219557
F	102m S	Gasometer	1888	220093
F	104m S	Gasholders	1967	217906
D	109m E	Electricity Substation	1996	217449
G	129m W	Electricity Substation	1974 - 1996	220269
G	131m W	Electricity Substation	1969	218684
E	142m SE	Electricity Substation	1987 - 1996	218597
H	216m S	Electricity Substation	1987	218361
H	216m S	Electricity Substation	1996	218270
H	217m S	Electricity Substation	1969	218513
H	218m S	Electricity Transformer	1967 - 1974	219561
H	218m S	Electricity Substation	1982	219281
P	370m NW	Electricity Transformer	1969	220514
P	375m NW	Electricity Transformer	1974	219981
13	425m SE	Electricity Substation	1974 - 1992	219397

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

2

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'.

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

ID	Location	Land use	Dates present	Group ID
E	126m SE	Garage	1996	67031
E	126m SE	Garage	1987	67310

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

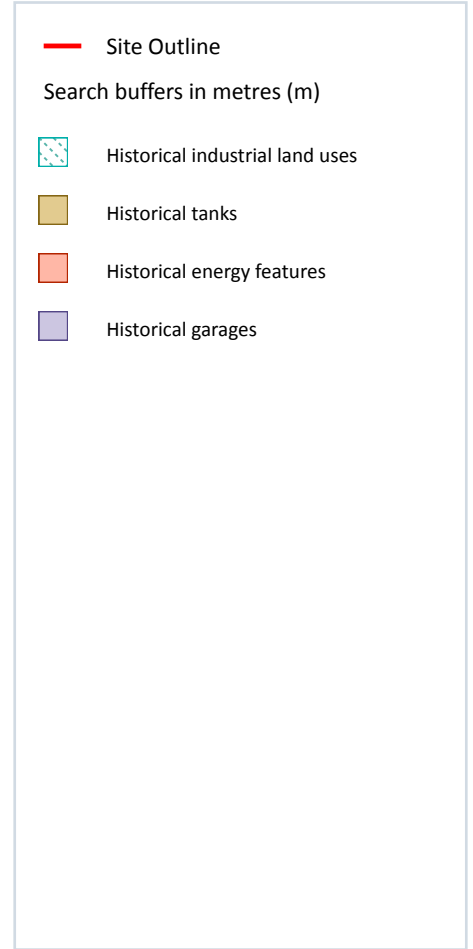
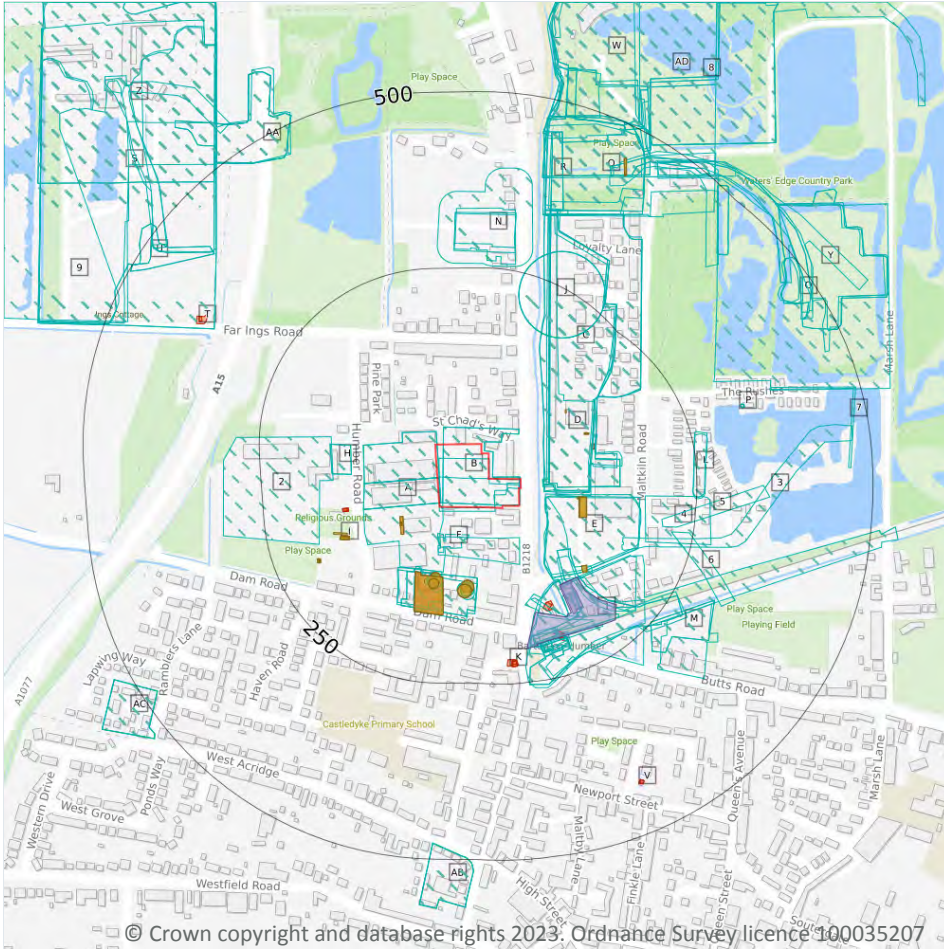
0

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	148
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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 23 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Works	1993	1996364
A	On site	Unspecified Works	1979	1996364
A	On site	Unspecified Works	1979	2001539

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Warehouse	1993	2000982
A	On site	Unspecified Warehouse	1979	2000982
B	On site	Unspecified Depot	1993	1996536
B	On site	Unspecified Depot	1979	1996536
B	On site	Whiting Works	1930	2002146
B	On site	Whiting Works	1906	2002146
C	31m E	Rope Works	1956	1998186
C	31m E	Rope Works	1886	2002029
C	33m E	Rope Works	1948	1990502
C	33m E	Rope Works	1906	2002029
C	33m E	Rope Works	1886	1991880
D	34m E	Rope Works	1930	1996916
E	36m E	Brick Yard	1886	1997194
E	37m E	Unspecified Commercial/Industrial	1930	1988487
E	37m E	Brick Yard	1886	1997194
F	38m SW	Corn Windmill	1886	1990627
E	38m E	Brick Works	1906	1985693
C	41m E	Rope Works	1993	1998186
C	41m E	Rope Works	1970	1998186
C	41m E	Rope Works	1979	1998186
F	42m SW	Corn Windmill	1886	1990627
E	83m SE	Railway Sidings	1948	2001222
E	83m SE	Railway Sidings	1906	2001222
G	89m SW	Gas Works	1886	1995545
G	92m SW	Unspecified Commercial/Industrial	1948	2001181
G	92m SW	Gas Works	1906	1993060
E	92m SE	Railway Sidings	1930	2001222
G	93m SW	Gas Works	1886	1995545



ID	Location	Land Use	Date	Group ID
G	93m S	Gasometer	1886	1998670
G	96m S	Unspecified Tank	1970	1991546
G	96m S	Unspecified Tank	1956	1991546
G	96m SW	Unspecified Commercial/Industrial	1930	2001181
G	97m S	Unspecified Tank	1948	1999002
G	97m S	Gasometer	1906	1990953
G	97m S	Gasometer	1886	1998670
G	101m S	Unspecified Tank	1930	1999002
G	107m S	Unspecified Tank	1970	1996736
G	107m S	Unspecified Tank	1956	1996736
G	107m S	Unspecified Tank	1948	1996387
G	107m S	Gasometer	1906	1987858
G	112m S	Unspecified Tank	1930	1995829
E	117m SE	Unspecified Industrial/Commercial	1886	1987258
E	119m SE	Railway Sidings	1886	2001222
H	120m W	Unspecified Depot	1993	1991544
H	120m W	Unspecified Depot	1979	1991544
E	120m SE	Railway Building	1886	2002323
1	121m SE	Railway Sidings	1956	1991137
E	129m SE	Railway Sidings	1886	1993243
E	133m SE	Railway Sidings	1886	1996183
E	142m SE	Railway Building	1956	1990568
E	145m SE	Railway Building	1993	1992505
E	145m SE	Railway Building	1970	1992505
E	145m SE	Railway Building	1979	1992505
2	147m W	Unspecified Works	1979	1986842
3	154m E	Railway Sidings	1886	1998176
4	177m E	Brick Yard	1886	1989860



ID	Location	Land Use	Date	Group ID
E	179m SE	Railway Station	1970	1990271
J	179m NE	Rope Walk	1993	1991171
J	179m NE	Rope Walk	1970	1991171
J	179m NE	Rope Walk	1979	1991171
E	180m SE	Railway Building	1948	1993460
E	180m SE	Railway Building	1906	1996672
E	180m SE	Railway Building	1956	1999978
E	185m SE	Railway Building	1930	1996265
E	195m SE	Railway Station	1886	2000446
E	196m SE	Railway Station	1993	1996952
E	196m SE	Railway Station	1979	1996952
E	198m SE	Railway Station	1956	1996502
E	198m SE	Railway Station	1948	1996502
E	198m SE	Railway Station	1906	2000145
E	199m SE	Railway Station	1886	1991708
E	203m SE	Railway Station	1930	2001913
5	203m E	Railway Sidings	1906	1998176
6	219m E	Railway Sidings	1906	1990834
E	227m SE	Railway Building	1948	1987897
L	244m E	Clay Pit	1886	1993566
L	245m E	Clay Pit	1886	1993566
M	249m SE	Unspecified Works	1993	1996296
M	249m SE	Unspecified Works	1979	1996296
N	253m N	Unspecified Mills	1886	2000360
N	257m N	Unspecified Mills	1906	1997939
M	265m SE	Cycle Works	1906	1988585
N	273m N	Unspecified Mills	1930	2000585
N	281m N	Unspecified Mills	1886	1996602



ID	Location	Land Use	Date	Group ID
O	307m E	Tileries	1930	1999709
P	329m E	Windmill	1886	1987217
P	329m E	Unspecified Windmill	1886	1988333
Q	337m N	Tileries	1956	1991265
Q	337m N	Tileries	1948	2001089
Q	344m N	Brick Yard	1886	2000735
R	346m N	Railway Sidings	1993	1996292
R	346m N	Railway Sidings	1970	1996292
R	346m N	Railway Sidings	1979	1996292
Q	348m N	Brick Works	1906	1994080
Q	351m N	Brick Yard	1886	2000735
S	354m NW	Brick Works	1930	1990306
S	354m NW	Brick Works	1930	1990306
7	378m E	Unspecified Ground Workings	1886	1985856
Q	388m N	Tileries	1948	2001950
Q	390m N	Brick Works	1938	1997192
Q	390m N	Brick Works	1908	2001113
Q	400m NE	Railway Sidings	1906	1999157
U	414m NW	Unspecified Heap	1930	1990688
U	414m NW	Unspecified Heap	1930	1990688
S	417m NW	Brick Works	1956	1995095
S	417m NW	Unspecified Pits	1956	2001546
S	418m NW	Unspecified Pit	1948	1991672
Q	424m NE	Railway Sidings	1938	2001327
Q	424m NE	Railway Sidings	1908	1990865
O	424m NE	Clay Pit	1886	1987247
O	424m NE	Clay Works	1886	1985604
Q	442m NE	Railway Sidings	1948	2001327



ID	Location	Land Use	Date	Group ID
W	443m N	Chemical Works	1886	1998411
X	448m NE	Unspecified Heap	1956	1992208
O	450m NE	Railway Sidings	1930	1990667
Y	450m NE	Unspecified Ground Workings	1930	1994569
Y	450m NE	Unspecified Ground Workings	1930	1994569
X	452m NE	Unspecified Heap	1948	1992208
O	457m NE	Railway Sidings	1948	1992642
Z	460m NW	Brick Works	1948	1990080
Z	460m NW	Brick Works	1948	1990078
AA	460m NW	Unspecified Ground Workings	1948	1996692
AA	460m NW	Unspecified Ground Workings	1948	1996692
AA	461m NW	Unspecified Pit	1948	1990746
W	461m N	Chemical Works	1948	1994262
O	462m NE	Railway Sidings	1956	1997134
Y	468m E	Unspecified Pit	1956	1994988
S	470m NW	Brick Yard	1886	1998988
W	470m N	Chemical Works	1906	1993749
W	472m N	Chemical Works	1956	1994262
S	473m NW	Railway Sidings	1930	1990339
S	474m NW	Brick Works	1948	1993393
S	475m NW	Railway Sidings	1948	1990470
W	476m N	Chemical Works	1886	1998411
AB	477m S	Unspecified Works	1993	2001457
AB	477m S	Unspecified Works	1970	2001457
AB	477m S	Unspecified Works	1979	2001457
AC	478m SW	Unspecified Depot	1993	2000661
AC	478m SW	Unspecified Depot	1970	2000661
AC	478m SW	Unspecified Depot	1979	2000661



ID	Location	Land Use	Date	Group ID
AD	481m N	Chemical Works	1970	1990844
AD	481m N	Chemical Works	1979	1990844
Y	485m NE	Unspecified Pit	1948	1994988
8	489m NE	Chemical Works	1993	1994030
9	491m NW	Unspecified Pit	1948	1993116

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	37
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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 23 >](#)

ID	Location	Land Use	Date	Group ID
A	54m SW	Unspecified Tank	1969	335818
A	54m SW	Unspecified Tank	1987	337170
A	58m SW	Unspecified Tank	1974	334133
A	58m SW	Unspecified Tank	1982	334133
E	81m E	Unspecified Tank	1969	334913
E	82m E	Unspecified Tank	1967	334913
E	82m E	Unspecified Tank	1974	334913
G	93m S	Gasholders	1967	333736
G	93m S	Unspecified Tank	1974	332581
G	97m SW	Gas Works	1888	337646
G	97m SW	Gas Works	1888	337646
G	102m S	Gasometer	1888	337382
G	102m S	Gasometer	1888	337382
G	104m S	Gasholders	1967	333735
G	104m S	Unspecified Tank	1974	337354



ID	Location	Land Use	Date	Group ID
G	110m S	Unspecified Tank	1932	334953
G	110m S	Unspecified Tank	1932	334953
D	111m E	Unspecified Tank	1969	336690
D	111m E	Unspecified Tank	1987	335043
D	112m E	Unspecified Tank	1974	335043
D	112m E	Unspecified Tank	1982	335043
D	113m NE	Unspecified Tank	1967	332584
E	123m SE	Tanks	1932	336131
E	123m SE	Tanks	1932	336131
I	135m SW	Tanks	1996	337003
I	135m SW	Tanks	1974	334295
I	135m SW	Tanks	1982	334295
I	136m SW	Tanks	1996	331950
I	136m SW	Tanks	1969	335373
I	136m SW	Tanks	1987	337181
I	184m SW	Unspecified Tank	1996	334492
I	185m SW	Unspecified Tank	1974	334141
I	185m SW	Unspecified Tank	1982	334141
I	186m SW	Unspecified Tank	1969	337036
I	186m SW	Unspecified Tank	1987	336547
Q	432m NE	Tanks	1990	335775
Q	433m NE	Tanks	1983	335775

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

28

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 23](#) >

ID	Location	Land Use	Date	Group ID
G	93m S	Gasholders	1967	217907
G	97m SW	Gas Works	1888	219557
G	97m SW	Gas Works	1888	219557
G	102m S	Gasometer	1888	220093
G	102m S	Gasometer	1888	220093
G	104m S	Gasholders	1967	217906
D	109m E	Electricity Substation	1996	217449
I	129m W	Electricity Substation	1974	220269
I	129m W	Electricity Substation	1982	220269
I	129m W	Electricity Substation	1996	220269
I	131m W	Electricity Substation	1969	218684
I	131m W	Electricity Substation	1987	220269
E	142m SE	Electricity Substation	1996	218597
E	142m SE	Electricity Substation	1987	218597
K	216m S	Electricity Substation	1987	218361
K	216m S	Electricity Substation	1996	218270
K	217m S	Electricity Substation	1969	218513
K	218m S	Electricity Transformer	1967	219561
K	218m S	Electricity Transformer	1974	219561
K	218m S	Electricity Substation	1982	219281
T	370m NW	Electricity Transformer	1969	220514
T	375m NW	Electricity Transformer	1974	219981
V	425m SE	Electricity Substation	1983	219397
V	425m SE	Electricity Substation	1992	219397
V	425m SE	Electricity Substation	1983	219397
V	425m SE	Electricity Substation	1992	219397
V	425m SE	Electricity Substation	1974	219397



ID	Location	Land Use	Date	Group ID
V	425m SE	Electricity Substation	1982	219397

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0
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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	2
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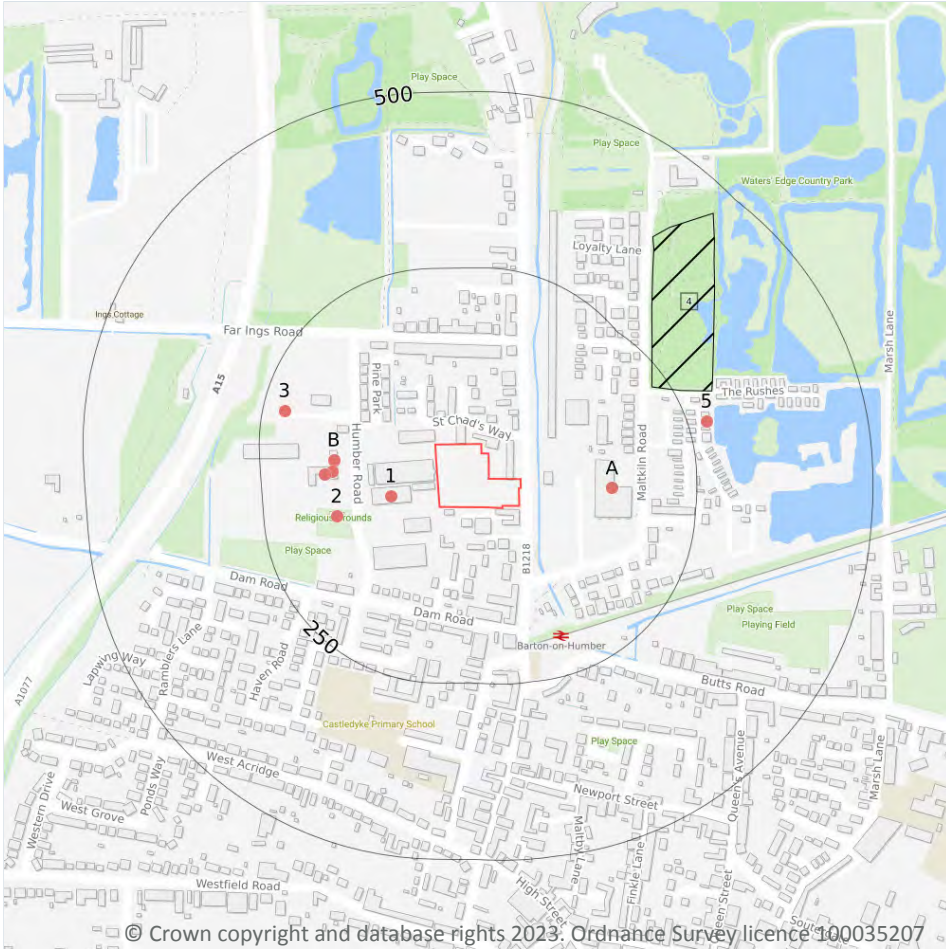
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 23 >](#)

ID	Location	Land Use	Date	Group ID
E	126m SE	Garage	1996	67031
E	126m SE	Garage	1987	67310

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Waste exemptions

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 33 >](#)

ID	Location	Details		
4	227m NE	Site Address: Chemical Works Site A, Barton Licence Holder Address: -	Waste Licence: - Site Reference: 55/16/0468 Waste Type: Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

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

10

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.

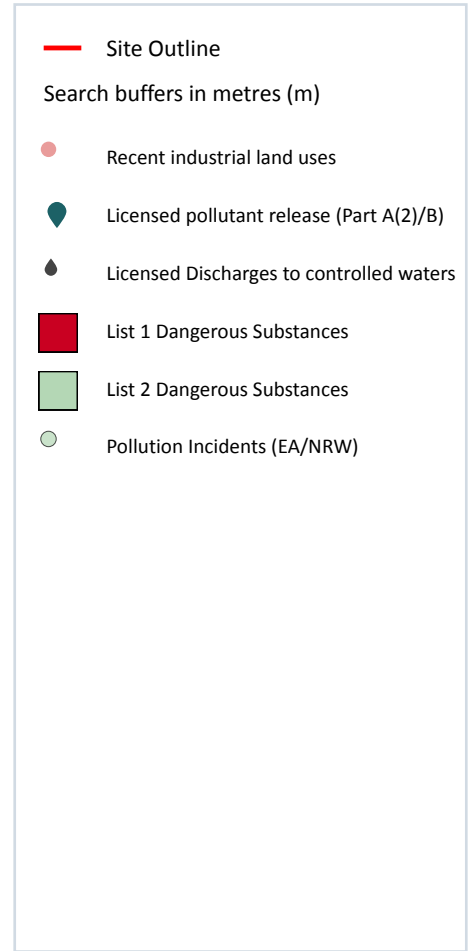
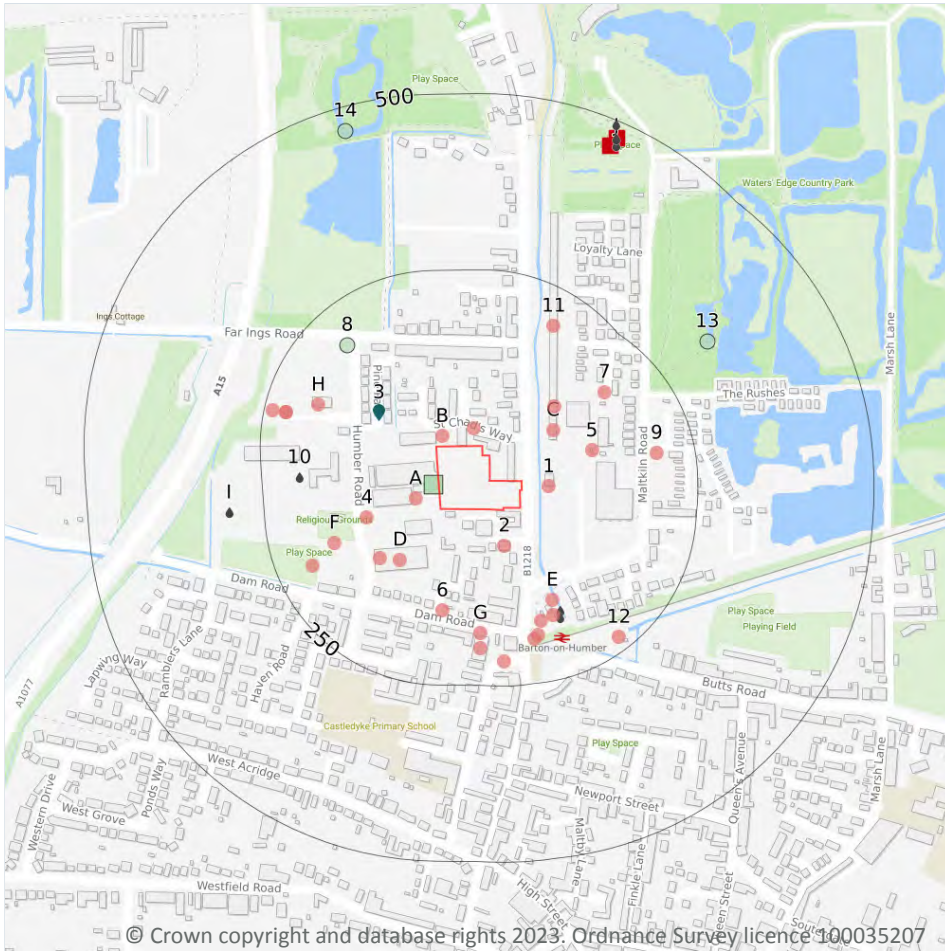
Features are displayed on the Waste and landfill map on [page 33 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
1	68m W	Bush Tyres, Humber Road, Barton on Humber, DN185BN	WEX107322	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	129m E	MALTKILN ROAD, BARTON-UPON-HUMBER, DN18 5JT	WEX114313	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	129m E	MALTKILN ROAD, BARTON-UPON-HUMBER, DN18 5JT	WEX255420	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	145m W	BPH Equipment Ltd, Humber Road, Barton Upon Humber, DN18 5BW	WEX154346	Storing waste exemption	Not on a Farm	Storage of waste in secure containers
B	145m W	BPH Equipment Ltd, Humber Road, Barton Upon Humber, DN18 5BW	WEX081421	Storing waste exemption	Not on a farm	Storage of waste in secure containers
2	147m W	Bush Tyres, Humber Road, Barton on Humber, DN185BN	WEX249466	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	149m W	-	WEX359905	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	160m W	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
3	220m W	-	WEX268584	Using waste exemption	Not on a farm	Use of waste in construction
5	276m E	Barton Broads, Malkin Lane, Barton on Humber, DN18 5SW	WEX102931	Using waste exemption	Not on a farm	Use of waste in construction

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



4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m **30**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 36](#) >

ID	Location	Company	Address	Activity	Category
B	15m NW	Pumping Station	Lincolnshire, DN18	Water Pumping Stations	Industrial Features
B	26m N	Electricity Sub Station	Lincolnshire, DN18	Electrical Features	Infrastructure and Facilities
A	34m W	Works	Lincolnshire, DN18	Unspecified Works Or Factories	Industrial Features



ID	Location	Company	Address	Activity	Category
1	38m E	Crane	Lincolnshire, DN18	Travelling Cranes and Gantries	Industrial Features
2	51m SE	Factory	Lincolnshire, DN18	Unspecified Works Or Factories	Industrial Features
C	85m NE	Treblecleff Studio	The Ropewalk, Maltkiln Road, Barton-upon-Humber, Lincolnshire, DN18 5JT	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
D	92m SW	Bush Tyres	Humber Road, -, Barton-upon-Humber, South Humberside, Lincolnshire, DN18 5BN	Vehicle Parts and Accessories	Motoring
4	105m W	Electricity Sub Station	Lincolnshire, DN18	Electrical Features	Infrastructure and Facilities
5	109m E	Electricity Sub Station	Lincolnshire, DN18	Electrical Features	Infrastructure and Facilities
D	111m SW	Works	Lincolnshire, DN18	Unspecified Works Or Factories	Industrial Features
C	116m NE	Pro-optocam	The Ropewalk, Maltkiln Road, Barton-upon-Humber, Lincolnshire, DN18 5JT	Electronic Equipment	Industrial Products
E	138m SE	Electricity Sub Station	Lincolnshire, DN18	Electrical Features	Infrastructure and Facilities
6	144m S	Gas Valve Compound	Lincolnshire, DN18	Gas Features	Infrastructure and Facilities
F	158m SW	Tanks	Lincolnshire, DN18	Tanks (Generic)	Industrial Features
E	159m SE	Slipway	Lincolnshire, DN18	Moorings and Unloading Facilities	Water
E	163m SE	Pumping Station	Lincolnshire, DN18	Water Pumping Stations	Industrial Features
7	173m NE	Electricity Sub Station	Lincolnshire, DN18	Electrical Features	Infrastructure and Facilities
G	176m S	Works	Lincolnshire, DN18	Unspecified Works Or Factories	Industrial Features
H	178m NW	Trainload Ltd	Stephenson House, Humber Road, Barton-upon-Humber, South Humberside, Lincolnshire, DN18 5BN	Special Purpose Machinery and Equipment	Industrial Products
E	182m SE	Mast	Lincolnshire, DN18	Telecommunications Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
E	187m S	Barton-On-Humber Rail Station	Lincolnshire, DN18	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
9	196m E	Electricity Sub Station	Lincolnshire, DN18	Electrical Features	Infrastructure and Facilities
G	197m S	Collingwood Engineering	Collingwood Engineering, Dam Road, Barton-upon-Humber, Lincolnshire, DN18 5AS	Precision Engineers	Engineering Services
11	198m NE	Humber Access Ltd	The Ropewalk, Malkiln Road, Barton-upon-Humber, Lincolnshire, DN18 5JT	Access Equipment	Industrial Products
F	199m SW	Tank	Lincolnshire, DN18	Tanks (Generic)	Industrial Features
G	215m S	Electricity Sub Station	Lincolnshire, DN18	Electrical Features	Infrastructure and Facilities
H	219m W	Stoneledge South Bank Ltd	-, Humber Road, Humber Road Industrial Estate, Barton-upon-Humber, Lincolnshire, DN18 5BN	Construction and Tool Hire	Hire Services
H	219m W	B A Bush & Son Ltd	-, Humber Road, Humber Road Industrial Estate, Barton-upon-Humber, Lincolnshire, DN18 5BN	Vehicle Parts and Accessories	Motoring
12	231m SE	Pumping Station	Lincolnshire, DN18	Water Pumping Stations	Industrial Features
H	238m W	Humber Road Self Store Ltd	Humber Road, -, Barton-upon-Humber, South Humberside, Lincolnshire, DN18 5BN	Container and Storage	Transport, Storage and Delivery

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
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
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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
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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
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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
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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

1

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 36 >](#)

ID	Location	Address	Details	
3	94m NW	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

12

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 36 >](#)

ID	Location	Address	Details	
E	157m SE	BARTON-FLEETGATE TERMINAL PS, WATERSIDE ROAD, BARTON-UPON-HUMBER, NORTH LINCOLNSHIRE, DN18 5FL	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW3TS307 Permit Version: 2 Receiving Water: Barton Haven	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 16/06/1992 Effective Date: 16/06/1992 Revocation Date: 24/08/2020
E	157m SE	BARTON-FLEETGATE TERMINAL PS, WATERSIDE ROAD, BARTON-UPON-HUMBER, NORTH LINCOLNSHIRE, DN18 5FL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: AW3TS307 Permit Version: 3 Receiving Water: Barton Haven	Status: VARIED UNDER EPR 2010 Issue date: 25/08/2020 Effective Date: 25/08/2020 Revocation Date: -
E	166m SE	FLEETGATE SPS, BARTON-UPON-HUMB, DN18	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW3TS307 Permit Version: 1 Receiving Water: Barton Haven	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 14/07/1987 Effective Date: 14/07/1987 Revocation Date: 15/06/1992
10	196m W	HUMBER ROAD, VEHICLE WASHINGS, BARTON-ON-HUMBER, 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
I	300m W	HUMBER ROAD, BARTON ON HUMBER, 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
I	300m W	HUMBER ROAD, BARTON ON HUMBER, 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: -



ID	Location	Address	Details	
J	466m NE	FARM PROTECTION LTD, MALTKILN ROAD, BARTON ON HUMBER, S HUMBERSIDE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: PRNNF03114 Permit Version: 1 Receiving Water: Trib Barton Haven	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 25/10/1990 Effective Date: 25/10/1990 Revocation Date: 28/04/1995
J	466m NE	FARM PROTECTION LTD, MALTKILN ROAD, BARTON ON HUMBER, S HUMBERSIDE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: PRNNF01325 Permit Version: 1 Receiving Water: Unnamed dyke	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 14/07/1989 Effective Date: 14/07/1989 Revocation Date: 17/03/1992
J	466m NE	FARM PROTECTION LTD, MALTKILN ROAD, BARTON ON HUMBER, S HUMBERSIDE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: PRNNF01325 Permit Version: 2 Receiving Water: unnamed dyke	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 18/03/1992 Effective Date: 18/03/1992 Revocation Date: 28/04/1995
J	475m NE	CHEMICAL LANE, BARTON-ON-HUMBER, S.HUMBERSIDE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: PRNTS02659 Permit Version: 2 Receiving Water: Trib Barton Haven	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 26/01/1993 Effective Date: 26/01/1993 Revocation Date: 27/04/1995
J	475m NE	CHEMICAL LANE, BARTON-ON-HUMBER, S.HUMBERSIDE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: PRNTS02659 Permit Version: 3 Receiving Water: dyke tributary Barton Haven	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 28/04/1995 Effective Date: 28/04/1995 Revocation Date: 29/06/2000
J	493m N	MTM AGROCHEMICALS, CHEMICAL WORKS, MALTKILN ROAD, BARTON, HUMBERSIDE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: PRNTS02659 Permit Version: 1 Receiving Water: Trib Barton Haven	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 24/08/1990 Effective Date: 24/08/1990 Revocation Date: 25/01/1993

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

2

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.

Features are displayed on the Current industrial land use map on [page 36 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
J	462m N	Britag	Not Active	River Humber	Mercury (other), Cadmium
J	475m NE	Mtm Agrochemicals	Active	River Humber	Mercury (other), Hexachlorocyclohexane

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

4.17 List 2 Dangerous Substances

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on [page 36 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
A	8m W	Weir Turbomachinery	Not Active	Na	pH

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

3

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 36 >](#)

ID	Location	Details	
8	191m NW	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)
13	329m NE	Incident Date: 22/10/2004 Incident Identification: 273453 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
14	466m N	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)

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

4.19 Pollution inventory substances

Records within 500m

0

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

Records within 500m

0

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

Records within 500m

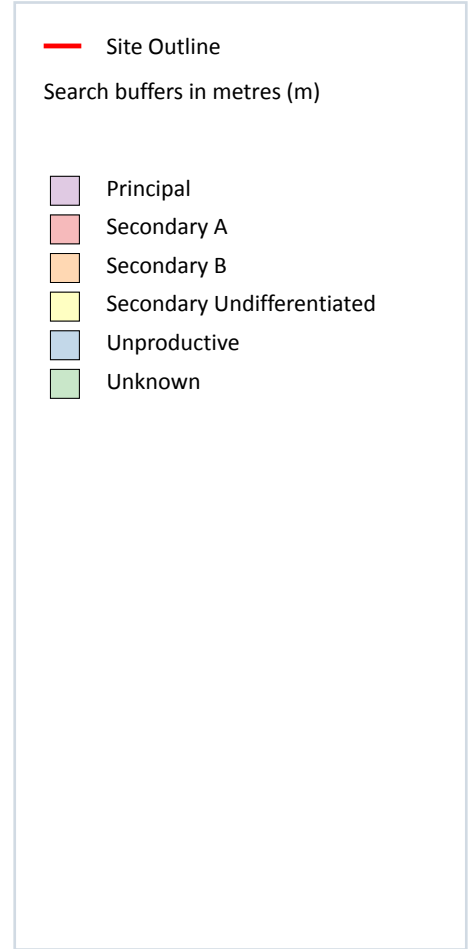
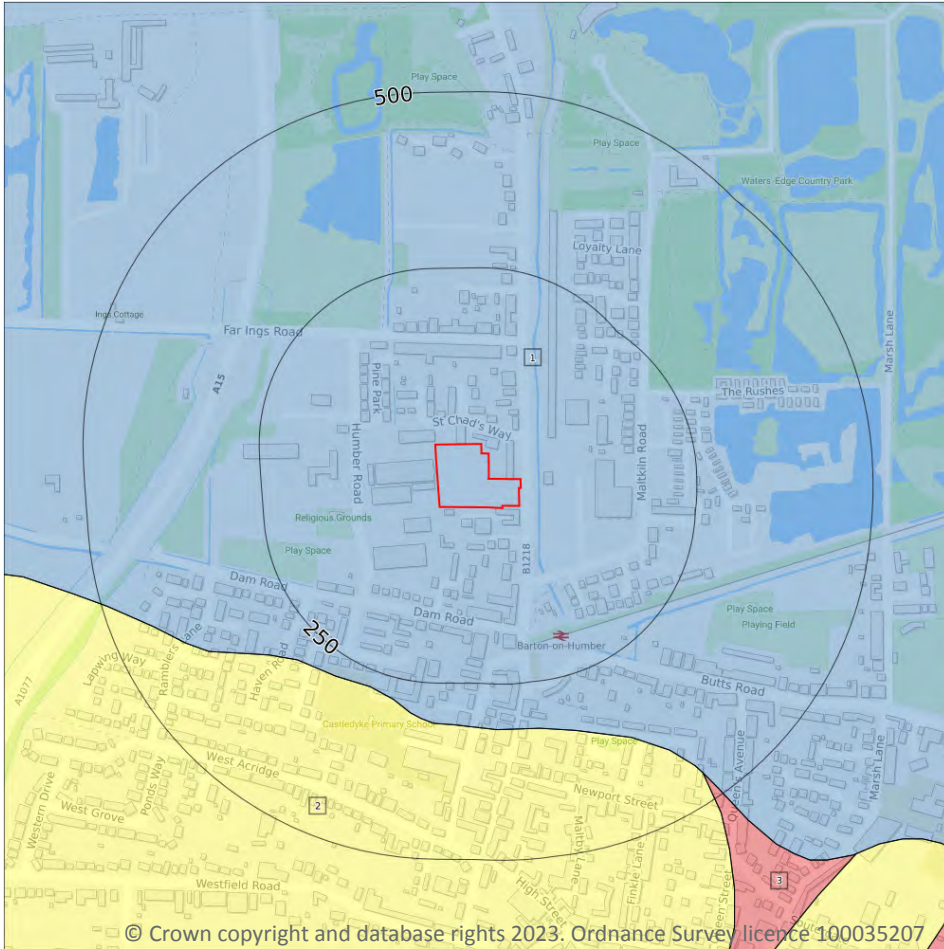
0

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

3

Aquifer status of groundwater held within superficial geology.

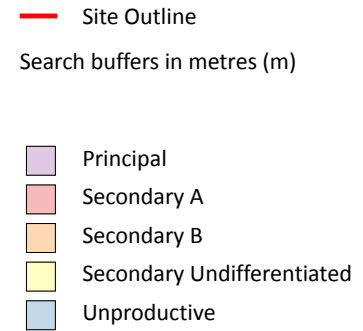
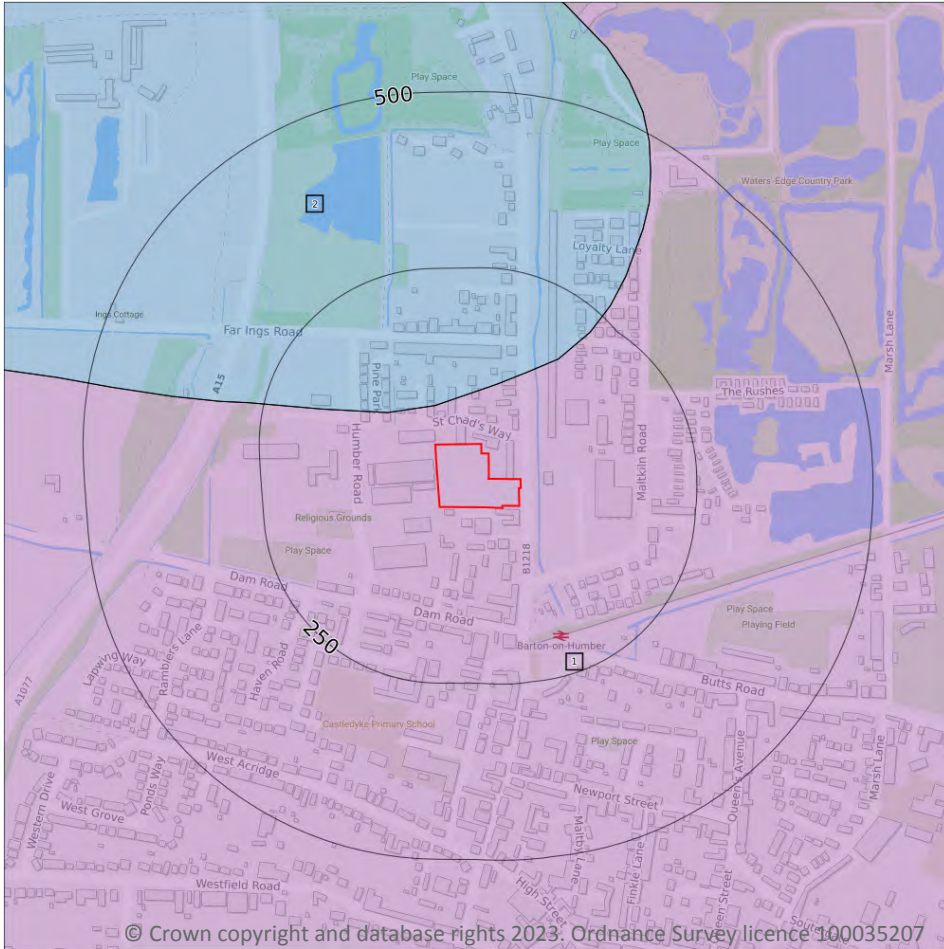
Features are displayed on the Hydrogeology map on [page 46 >](#)

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	273m SW	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

ID	Location	Designation	Description
3	460m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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.

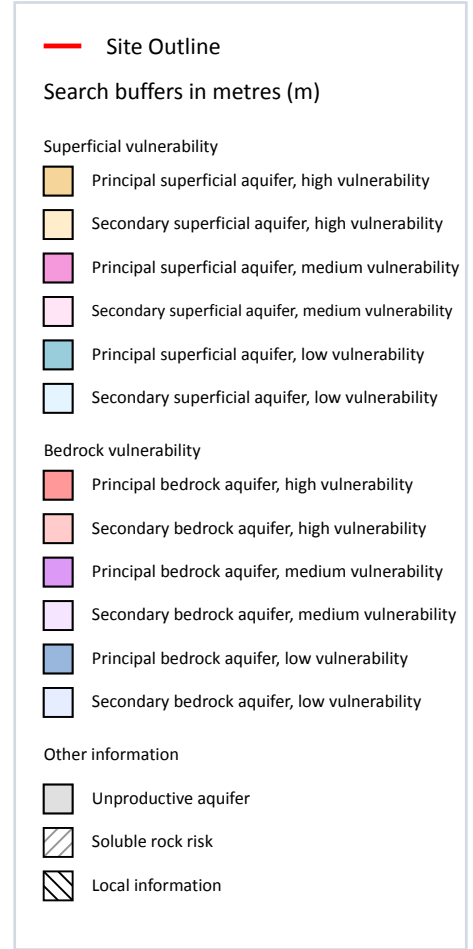
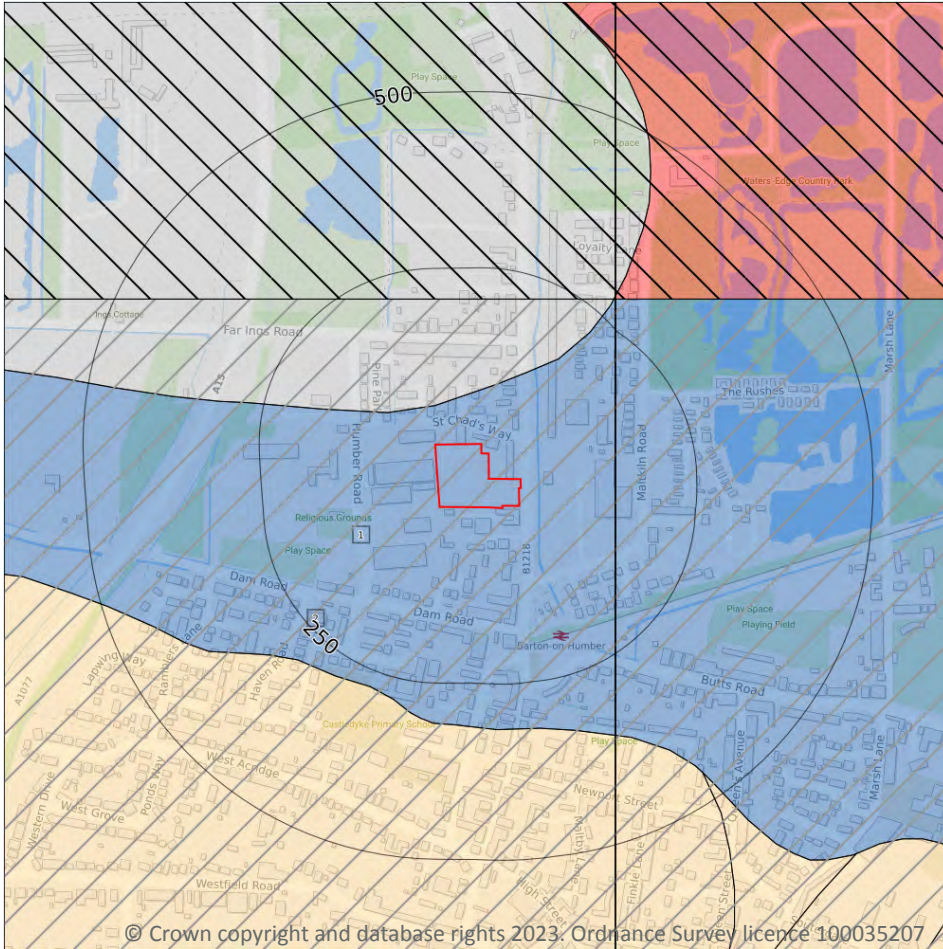
Features are displayed on the Bedrock aquifer map on [page 48 >](#)

ID	Location	Designation	Description
1	On site	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
2	55m NW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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

1

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 49](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: 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

Records on site	1
------------------------	----------

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
2	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	31.0%

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

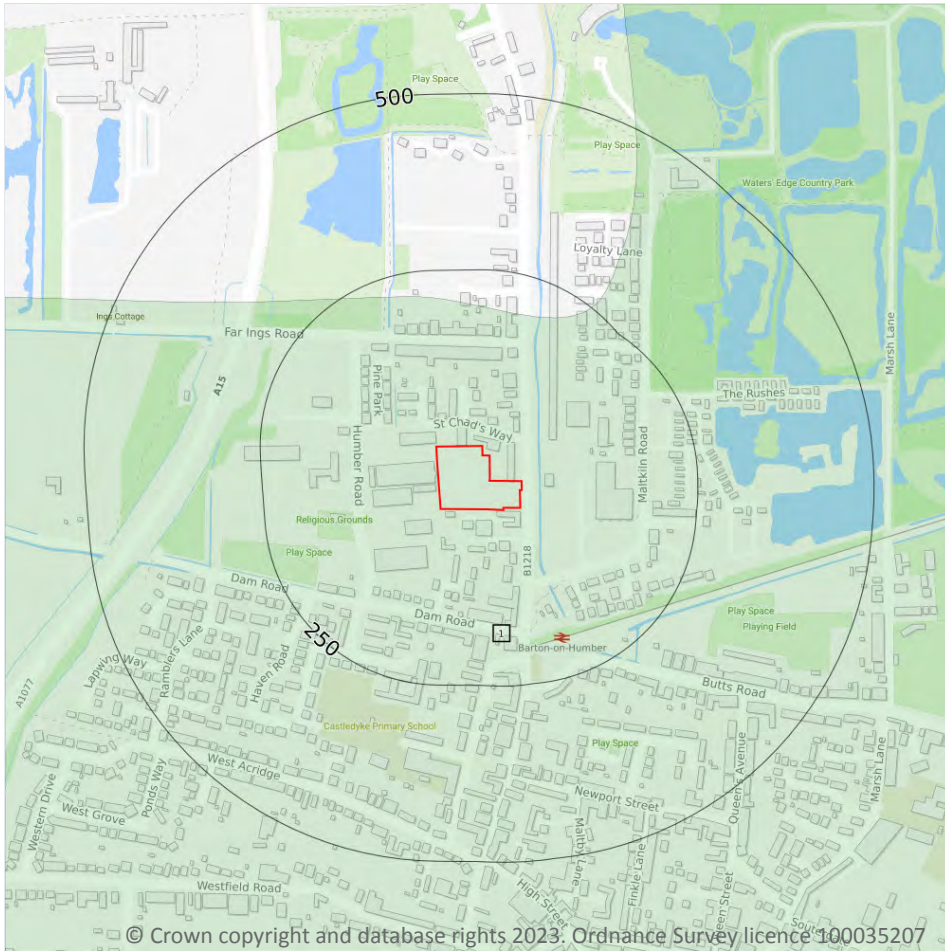
5.5 Groundwater vulnerability- local information

Records on site	0
------------------------	----------

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 ↗.

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

4

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 51](#) >

ID	Location	Details	
-	1861m SE	Status: Active Licence No: 4/29/09/*G/0043 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BARTON PUMPING STATION BORE 2 Data Type: Point Name: Anglian Water Services Ltd Easting: 503820 Northing: 421110	Annual Volume (m ³): 1377400 Max Daily Volume (m ³): 4000 Original Application No: NPS/WR/030437 Original Start Date: 01/05/1966 Expiry Date: - Issue No: 107 Version Start Date: 31/01/2022 Version End Date: -
-	1868m SE	Status: Active Licence No: 4/29/09/*G/0043 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BARTON PUMPING STATION BORE 3 Data Type: Point Name: Anglian Water Services Ltd Easting: 503800 Northing: 421090	Annual Volume (m ³): 1377400 Max Daily Volume (m ³): 4000 Original Application No: NPS/WR/030437 Original Start Date: 01/05/1966 Expiry Date: - Issue No: 107 Version Start Date: 31/01/2022 Version End Date: -
-	1873m SE	Status: Active Licence No: 4/29/09/*G/0043 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BARTON PUMPING STATION BORE 1 Data Type: Point Name: Anglian Water Services Ltd Easting: 503810 Northing: 421090	Annual Volume (m ³): 1377400 Max Daily Volume (m ³): 4000 Original Application No: NPS/WR/030437 Original Start Date: 01/05/1966 Expiry Date: - Issue No: 107 Version Start Date: 31/01/2022 Version End Date: -
-	1946m SW	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 ³): - Max Daily Volume (m ³): - 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

Records within 2000m

8

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 51 >](#)



ID	Location	Details	
-	685m 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 ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2002 Issue No: 1 Version Start Date: 16/03/2000 Version End Date: -
-	685m 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 ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2020 Issue No: 1 Version Start Date: 01/04/2004 Version End Date: -
-	950m NE	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 ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2002 Issue No: 1 Version Start Date: 16/03/2000 Version End Date: -
-	950m NE	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 ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2020 Issue No: 1 Version Start Date: 01/04/2004 Version End Date: -
-	1088m 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 ³): 36400 Max Daily Volume (m ³): 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: -



ID	Location	Details	
-	1149m 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: NORTH LINCOLNSHIRE COUNCIL Easting: 501600 Northing: 422900	Annual Volume (m ³): - Max Daily Volume (m ³): - 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: -
-	1635m 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 ³): 46000 Max Daily Volume (m ³): 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: -
-	1635m 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 ³): 46000 Max Daily Volume (m ³): 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: -

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

5.8 Potable abstractions

Records within 2000m

3

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.

Features are displayed on the Abstractions and Source Protection Zones map on [page 51 >](#)



ID	Location	Details	
-	1861m SE	Status: Active Licence No: 4/29/09/*G/0043 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BARTON PUMPING STATION BORE 2 Data Type: Point Name: Anglian Water Services Ltd Easting: 503820 Northing: 421110	Annual Volume (m ³): 1377400 Max Daily Volume (m ³): 4000 Original Application No: NPS/WR/030437 Original Start Date: 01/05/1966 Expiry Date: - Issue No: 107 Version Start Date: 31/01/2022 Version End Date: -
-	1868m SE	Status: Active Licence No: 4/29/09/*G/0043 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BARTON PUMPING STATION BORE 3 Data Type: Point Name: Anglian Water Services Ltd Easting: 503800 Northing: 421090	Annual Volume (m ³): 1377400 Max Daily Volume (m ³): 4000 Original Application No: NPS/WR/030437 Original Start Date: 01/05/1966 Expiry Date: - Issue No: 107 Version Start Date: 31/01/2022 Version End Date: -
-	1873m SE	Status: Active Licence No: 4/29/09/*G/0043 Details: Potable Water Supply - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BARTON PUMPING STATION BORE 1 Data Type: Point Name: Anglian Water Services Ltd Easting: 503810 Northing: 421090	Annual Volume (m ³): 1377400 Max Daily Volume (m ³): 4000 Original Application No: NPS/WR/030437 Original Start Date: 01/05/1966 Expiry Date: - Issue No: 107 Version Start Date: 31/01/2022 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	1
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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 51 >](#)

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)

Records within 500m

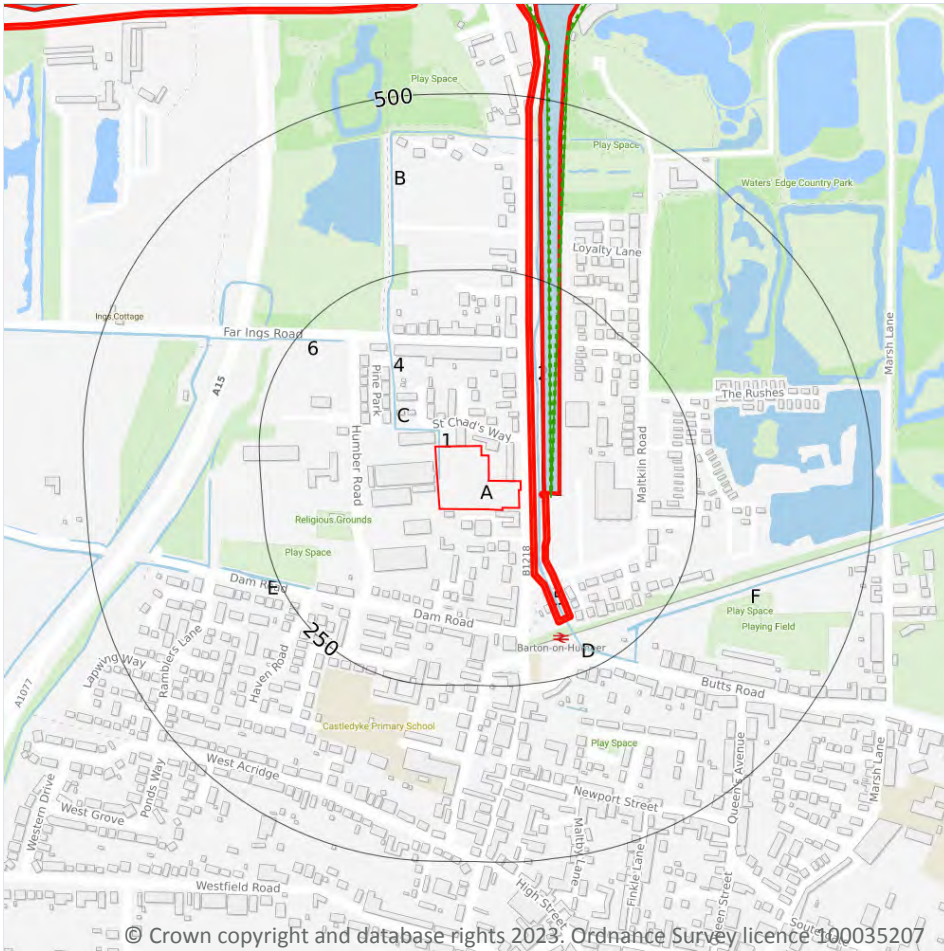
0

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



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

12

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 57 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
1	On site	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
2	26m E	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	63m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	104m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	123m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
D	125m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	181m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	198m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	215m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	231m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	237m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	237m SE	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

5

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 57 >](#)

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 57 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	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 57 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
3	31m E	Transi	HUMBER MIDDLE	GB530402609202 ↗	Moderate	Fail	Moderate	2019



ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2693m SE	River	Barrow Beck	GB104029067605 ↗	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
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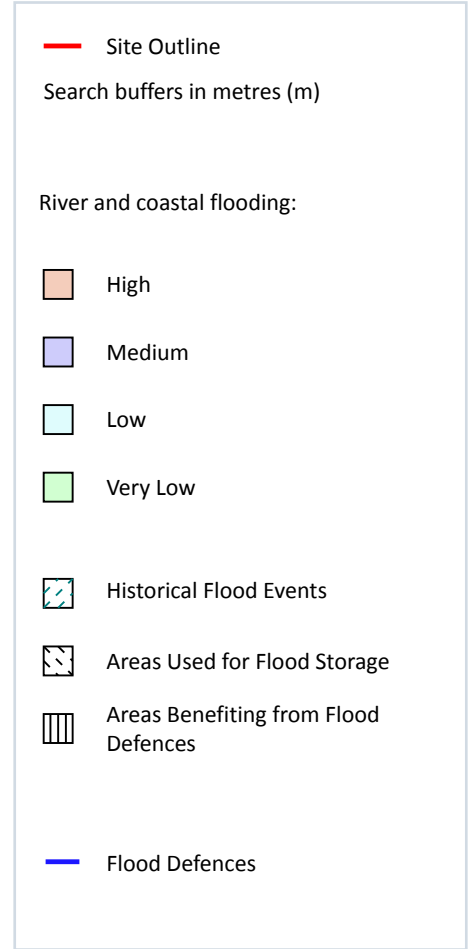
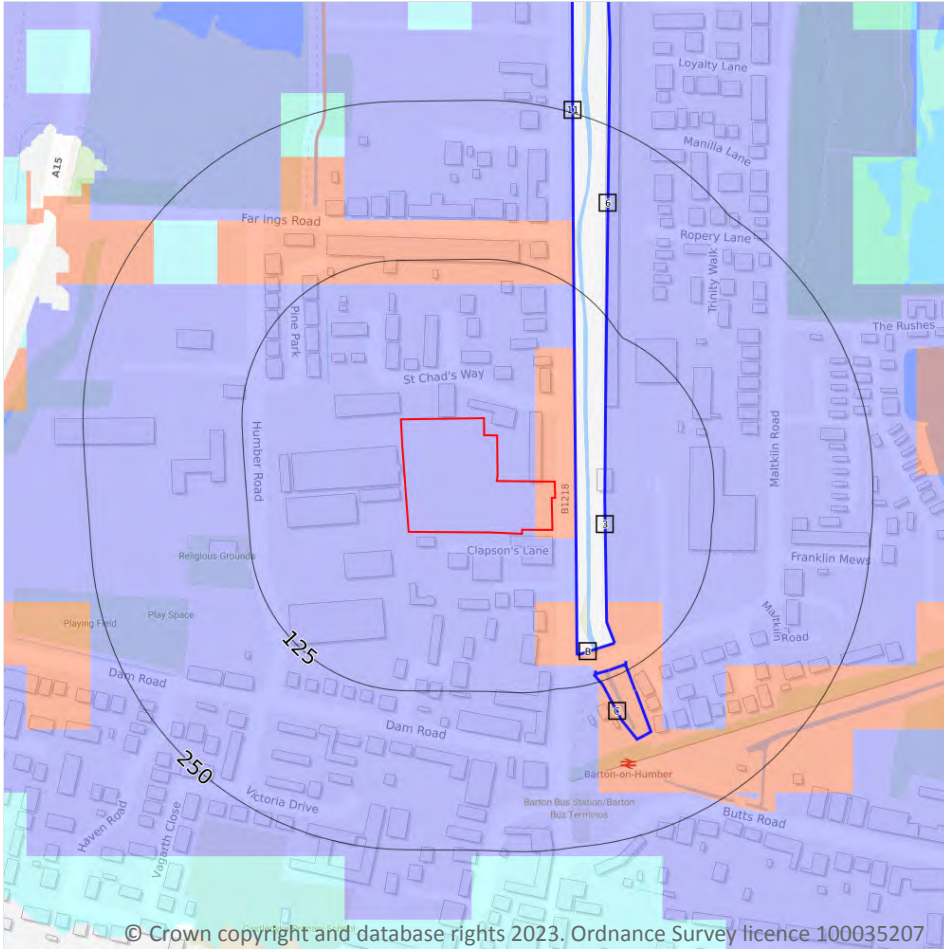
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 57 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	North Lincolnshire Chalk Unit	GB40401G401500 ↗	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

3

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 61](#) >

Distance	Flood risk category
On site	High
0 - 50m	High

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

7.2 Historical Flood Events

Records within 250m	0
----------------------------	----------

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.

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

7.3 Flood Defences

Records within 250m	13
----------------------------	-----------

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 61](#) >

ID	Location	Update
A	16m E	08/11/2022
3	39m E	08/11/2022
6	73m NE	08/11/2022
B	100m SE	08/11/2022
B	100m SE	08/11/2022
B	116m SE	08/11/2022
B	118m SE	08/11/2022
C	118m SE	08/11/2022
B	118m SE	08/11/2022
B	119m SE	08/11/2022



ID	Location	Update
B	120m SE	08/11/2022
C	143m SE	08/11/2022
11	173m N	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

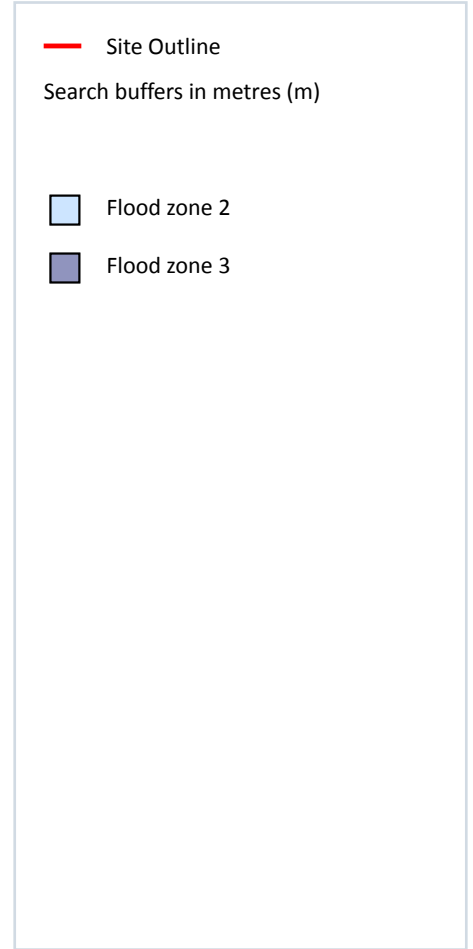
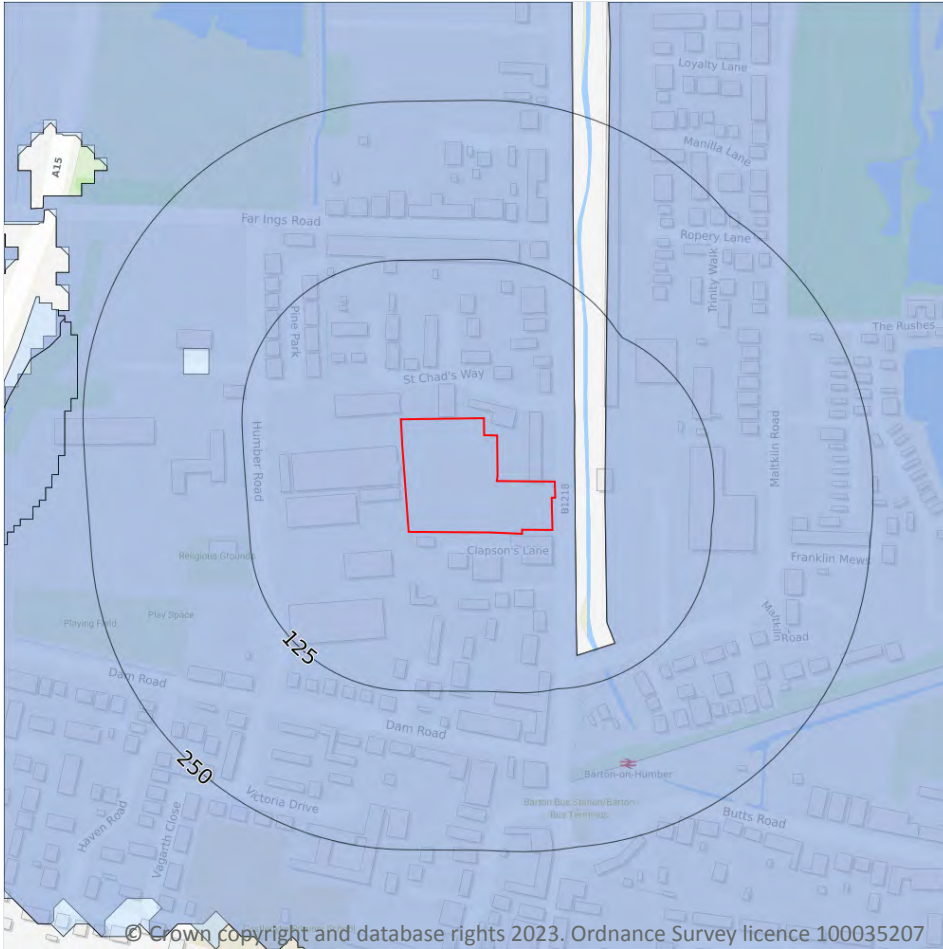
0

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



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 61](#) >

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.

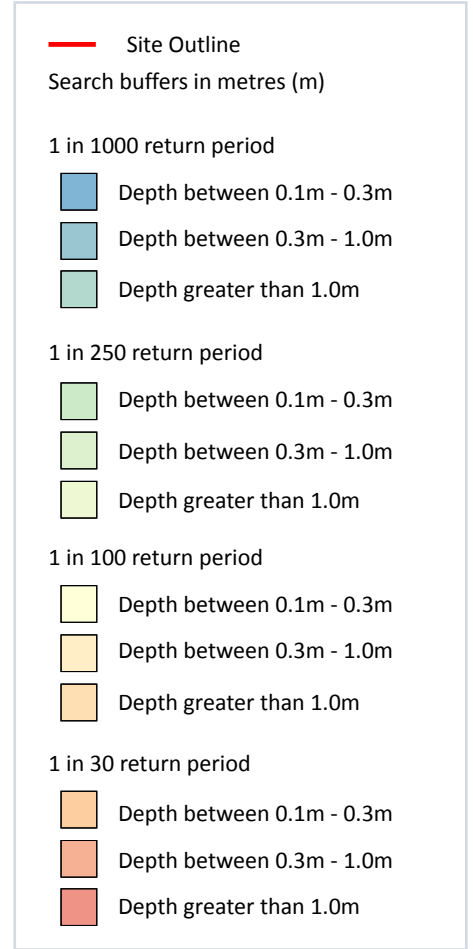
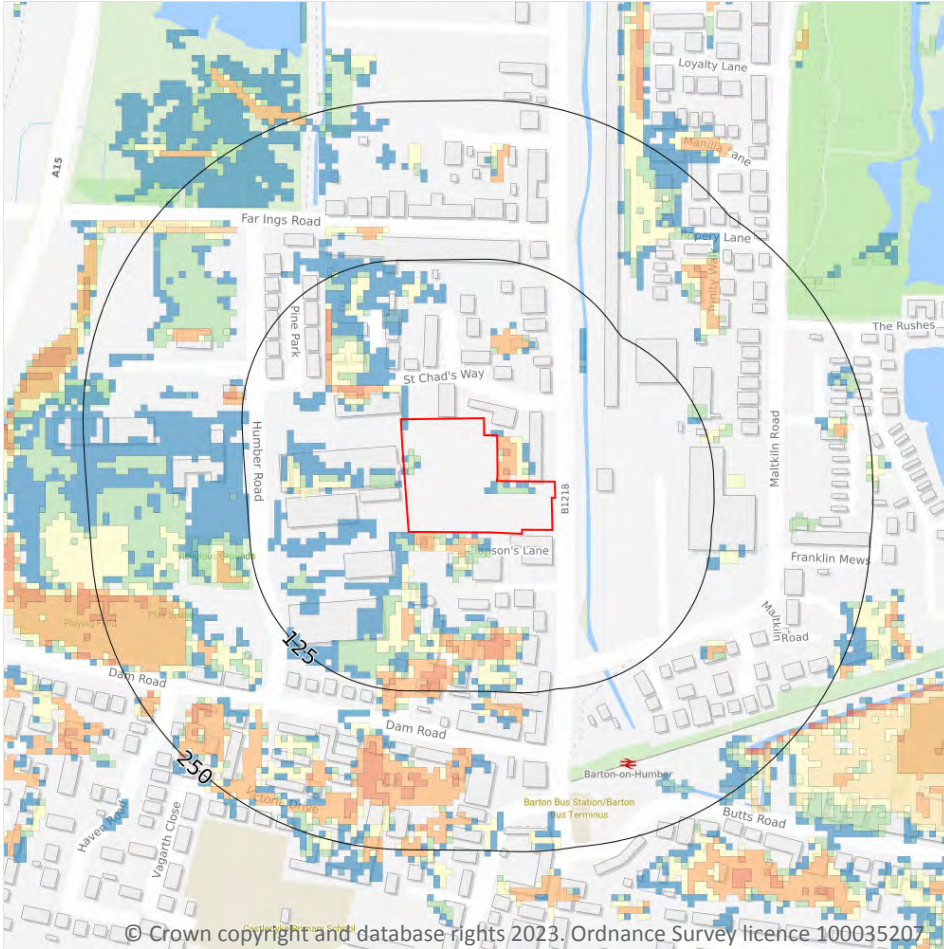
Features are displayed on the River and coastal flooding map on [page 61](#) >

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

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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 66 >](#)

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.

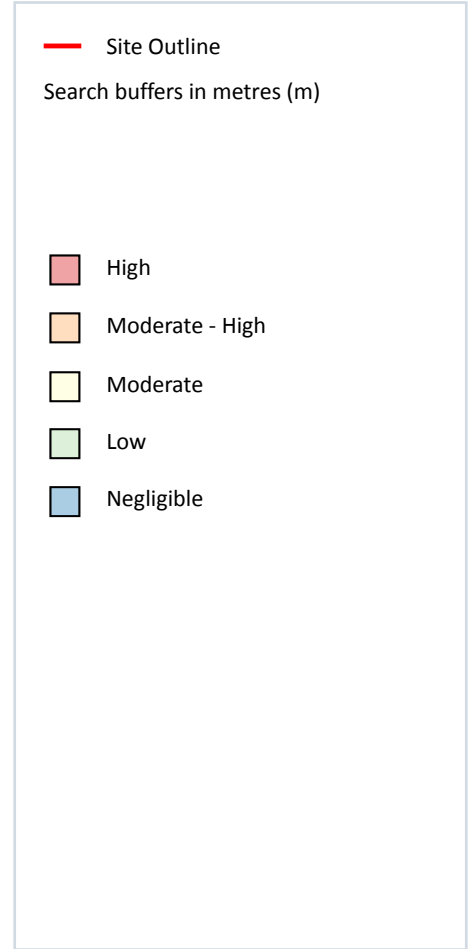
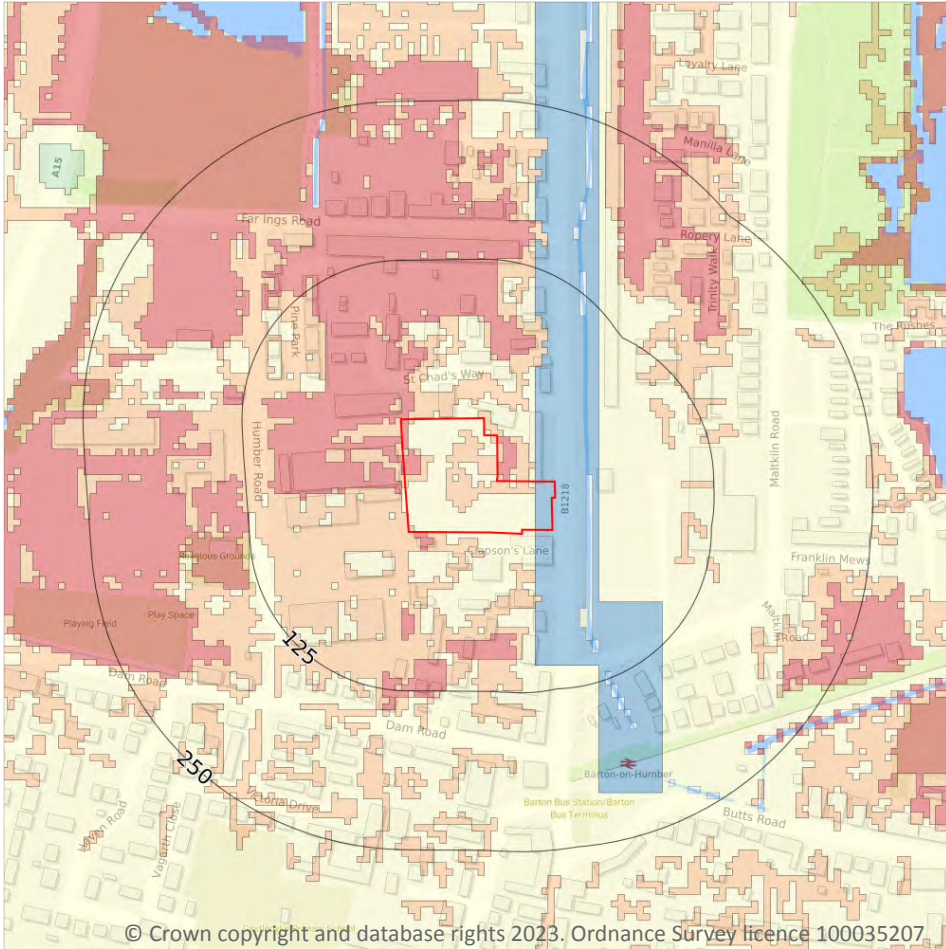
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

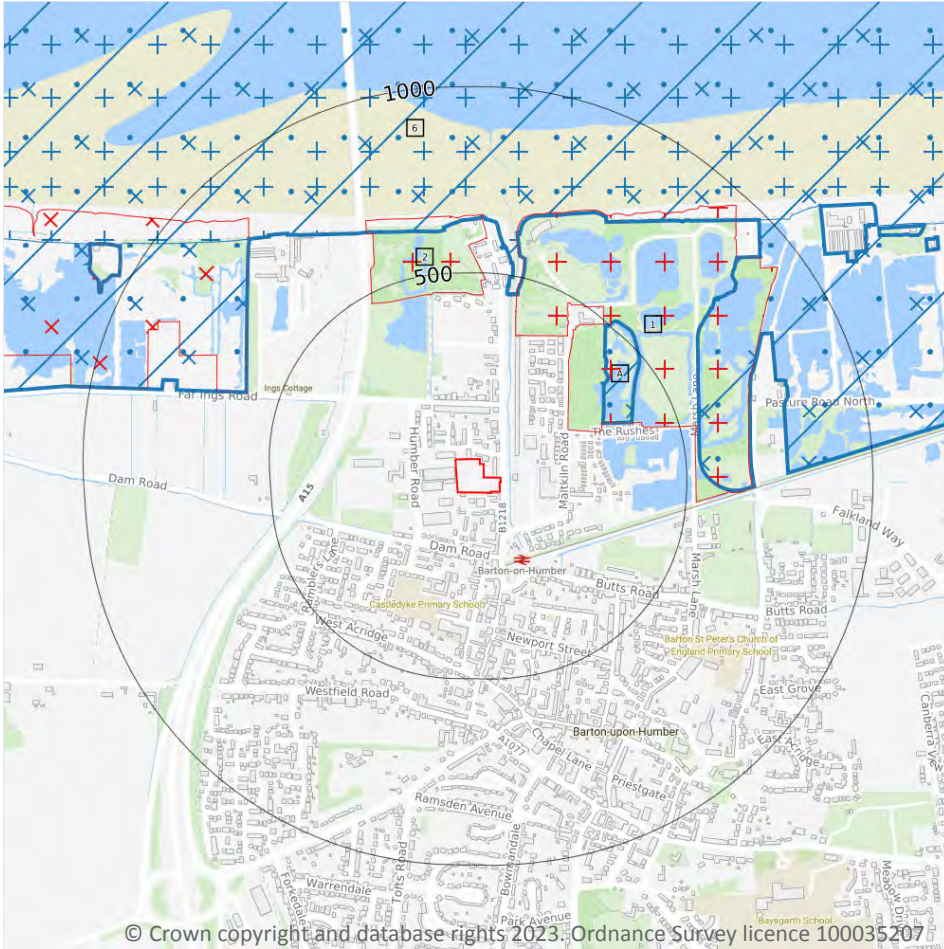
Highest risk on site	High
Highest risk within 50m	High

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 68](#) >

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- × Conserved wetland sites (Ramsar sites)
- + Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- × National Nature Reserves (NNR)
- + Local Nature Reserves (LNR)

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10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

4

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 69](#) >

ID	Location	Name	Data source
A	312m NE	Humber Estuary	Natural England



ID	Location	Name	Data source
3	448m N	Humber Estuary	Natural England
-	1253m W	Humber Estuary	Natural England
-	1638m 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 69](#) >



ID	Location	Site	Details
A	311m NE	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
4	448m 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
-	1253m 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>



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 69](#) >

ID	Location	Name	Features of interest	Habitat description	Data source
5	448m 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 69](#) >

ID	Location	Name	Species of interest	Habitat description	Data source
A	312m NE	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
6	448m 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
-	1253m 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



ID	Location	Name	Species of interest	Habitat description	Data source
-	1524m 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 69 >](#)

ID	Location	Name	Data source
7	589m W	Far Ings	Natural England
-	1561m 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 69 >](#)



ID	Location	Name	Data source
1	223m NE	Waters Edge	Natural England
2	441m N	Waters Edge	Natural England
-	1244m 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

2

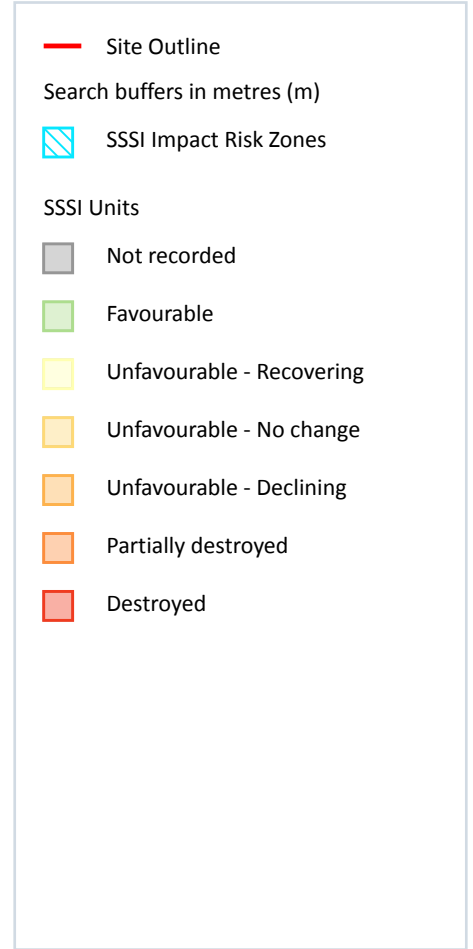
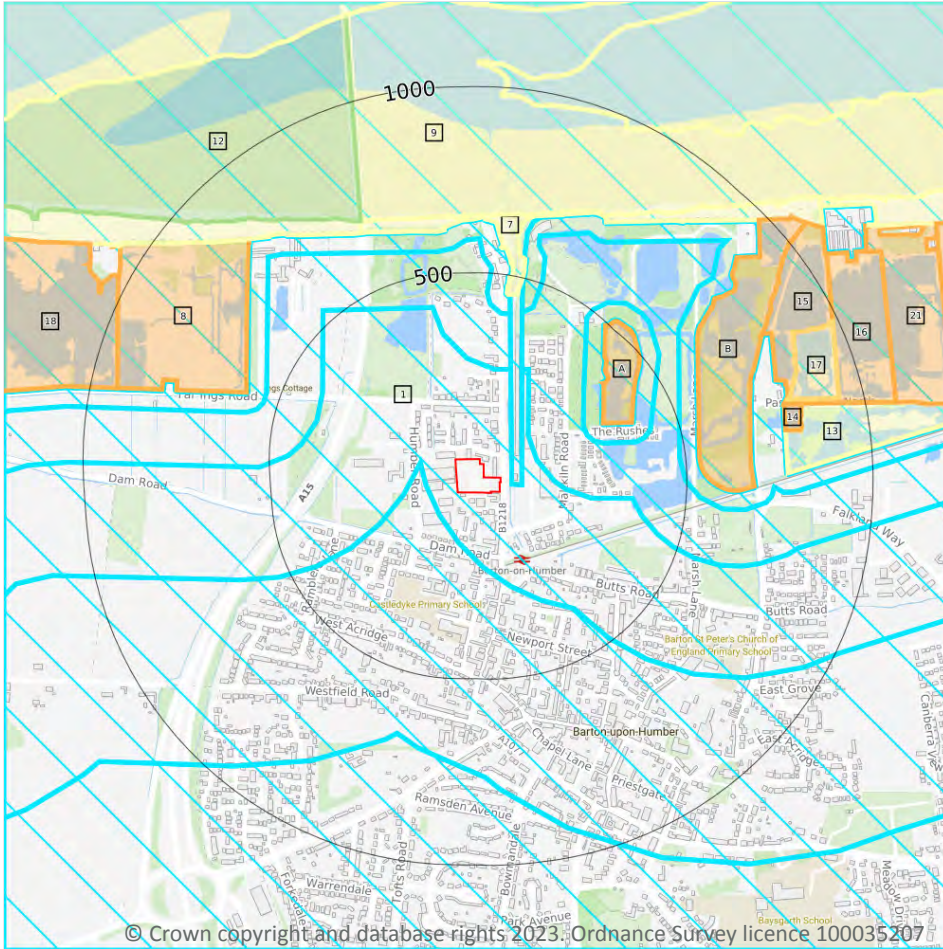
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
209m SW	Lincolnshire Chalk	Groundwater	80	Existing
1242m E	Lincolnshire Chalk	Groundwater	80	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 81](#) >

ID	Location	Type of developments requiring consultation
1	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures</p> <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units</p> <p>Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply</p>

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

27

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 81](#) >

ID: A
 Location: 312m NE
 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: 7
 Location: 448m N
 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, 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



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 maritima</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: B
 Location: 537m 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
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
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022



ID: 8
 Location: 589m W
 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
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	-	-
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	-	-



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

ID: 9
 Location: 649m N
 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



Feature name	Feature condition	Date of assessment
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	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



Feature name	Feature condition	Date of assessment
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: 658m NW
 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



Feature name	Feature condition	Date of assessment
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	-	-
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



Feature name	Feature condition	Date of assessment
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	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: 12
Location: 690m NW
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



Feature name	Feature condition	Date of assessment
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 - Wimbrel, <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	-	-



Feature name	Feature condition	Date of assessment
H1140 Mudflats and sandflats not covered by seawater at low tide	-	-
Knot, Calidris canutus - A143, nb	Favourable	29/03/2022
Knot, Calidris canutus - Passage	-	-
Knot, Calidris canutus - Wintering	-	-
Littoral sediment	Favourable	07/01/2021
Redshank, Tringa totanus - A162, nb	Unfavourable - Declining	29/03/2022
Redshank, Tringa totanus - Passage	-	-
Redshank, Tringa totanus - Wintering	-	-
River lamprey, Lampetra fluviatilis - Passage	-	-
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	-	-
Shelduck, Tadorna tadorna - A048, nb	Favourable	29/03/2022
Shelduck, Tadorna tadorna - Wintering	-	-
Waterbird assemblage - Wintering	-	-
Waterbird assemblage	Favourable	29/03/2022

ID: 13
Location: 771m 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



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 - Recovering	18/07/2013
Invert. assemblage M3 saltmarsh, estuary and mudflat	-	-
Invert. assemblage W2 mineral marsh & open water	-	-
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: 14
 Location: 776m 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
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: 15
Location: 784m 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



Feature name	Feature condition	Date of assessment
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: 16
 Location: 787m 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



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 - 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: 17
 Location: 800m 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
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 - 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: 18
Location: 928m 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, 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, 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	-	-



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

ID: 19
 Location: 962m N
 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: 21
 Location: 1079m 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, <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



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 - 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	-	-
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: 22
Location: 1127m NE
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



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 - 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
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	-	-
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	Favourable	21/12/2010
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: 23
Location: 1211m NW
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: 24
Location: 1231m 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, 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



Feature name	Feature condition	Date of assessment
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	-	-
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: 1247m 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
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, 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	-	-



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

ID: -
 Location: 1253m 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: -
 Location: 1378m 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
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



Feature name	Feature condition	Date of assessment
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: 1523m NE
 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



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	-	-
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



Feature name	Feature condition	Date of assessment
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	-	-
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: 1555m 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: -
 Location: 1586m 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, <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
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



Feature name	Feature condition	Date of assessment
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
Estuary	-	-
Eutrophic lakes	Unfavourable - Declining	20/03/2015
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	-	-
Invert. assemblage W2 mineral marsh & open water	-	-
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: -
 Location: 1634m 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: -
 Location: 1794m 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
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



Feature name	Feature condition	Date of assessment
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	-	-
Knot, <i>Calidris canutus</i> - A143, nb	Favourable	29/03/2022
Knot, <i>Calidris canutus</i> - Passage	-	-
Knot, <i>Calidris canutus</i> - Wintering	-	-



Feature name	Feature condition	Date of assessment
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: -
 Location: 1944m 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
Aggregations of non-breeding birds - Bittern, Botaurus stellaris	Favourable	29/03/2022
Aggregations of non-breeding birds - Black-tailed godwit, Limosa limosa islandica	Favourable	29/03/2022



Feature name	Feature condition	Date of assessment
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
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	-	-

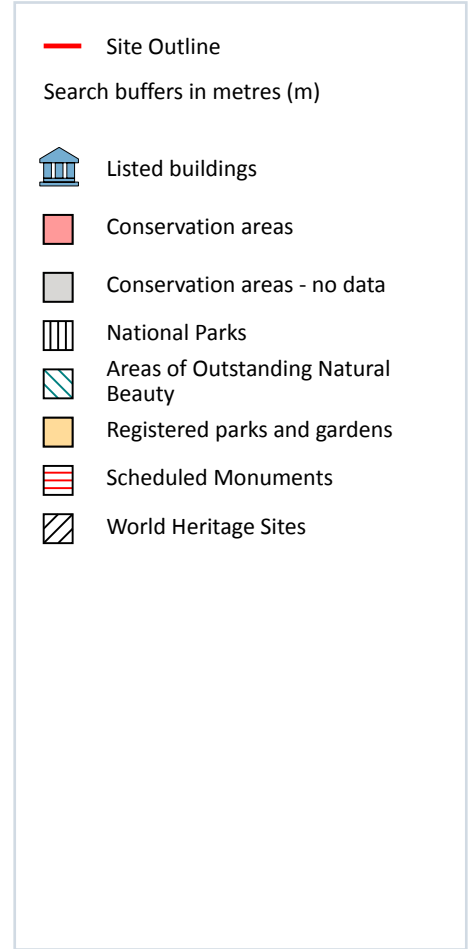
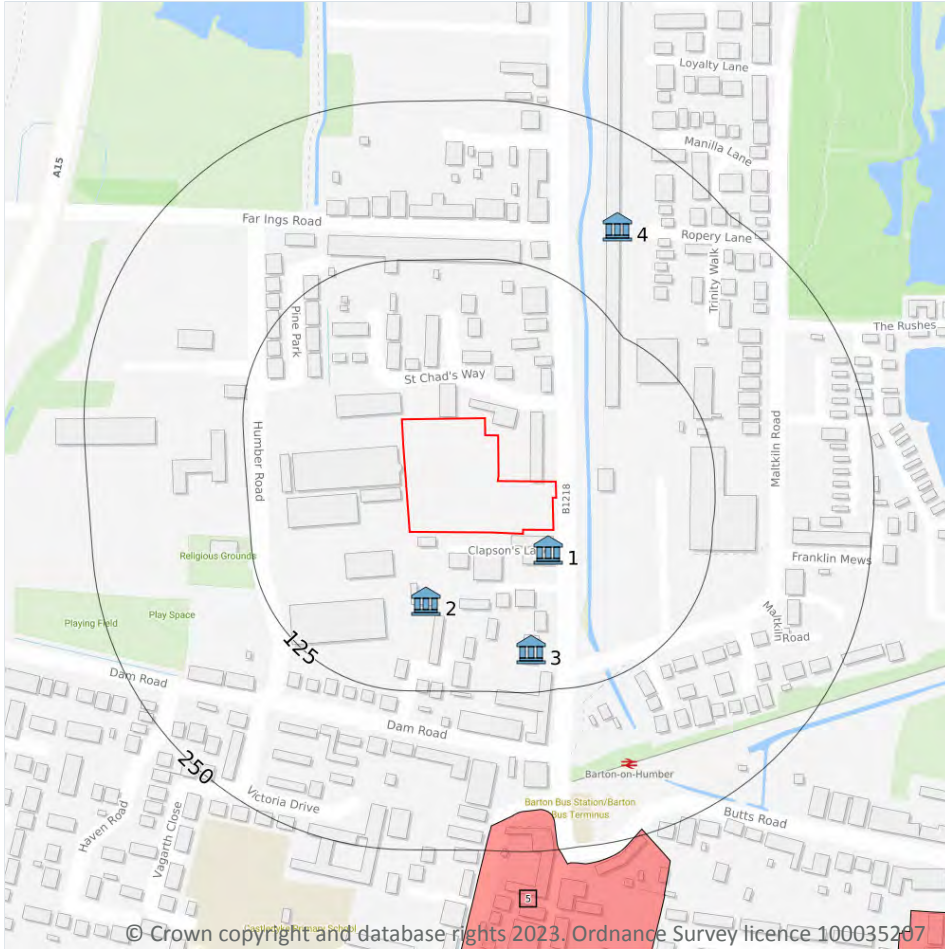


Feature name	Feature condition	Date of assessment
Dunlin, Calidris alpina - Wintering	-	-
Dunlin, Calidris alpina alpina - A672, nb	Unfavourable - No change	29/03/2022
Estuary	-	-
Eutrophic lakes	Unfavourable - Declining	18/07/2013
Golden plover, Pluvialis apricaria - A140, nb	Favourable	29/03/2022
Golden 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

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**4**

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 123 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	16m SE	43-49, Waterside Road	II	1346818	17/09/1976
2	54m S	Windmill And Adjacent House To West	II	1039878	17/09/1976
3	91m S	23 And 25, Waterside Road	II	1045883	17/09/1976
4	183m NE	The Ropewalk	II	1346819	17/09/1976

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



11.5 Conservation Areas

Records within 250m

1

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.

Features are displayed on the Visual and cultural designations map on [page 123](#) >

ID	Location	Name	District	Date of designation
5	217m S	Barton-upon-Humber	North Lincolnshire	1972

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

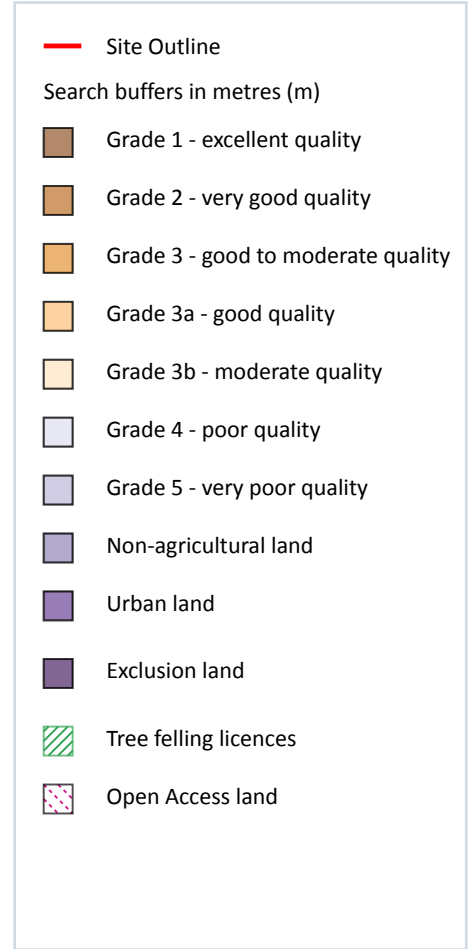
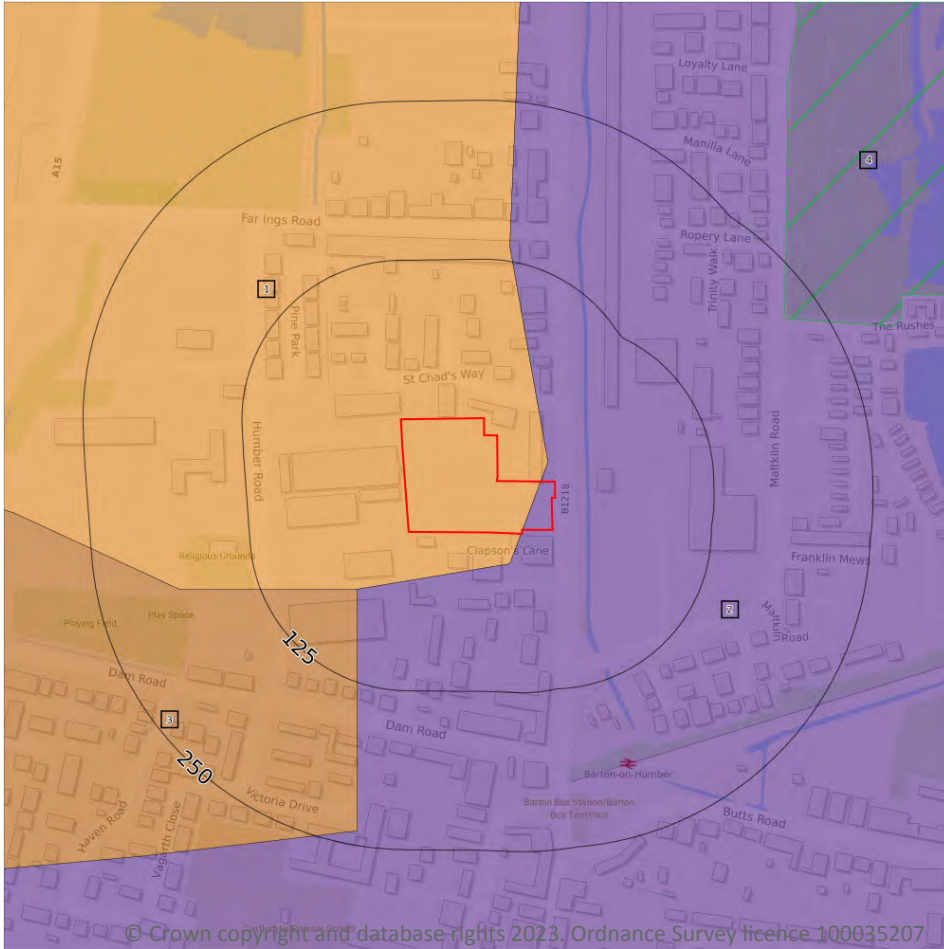
0

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

3

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 126 >](#)

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.
2	On site	Urban	-

ID	Location	Classification	Description
3	61m SW	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

1

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.

Features are displayed on the Agricultural designations map on [page 126 >](#)

ID	Location	Description	Reference	Application date
4	223m NE	Selective Fell/Thin (Conditional)	012/209/14-15	01/06/2015

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

2

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
171m NW	AG00425306	Higher Level Stewardship	01/03/2013	28/02/2023
222m NE	AG00425306	Higher Level Stewardship	01/03/2013	28/02/2023

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

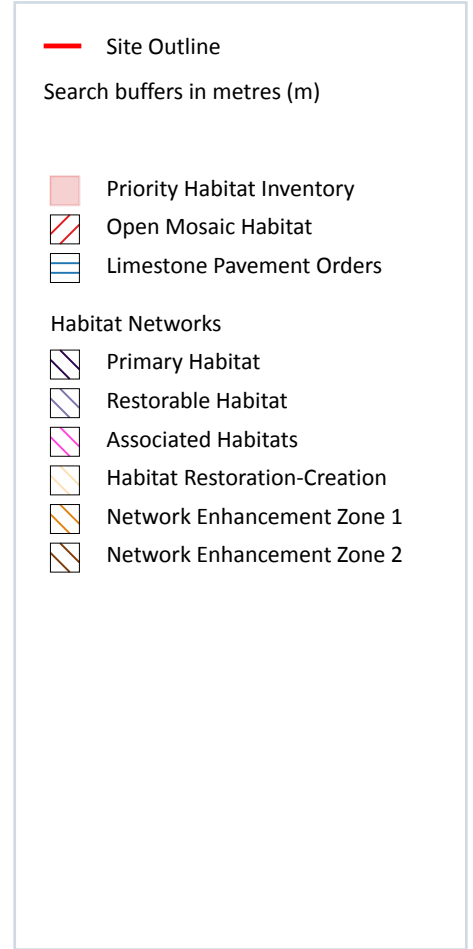
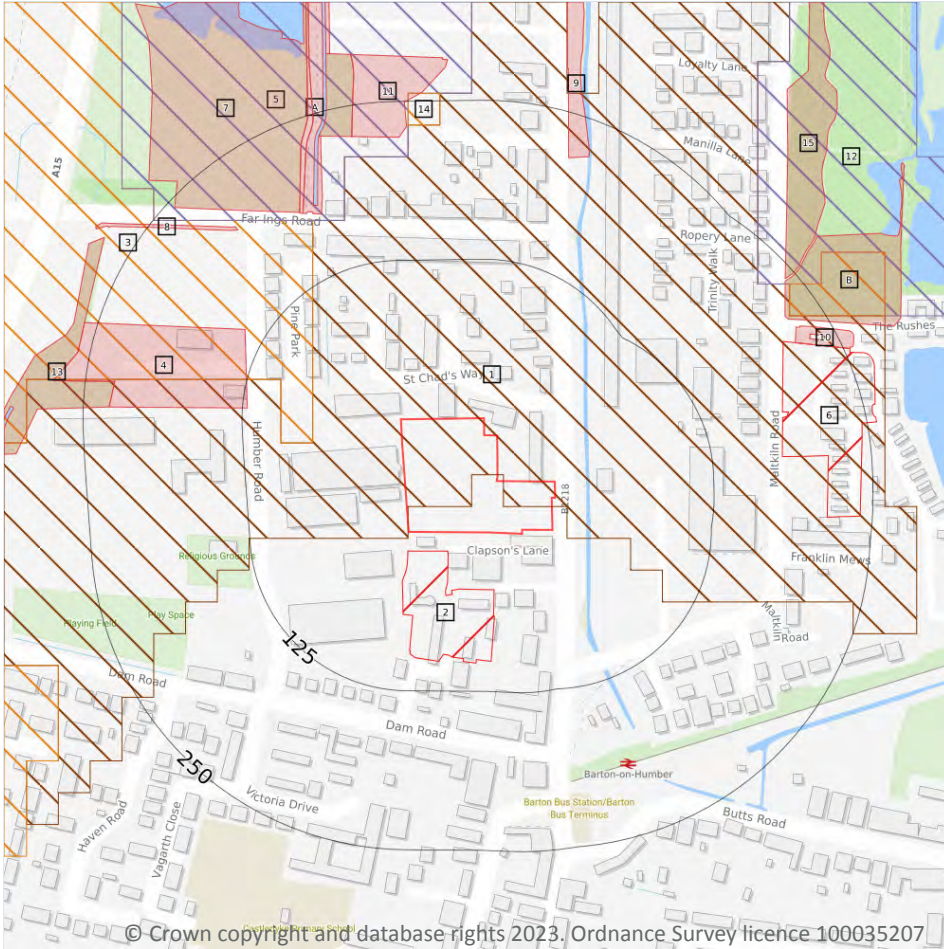
0

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

12

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 129 >](#)

ID	Location	Main Habitat	Other habitats
4	121m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
A	173m NW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); Additional: RBEDS (FEP 50%); LMEAD (FEP 50%)
A	179m NW	No main habitat but additional habitats present	Additional: RBEDS (FEP 50%); LMEAD (FEP 50%)

ID	Location	Main Habitat	Other habitats
7	181m NW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
8	197m NW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
9	215m N	Coastal saltmarsh	Main habitat: SALTM (INV > 50%)
10	218m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	222m N	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
B	223m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: RBEDS (FEP 50%); GQSIG (FEP 50%)
A	226m N	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
13	227m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	242m NE	No main habitat but additional habitats present	Additional: RBEDS (FEP 50%); GQSIG (FEP 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

6

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 129 >](#)

ID	Location	Type	Habitat
1	On site	Network Enhancement Zone 2	Not specified
3	69m W	Network Enhancement Zone 1	Not specified
5	163m NW	Restorable Habitat	Not specified
12	223m NE	Restorable Habitat	Not specified
B	226m NE	Network Enhancement Zone 1	Not specified
14	231m N	Network Enhancement Zone 1	Not specified

This data is sourced from Natural England.



13.3 Open Mosaic Habitat

Records within 250m	2
----------------------------	----------

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.

Features are displayed on the Habitat designations map on [page 129 >](#)

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
2	15m S	NLUD Ref: 200300112	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-
6	180m E	NLUD Ref: 200300093	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

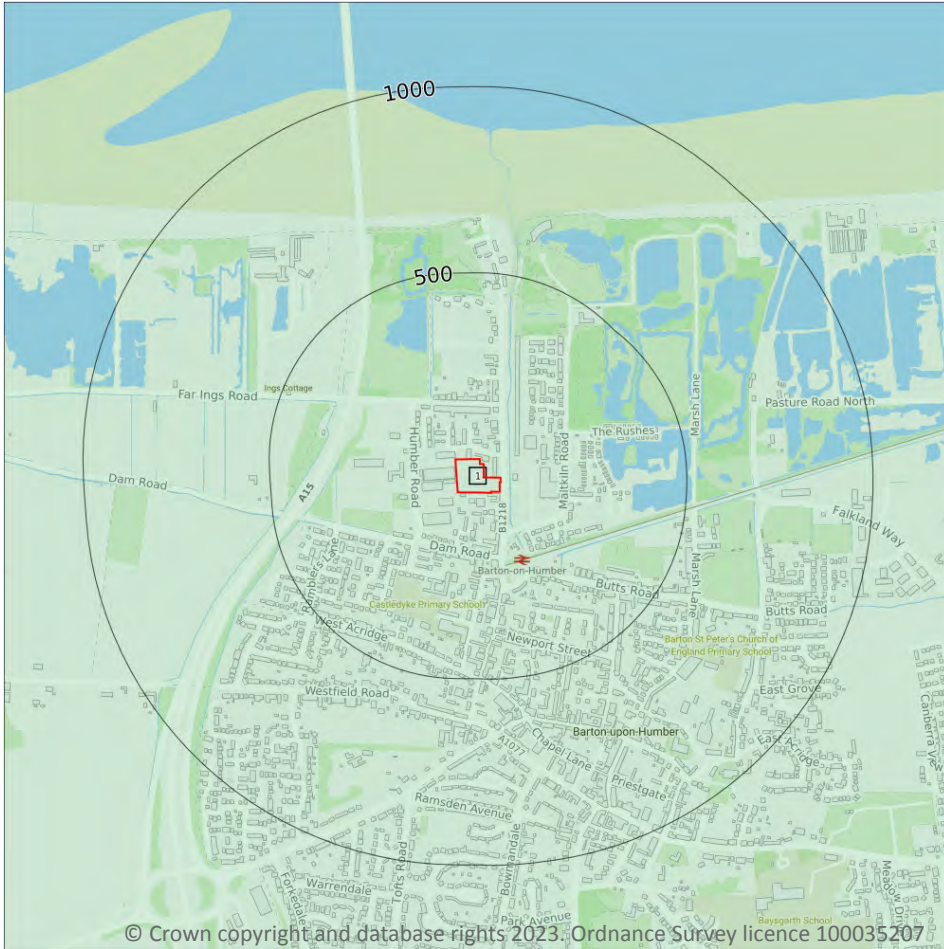
13.4 Limestone Pavement Orders

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.

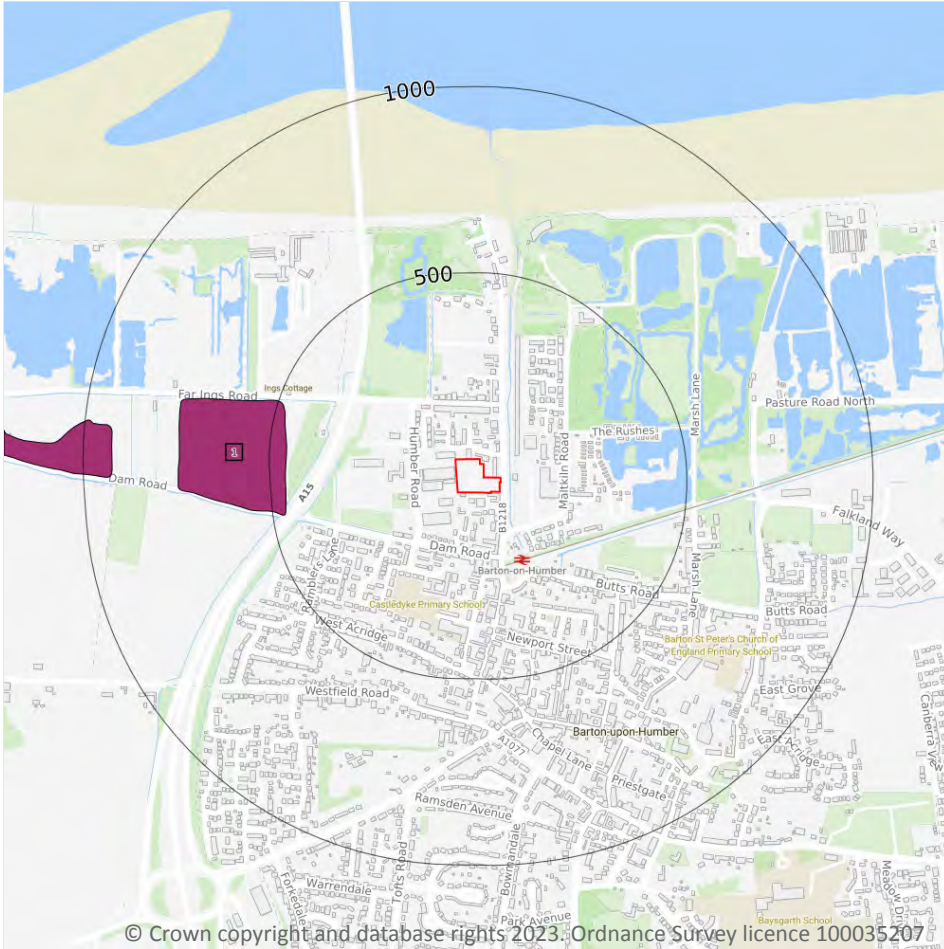
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 132 >](#)

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



— Site Outline
Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m

1

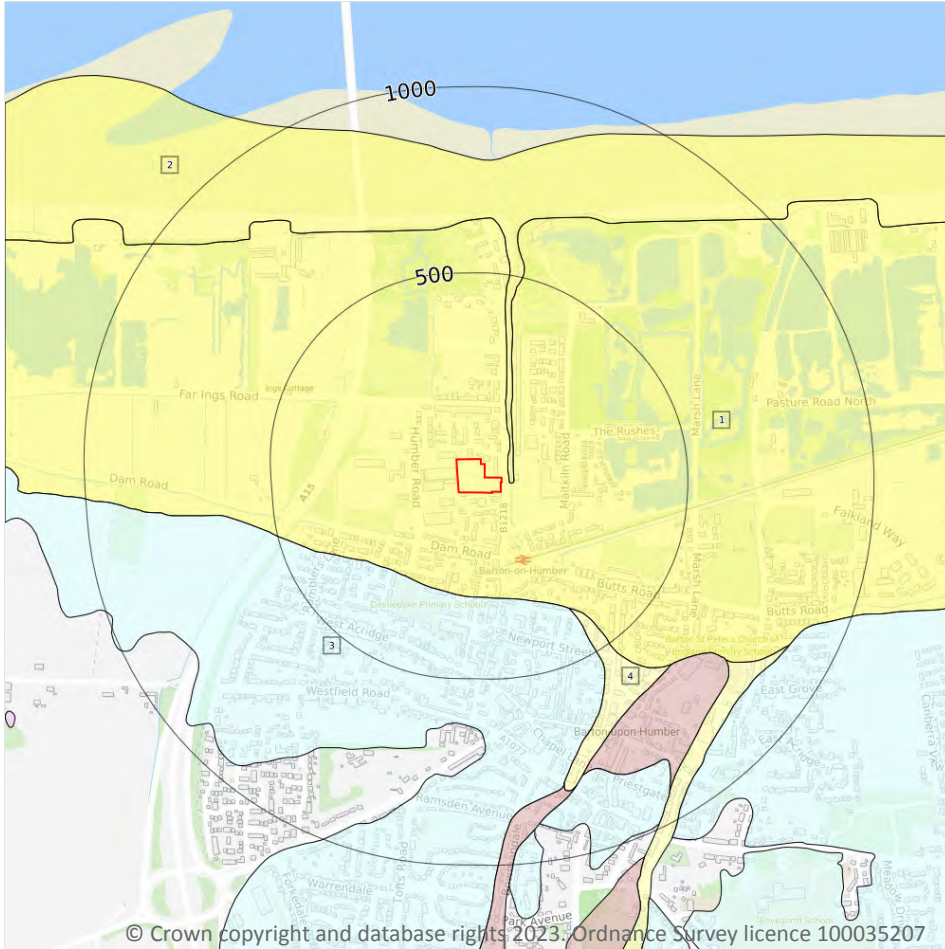
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.


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	454m W	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

4

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	20m E	TFD-XCZ	Tidal Flat Deposits - Clay And Silt	Clay And Silt
3	265m SW	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
4	364m SE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

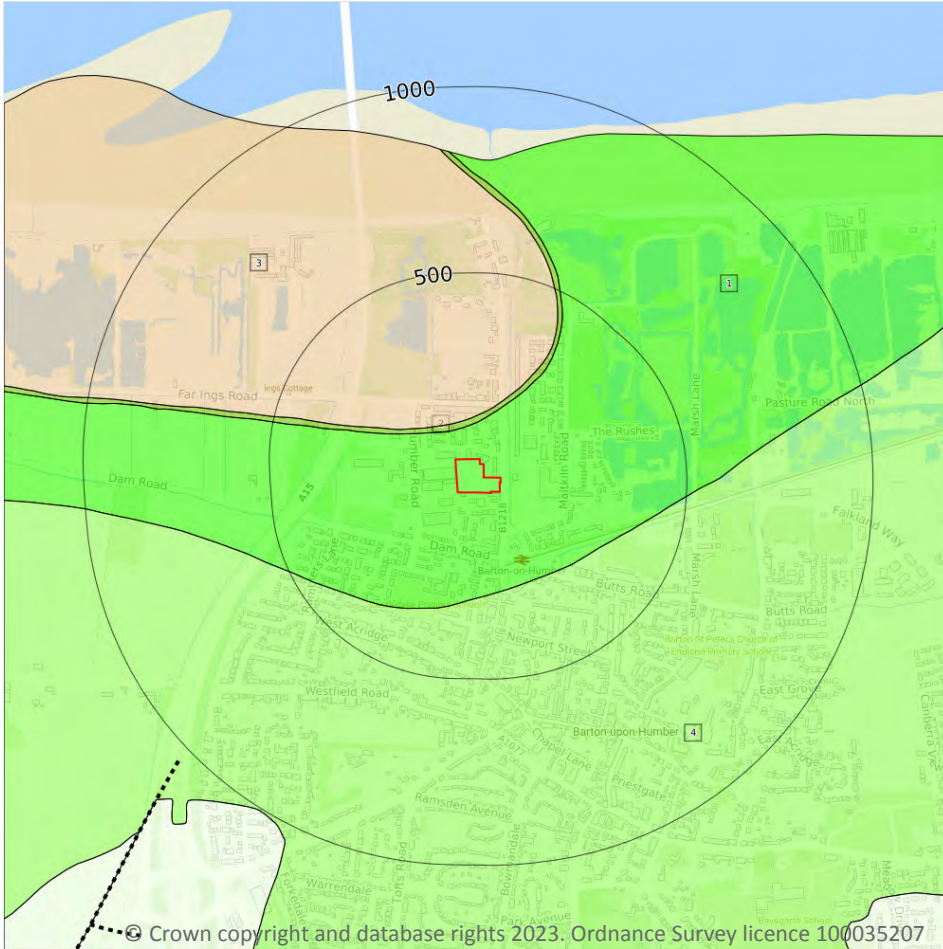
0

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	FYCK-CHLK	Ferriby Chalk Formation - Chalk	Cenomanian Age
2	77m NW	HUCK-CHLK	Hunstanton Formation - Chalk	Cenomanian Age - Albian Age
3	96m NW	AMG-MDSI	Ancholme Group - Mudstone And Siltstone	Kimmeridgian Age - Callovian Age
4	254m SE	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

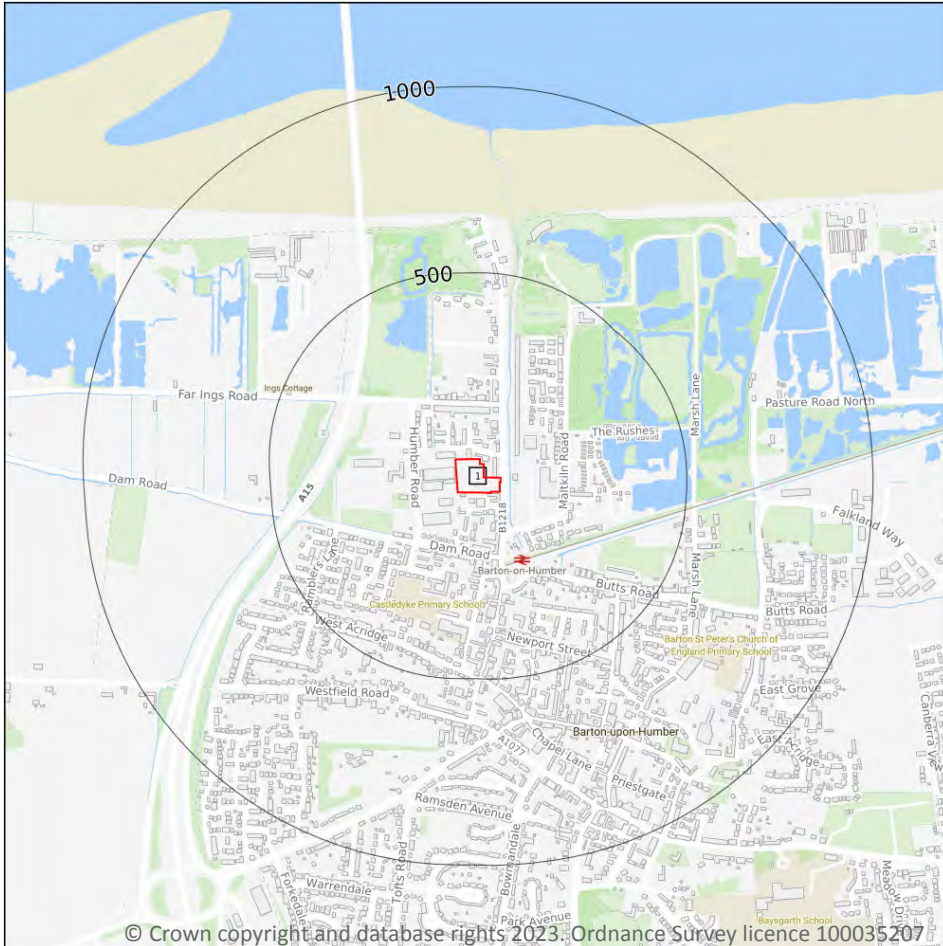
0

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.

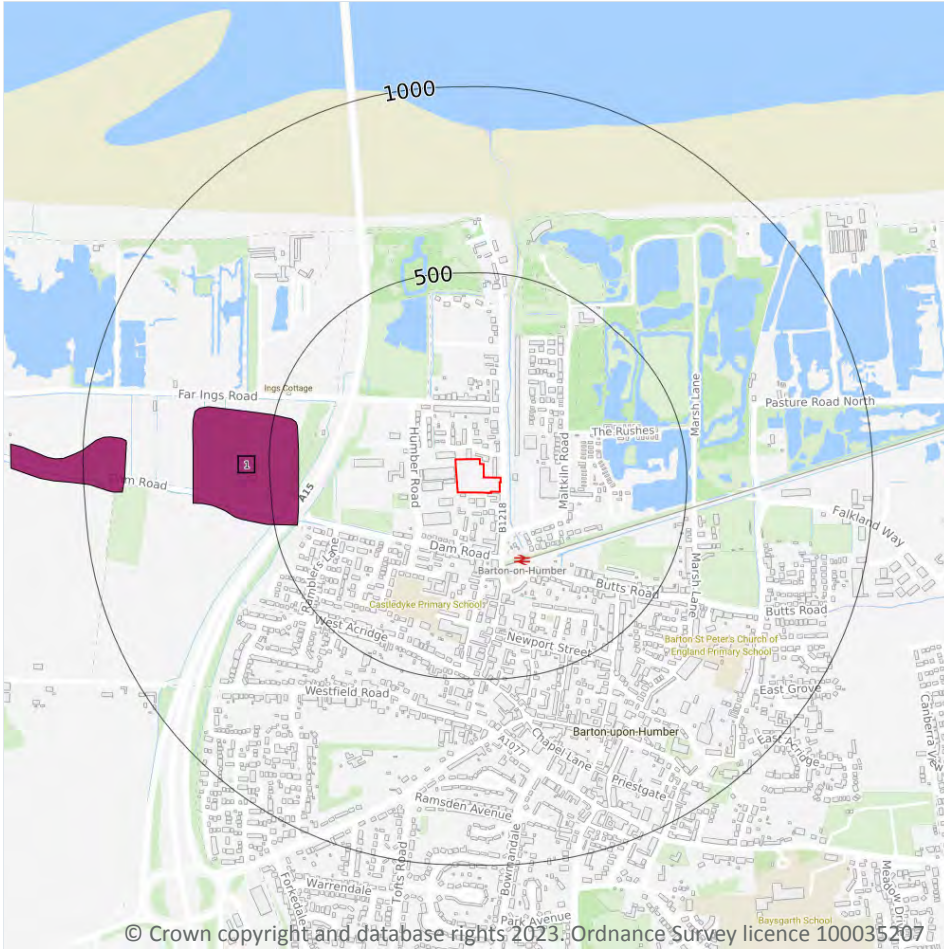
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 138](#) >

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

1

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	421m W	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

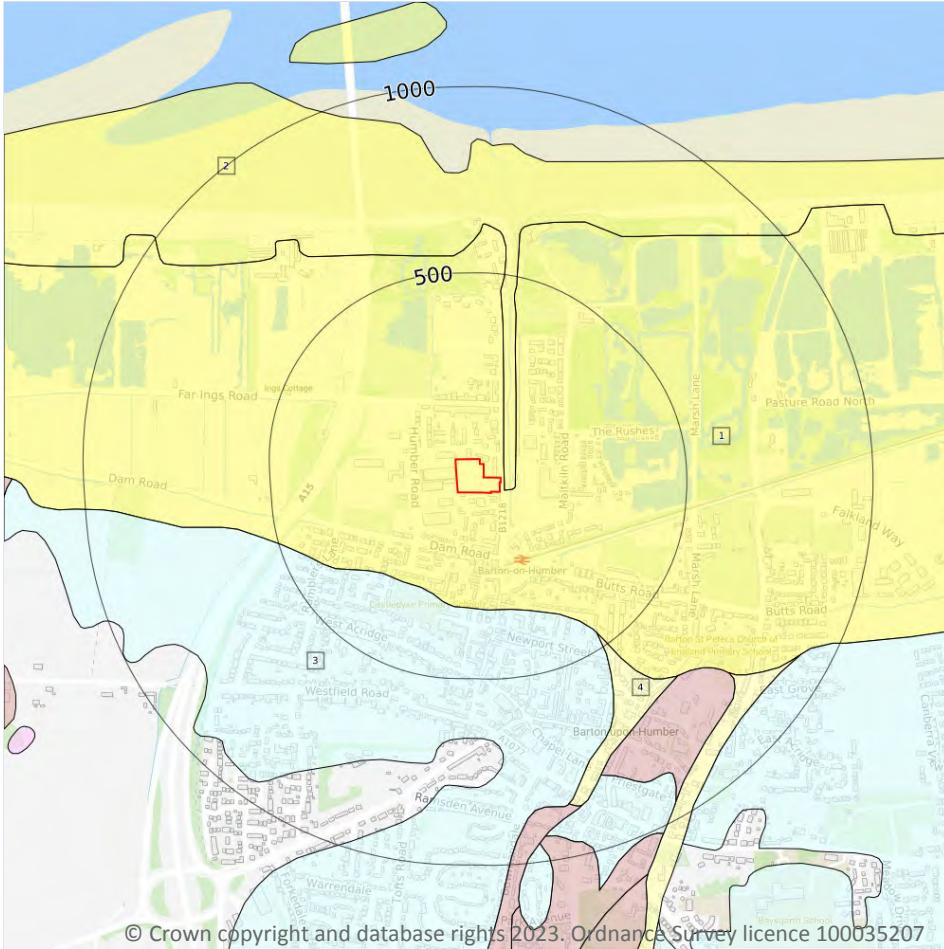
0


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

4

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	10m E	TFD-XCZ	TIDAL FLAT DEPOSITS	CLAY AND SILT
3	273m SW	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
4	460m SE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL



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

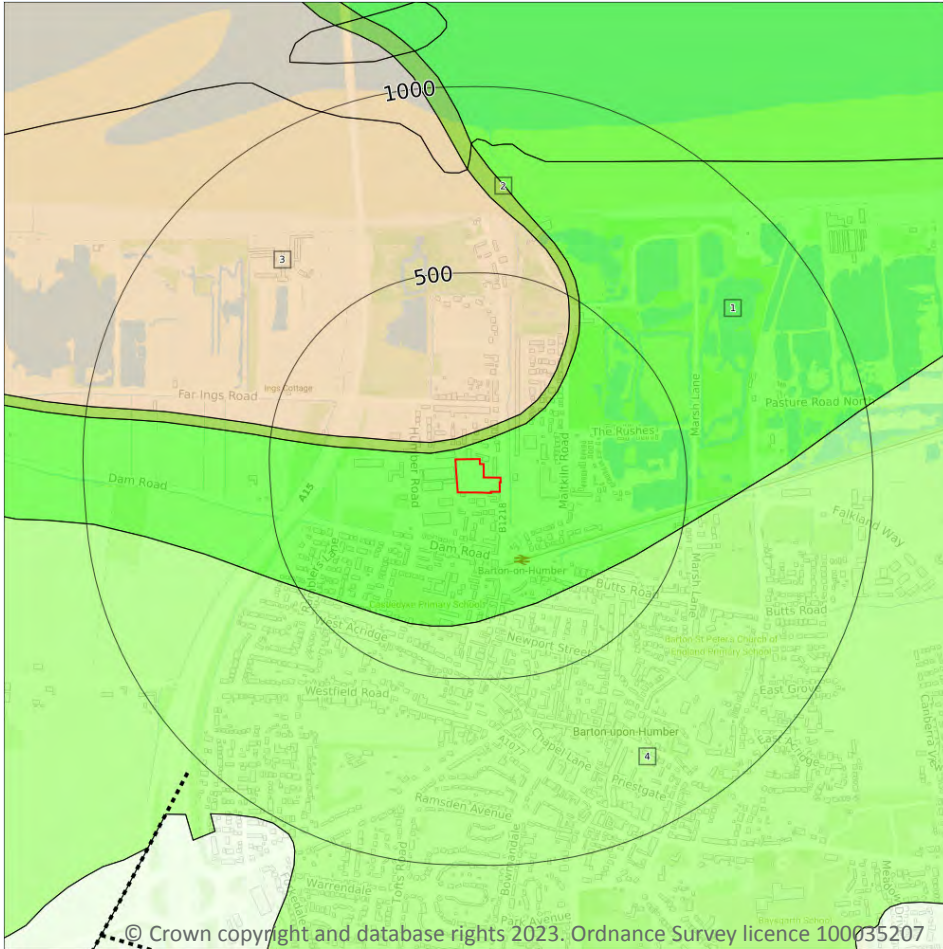
0

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

4

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	FYCK-CHLK	FERRIBY CHALK FORMATION - CHALK	CENOMANIAN
2	27m NW	HUCK-CHLK	HUNSTANTON FORMATION - CHALK	ALBIAN
3	55m NW	AMG-MDST	ANCHOLME GROUP - MUDSTONE	CALLOVIAN
4	313m SE	WCK-CHLK	WELTON CHALK FORMATION - CHALK	CENOMANIAN



This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

2

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
On site	Fracture	Very High	Very High
27m NW	Fracture	Very High	Very High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

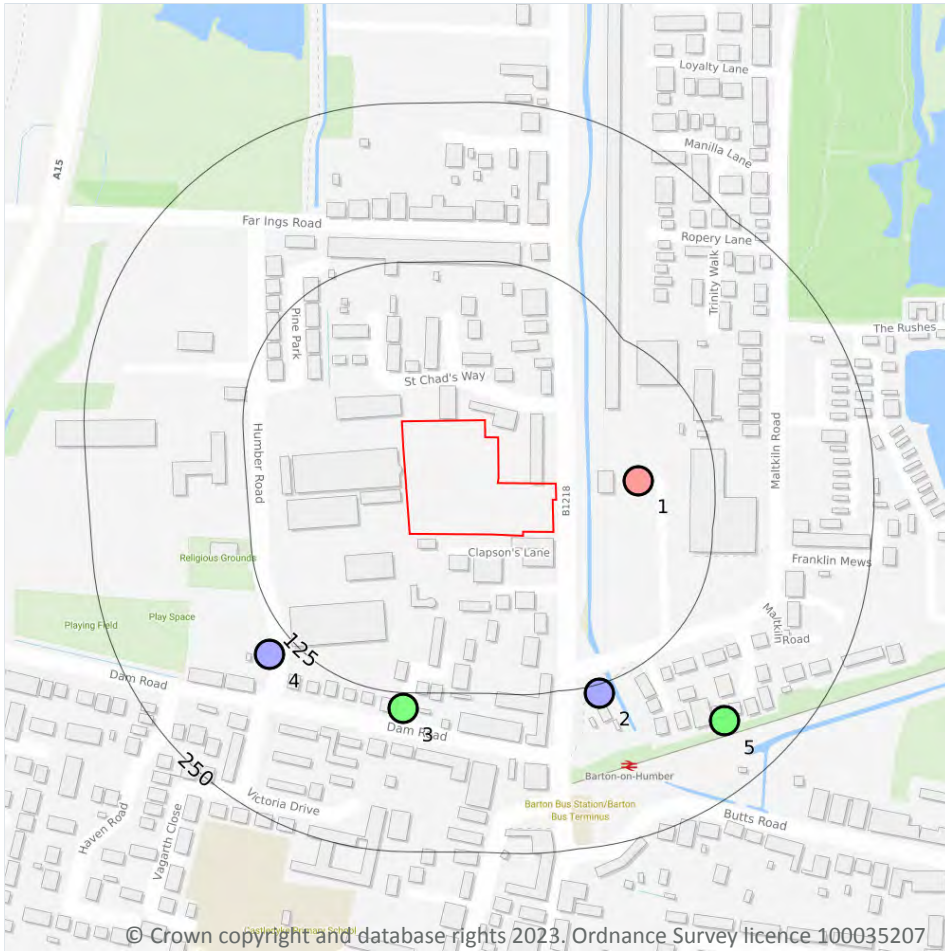
0

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

16.1 BGS Boreholes

Records within 250m

5

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	65m E	502930 422747	ROPERY ENGINE HOUSE	30.18	N	458133 ↗
2	132m SE	502900 422580	BARTON HUMBER SEWER 4	10.0	N	458265 ↗
3	137m S	502745 422568	GAS WORKS BARTON ON HUMBER	18.29	N	458132 ↗

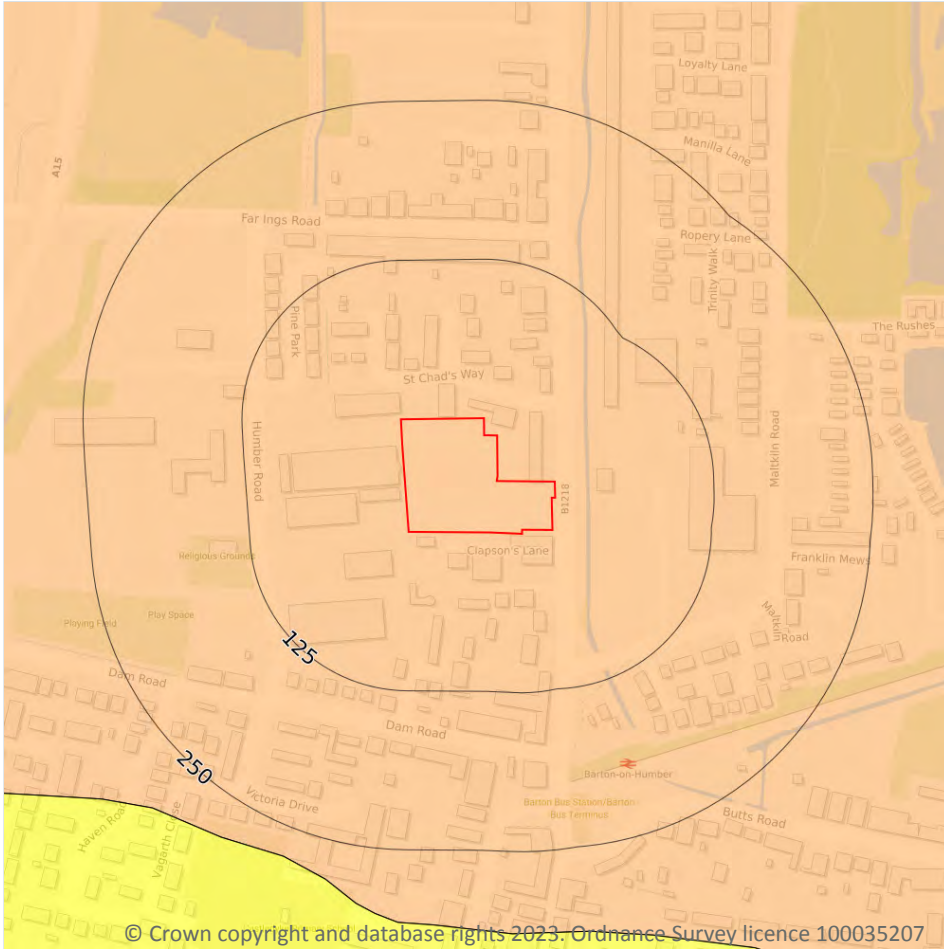


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	146m SW	502640 422610	BARTON HUMBER SEWER 3	5.0	N	458264 ↗
5	200m SE	502998 422558	BARTON UPON HUMBER 1	12.0	N	458279 ↗

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).

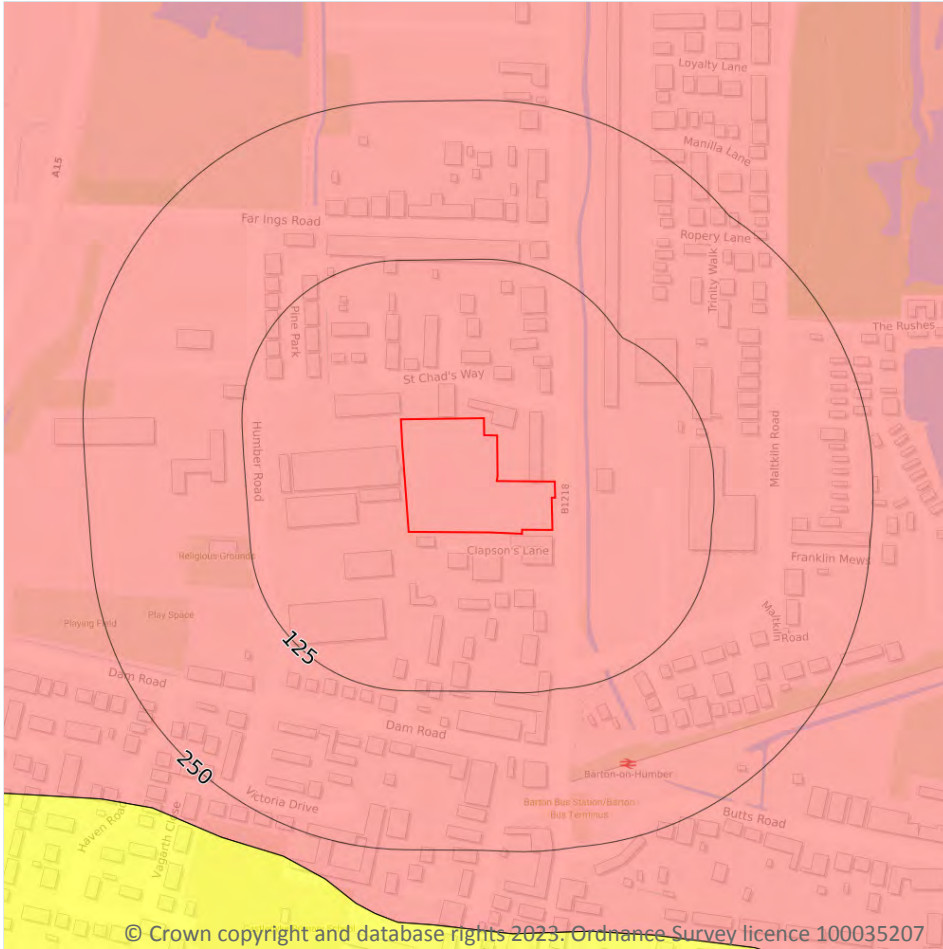
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 147](#) >

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

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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.

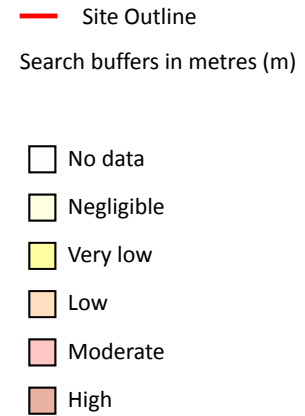
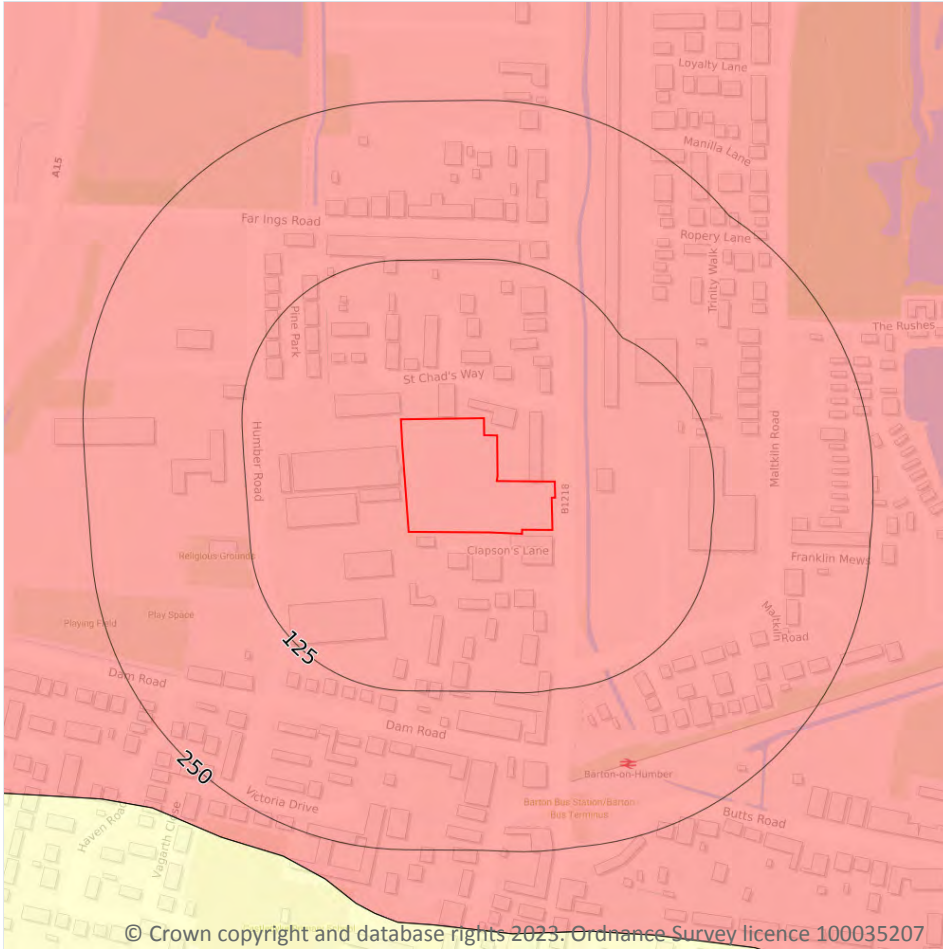
Features are displayed on the Natural ground subsidence - Running sands map on [page 148](#) >

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



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.

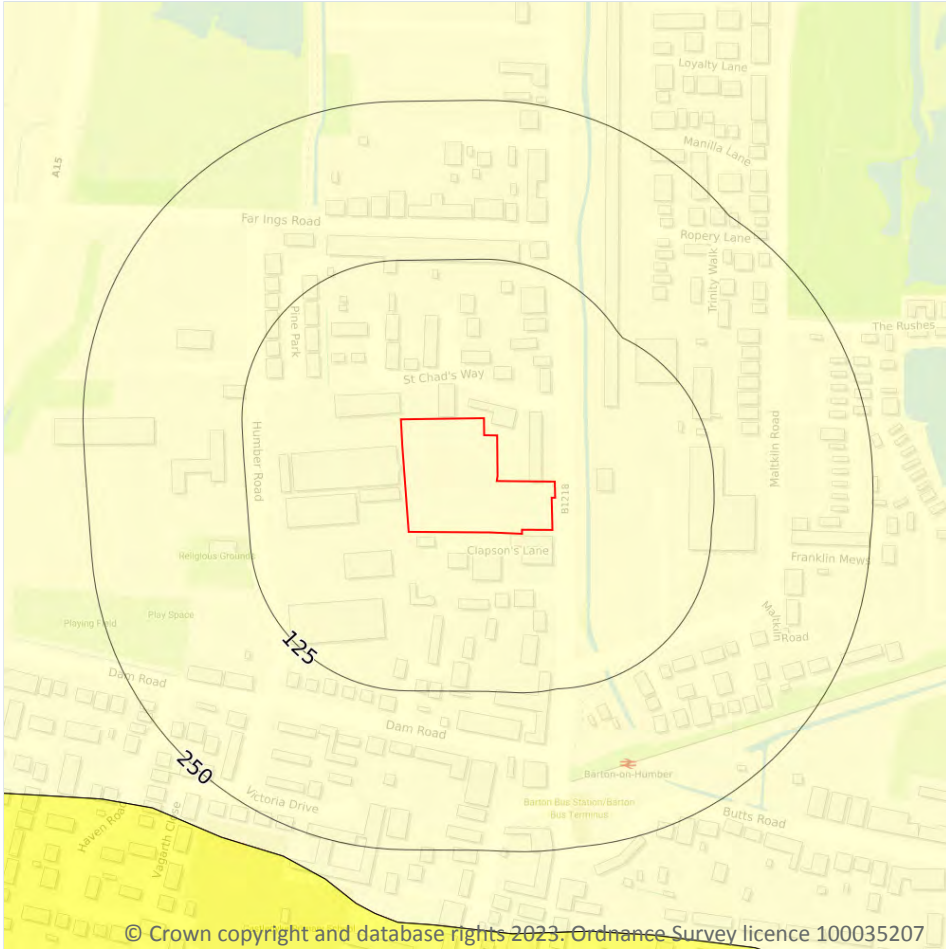
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 149](#) >

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



17.4 Collapsible deposits

Records within 50m

1

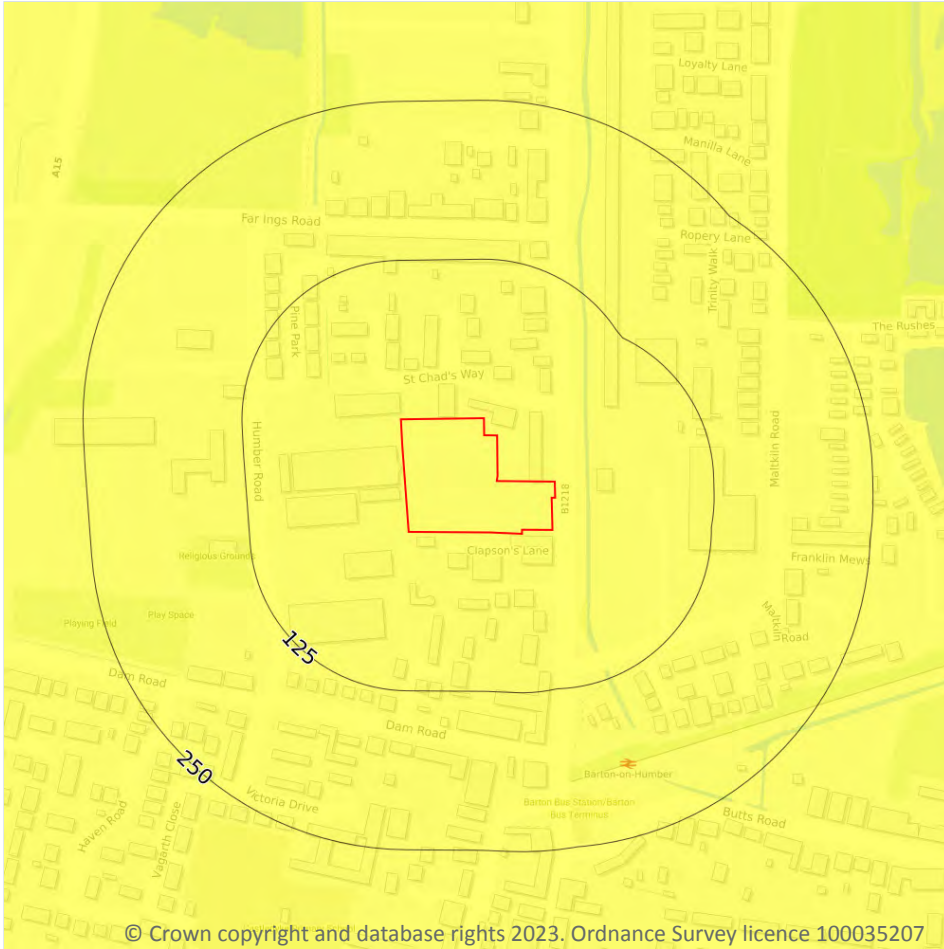
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

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.

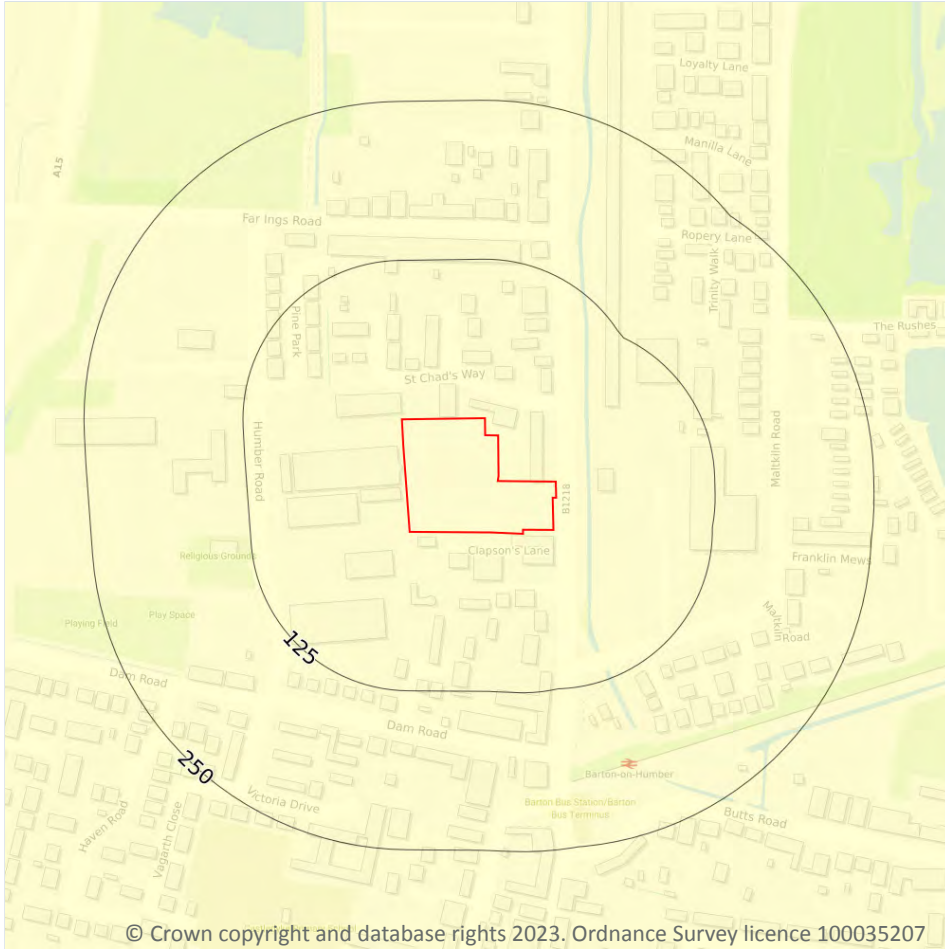
Features are displayed on the Natural ground subsidence - Landslides map on [page 151](#) >

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



— Site Outline
Search buffers in metres (m)

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

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.

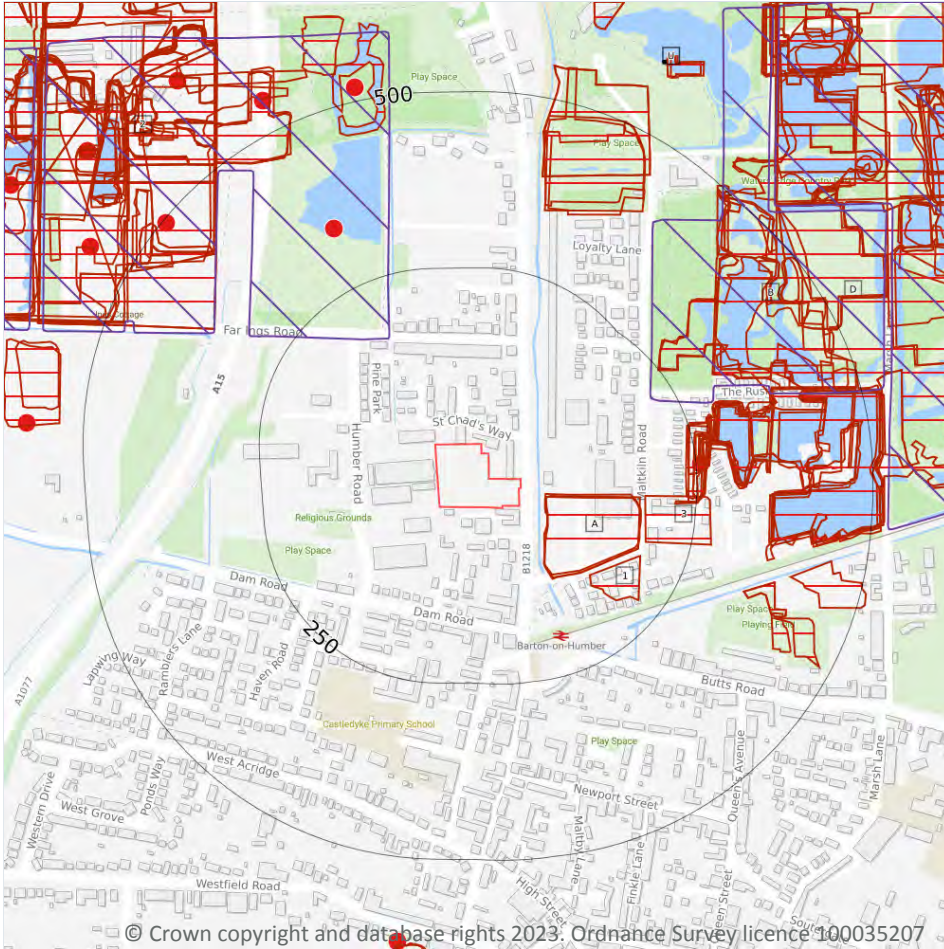
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 152](#) >

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



18.1 BritPits

Records within 500m

3

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
C	256m E	Name: Barton Waterside 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
6	338m NW	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
K	495m NW	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

Records within 250m

13

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	36m E	Brick Yard	1886	1:10560
A	37m E	Brick Yard	1886	1:10560
A	38m E	Brick Works	1906	1:10560
1	140m SE	Pond	1970	1:10000
3	177m E	Brick Yard	1886	1:10560
C	220m E	Ponds	1956	1:10560
C	238m E	Fish Pond	1930	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
C	239m E	Fish Pond	1948	1:10560
C	239m E	Fish Pond	1906	1:10560
C	244m E	Clay Pit	1886	1:10560
C	245m E	Clay Pit	1886	1:10560
D	249m NE	Ponds	1970	1:10000
D	249m NE	Ponds	1979	1:10000

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
U	600m NE	Unspecified Shaft	1886	1:10560

This is 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
2	165m NW	Ings Farm Yard	Clay	Surface mineral working	Valid	23/5/47
B	218m NE	Chemical Road	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.

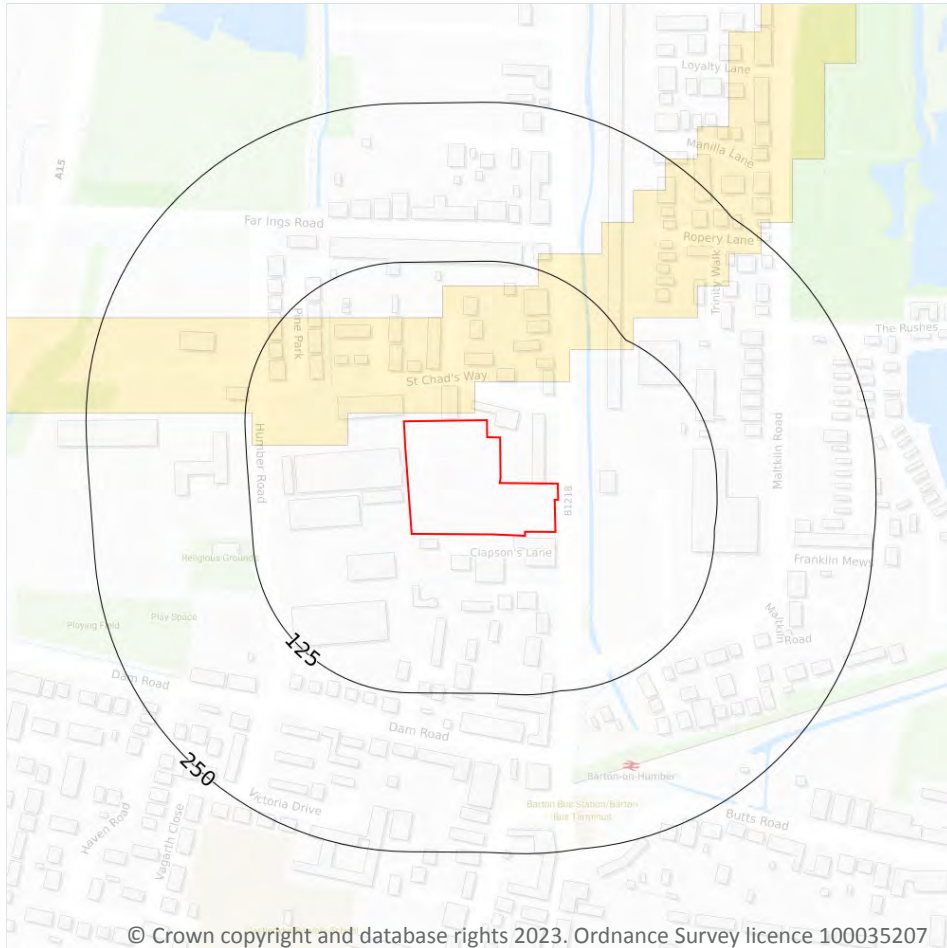
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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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 162 >](#)

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 km². 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 km²; 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	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
10m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
27m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 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 km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

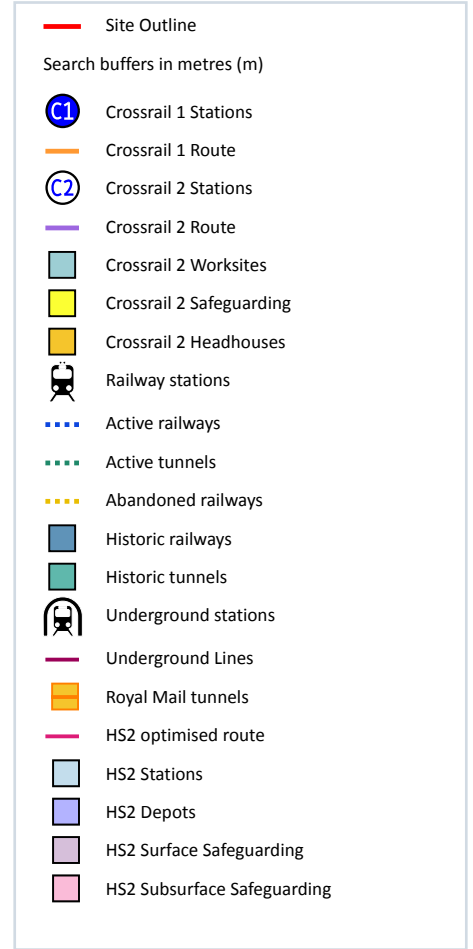
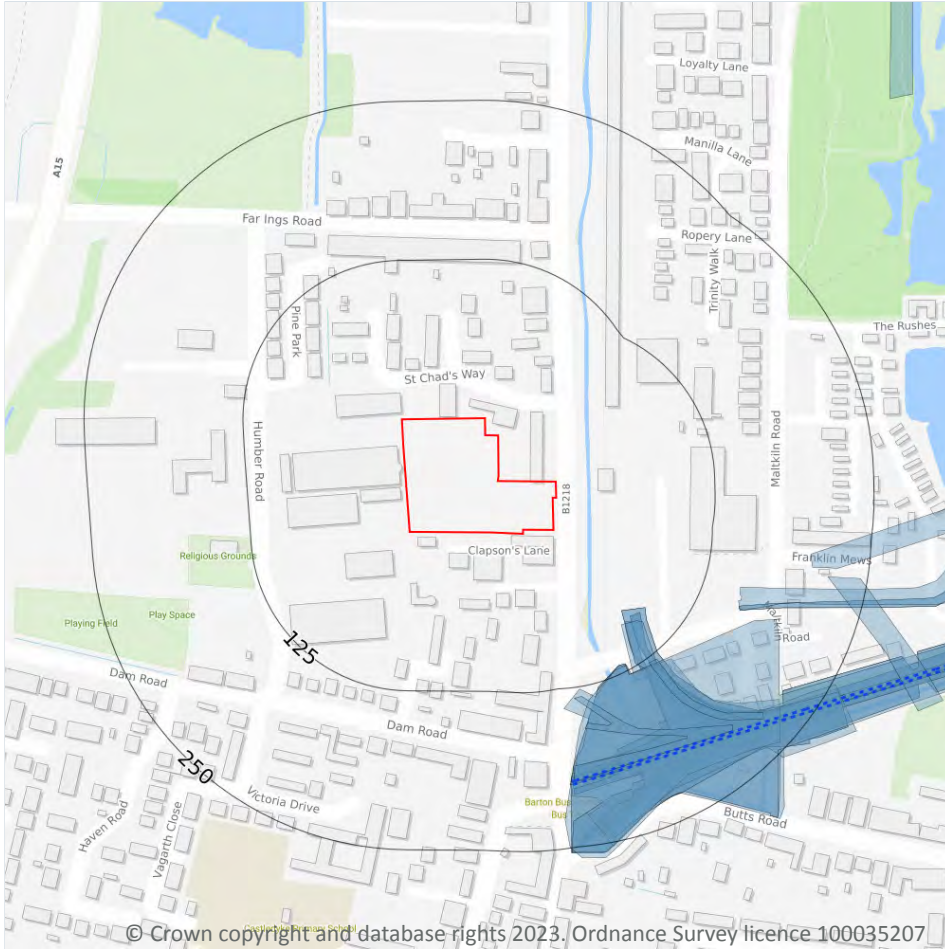
0

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 km².

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

25

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 165 >](#)

Location	Land Use	Year of mapping	Mapping scale
83m SE	Railway Sidings	1948	10560
83m SE	Railway Sidings	1906	10560
91m SE	Railway	1932	-
91m SE	Railway	1908	-
91m SE	Railway	1888	-
92m SE	Railway Sidings	1932	2500
92m SE	Railway Sidings	1930	10560
118m SE	Railway	1908	-
118m SE	Railway	1888	-
119m SE	Railway Sidings	1886	10560
121m SE	Railway Sidings	1956	10560
129m SE	Railway Sidings	1886	10560
133m SE	Railway Sidings	1969	2500
133m SE	Railway Sidings	1886	10560
133m SE	Railway Sidings	1967	2500
133m SE	Railway Sidings	1974	2500
135m SE	Railway Sidings	1888	2500



Location	Land Use	Year of mapping	Mapping scale
154m E	Railway Sidings	1886	10560
158m SE	Railway Sidings	1888	2500
181m SE	Railway Sidings	1969	2500
188m SE	Railway Sidings	1996	2500
190m SE	Railway Sidings	1987	2500
191m SE	Railway Sidings	1982	2500
203m E	Railway Sidings	1906	10560
219m E	Railway 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

4

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on [page 165 >](#)

Location	Name	Type
193m SE	Not given	Single Track



Location	Name	Type
196m SE	Barton Line	rail
198m S	Not given	Single Track
243m SE	Not given	Single Track

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

22.9 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.

22.10 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> ↗.

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Site Details:

Waterside Rd Barton on Humber, DN18 5BH

Client Ref: CMAPS-GDP-1138555-33420-301123
Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

Map Name: County Series

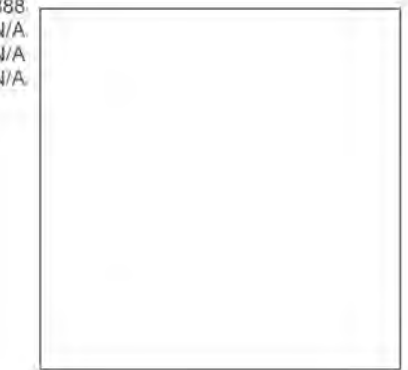
Map date: 1888

Scale: 1:2,500

Printed at: 1:2,500



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



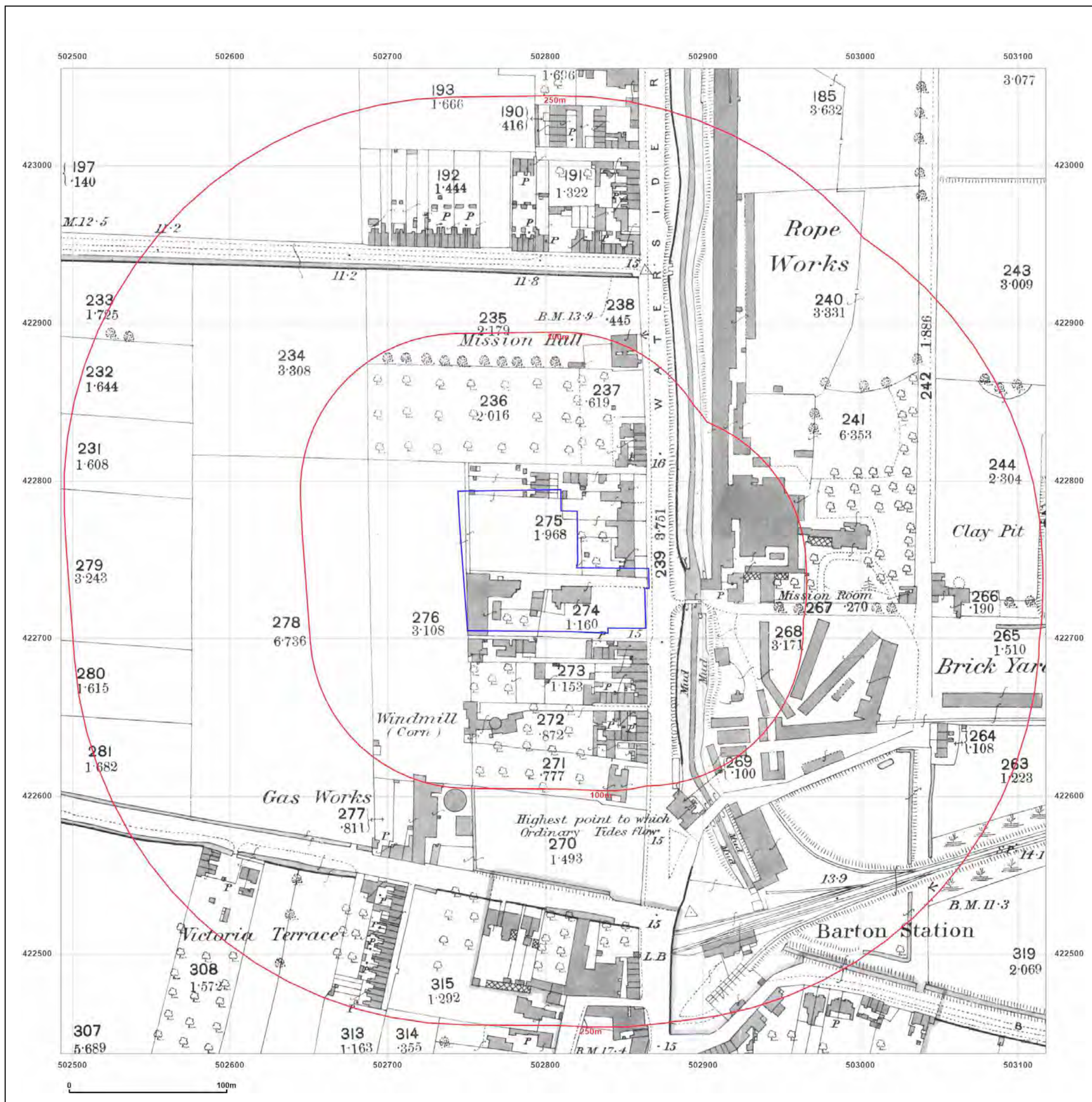
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Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

Map Name: County Series

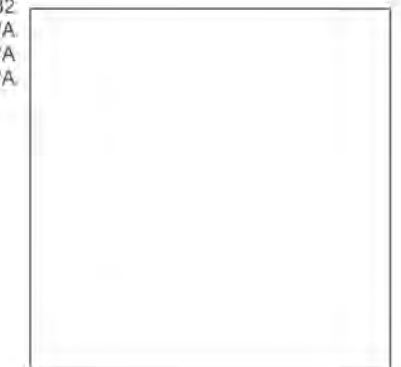
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Surveyed 1932
 Revised 1932
 Edition N/A
 Copyright N/A
 Levelled N/A



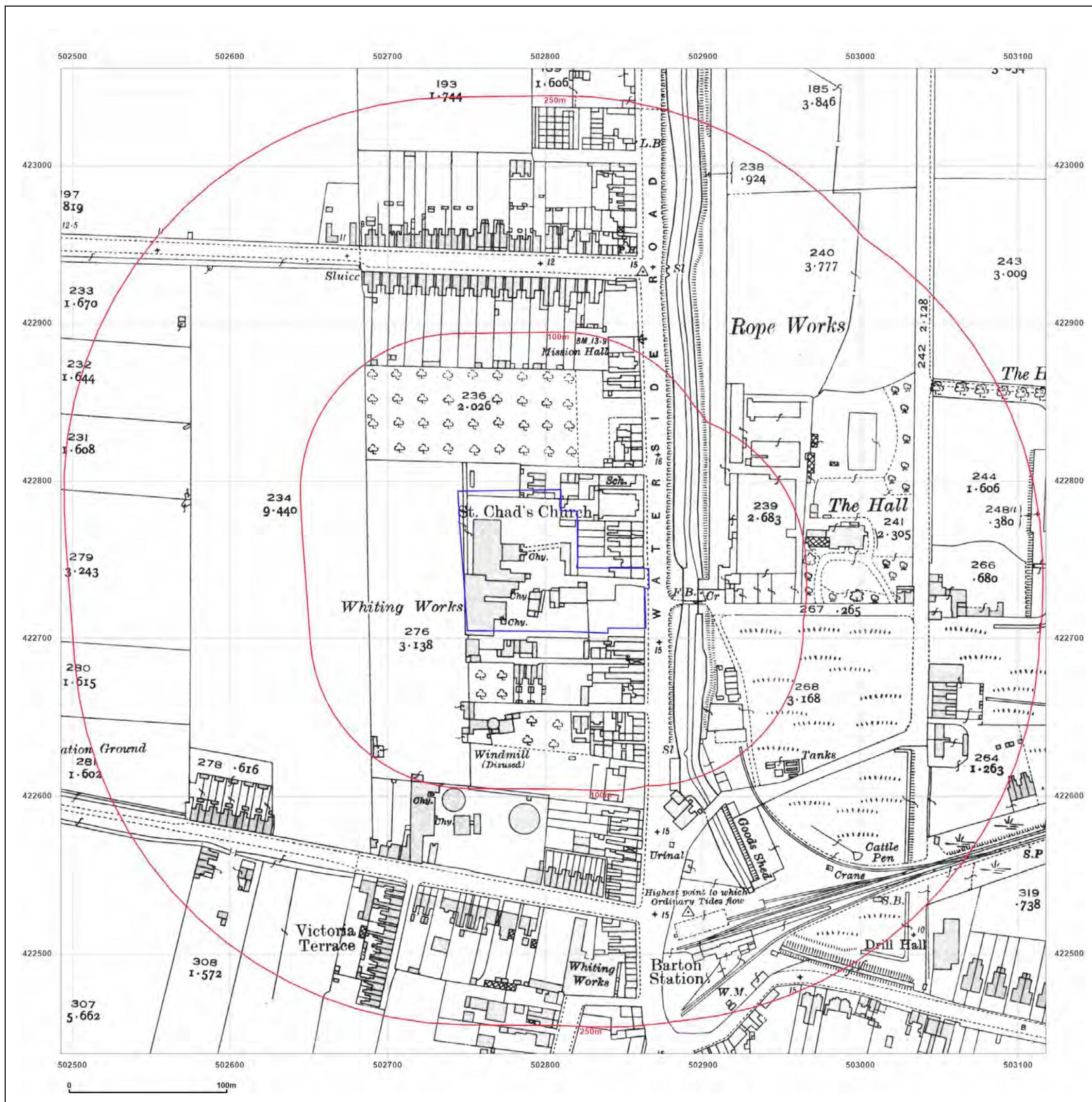
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Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

Map Name: National Grid

Map date: 1967

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1967
Revised 1967
Edition N/A
Copyright 1968
Levelled 1951

Surveyed 1967
Revised 1967
Edition N/A
Copyright 1968
Levelled 1956



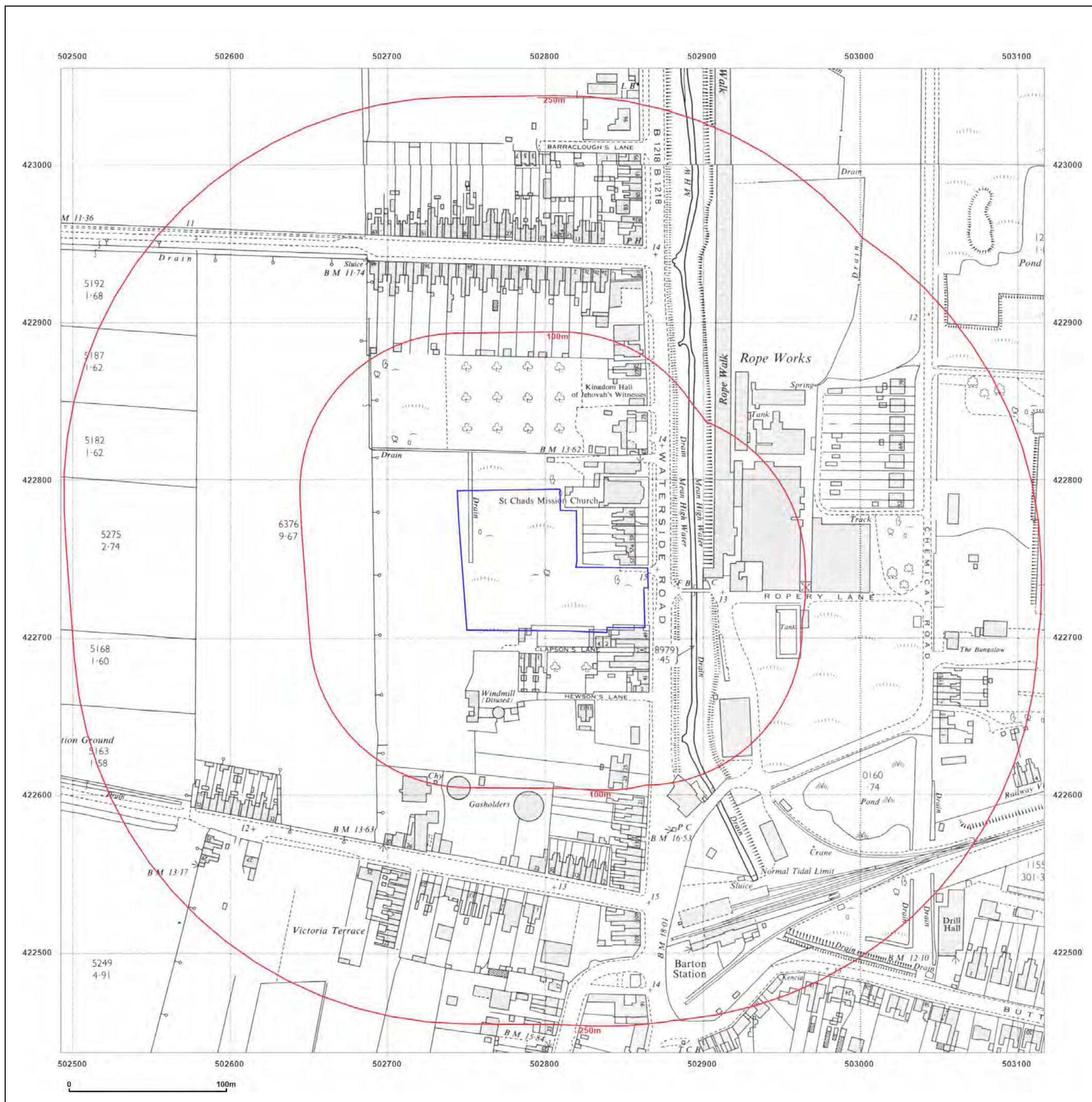
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Client Ref: CMAPS-GDP-1138555-33420-301123
Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

Map Name: National Grid

Map date: 1974

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1974
Revised 1974
Edition N/A
Copyright 1976
Levelled 1969



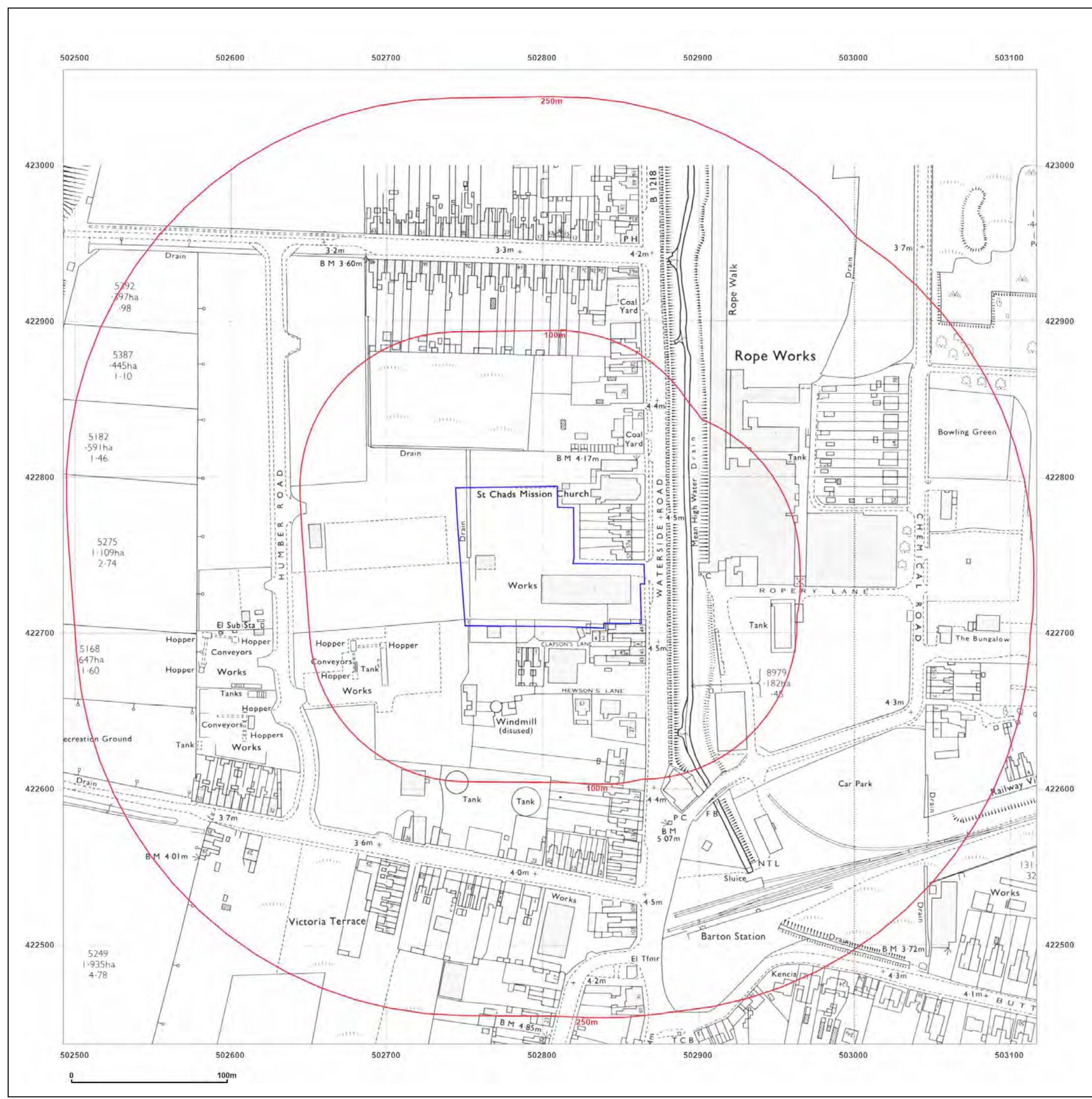
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Client Ref: CMAPS-GDP-1138555-33420-301123
Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

Map Name: National Grid

Map date: 1975-1979

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
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Surveyed N/A
Revised N/A
Edition N/A
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Levelled N/A



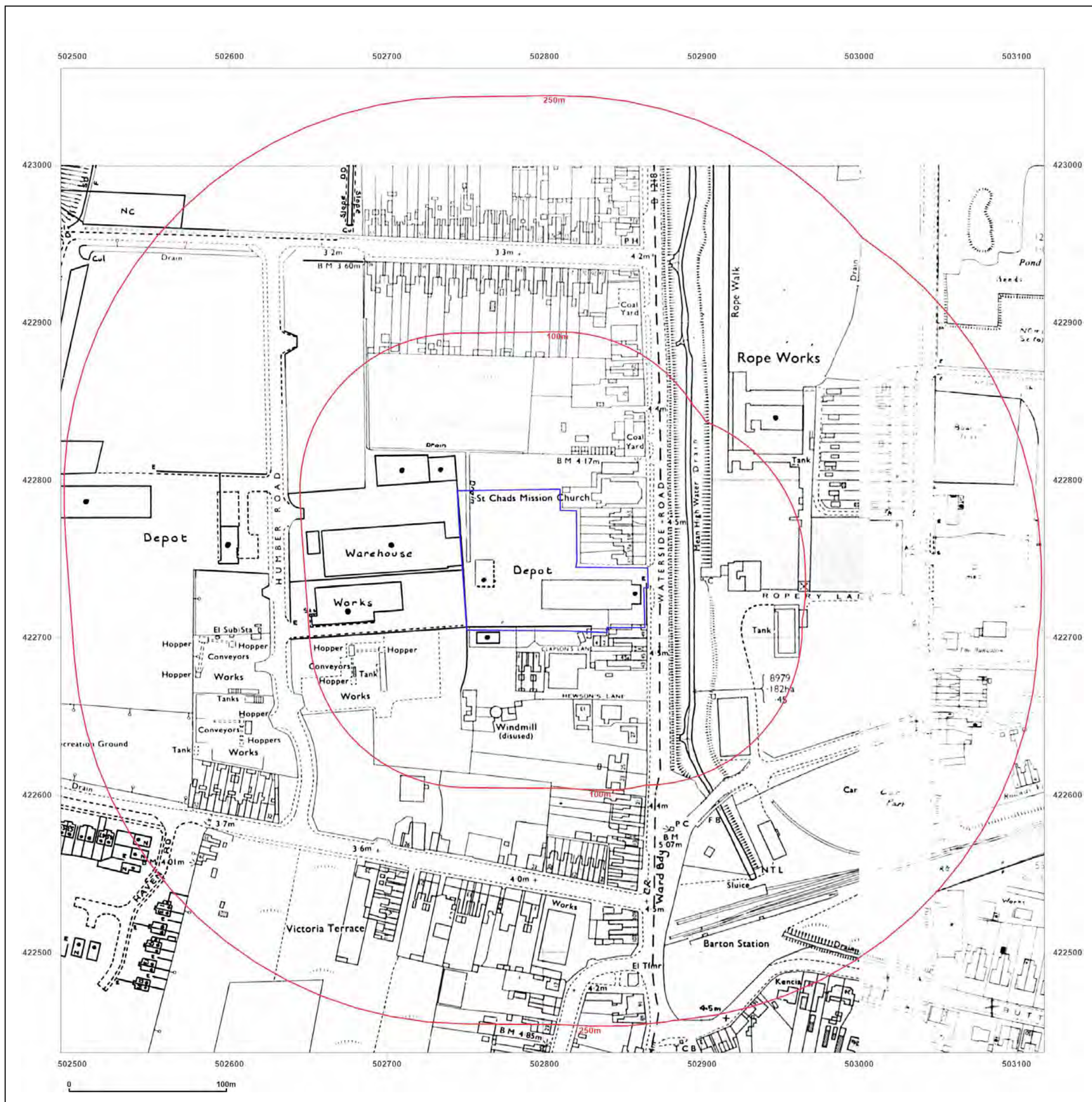
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Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

Map Name: National Grid

Map date: 1982-1983

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1983
Edition N/A
Copyright 1984
Levelled 1969

Surveyed 1982
Revised 1982
Edition N/A
Copyright 1983
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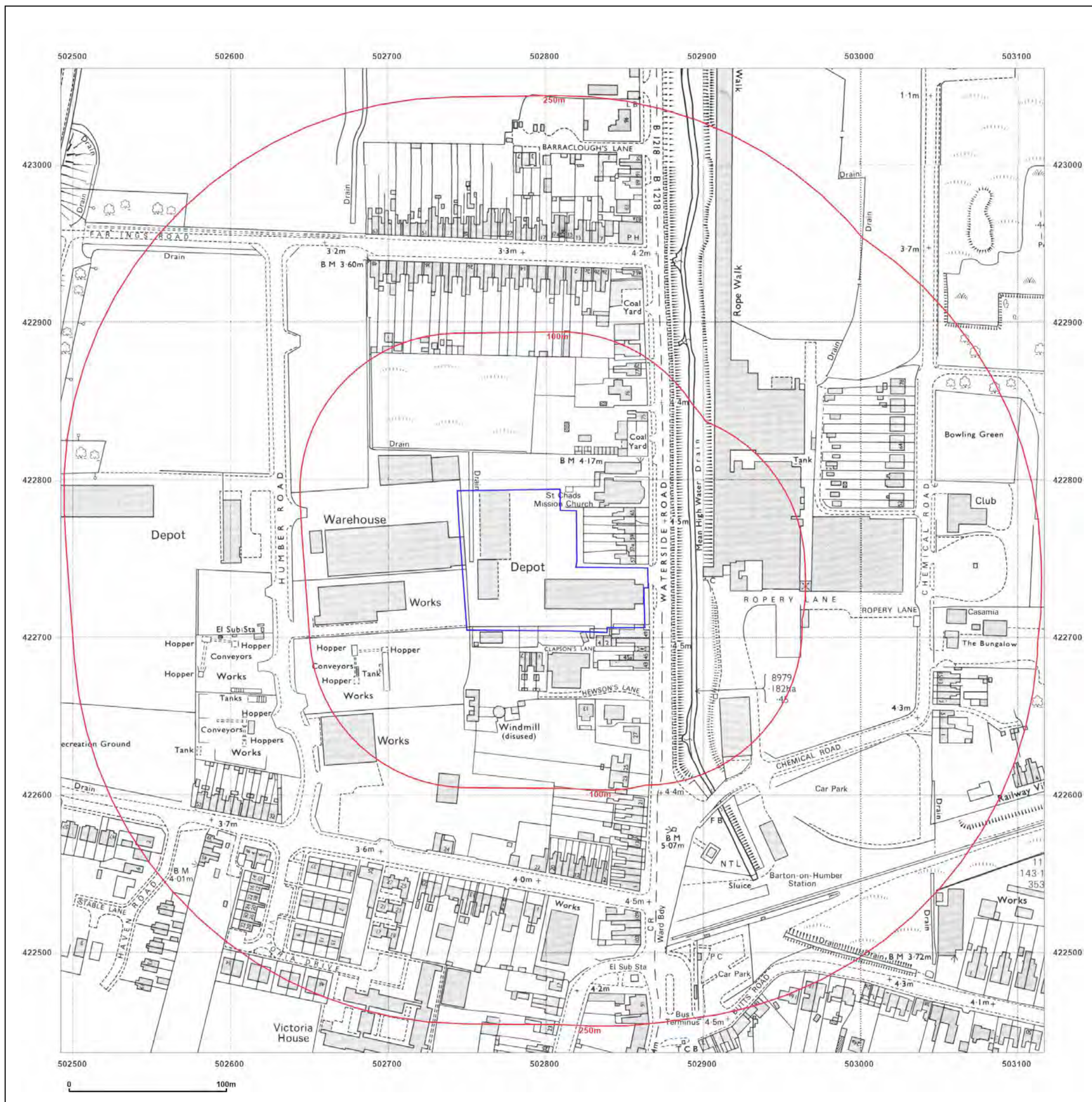
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Grid Ref: 502805, 422749

Map Name: National Grid

Map date: 1983-1987

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
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Surveyed 1969
Revised 1982
Edition N/A
Copyright 1987
Levelled 1969

Surveyed 1969
Revised 1983
Edition N/A
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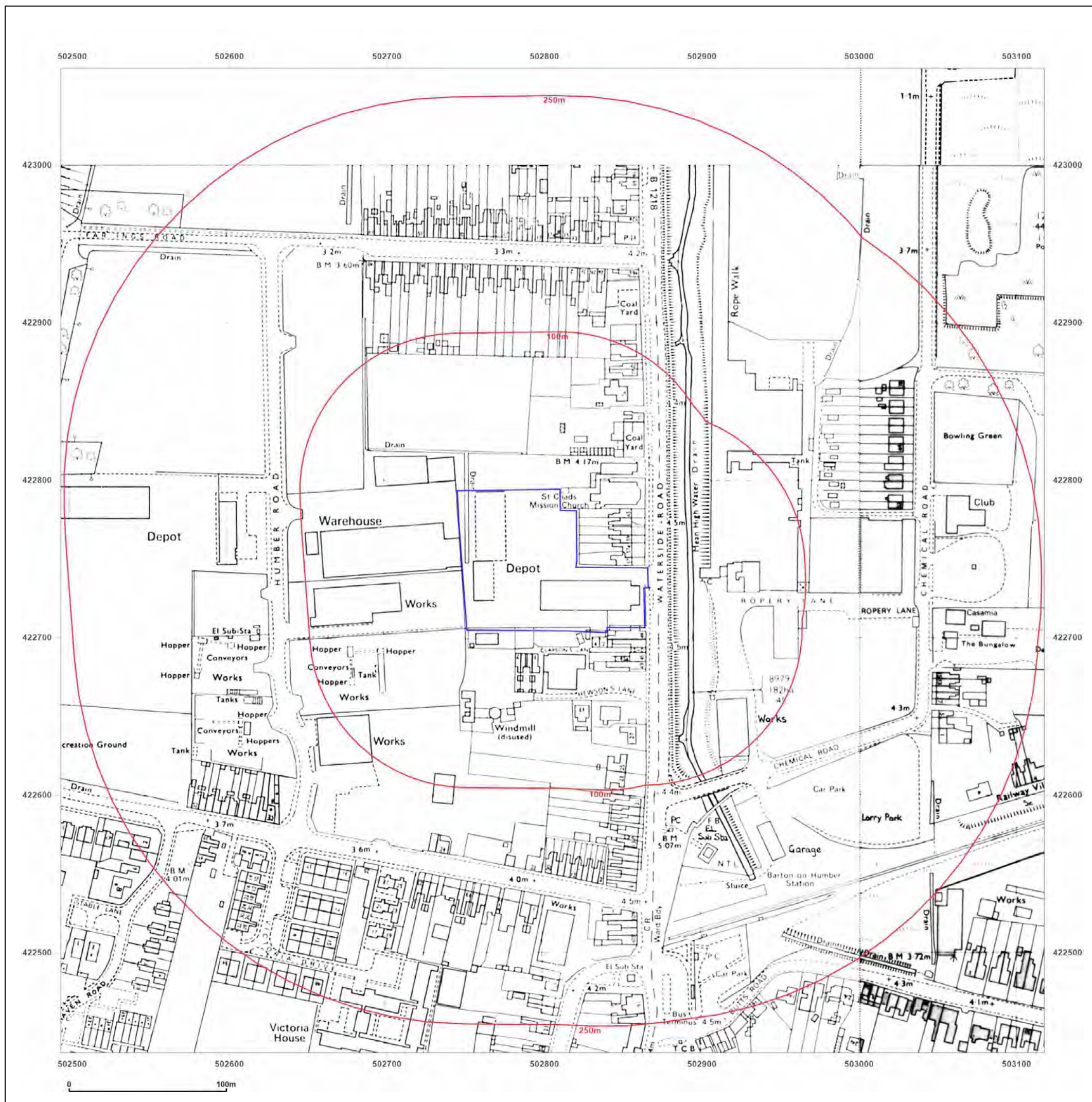
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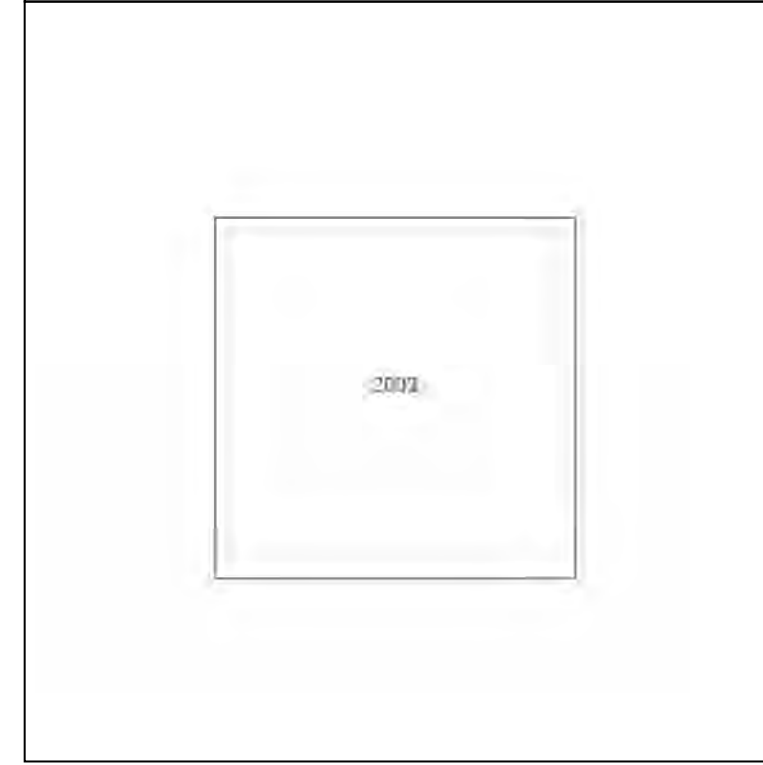
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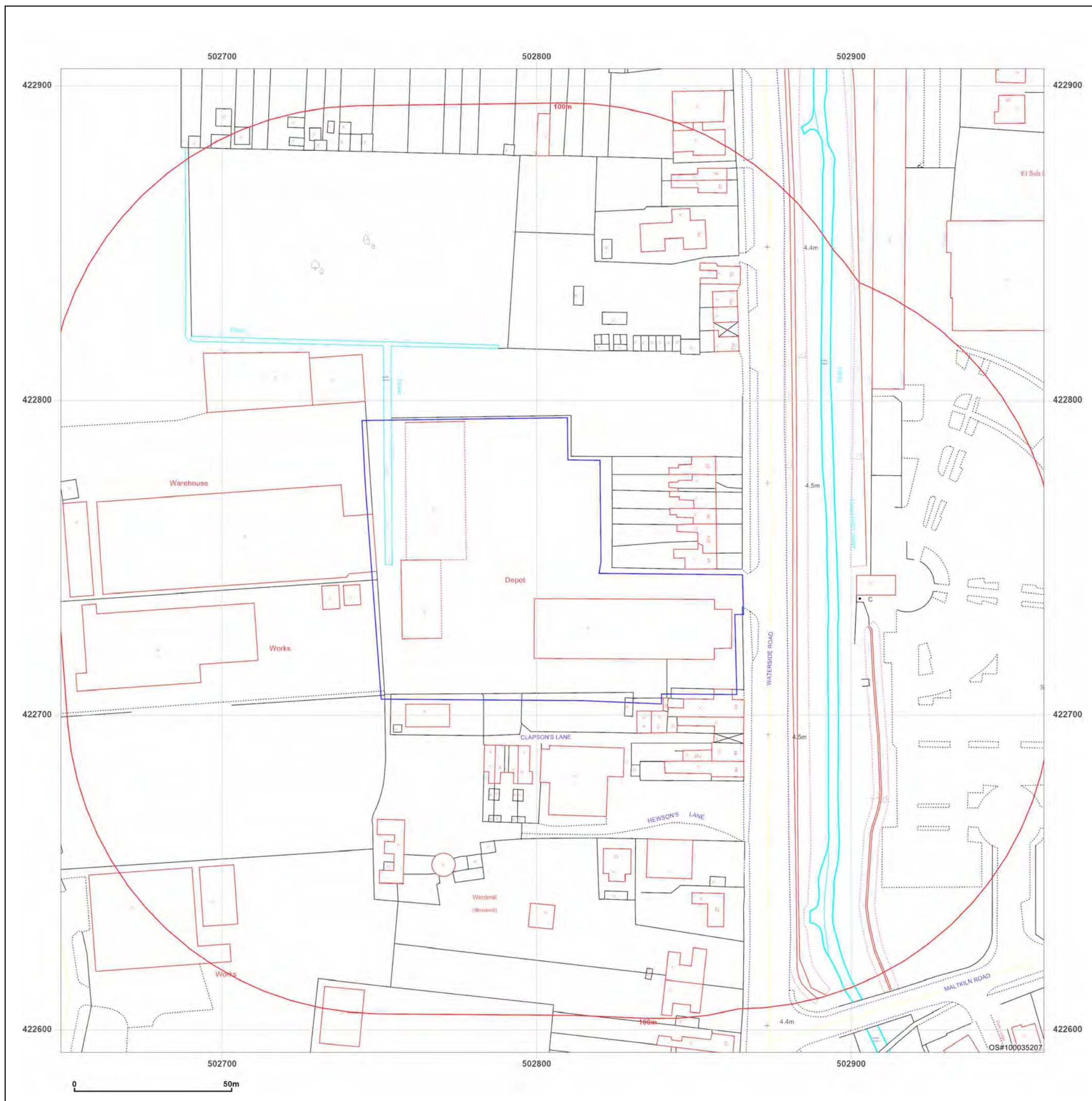
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Grid Ref: 502805, 422749

Map Name: County Series

Map date: 1885

Scale: 1:10,560

Printed at: 1:10,560



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



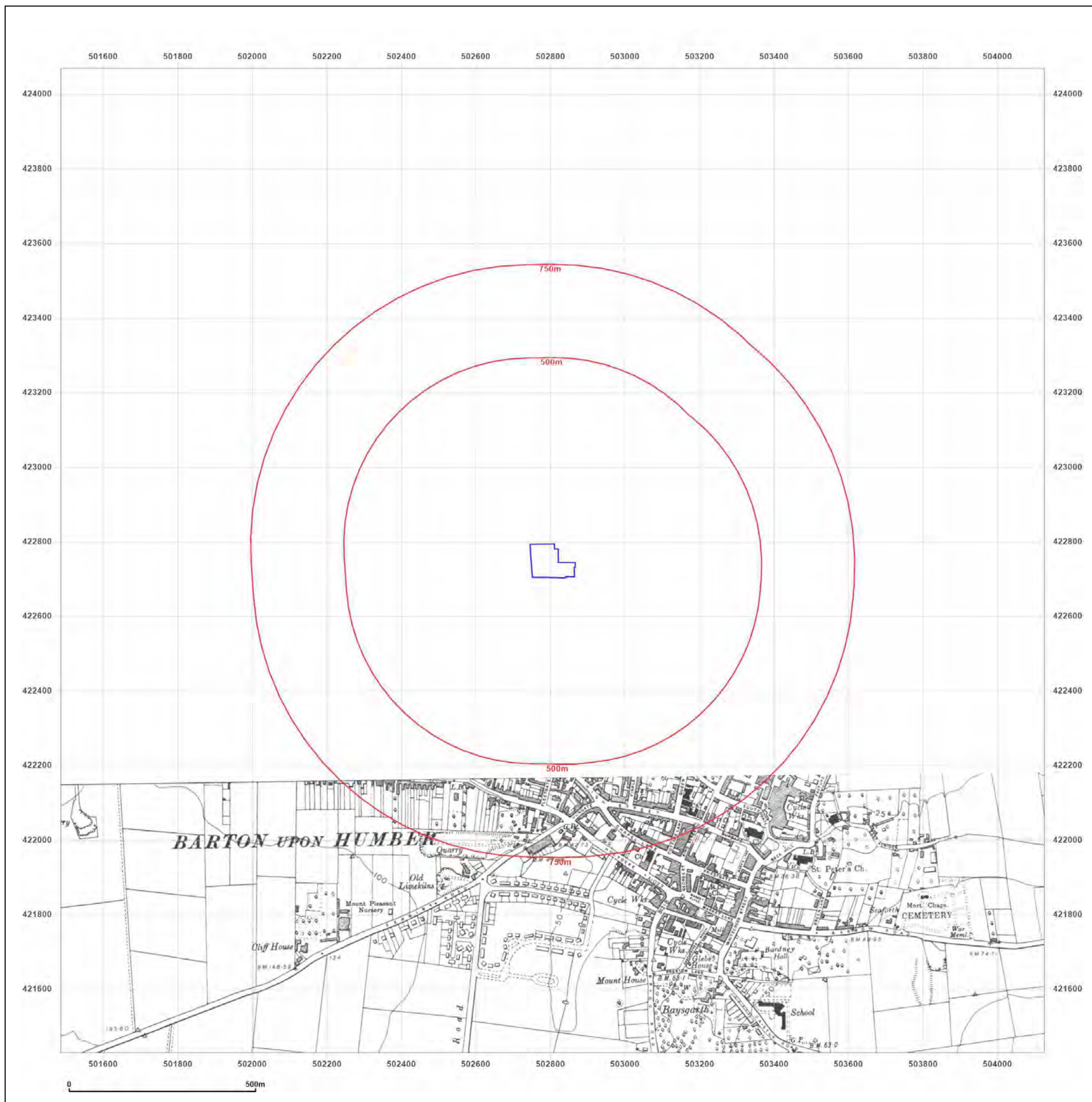
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Grid Ref: 502805, 422749

Map Name: County Series

Map date: 1886

Scale: 1:10,560

Printed at: 1:10,560



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

Surveyed 1886
Revised N/A
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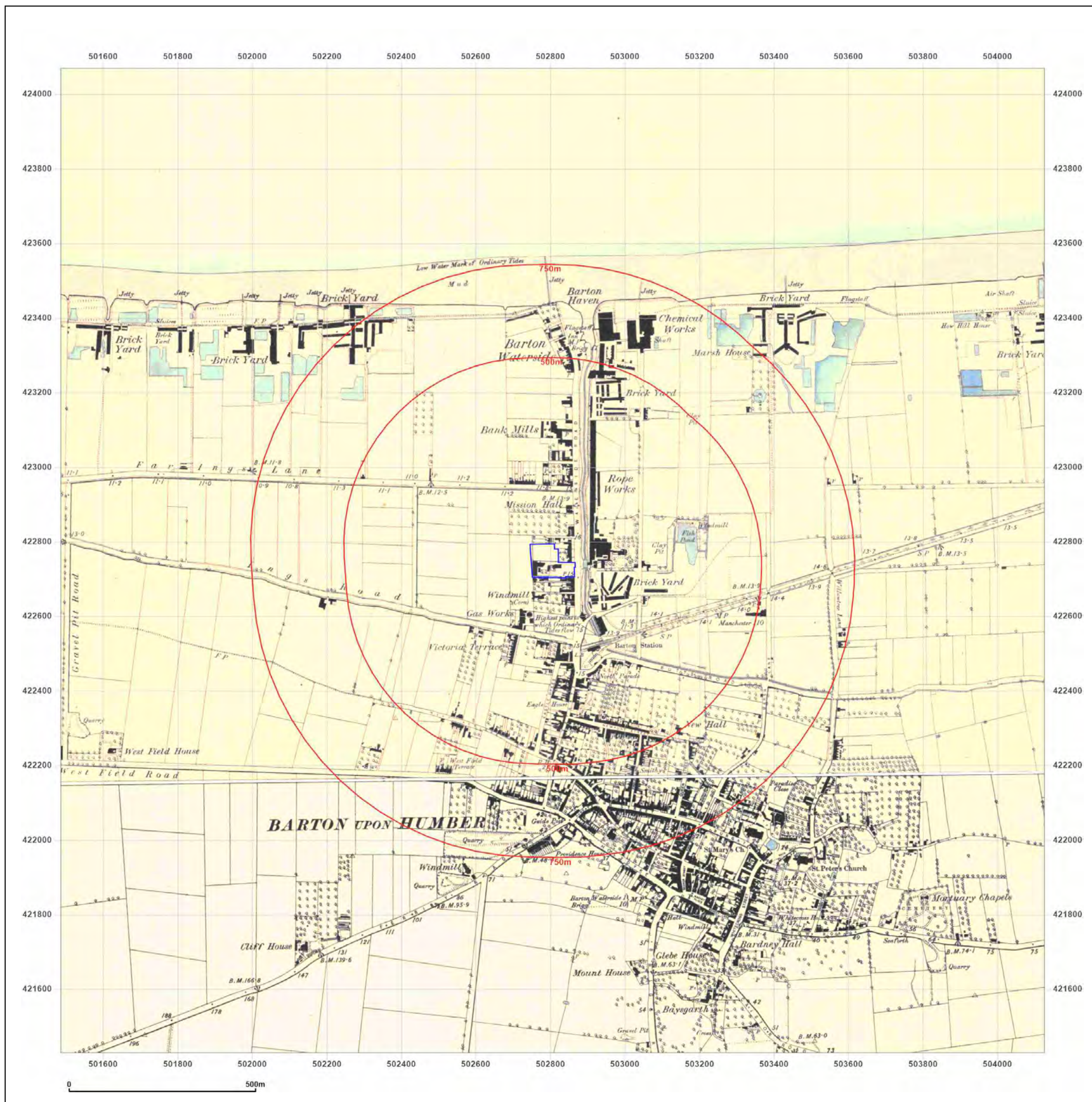
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Map Name: County Series

Map date: 1886

Scale: 1:10,560

Printed at: 1:10,560



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

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



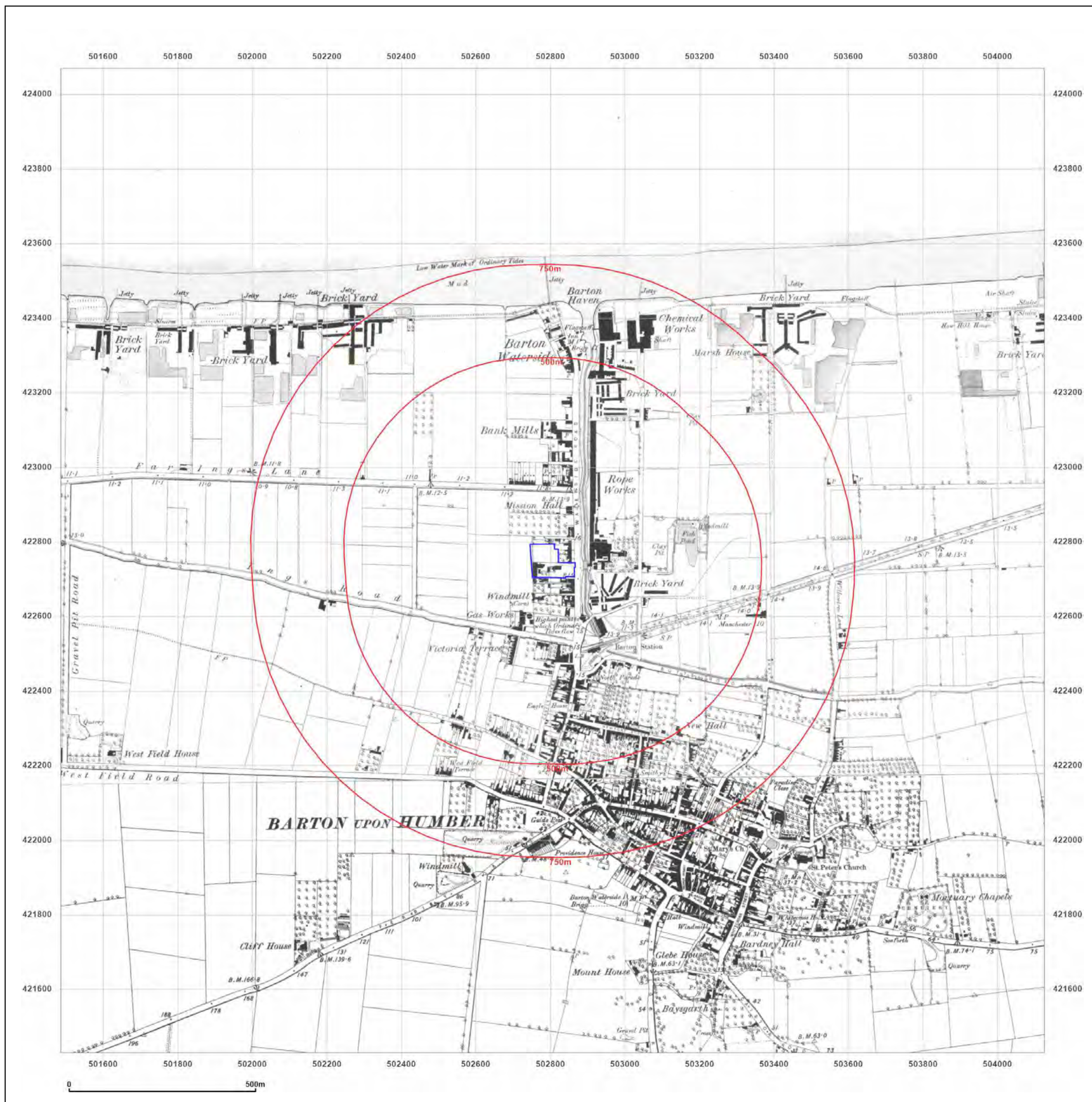
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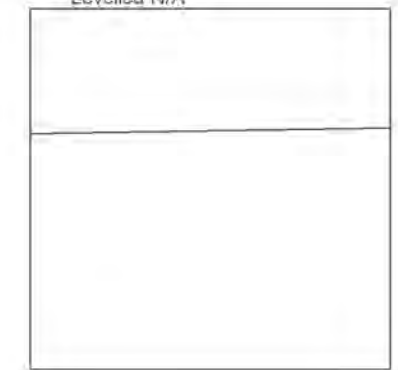
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Printed at: 1:10,560



Surveyed 1888
Revised N/A
Edition 1892
Copyright N/A
Levelled N/A



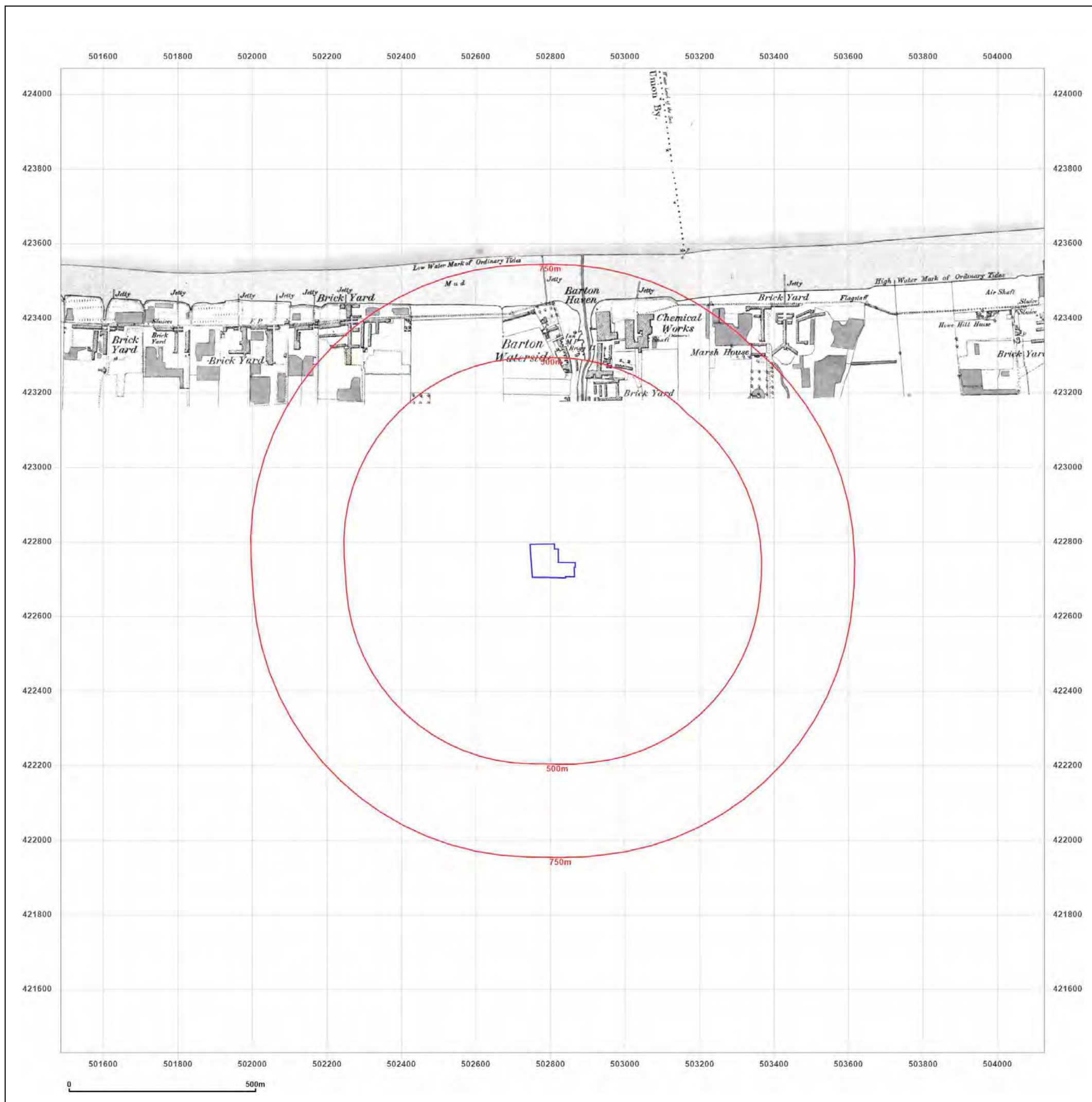
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Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

Map Name: County Series

Map date: 1906

Scale: 1:10,560

Printed at: 1:10,560



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

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



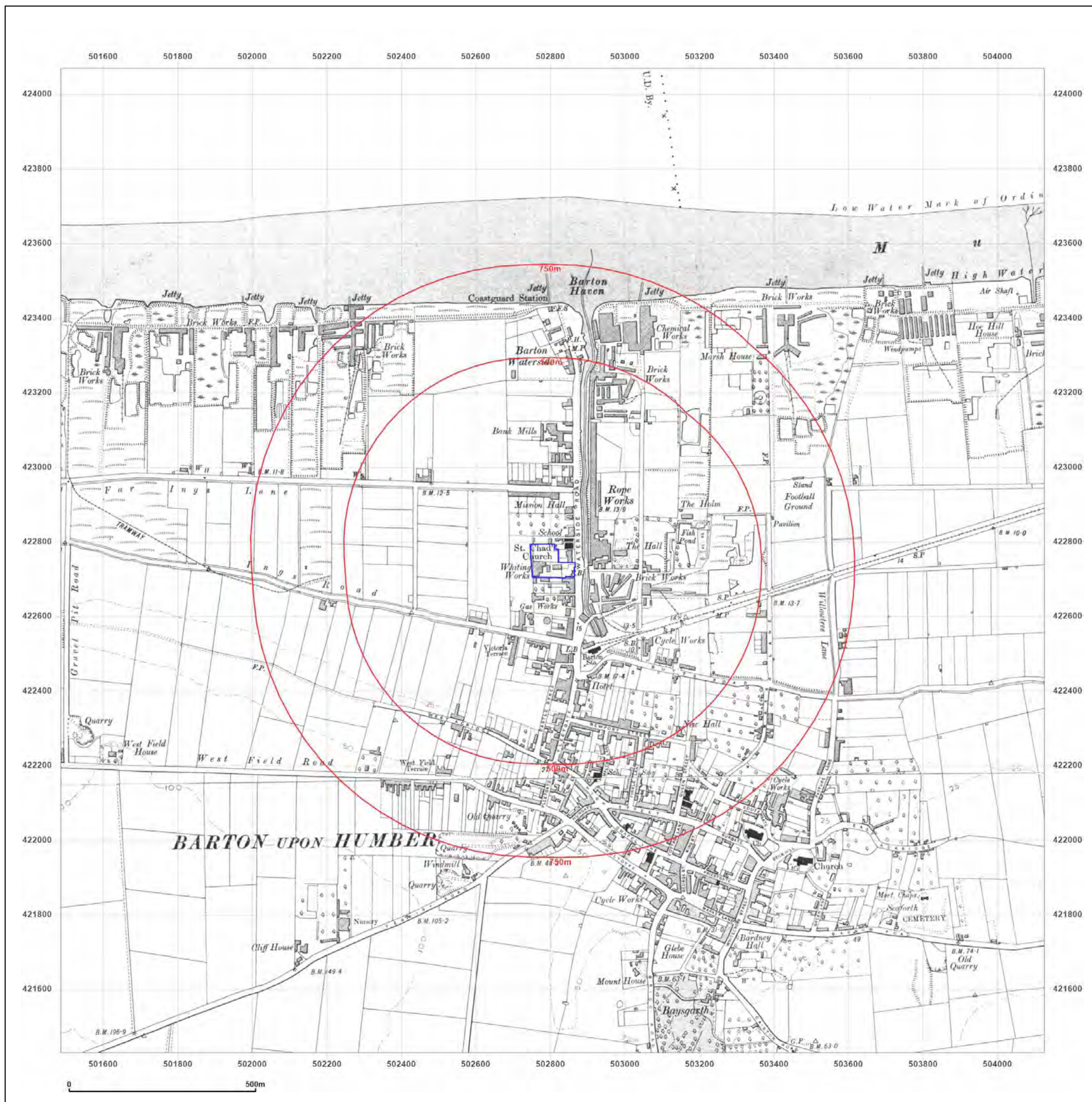
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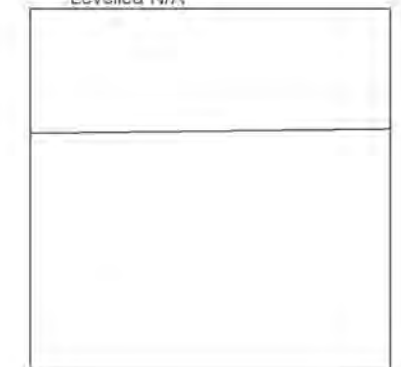
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Printed at: 1:10,560



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



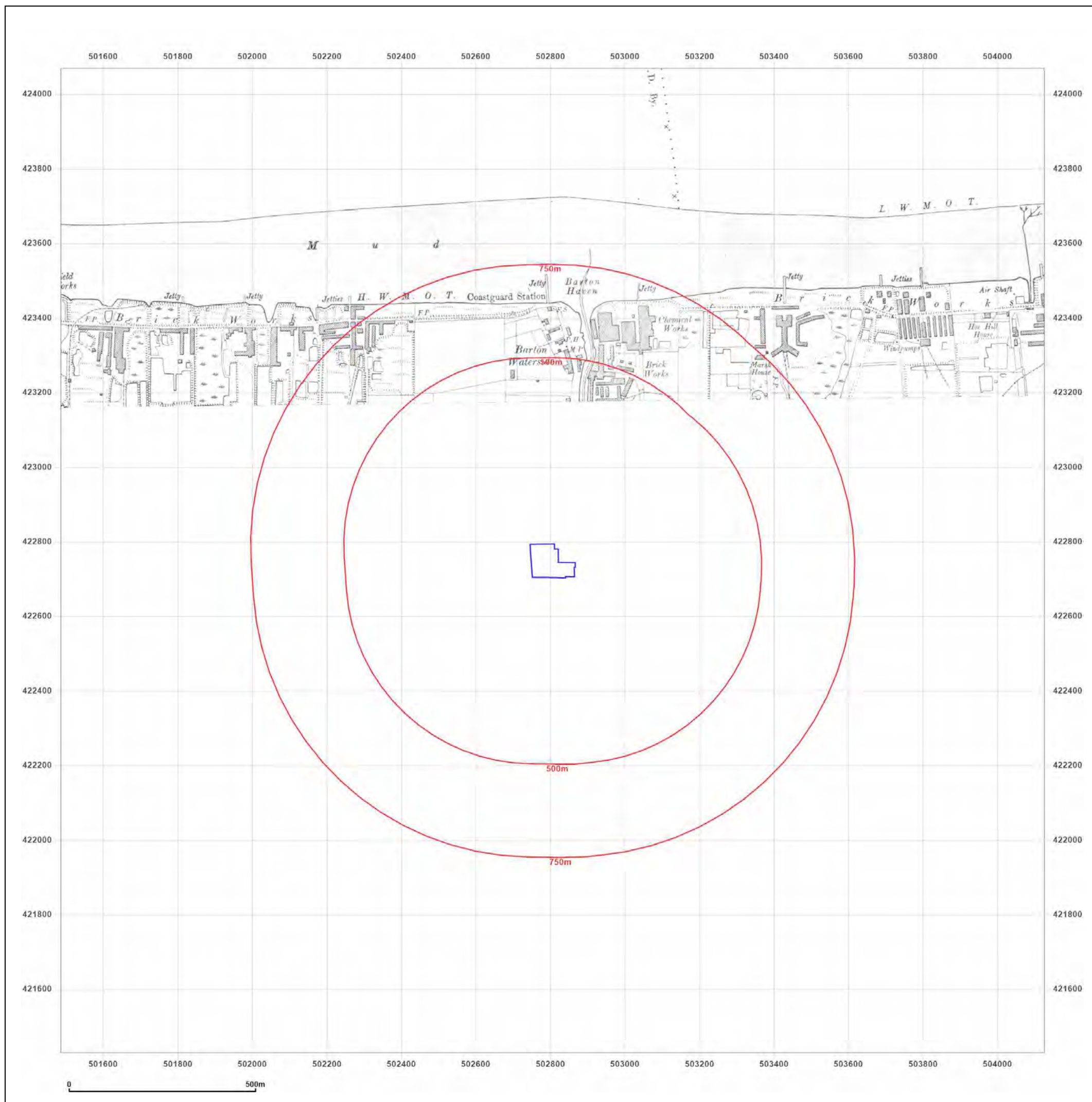
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Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

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



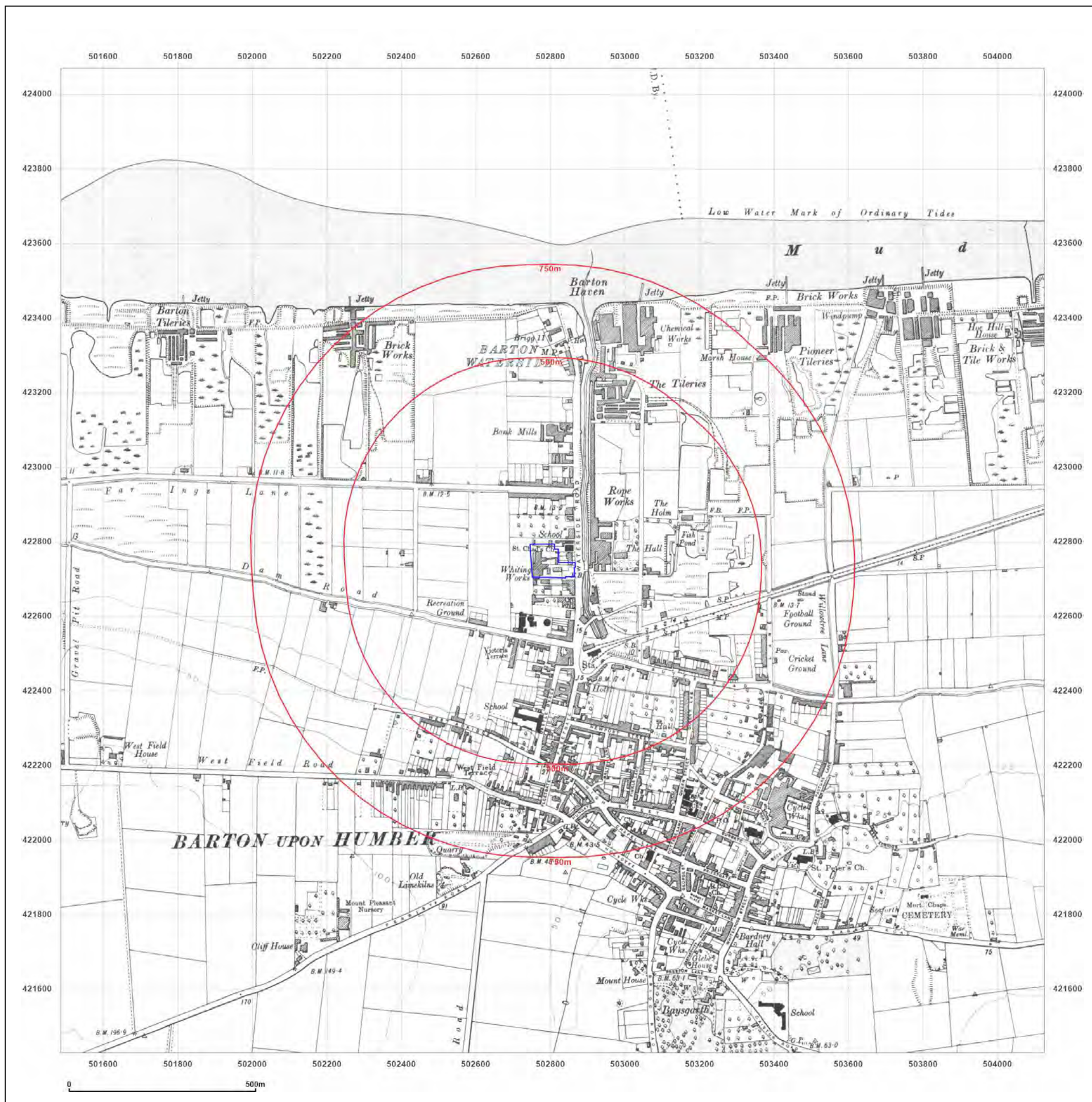
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Map Name: County Series

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Printed at: 1:10,560



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



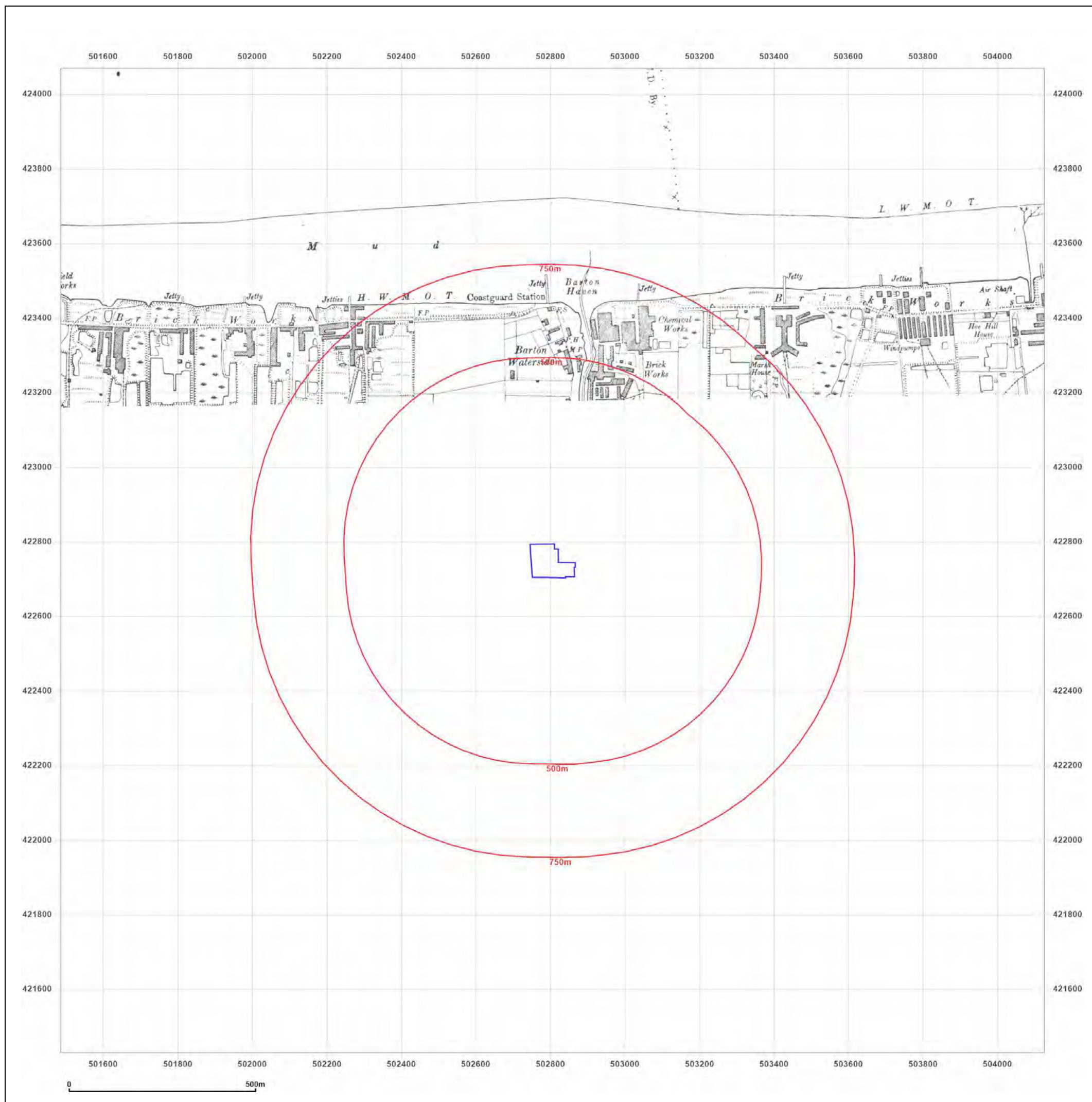
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Grid Ref: 502805, 422749

Map Name: County Series

Map date: 1947-1948

Scale: 1:10,560

Printed at: 1:10,560



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

Surveyed N/A
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A



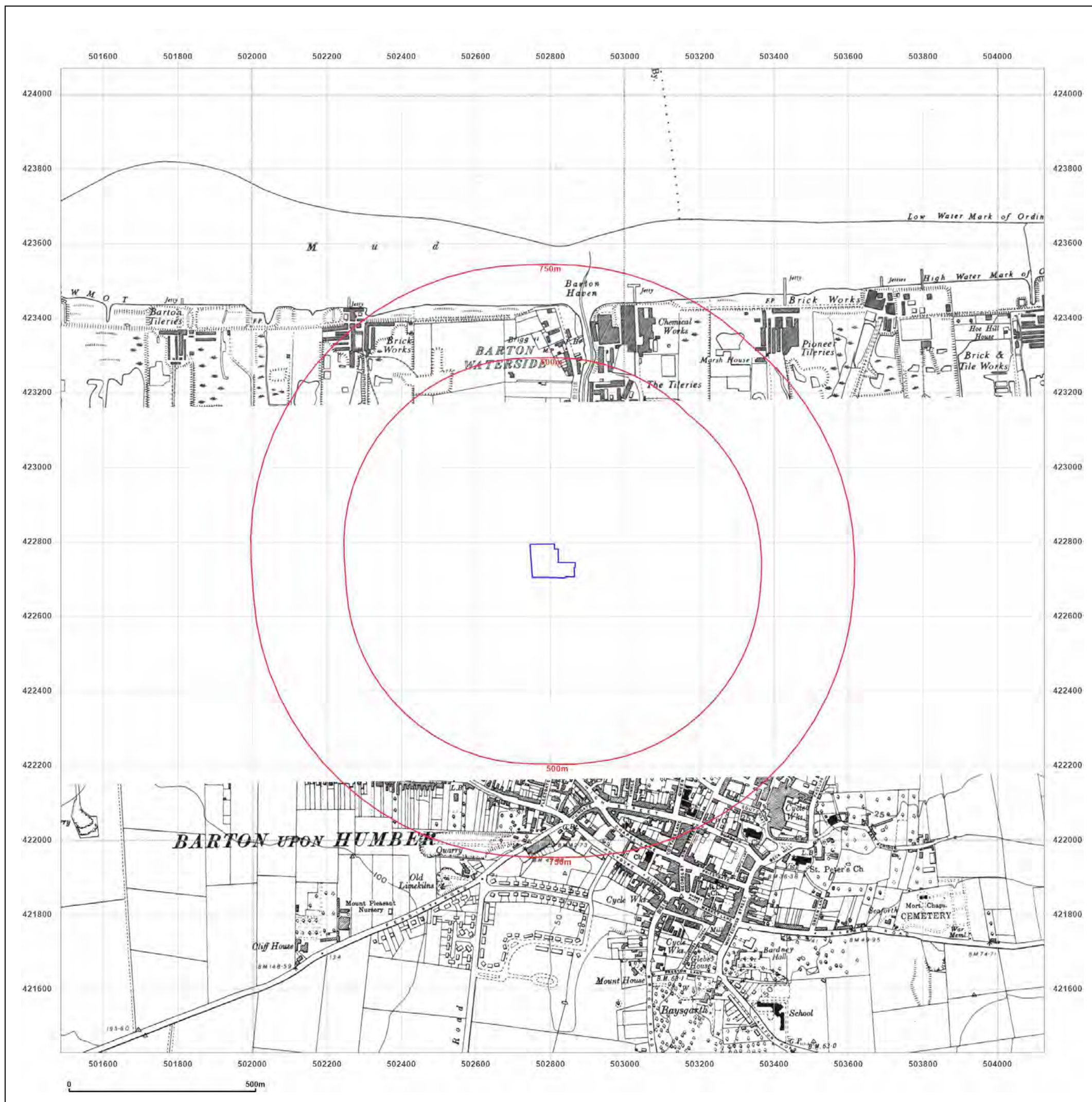
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Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1886
Revised 1948
Edition N/A
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Levelled N/A



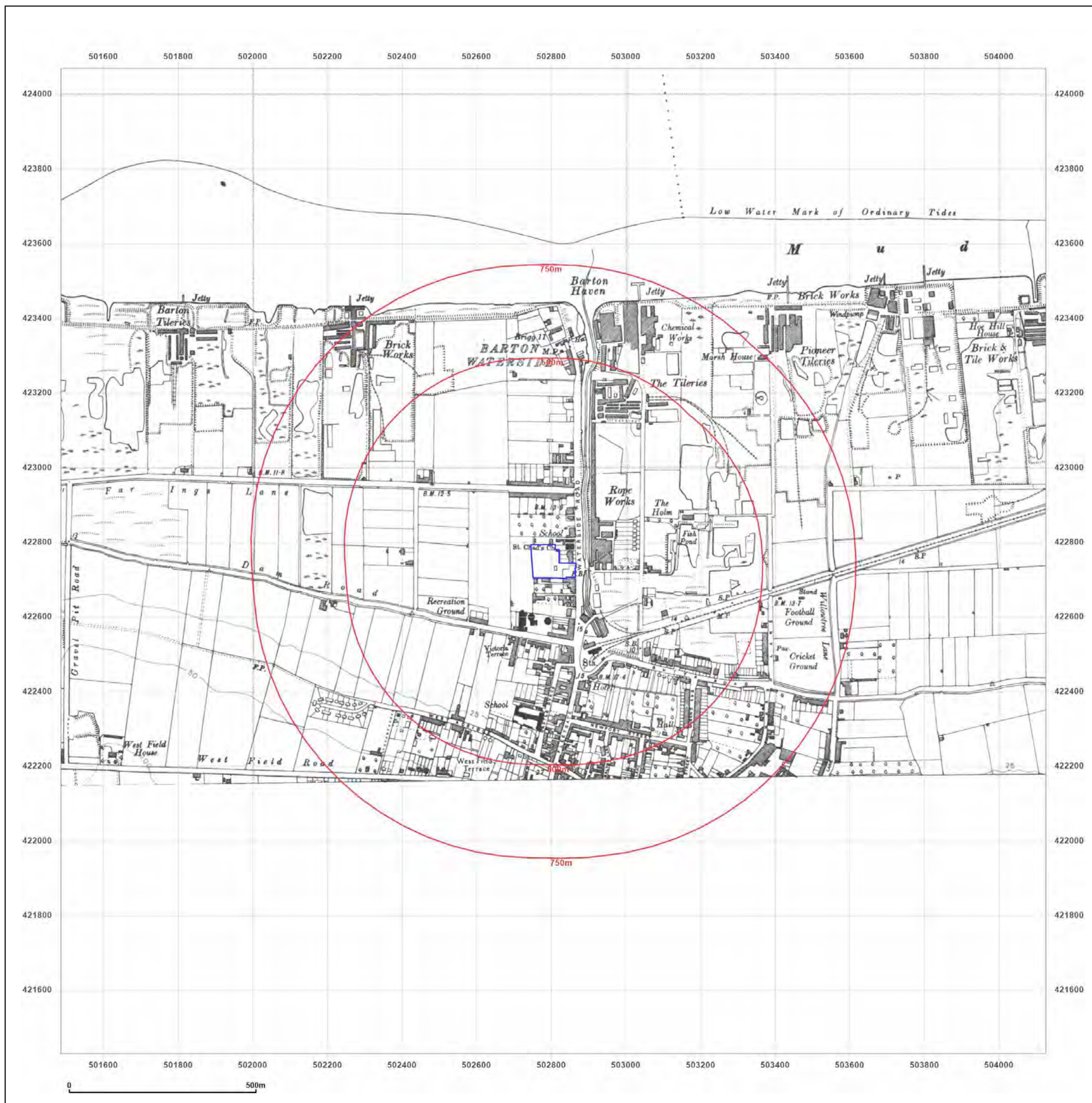
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Grid Ref: 502805, 422749

Map Name: Provisional

Map date: 1956

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Printed at: 1:10,560



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Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

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



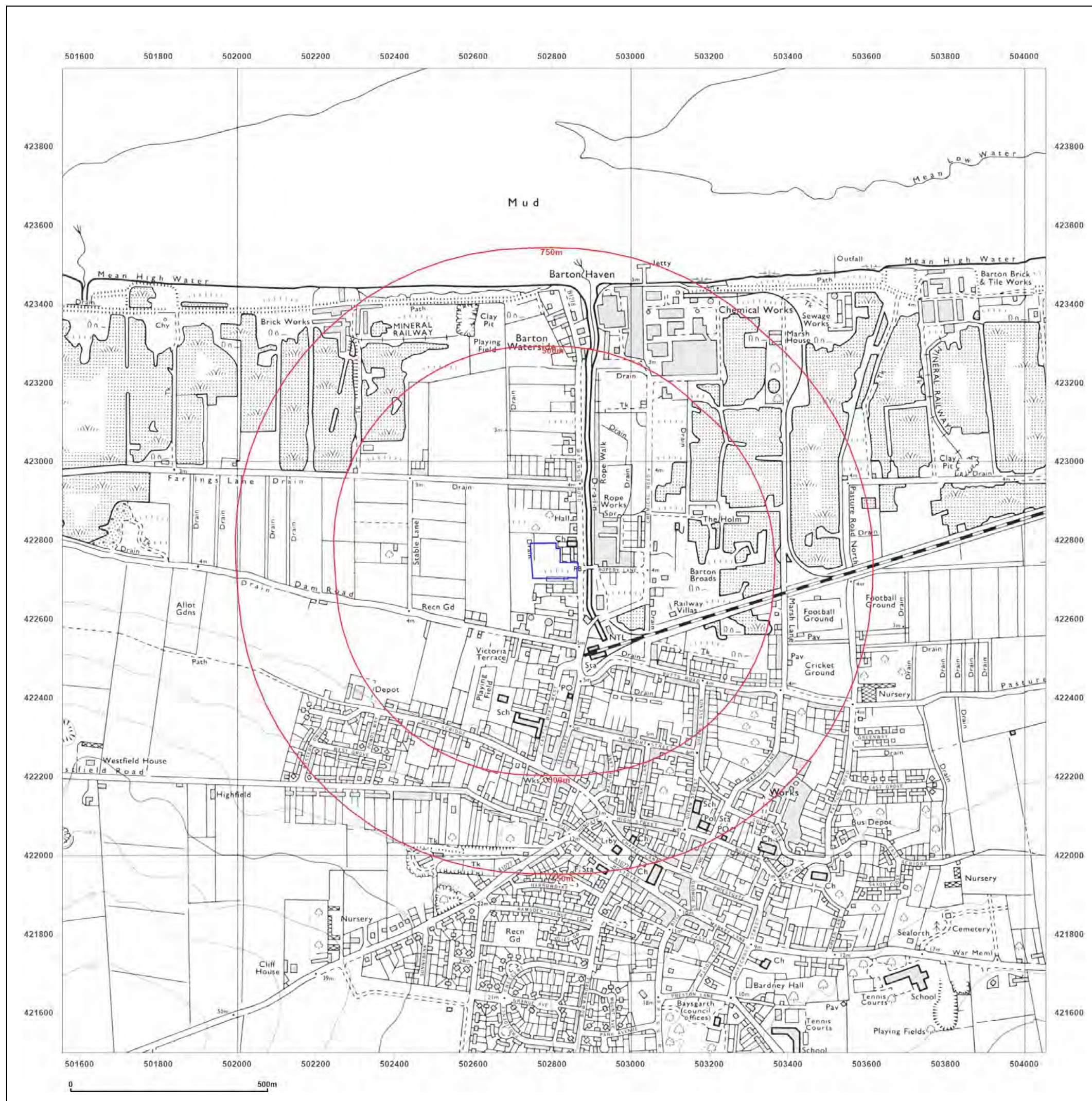
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Grid Ref: 502805, 422749

Map Name: National Grid

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Printed at: 1:10,000



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Edition N/A
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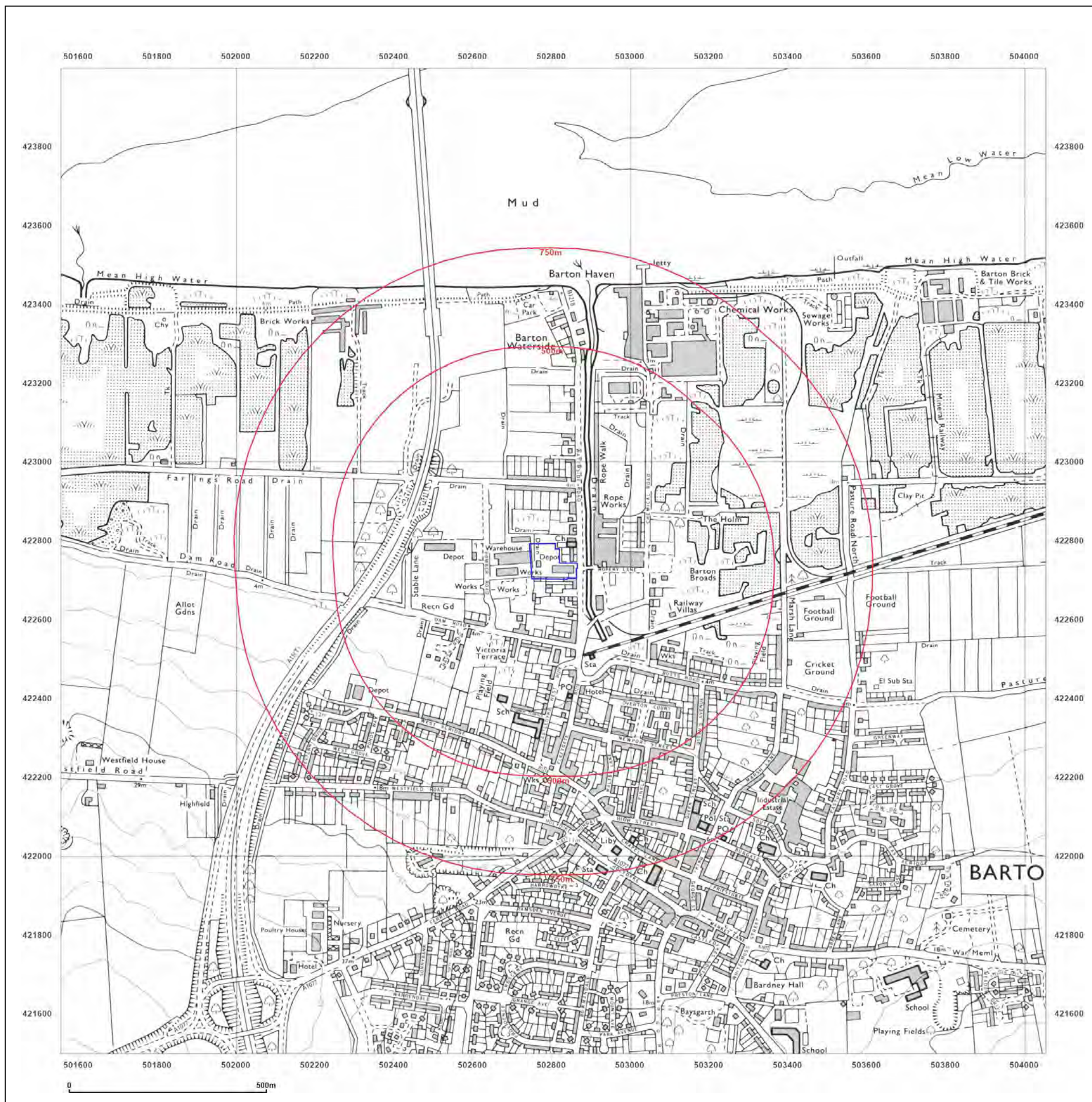
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Report Ref: CMAPS-GDP-1138555-33420-301123HIS
Grid Ref: 502805, 422749

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
Levelled N/A



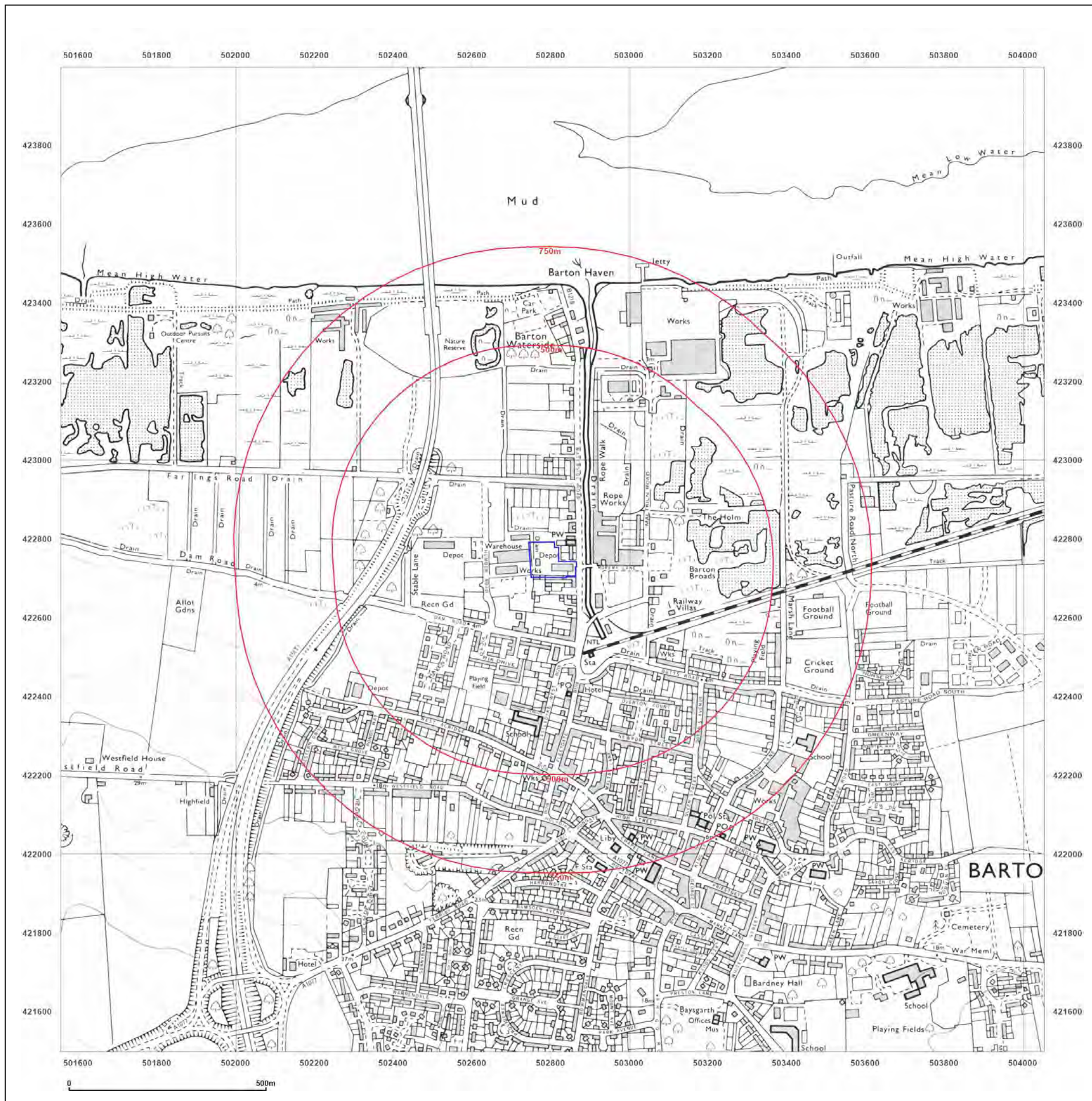
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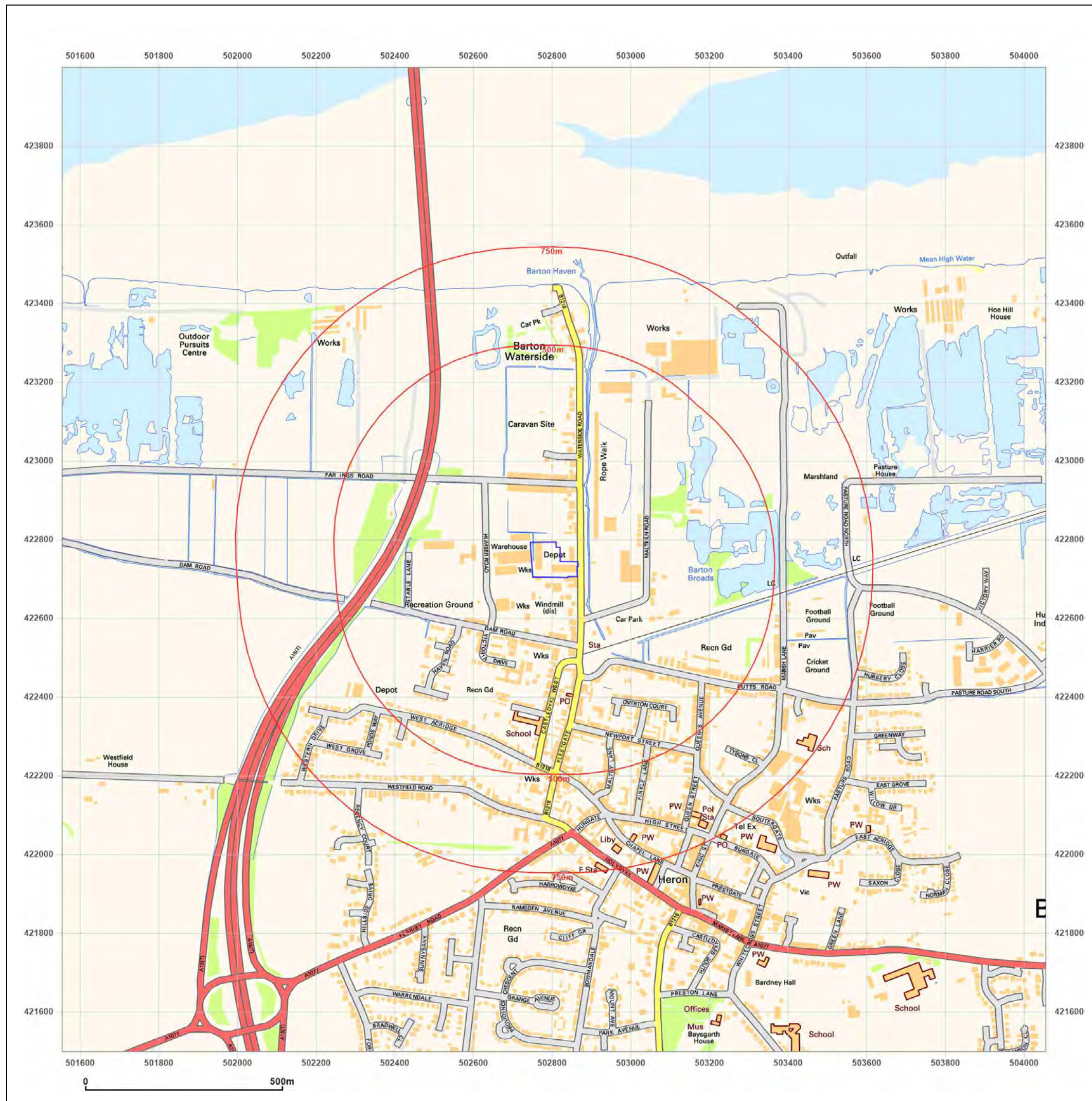
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Grid Ref: 502805, 422749

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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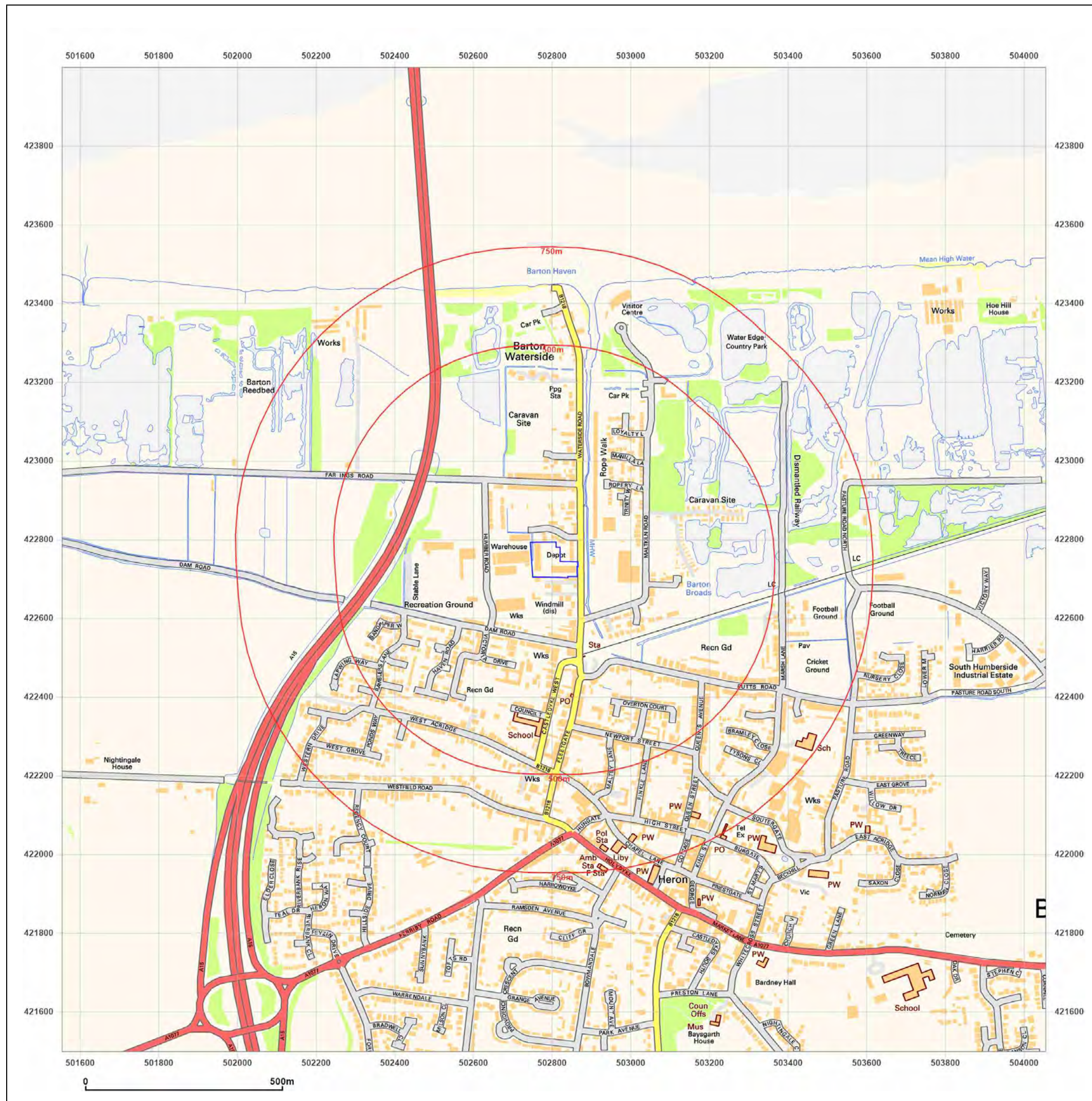
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Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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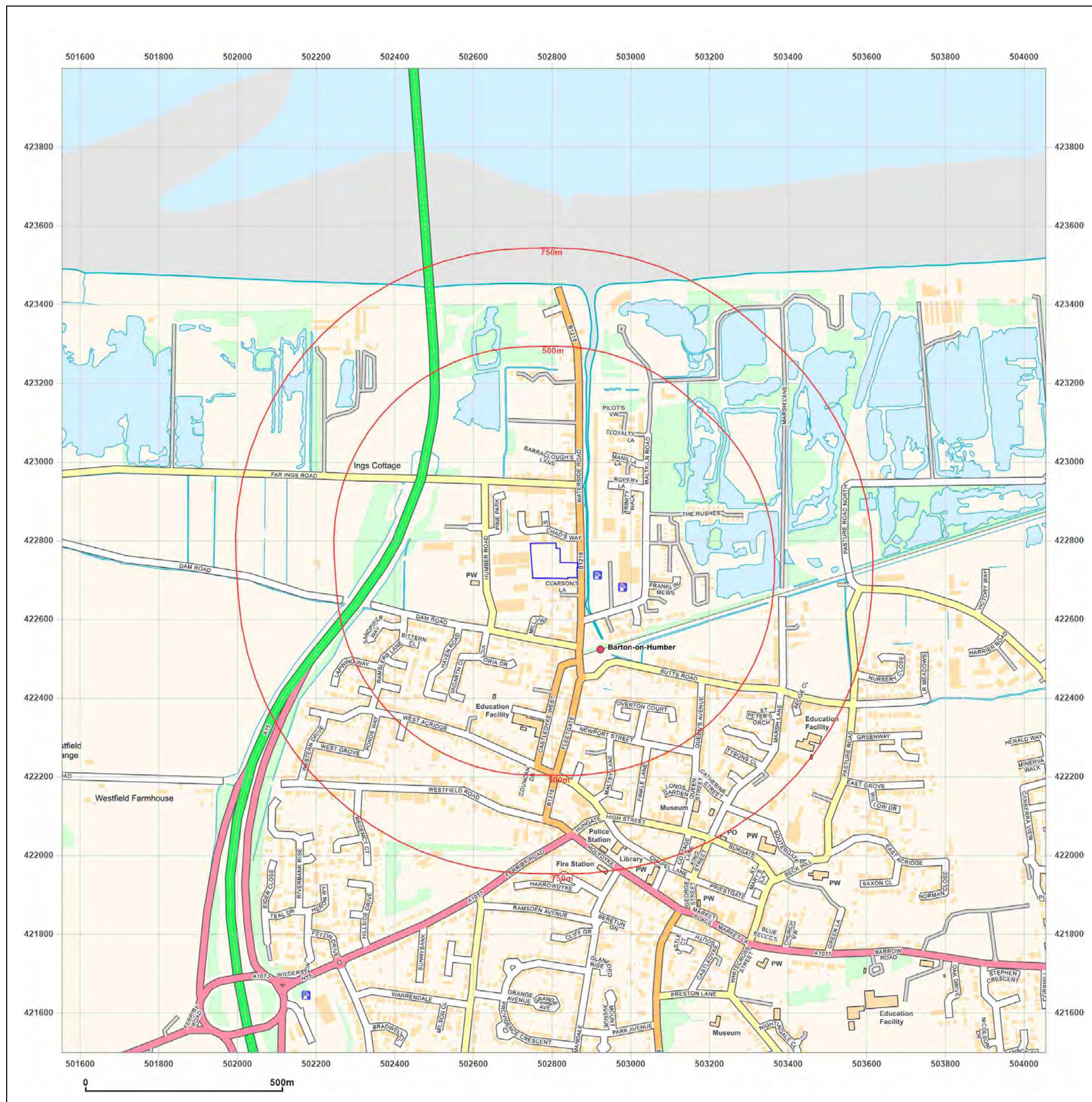
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Appendix 3
Contaminated Land Risk Assessment Methodology

Contaminated Land Risk Assessment Methodology

The following classification was published by the NHBC, EA, and CIEH (2008). This was developed from *DOE Guide to Risk Assessment and Risk Management for Environmental Protection and the Statutory Guidance on Contaminated Land* (Defra September 2006).

The methodology differs from that presented in *Contaminated Land Risk Assessment, A Guide to Good Practice* (CIRIA C552, 2001), particularly in terms of the definitions of classification of consequence, which includes consideration of immediacy of hazards. The risk assessment methodology is now better aligned with health and safety and geotechnical risk assessment processes.

The designation of risk is based upon the consideration of both:

- **the magnitude of the potential consequence (i.e. severity).**
[takes into account both the potential severity of the hazard and the sensitivity of the receptor]
- **the magnitude of probability (i.e. likelihood).**
[takes into account both the presence of the hazard and receptor and the integrity of the pathway]

The potential consequences of contamination risks occurring at this Site are classified in accordance with Table 1 below:

Table 1: Classification of Consequence (Source: R&D 66:2008)

Classification	Definition of Consequence
Severe	<p>Highly elevated concentrations likely to result in “significant harm” to human health as defined by the EPA 1990, Part 2A, if exposure occurs.</p> <p>Equivalent to EA Category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce.</p> <p>Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long-term maintenance of the population.</p> <p>Catastrophic damage to crops, buildings or property.</p>
Medium	<p>Elevated concentrations which could result in “significant harm” to human health as defined by the EPA 1990, Part 2A if exposure occurs.</p> <p>Equivalent to EA Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce.</p> <p>Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population.</p> <p>Significant damage to crops, buildings or property.</p>
Mild	<p>Exposure to human health unlikely to lead to “significant harm”.</p> <p>Equivalent to EA Category 3 pollution incident including minimal or short lived effect on water quality; marginal effect on amenity value, agriculture or commerce.</p> <p>Minor or short lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population.</p> <p>Minor damage to crops, buildings or property.</p>
Minor	<p>No measurable effect on humans.</p> <p>Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects of damage to buildings, structures and services.</p>

The probability of contamination risks occurring at this Site is classified in accordance with Table 2 below. Note: A pollution linkage must first be established before probability is classified. If there is no pollution linkage then there is no potential risk. If there is no pollution linkage then it follows that there is no need to apply tests for probability and consequence.

Table 2: Classification of Probability

Classification	Definition of Probability
High Likelihood	There is pollutant linkage and an event would appear very likely in the short-term and almost inevitable over the long-term, or there is evidence at the receptor of harm or pollution.
Likely	There is pollutant linkage and all the elements are present and in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short-term and likely over the long-term.
Low Likelihood	There is pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a long period such an event would take place, and is less likely in the shorter term.
Unlikely	There is a pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term.

For each possible pollutant linkage (source-pathway-receptor) identified, the potential risk can be evaluated based upon the following probability x consequence matrix shown in Table 3 below.

Table 3: Overall Contamination Risk Matrix

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Low risk
	Likely	High risk	Moderate risk	Moderate / Low risk	Low risk
	Low likelihood	Moderate risk	Moderate / Low risk	Low risk	Very low risk
	Unlikely	Moderate / Low risk	Low risk	Very low risk	Very low risk

R&D 66:2008 presents definitions of the risk categories, together with the investigatory and remedial actions that are likely to be necessary for each outcome. These definitions are reproduced in Table 4. These risk categories apply to each pollutant linkage, i.e. not only to each hazard or receptor.

[Continued next page]

Table 4: Definition of Risk Categories and Likely Actions Required

Risk Category	Definition and likely actions required
Very high	There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the Site without remediation action OR there is evidence that severe harm to a designated receptor is already occurring. Realisation of that risk is likely to present a substantial liability to be Site owner/or occupier. Investigation is required as a matter of urgency and remediation works likely to follow in the short-term.
High	Harm is likely to arise to a designated receptor from an identified hazard at the Site without remediation action. Realisation of the risk is likely to present a substantial liability to the Site owner/or occupier. Investigation is required as a matter of urgency to clarify the risk. Remediation works may be necessary in the short-term and are likely over the longer term.
Moderate	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely, that the harm would be relatively mild. Further investigative work is normally required to clarify the risk and to determine the potential liability to Site owner/occupier. Some remediation works may be required in the longer term.
Low	It is possible that harm could arise to a designated receptor from identified hazard, but it is likely at worst, that this harm if realised would normally be mild. It is unlikely that the Site owner/or occupier would face substantial liabilities from such a risk. Further investigative work (which is likely to be limited) to clarify the risk may be required. Any subsequent remediation works are likely to be relatively limited.
Very low	It is a low possibility that harm could arise to a designated receptor, but it is likely at worst, that this harm if realised would normally be mild or minor.
No potential risk	There is no potential risk if no pollution linkage has been established.