

Report No: C603
Date: August 2023

**PRELIMINARY INVESTIGATION
of land at
25 NORTH ROAD, OWSTON FERRY, NORTH LINCOLNSHIRE**



Prepared for
Janine Bannard

Prepared by
G&M Consulting Ltd, The Chestnuts, Brackenhill Road, Haxey, Doncaster DN9 2LR





| | | | |
|-----------------------|--|-----------------------|------------------------------------|
| REPORT NUMBER: | C603 | REPORT STATUS: | Final |
| REPORT TYPE: | Preliminary Investigation | | |
| REPORT DATE: | August 2023 | | |
| SITE: | 25 North Street, Owston Ferry, North Lincolnshire | | |
| PREPARED FOR: | Janine Bannard | | |
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PRELIMINARY INVESTIGATION
of land at
25 NORTH STREET, OWSTON FERRY, NORTH LINCOLNSHIRE

1.0 INTRODUCTION.

G&M Consulting Ltd (G&M) was commissioned by Janine Bannard, to undertake a preliminary investigation (desk study) of a plot of land at 25 North Street, North Lincolnshire. It is understood that approval has been granted by North Lincolnshire Council (NLC) reference PA/2022/765, for alternations to the current layout, including the addition of ground floor accommodation. This report has been commissioned to support the discharge Condition No 4 of the above referenced approval.

The proposed development layout is shown on Drawing CWX-JEN-2022-101D, dated March 2022, prepared by Cadworx Ltd. A copy of this drawing is presented in Appendix A of this report.

The aims of this investigation are as follows;

- To determine the land use history of the site from an inspection of available historical Ordnance Survey (OS) plans;
- To determine the environmental setting of the site, including the details of the geology, hydrogeology and hydrology;
- To determine the likelihood of shallow mine workings beneath the site;
- To determine whether the site had previously been used for any purpose that may have given rise to significant ground contamination;
- Develop a Preliminary Conceptual Site Model; and,
- To provide recommendations for any further works, if required.

As part of the desk study, information was sourced from GroundSure Limited (GroundSure), British Geological Survey (BGS), The Coal Authority (CA), The Environment Agency (EA) and Building Research Establishment (BRE). A site inspection (walk-over survey) was also carried out by a G&M Geologist on 19th May 2023.

This report is based on the data obtained from the preliminary investigation, it is limited to that data, and responsibility cannot be accepted for conditions not revealed by the investigation. Any diagram or opinion of the possible configuration of the ground conditions is conjectural and given for guidance only.

During the course of the site walk-over G&M did not note the possible presence of Japanese Knotweed on the subject site. However, it should be borne in mind G&M are not qualified ecologists and as such cannot guarantee the absence of knotweed or other invasive vegetation. If necessary, the possible presence of such vegetation should be confirmed by a qualified ecologist.

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2.0 SITE DESCRIPTION.

2.1 Site Location.

The site is located on North Street, close to the centre of the village of Owston Ferry, approximately 13km south west of Scunthorpe town centre, at National Grid Reference SE 814 002. A site location plan is shown on Drawing No. C603/1, presented in Appendix A of this report.

2.2 Site Features.

The site is a flat lying roughly rectangular shaped piece of land, with the long axis running south-east to north-west. Positioned at approximately 6m above Ordnance Datum, the site covers an area of approximately 0.04 hectares.

The site comprises a number of farm buildings including former workshops and small barns along the northern, western and eastern boundaries. The buildings to the east and west are single storey and are in a poor state of repair, the eastern building is noted to have a pan tile roof, the western buildings have a possible asbestos cement sheet roof. The northern building is a two storey building which is also noted in a poor state of repair, the ground floor of this building is noted to be a former workshop with tooling including old drills noted within the buildings.

The central part of the site is rough grassland and is currently used as parking for the current residence. The site is bounded to the south by an access track, a fuel oil tank is noted adjacent to the southern side of the track, it is noted just off the site and is relatively new. The site is bounded to the east by North Street (from where the site is accessed, to the north by the residence of 25 North Street and to the west by farm buildings associated with an adjacent farm, an above ground fuel tank is noted close to the western boundary of the site associated with the adjacent farm.

A set of site condition photographs have been retained by G&M, a selection of which are presented in Appendix C of this report.

3.0 SITE HISTORY.

A GroundSure report was commissioned, as part of this investigation, in order to review the environmental and regulatory information for the site and the immediate surrounding area. A copy of the report is presented in Appendix B of this report. A summary of the findings of the report and the general setting of the site is described in the following sections.

The GroundSure report contains historical Ordnance Survey maps which have been reviewed. Below is a summary of the salient points relating to the history of the site, dated from 1885. It is not the intention of this report to describe, in detail, all the changes that have occurred on or adjacent to the site, only those pertinent to the proposed development. This approach is intended to reduce uncertainty in the desk study review process to an acceptable level in line with BS10175:2011+A2:2017.

| Date (Scale) | Site Usage | Surrounding Area Usage |
|---|---|---|
| 1885-1886 (1:10,560) & 1886 (1:2,500) County Series | <ul style="list-style-type: none"> Site is shown as occupied by unlabelled buildings | <ul style="list-style-type: none"> River Trent shown approximately 30m to the east. Malthouse shown approximately 100m to the north east Unlabelled buildings adjacent to northern and southern boundaries Unlabelled road shown running adjacent to eastern boundary |
| 1905/1907 (1:10,560) & 1907 (1:2,500) County Series | <ul style="list-style-type: none"> No significant change | <ul style="list-style-type: none"> Unlabelled road now shown as North Street |
| 1948 (1:10,560) County Series | <ul style="list-style-type: none"> No significant change | <ul style="list-style-type: none"> No significant change |
| 1951 (1:10,560) Provisional | <ul style="list-style-type: none"> No significant change | <ul style="list-style-type: none"> No significant change |

| | | |
|--|--------------------------|-------------------------|
| 1971/1972 (1:2,500) National Grid | • No significant change | • No significant change |
| 1978/1982 (1:10,000) National Grid | • No significant change | • No significant change |
| 1991/1992 & 1994 (1:2,500) National Grid | • No significant change | • No significant change |
| 2001 (1:10,000) National Grid | • No significant change | • No significant change |
| 2003 (1:1,250) LandLine | • No significant change. | • No significant change |
| 2010 (1:10,000) National Grid | • No significant change | • No significant change |
| 2023 (1:10,000) National Grid | • No significant change | • No significant change |

4.0 ENVIRONMENTAL SETTING.

4.1 Published Geology

| | |
|-------------------------------------|---|
| Maps/publications referenced | 1:63,360, Sheet 88 (Doncaster) Solid and Drift Edition 1969 BGS online Geindex interactive map. Groundsure Report Ref: GS-BZZ-WCW-KRM-GOG |
| Drift Geology | Alluvium – clay, silt, sand & gravel |
| Solid Geology | Mercia Mudstone Group – Triassic age |
| Dip | No local dip indicated. |
| Faults | No named/mapped faults recorded within 500m of site |

4.2 GroundSure GeoInsight

The GroundSure report contains a GeoInsight report, this presents the published geology, as detailed above together with a risk assessment on potential geological hazards. All risks identified as less than ‘Low’ are not discussed further. All identified natural hazard risks at the site are deemed to be ‘very low’ or ‘negligible’, with the exception of compressible deposits, which are deemed to be ‘moderate’.

4.3 Hydrology

The GroundSure Report indicates that the site is located on a Flood Zone 3. The site is shown as benefiting from flood defences, within 50m of the site.

The highest risk posed to the site from ‘Surface Water Flooding’ according to the GroundSure Report is highlighted to be ‘1 in 1000 year, 0.3m – 1.0m (within 50m)’.

The GroundSure Report indicates that the risk posed to the site (and within 50m) from ‘Groundwater Flooding’ is ‘Low’

There are two recorded historical flood events within 250m of the site, the closest was located 70m south east of the site dated between 1st March and 31st March 1947. The flood source is listed as ‘main river’. with the flood cause noted as ‘Channel capacity exceeded – no raised defences’.

According to the GroundSure report, the closest identified surface water feature is shown as the River Trent, 31m to the south east.

The site is identified to lie within the surface water body catchment of ‘Trent from Carlton-on-Trent to Laughton Drain’ in the operational catchment of ‘*Trent and Trib*’.

The site is not shown to be within a “*Nitrate Sensitive Area*” but is within a “*Nitrate Vulnerable Zone*”.

4.4 Hydrogeology

Information contained in the GroudSure report, provided by the EA indicates that the superficial deposits at the site (Alluvium) and the surrounding area are designated ‘Secondary A’ aquifer, which is defined as having;

‘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.’

Information provided by the EA indicates that the underlying bedrock (Mercia Mudstone Group) is classified as ‘Secondary B’, which is defined as having;

‘Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers.’

The GroundSure Report identifies that the site is positioned within an area where Groundwater Vulnerability for both superficial and bedrock geology is ‘*High*’.

The site is not shown to be positioned within a Source Protection Zone.

4.5 Mining and Quarrying

According to the Coal Authority interactive mapping tool (<http://mapaps2.bgs.co.uk/coalauthority/home.html>), the site is not positioned within a ‘Development high risk area’.

The GroundSure Report confirms that there are no records relating to the following mineral extraction activities at the site – ‘Coal Mining’, ‘Brine Areas’, ‘Gypsum Areas’, ‘Tin Mining’ and ‘Clay Mining’.

The GroundSure Report indicates there are no surface ground workings within 250m of the site.

4.6 Radon

The GroundSure report contains information on Radon Affected Areas as defined by the Health Protection Agency (HPA) and indicates that:

- The site is positioned within an area where it is estimated less than 1% of properties are affected.
- “No radon protective measures are necessary”.

4.7 Additional Environmental Information

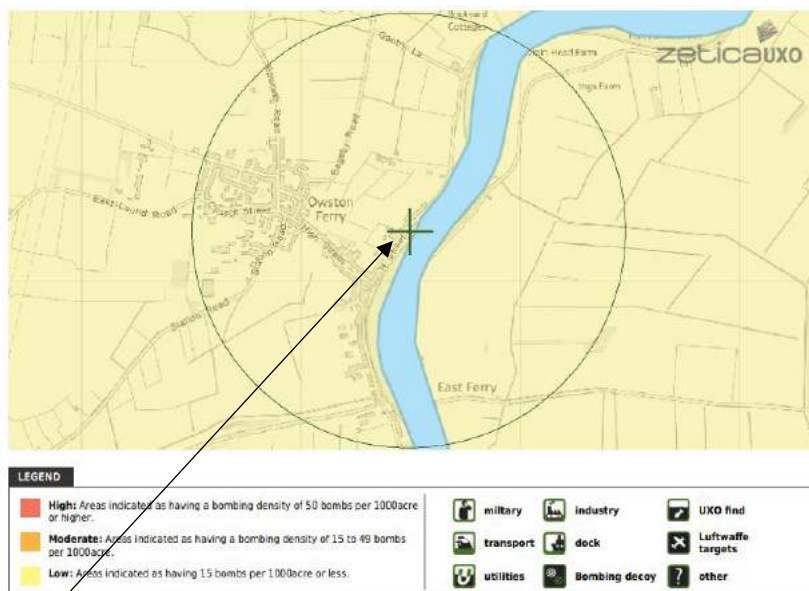
The GroundSure report, presented in Appendix B, also contains information on other potential pollution sources on and off site, a summary of these are presented below together with recommendations for further consideration.

| Source | Location | Discussion | Does source warrant further consideration |
|---|-------------|-----------------|---|
| Historic Tanks | On site | None identified | No |
| | Within 250m | | |
| Historic Energy Facilities | On site | None identified | No |
| | Within 250m | | |
| Petrol and Fuel sites | On site | None identified | No |
| | Within 250m | | |
| Garage/Motor Vehicle Repair | On site | None identified | No |
| | Within 250m | | |
| Infilled Land | On site | None identified | No |
| | Within 250m | | |
| Environmental permits/incidents/registers | On site | None identified | No |
| | Within 500m | | |
| Licenced/Permitted/ Authorised industrial sites | On site | None identified | No |
| | Within 250m | | |
| Part A1/IPC Authorisations | On site | None identified | No |
| | Within 250m | | |
| Red List discharge consents | On site | None identified | No |
| | Within 250m | | |
| Dangerous substances | On site | None identified | No |
| | Within 250m | | |
| A2/Part B Activities/ Enforcements | On site | None identified | No |
| | Within 250m | | |
| Radioactive substances | On site | None identified | No |
| | Within 250m | | |
| Licenced Discharge Consents | On site | None identified | No |
| | Within 250m | | |
| Water Industry Referrals | On site | None identified | No |
| | Within 250m | | |
| Hazardous Substances | On site | | No |

| Source | Location | Discussion | Does source warrant further consideration |
|---|-------------|---|---|
| | Within 250m | None identified | |
| Pollution Incidents | On site | None identified | No |
| | Within 250m | | |
| Historic Landfill/Waste Sites | On site | None identified | No |
| | Within 250m | | |
| Waste treatment, transfer or disposal sites | On site | None identified | No |
| | Within 250m | | |
| Underground cables/pipelines | On site | None identified. | No |
| | Within 500m | | |
| Current Industrial Sites Data | On site | None identified | No |
| | Within 250m | 3No listed, the closest shown 226m north-east of the site, identified as a 'slipway'. | |

4.8 Unexploded Ordnance

Area shown to be within a low risk zone. The risk map taken from available information provided by Zetica Ltd, is shown below.



The Site

5.0 PRELIMINARY CONCEPTUAL SITE MODEL.

5.1 Introduction

The findings of the desk study have been used to identify and assess potential sources of contamination and to develop a preliminary conceptual model of the site in order to investigate potential pollution linkages and identify complete pollutant linkages that may require further investigation or analysis and/or remediation. This approach is in line with the principles of Land Contamination Risk Management (LCRM) - Environment Agency April 2021.

The scope of the model is intended primarily to identify potential impacts to human health and environmental receptors from potential on-site and off-site contamination sources.

Source-Pathway-Receptor elements within the model are defined as follows:

| | |
|---------------------------|---|
| Contaminant Source | A hazardous substance or agent, present at levels that have the potential to cause harm or damage a receptor. |
| Receptor | An entity (human, aquatic environment, flora and fauna etc) that is vulnerable to the adverse effects of the contaminant. |
| Pathway | The means by or through which a contaminant comes into contact with or otherwise effects a receptor. |

Where all three elements are present, the relationship is termed a complete ‘pollution linkage’. It should be recognised that for a health or environmental harm to occur and for potential unacceptable risk to exist, all three elements of the relationship or linkage must be present.

The purpose of the site-specific conceptual model is to support:

1. Hazard assessment – analysis of the potential for unacceptable risk: pathways and receptors that could be present.
2. Risk estimation – a prediction of the magnitude and probability of the possible consequences of any exposure: what degree of harm may result and the likelihood of harm.
3. Risk evaluation – decision as to whether a risk is unacceptable.

It should be noted that if a potential contaminant source is identified but there is no receptor present that can be adversely affected, no harm or damage can arise. Similarly, even where both a contaminant and a receptor are present, no harm or damage will occur if there is no pathway by or through which a linkage between the two can be established and therefore a risk may be acceptable.

In assessing risk, the categorisation shown below has been developed. The table is intended to be an aid to assessing the degree of risk. It should be noted that in terms of Part 2A of the Environmental Protection Act 1990 (as amended) there is no differing degree of risk. It is either ‘significant’ or not.

| Term | Description |
|----------------|---|
| Very High Risk | There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action |

| Term | Description |
|-----------------|---|
| High Risk | Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action |
| Moderate Risk | It is possible that without appropriate remedial action harm could arise to a designated receptor. It is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild. |
| Low Risk | It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at worst, if any harm was realised any effects would be mild. |
| Negligible Risk | The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor. |

5.2 Assessment of Potential Sources of Contamination

Potential sources of contamination have been assessed which include both current and historical on-site sources, together with those originating from off-site locations which may migrate onto the site.

The site comprises a number of farm buildings including former workshops and small barns along the northern, western and eastern boundaries. The buildings to the east and west are single storey and are in a poor state of repair, the eastern building is noted to have a pan tile roof, the western buildings have a possible asbestos cement sheet roof. The northern building is a two storey building which is also noted in a poor state of repair, the ground floor of this building is noted to be a former workshop with tooling including old drills noted within the buildings.

Based on a review of the historical maps for the area, the site would appear to have been occupied by agricultural buildings since at least 1885.

No significant off-site sources of contamination were identified, based on the available information, with the exception of an above ground fuel tank located adjacent to the western boundary of the site and associated with the neighbouring farm.

5.3 Potential Receptors

The following potential receptors have been identified for the site:

| Receptor | Details |
|-------------------|---|
| Human Receptors | Future site occupiers |
| | Construction workers |
| Controlled Waters | Alluvium (Secondary A) |
| | Mercia Mudstone Group (Secondary B) |
| Built Development | Building foundations/substructures and utility connections. |

5.4 Potential Pathways

Taking into account the intended use of the site, the following potential pathways by which the above receptors and sources may be linked as follows;

| Receptor | Pathway |
|---|-----------------------------|
| Human (Future site users, construction workers) | Ingestion of soil/soil dust |

| | |
|-------------------|---|
| | Dermal contact with soil/soil dust Indoor inhalation of ground gas/vapours |
| Controlled Waters | Percolation and mobilisation of contaminants within any shallow soils into the groundwater. |
| Built Development | Direct contact with aggressive ground conditions via migration and/or percolation out of the ground |

5.5 Qualitative Risk Assessment

The findings of the desk study, and source receptor pathway analyses, have been accounted for and assessed in the conceptual model presented below. The purpose of the model is to determine the potential linkage(s) existing on the site, and the likelihood of the linkage being present and determining a consequent level of risk.

Preliminary Conceptual Site Model

| Source | Risk | Potential Contaminants | Likely Exposure Pathway/s | Receptor/s | Probability Assessment | Complete Potential Pollutant Linkage |
|----------------------------------|----------|--|--|--|--|---|
| Made Ground (On-site) | Low | Inorganic and organic contaminants | Skin contact Ingestion | End users (residential) and construction workers | Possible –No recorded significant industrial activity on site. Agricultural machinery may have been refuelled on site. Low possibility of minor localised shallow hydrocarbon contamination. Fertiliser and pesticides/herbicides may have been stored in the farmyard / barns. | Possible – Further assessment / investigation required. |
| | Low | Inorganic and organic contaminants | Leaching/migration of contaminants through soil | Controlled waters | Unlikely –No recorded significant industrial activity on site. Agricultural machinery may have been refuelled on site. No recorded fuel tanks on site. Site outside of any defined SPZ. | Unlikely – No further assessment / investigation required. |
| | Low | Vapours and fumes from hydrocarbons | Inhalation | End users (residential) | Unlikely – No recorded tanks on site. No significant historic industrial activity. Agricultural machines may have been refuelled on site. | Unlikely – No further assessment / investigation required. |
| | Low | Hydrocarbons | Water supply pipes | End users (residential) | Unlikely – No recorded tanks on site. Any potential hydrocarbon contamination from plant refuelling is likely to be minor and spatially isolated in pockets of shallow made ground. | Unlikely – No further assessment / investigation required. |
| | High | Asbestos | Inhalation | End users (residential) and construction workers | Possible – Former structures may have contained ACM in building fabric. Made Ground may contain ACM from demolition rubble. | Possible – Further assessment / investigation required. |
| Made Ground (On site) & Alluvium | Moderate | Ground Gas | Inhalation / explosions risk in confined spaces. | End users (residential) | Possible – site shown to be underlain by alluvial soils, which can be organic rich with the potential to generate ground gases | Possible – Further assessment / investigation required. |
| Made Ground (off site) | Low | Mobile inorganic/organic contaminants associated with former off-site uses | Skin contact Ingestion Inhalation | End users (residential) and buildings/structures | Possible – AST associated with adjacent farm, close to the western site boundary. No recorded industrial activities within close proximity to site with potential to give rise to mobile inorganic/organic contaminants which could harm on site receptors. | Possible – Further assessment / investigation required. |

** Definitions and Classifications of Risk Assessment Terminology presented in Appendix D of this report

The preliminary conceptual site model does identify complete pollutant linkages that is considered to require further risk assessment and investigation.

6.0 CONCLUSIONS AND RECOMMENDATIONS.

G&M Consulting Ltd (G&M) was commissioned by Janine Bannard, to undertake a preliminary investigation (desk study) of a plot of land at 25 North Street, North Lincolnshire. It is understood that approval has been granted by North Lincolnshire Council (NLC) reference PA/2022/765, for alternations to the current layout, including the addition of ground floor accommodation. This report has been commissioned to support the discharge Condition No 4 of the above referenced approval.

The proposed development layout is shown on Drawing CWX-JEN-2022-101D, dated March 2022, prepared by Cadworx Ltd. A copy of this drawing is presented in Appendix A of this report.

Hydrological information from the GroundSure Report concludes that the site is located on a Flood Zone 3. The highest risk posed to the site from '*Surface Water Flooding*' according to the GroundSure Report is highlighted to be '*1 in 1000 year, 0.3m – 1.0m (within 50m)*', whilst the highest recorded risk level posed by '*Groundwater Flooding*' is '*Low*'. There are two recorded historical flood events within 250m of site.

In terms of geology, the site is underlain by superficial deposits of Alluvium, overlying solid deposits of the Mercia Mudstone Group below. Coal measures are inferred to be present at significant depth. Review of information relating to mining and mineral extraction indicates a low risk to site from these activities. According to the Coal Authority, the site does not lie within a 'development high risk area', or a 'coal mining reporting area'.

Based upon a review of historical records and map extracts, the site appears to have been used for agricultural purposes since at least 1885. The site comprises a number of farm buildings including former workshops and small barns along the northern, western and eastern boundaries. The buildings to the east and west are single storey and are in a poor state of repair, the eastern building is noted to have a pan tile roof, the western buildings have a possible asbestos cement sheet roof. The northern building is a two storey building which is also noted in a poor state of repair, the ground floor of this building is noted to be a former workshop with tooling including old drills noted within the buildings.

One off-site source of potential contamination have been highlighted, specifically the AST located adjacent to the western boundary of the site, associated with the neighbouring farm.

No radon protection measures are shown to be required for any new build properties at the site.

Prior to any proposed development work the existing buildings on site should be subject to an asbestos survey, undertaken by a suitably qualified person/organisation. Any asbestos containing materials identified should be disposed of from site in a controlled manner, to a suitably licenced facility.

The preliminary conceptual site model does indicate plausible potential complete pollutant linkages, associated with the former/current uses of the site, that require further assessment and/or investigation

Owing to the fact that the site is underlain by organic rich alluvial soils, the potential for generation and ingress of ground gas into the proposed structure must be further considered in the redevelopment.

Regarding the possibility of ground gas generation, this should be managed by further refining the conceptual model, with respect to ground gas risks and developing a strategy that involves either;

- A suitably designed programme of ground gas monitoring at and around the location of the proposed residential property, that will determine if ground gases that may affect the development are present. The monitoring should be followed by an appropriate risk assessment and recommendations for building protection.

or

- Gas protection measures should be provided for the new residential structure. The gas protection measures should be in accordance with ‘Characteristic Situation 2’ as defined in CIRIA C665:(2007), ‘Assessing risks posed by hazardous ground gases to buildings’ These measures should be suitably validated.

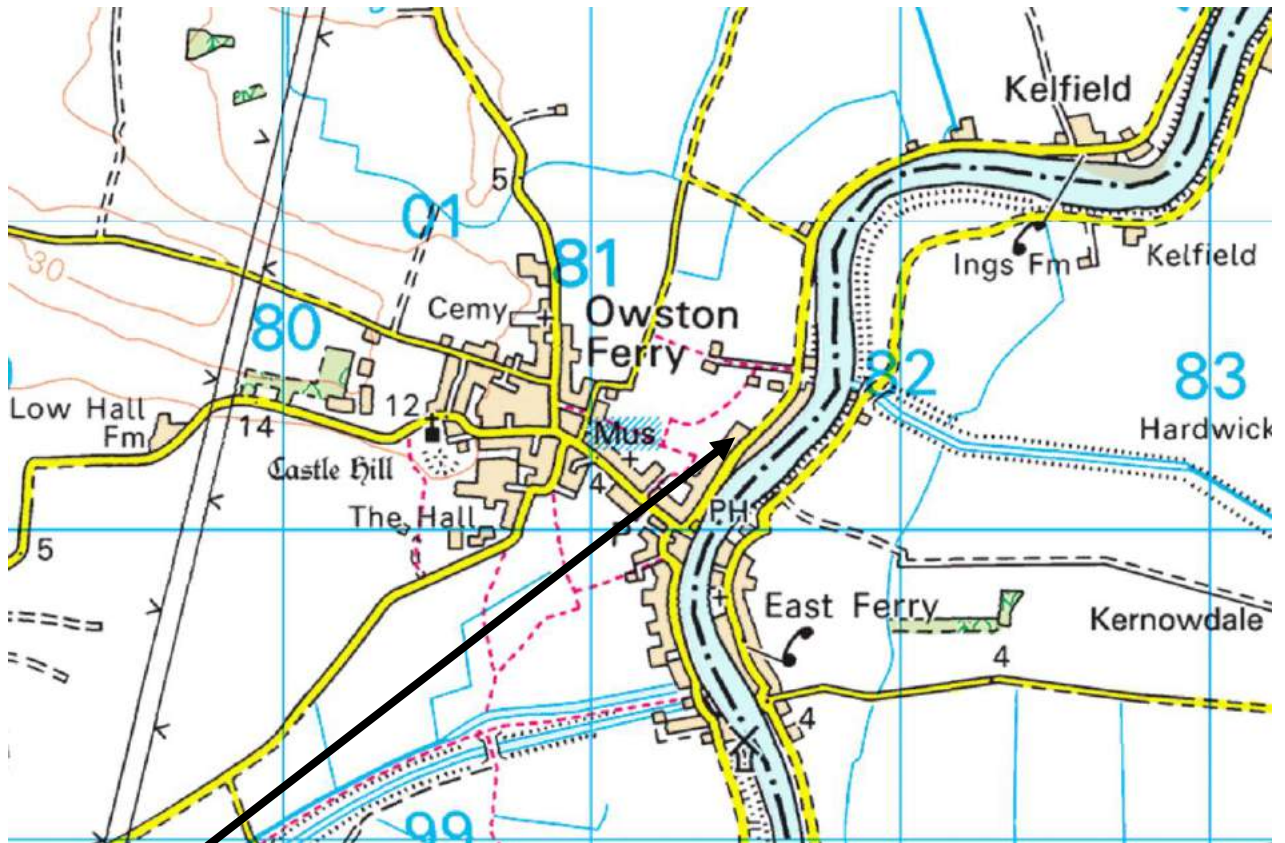
Based on the above it is recommended that a Phase II intrusive ground investigation is undertaken. This should comprise machine excavated trial pits, and the recovery of soil and water samples for testing. The testing of soils should include for a full suite of metals, pH, water soluble sulphate, speciated PAH, speciated TPH, herbicides/pesticides and screening for Asbestos. A geoenvironmental appraisal report should be prepared and if necessary, a remediation strategy.

The conclusions and recommendations presented above are considered practical based on the findings of this report. However, they cannot however be guaranteed to gain regulatory approval, and therefore this report should be submitted to the regulators for their comment/approval as part of the planning process and before any development work takes place.



APPENDIX A

DRAWINGS

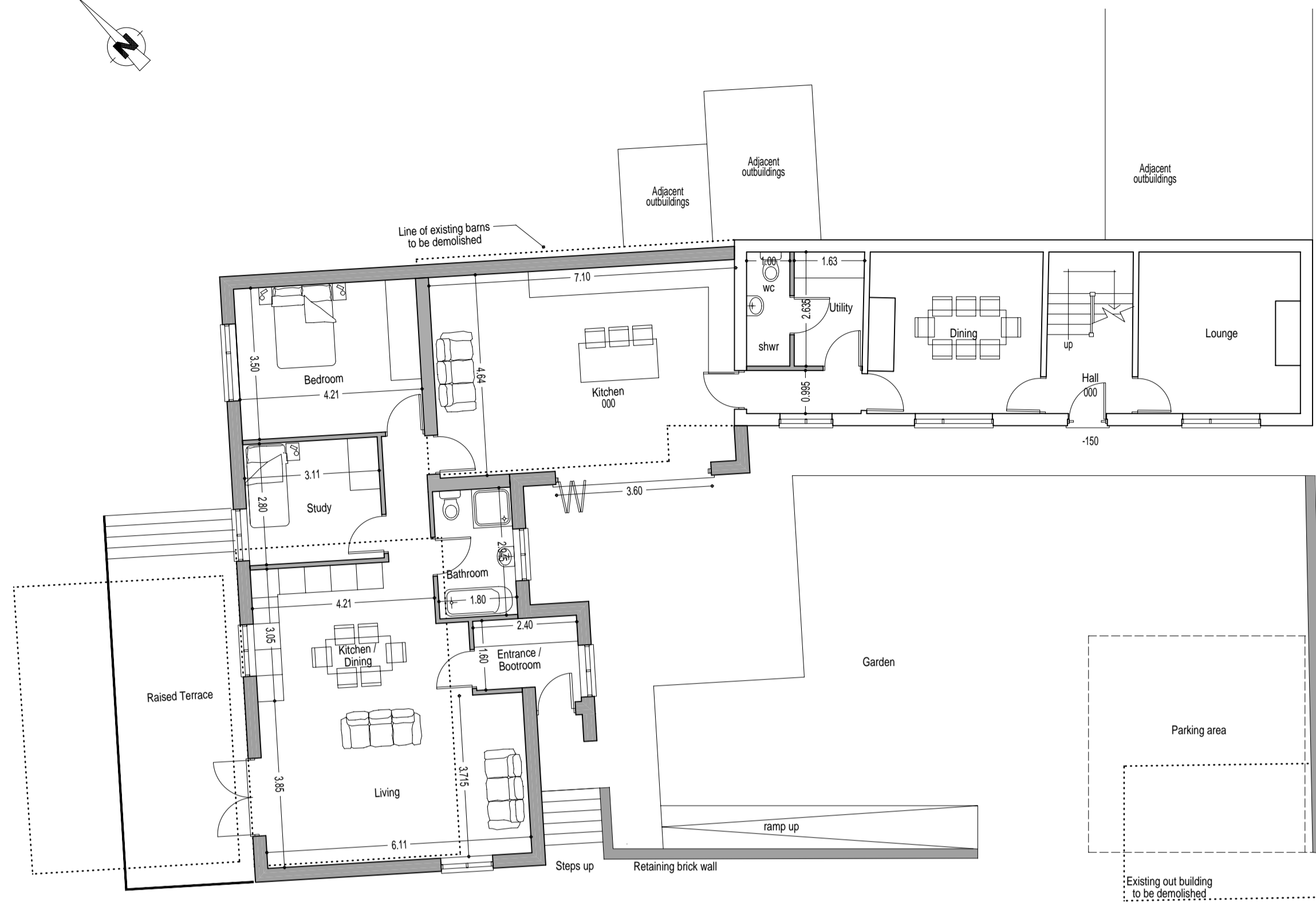
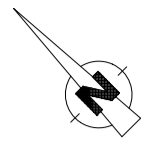


The Site

Site Location Plan Drawing No C603/1

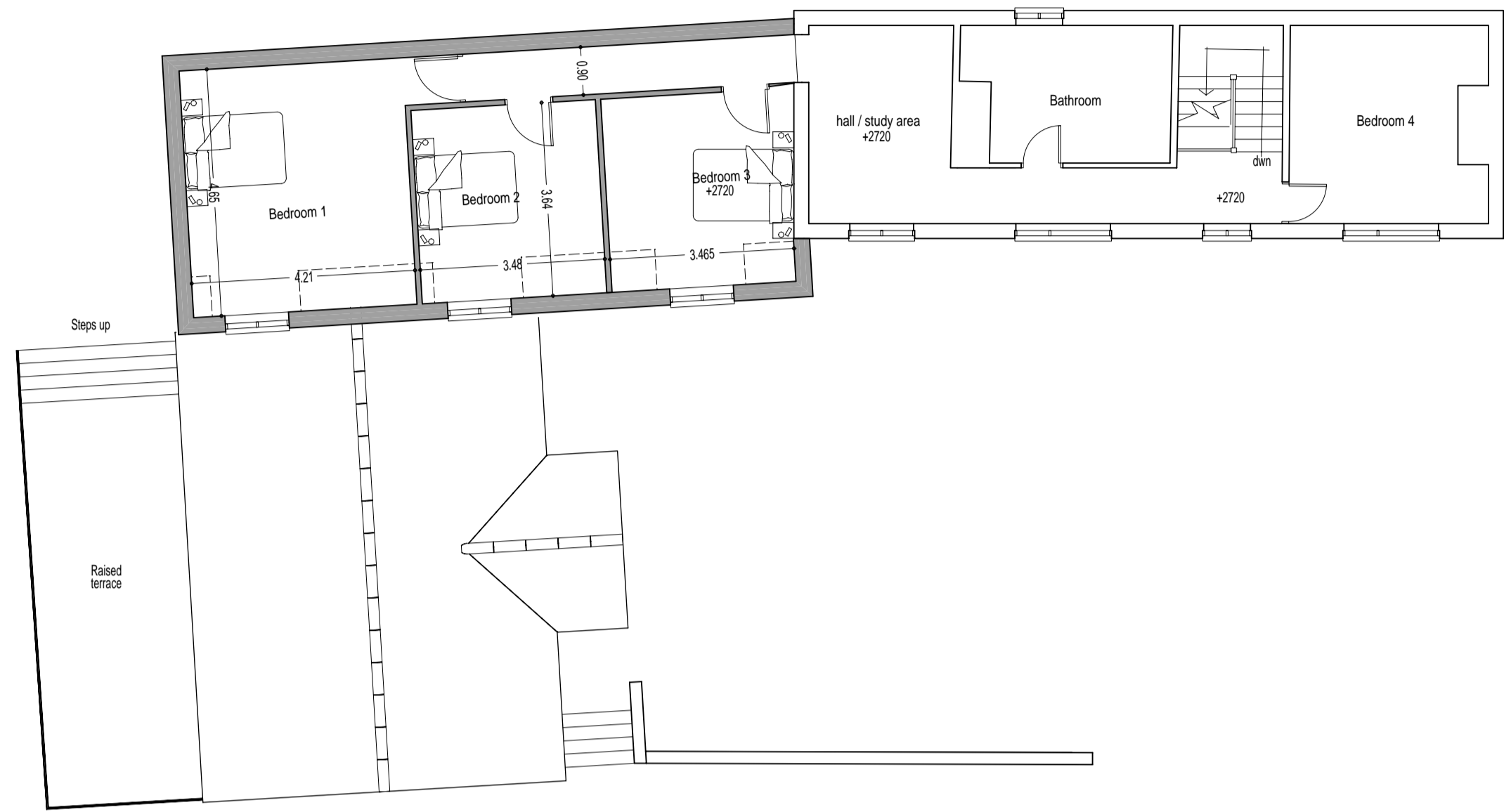
Map reproduced from Ordnance Survey. On behalf of the
Controller of Her Majesty's Stationary Office. Crown
Copyright Reserved.. Licence No: 100048271



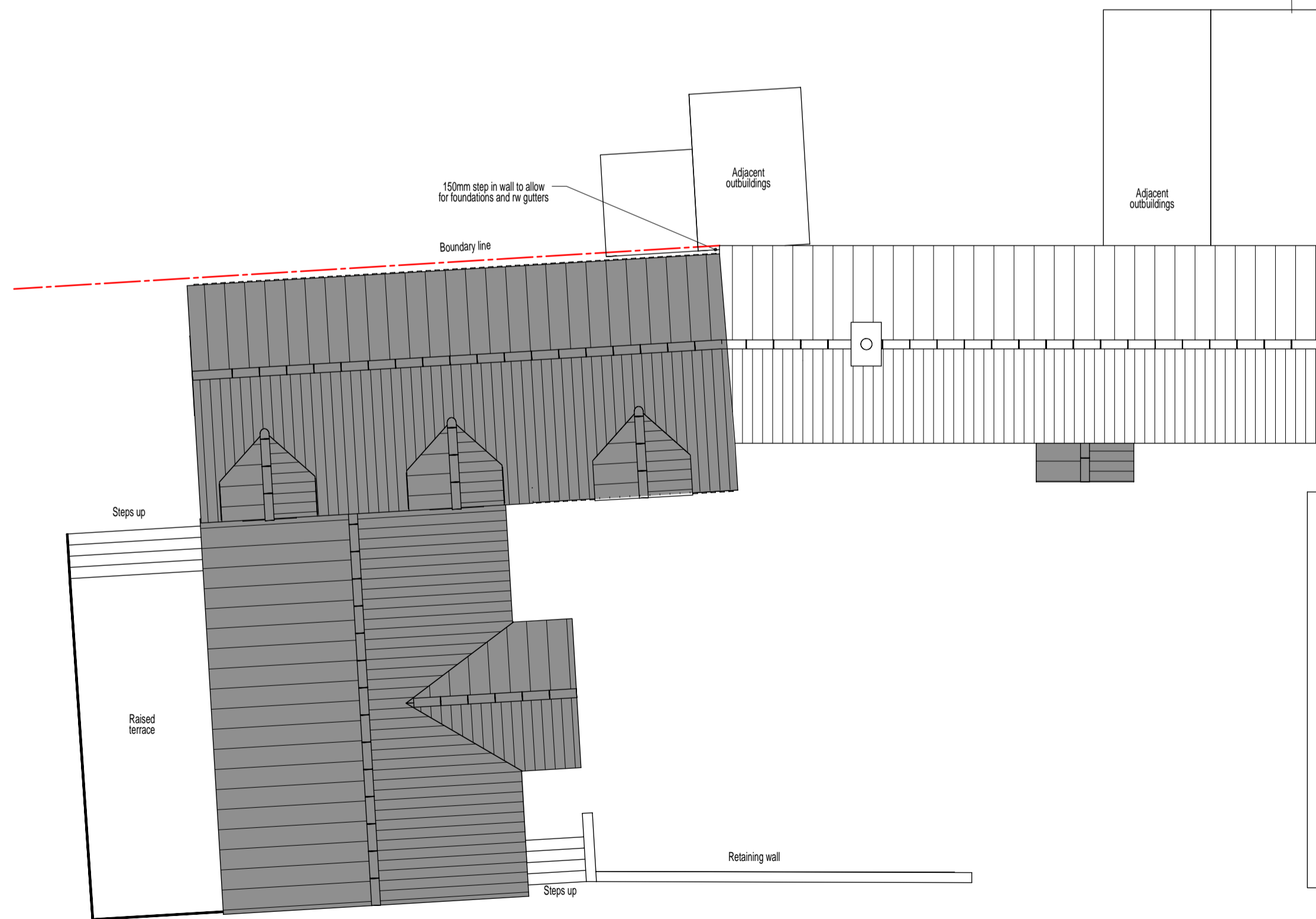


PROPOSED GROUND FLOOR PLAN
1:100

FLOOD RISK MATRIX
As the application site is in Flood Zone 3 the floor levels within the proposed development will be set no lower than the existing levels AND, flood proofing of the proposed development will be incorporated where appropriate in line with the guidance contained in the government document 'Improving the Flood Performance of New Buildings: Flood Resilient Construction'



PROPOSED FIRST FLOOR PLAN



PROPOSED ROOF PLAN

North Street



PROPOSED SITE PLAN
1:500

D - Size of proposed extension reduced 04-05-2023



Cadworx Ltd
Architectural design and 3d Visualisations
Linden House, Bracken Hill Road
East Lound, Nr Doncaster DN9 2LR
tel 01427 753232
danny@3dcadworx.com

- Project
- ALTERATIONS AND EXTENSIONS TO EXISTING DWELLING TO CREATE ADDITIONAL ACCOMMODATION INCLUDING GROUND FLOOR ANNEX
- 25 NORTH STREET
- OWTSON FERRY
- Title:
- PROPOSED PLANS
-
-
-

| | | |
|----------------------------------|-----------------|-------------|
| Scale 1:100 @ A1 | Date 03-2022 | Drawn DS |
| Drawing No. CWX-JEN-2022-101D | | |
| A B C D E F G H J | | |



APPENDIX B

GROUNDSURE DOCUMENTS

25, NORTH STREET, OWSTON FERRY, DN9 1RT

Order Details

Date: 29/08/2023
Your ref: C603_-_25_North_Street_Owston_Ferry
Our Ref: GS-BZZ-WCW-KRM-GOG

Site Details

Location: 481442 400196
Area: 0.04 ha
Authority: [North Lincolnshire Council](#) ↗



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#)

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info@groundsure.com ↗

01273 257 755

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 > | 0 | 1 | 0 | 9 | - |
| 16 | 1.2 | Historical tanks | 0 | 0 | 0 | 0 | - |
| 16 > | 1.3 > | Historical energy features > | 0 | 0 | 0 | 2 | - |
| 17 | 1.4 | Historical petrol stations | 0 | 0 | 0 | 0 | - |
| 17 | 1.5 | Historical garages | 0 | 0 | 0 | 0 | - |
| 17 | 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 |
| 18 > | 2.1 > | Historical industrial land uses > | 0 | 1 | 1 | 12 | - |
| 19 | 2.2 | Historical tanks | 0 | 0 | 0 | 0 | - |
| 19 > | 2.3 > | Historical energy features > | 0 | 0 | 0 | 6 | - |
| 20 | 2.4 | Historical petrol stations | 0 | 0 | 0 | 0 | - |
| 20 | 2.5 | Historical garages | 0 | 0 | 0 | 0 | - |
| Page | Section | Waste and landfill > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 21 | 3.1 | Active or recent landfill | 0 | 0 | 0 | 0 | - |
| 21 | 3.2 | Historical landfill (BGS records) | 0 | 0 | 0 | 0 | - |
| 22 | 3.3 | Historical landfill (LA/mapping records) | 0 | 0 | 0 | 0 | - |
| 22 | 3.4 | Historical landfill (EA/NRW records) | 0 | 0 | 0 | 0 | - |
| 22 | 3.5 | Historical waste sites | 0 | 0 | 0 | 0 | - |
| 22 | 3.6 | Licensed waste sites | 0 | 0 | 0 | 0 | - |
| 22 > | 3.7 > | Waste exemptions > | 0 | 0 | 22 | 105 | - |
| Page | Section | Current industrial land use > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 35 > | 4.1 > | Recent industrial land uses > | 0 | 0 | 3 | - | - |
| 36 | 4.2 | Current or recent petrol stations | 0 | 0 | 0 | 0 | - |
| 36 | 4.3 | Electricity cables | 0 | 0 | 0 | 0 | - |
| 36 | 4.4 | Gas pipelines | 0 | 0 | 0 | 0 | - |
| 36 | 4.5 | Sites determined as Contaminated Land | 0 | 0 | 0 | 0 | - |



| 36 | 4.6 | Control of Major Accident Hazards (COMAH) | 0 | 0 | 0 | 0 | - |
|-----------|-------------|--|--------------------------|-------|---------|----------|-----------|
| 37 | 4.7 | Regulated explosive sites | 0 | 0 | 0 | 0 | - |
| 37 | 4.8 | Hazardous substance storage/usage | 0 | 0 | 0 | 0 | - |
| 37 | 4.9 | Historical licensed industrial activities (IPC) | 0 | 0 | 0 | 0 | - |
| 37 | 4.10 | Licensed industrial activities (Part A(1)) | 0 | 0 | 0 | 0 | - |
| 37 | 4.11 | Licensed pollutant release (Part A(2)/B) | 0 | 0 | 0 | 0 | - |
| 38 | 4.12 | Radioactive Substance Authorisations | 0 | 0 | 0 | 0 | - |
| 38 | 4.13 | <u>Licensed Discharges to controlled waters</u> | 0 | 0 | 0 | 3 | - |
| 38 | 4.14 | Pollutant release to surface waters (Red List) | 0 | 0 | 0 | 0 | - |
| 39 | 4.15 | Pollutant release to public sewer | 0 | 0 | 0 | 0 | - |
| 39 | 4.16 | List 1 Dangerous Substances | 0 | 0 | 0 | 0 | - |
| 39 | 4.17 | List 2 Dangerous Substances | 0 | 0 | 0 | 0 | - |
| 39 | 4.18 | Pollution Incidents (EA/NRW) | 0 | 0 | 0 | 0 | - |
| 39 | 4.19 | Pollution inventory substances | 0 | 0 | 0 | 0 | - |
| 40 | 4.20 | Pollution inventory waste transfers | 0 | 0 | 0 | 0 | - |
| 40 | 4.21 | Pollution inventory radioactive waste | 0 | 0 | 0 | 0 | - |
| Page | Section | Hydrogeology | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 41 | 5.1 | <u>Superficial aquifer</u> | Identified (within 500m) | | | | |
| 43 | 5.2 | <u>Bedrock aquifer</u> | Identified (within 500m) | | | | |
| 45 | 5.3 | <u>Groundwater vulnerability</u> | Identified (within 50m) | | | | |
| 46 | 5.4 | Groundwater vulnerability- soluble rock risk | None (within 0m) | | | | |
| 46 | 5.5 | Groundwater vulnerability- local information | None (within 0m) | | | | |
| 47 | 5.6 | <u>Groundwater abstractions</u> | 0 | 0 | 0 | 0 | 1 |
| 48 | 5.7 | <u>Surface water abstractions</u> | 0 | 0 | 0 | 0 | 23 |
| 53 | 5.8 | Potable abstractions | 0 | 0 | 0 | 0 | 0 |
| 53 | 5.9 | Source Protection Zones | 0 | 0 | 0 | 0 | - |
| 53 | 5.10 | Source Protection Zones (confined aquifer) | 0 | 0 | 0 | 0 | - |
| Page | Section | Hydrology | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 54 | 6.1 | <u>Water Network (OS MasterMap)</u> | 0 | 1 | 10 | - | - |



| 55 > | 6.2 > | Surface water features > | 0 | 1 | 8 | - | - |
|------|---------|---|--|-------|---------|----------|-----------|
| 56 > | 6.3 > | WFD Surface water body catchments > | 1 | - | - | - | - |
| 56 > | 6.4 > | WFD Surface water bodies > | 0 | 0 | 2 | - | - |
| 57 > | 6.5 > | WFD Groundwater bodies > | 1 | - | - | - | - |
| Page | Section | River and coastal flooding > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 58 > | 7.1 > | Risk of flooding from rivers and the sea > | High (within 50m) | | | | |
| 59 > | 7.2 > | Historical Flood Events > | 0 | 0 | 2 | - | - |
| 59 > | 7.3 > | Flood Defences > | 0 | 1 | 4 | - | - |
| 60 | 7.4 | Areas Benefiting from Flood Defences | 0 | 0 | 0 | - | - |
| 60 | 7.5 | Flood Storage Areas | 0 | 0 | 0 | - | - |
| 61 > | 7.6 > | Flood Zone 2 > | Identified (within 50m) | | | | |
| 62 > | 7.7 > | Flood Zone 3 > | Identified (within 50m) | | | | |
| Page | Section | Surface water flooding > | | | | | |
| 63 > | 8.1 > | Surface water flooding > | 1 in 1000 year, 0.1m - 0.3m (within 50m) | | | | |
| Page | Section | Groundwater flooding > | | | | | |
| 65 > | 9.1 > | Groundwater flooding > | Low (within 50m) | | | | |
| Page | Section | Environmental designations > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 66 | 10.1 | Sites of Special Scientific Interest (SSSI) | 0 | 0 | 0 | 0 | 0 |
| 67 | 10.2 | Conserved wetland sites (Ramsar sites) | 0 | 0 | 0 | 0 | 0 |
| 67 | 10.3 | Special Areas of Conservation (SAC) | 0 | 0 | 0 | 0 | 0 |
| 67 | 10.4 | Special Protection Areas (SPA) | 0 | 0 | 0 | 0 | 0 |
| 67 | 10.5 | National Nature Reserves (NNR) | 0 | 0 | 0 | 0 | 0 |
| 68 > | 10.6 > | Local Nature Reserves (LNR) > | 0 | 0 | 0 | 0 | 1 |
| 68 | 10.7 | Designated Ancient Woodland | 0 | 0 | 0 | 0 | 0 |
| 68 | 10.8 | Biosphere Reserves | 0 | 0 | 0 | 0 | 0 |
| 68 | 10.9 | Forest Parks | 0 | 0 | 0 | 0 | 0 |
| 69 | 10.10 | Marine Conservation Zones | 0 | 0 | 0 | 0 | 0 |
| 69 | 10.11 | Green Belt | 0 | 0 | 0 | 0 | 0 |
| 69 | 10.12 | Proposed Ramsar sites | 0 | 0 | 0 | 0 | 0 |



| | | | | | | | |
|----------------|-------------------|--|--------------------------|-------|---------|----------|-----------|
| 69 | 10.13 | Possible Special Areas of Conservation (pSAC) | 0 | 0 | 0 | 0 | 0 |
| 69 | 10.14 | Potential Special Protection Areas (pSPA) | 0 | 0 | 0 | 0 | 0 |
| 70 | 10.15 | Nitrate Sensitive Areas | 0 | 0 | 0 | 0 | 0 |
| 70 > | 10.16 > | Nitrate Vulnerable Zones > | 1 | 0 | 2 | 1 | 3 |
| 71 > | 10.17 > | SSSI Impact Risk Zones > | 1 | - | - | - | - |
| 72 | 10.18 | SSSI Units | 0 | 0 | 0 | 0 | 0 |
| Page | Section | Visual and cultural designations > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 73 | 11.1 | World Heritage Sites | 0 | 0 | 0 | - | - |
| 74 | 11.2 | Area of Outstanding Natural Beauty | 0 | 0 | 0 | - | - |
| 74 | 11.3 | National Parks | 0 | 0 | 0 | - | - |
| 74 > | 11.4 > | Listed Buildings > | 0 | 0 | 3 | - | - |
| 75 | 11.5 | Conservation Areas | 0 | 0 | 0 | - | - |
| 75 | 11.6 | Scheduled Ancient Monuments | 0 | 0 | 0 | - | - |
| 75 | 11.7 | Registered Parks and Gardens | 0 | 0 | 0 | - | - |
| Page | Section | Agricultural designations > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 76 > | 12.1 > | Agricultural Land Classification > | Grade 1 (within 250m) | | | | |
| 77 > | 12.2 > | Open Access Land > | 0 | 0 | 1 | - | - |
| 77 | 12.3 | Tree Felling Licences | 0 | 0 | 0 | - | - |
| 77 | 12.4 | Environmental Stewardship Schemes | 0 | 0 | 0 | - | - |
| 78 | 12.5 | Countryside Stewardship Schemes | 0 | 0 | 0 | - | - |
| Page | Section | Habitat designations > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 79 > | 13.1 > | Priority Habitat Inventory > | 0 | 2 | 2 | - | - |
| 80 | 13.2 | Habitat Networks | 0 | 0 | 0 | - | - |
| 80 | 13.3 | Open Mosaic Habitat | 0 | 0 | 0 | - | - |
| 80 | 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 |
| 81 > | 14.1 > | 10k Availability > | Identified (within 500m) | | | | |
| 82 | 14.2 | Artificial and made ground (10k) | 0 | 0 | 0 | 0 | - |
| 83 > | 14.3 > | Superficial geology (10k) > | 1 | 0 | 1 | 0 | - |

| 84 | 14.4 | Landslip (10k) | 0 | 0 | 0 | 0 | - |
|-------------------------|---------------------------|--|--------------------------|-------|---------|----------|-----------|
| 85 > | 14.5 > | Bedrock geology (10k) > | 1 | 0 | 1 | 0 | - |
| 86 | 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 |
| 87 > | 15.1 > | 50k Availability > | Identified (within 500m) | | | | |
| 88 | 15.2 | Artificial and made ground (50k) | 0 | 0 | 0 | 0 | - |
| 88 | 15.3 | Artificial ground permeability (50k) | 0 | 0 | - | - | - |
| 89 > | 15.4 > | Superficial geology (50k) > | 1 | 0 | 1 | 0 | - |
| 90 > | 15.5 > | Superficial permeability (50k) > | Identified (within 50m) | | | | |
| 90 | 15.6 | Landslip (50k) | 0 | 0 | 0 | 0 | - |
| 90 | 15.7 | Landslip permeability (50k) | None (within 50m) | | | | |
| 91 > | 15.8 > | Bedrock geology (50k) > | 1 | 0 | 0 | 0 | - |
| 92 > | 15.9 > | Bedrock permeability (50k) > | Identified (within 50m) | | | | |
| 92 | 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 |
| 93 | 16.1 | BGS Boreholes | 0 | 0 | 0 | - | - |
| Page | Section | Natural ground subsidence > | | | | | |
| 94 > | 17.1 > | Shrink swell clays > | Very low (within 50m) | | | | |
| 95 > | 17.2 > | Running sands > | Low (within 50m) | | | | |
| 96 > | 17.3 > | Compressible deposits > | Moderate (within 50m) | | | | |
| 97 > | 17.4 > | Collapsible deposits > | Negligible (within 50m) | | | | |
| 98 > | 17.5 > | Landslides > | Very low (within 50m) | | | | |
| 99 > | 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 |
| 101 | 18.1 | BritPits | 0 | 0 | 0 | 0 | - |
| 101 | 18.2 | Surface ground workings | 0 | 0 | 0 | - | - |
| 101 | 18.3 | Underground workings | 0 | 0 | 0 | 0 | 0 |
| 101 | 18.4 | Underground mining extents | 0 | 0 | 0 | 0 | - |
| 102 | 18.5 | Historical Mineral Planning Areas | 0 | 0 | 0 | 0 | - |



| 102 | 18.6 | Non-coal mining | 0 | 0 | 0 | 0 | 0 |
|-----------------------|------------------------|---|--------------------------|-------|---------|----------|-----------|
| 102 > | 18.7 > | JPB mining areas > | Identified (within 0m) | | | | |
| 102 | 18.8 | The Coal Authority non-coal mining | 0 | 0 | 0 | 0 | - |
| 103 | 18.9 | Researched mining | 0 | 0 | 0 | 0 | - |
| 103 | 18.10 | Mining record office plans | 0 | 0 | 0 | 0 | - |
| 103 | 18.11 | BGS mine plans | 0 | 0 | 0 | 0 | - |
| 103 | 18.12 | Coal mining | None (within 0m) | | | | |
| 103 | 18.13 | Brine areas | None (within 0m) | | | | |
| 104 | 18.14 | Gypsum areas | None (within 0m) | | | | |
| 104 | 18.15 | Tin mining | None (within 0m) | | | | |
| 104 | 18.16 | Clay mining | None (within 0m) | | | | |
| Page | Section | Ground cavities and sinkholes | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 105 | 19.1 | Natural cavities | 0 | 0 | 0 | 0 | - |
| 105 | 19.2 | Mining cavities | 0 | 0 | 0 | 0 | 0 |
| 105 | 19.3 | Reported recent incidents | 0 | 0 | 0 | 0 | - |
| 105 | 19.4 | Historical incidents | 0 | 0 | 0 | 0 | - |
| 106 | 19.5 | National karst database | 0 | 0 | 0 | 0 | - |
| Page | Section | Radon > | | | | | |
| 107 > | 20.1 > | Radon > | Less than 1% (within 0m) | | | | |
| Page | Section | Soil chemistry > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 109 > | 21.1 > | BGS Estimated Background Soil Chemistry > | 1 | 1 | - | - | - |
| 109 | 21.2 | BGS Estimated Urban Soil Chemistry | 0 | 0 | - | - | - |
| 109 | 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 |
| 110 | 22.1 | Underground railways (London) | 0 | 0 | 0 | - | - |
| 110 | 22.2 | Underground railways (Non-London) | 0 | 0 | 0 | - | - |
| 110 | 22.3 | Railway tunnels | 0 | 0 | 0 | - | - |
| 110 | 22.4 | Historical railway and tunnel features | 0 | 0 | 0 | - | - |
| 110 | 22.5 | Royal Mail tunnels | 0 | 0 | 0 | - | - |



| | | | | | | | |
|-----|-------|---------------------|---|---|---|---|---|
| 111 | 22.6 | Historical railways | 0 | 0 | 0 | - | - |
| 111 | 22.7 | Railways | 0 | 0 | 0 | - | - |
| 111 | 22.8 | Crossrail 1 | 0 | 0 | 0 | 0 | - |
| 111 | 22.9 | Crossrail 2 | 0 | 0 | 0 | 0 | - |
| 111 | 22.10 | HS2 | 0 | 0 | 0 | 0 | - |

Recent aerial photograph



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Capture Date: 04/04/2021

Site Area: 0.04ha



Recent site history - 2018 aerial photograph



Capture Date: 15/05/2018

Site Area: 0.04ha



Recent site history - 2015 aerial photograph



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Capture Date: 23/08/2015

Site Area: 0.04ha



Recent site history - 2008 aerial photograph



Capture Date: 07/05/2008

Site Area: 0.04ha



Recent site history - 1999 aerial photograph

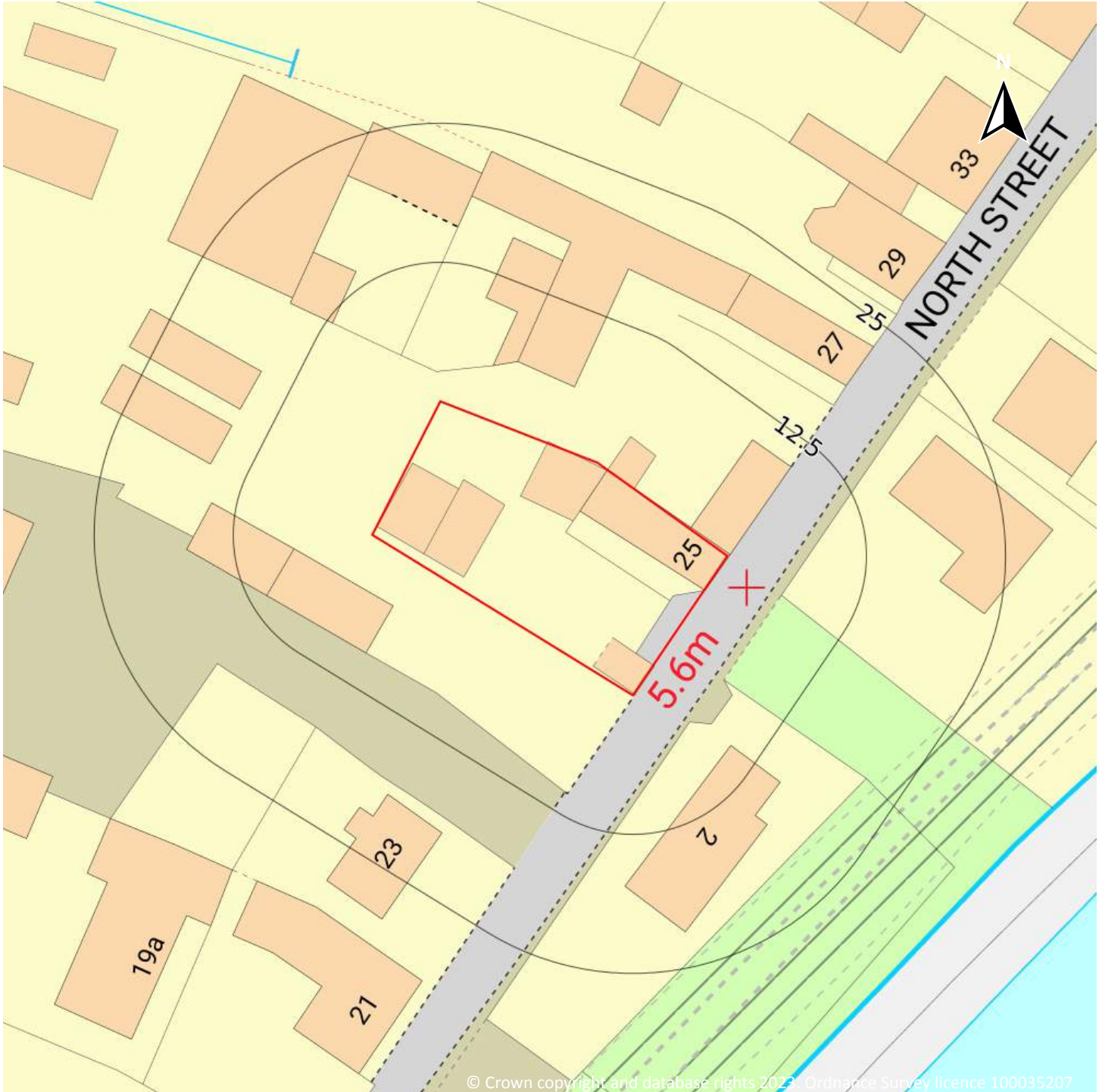


Capture Date: 30/04/1999

Site Area: 0.04ha



OS MasterMap site plan

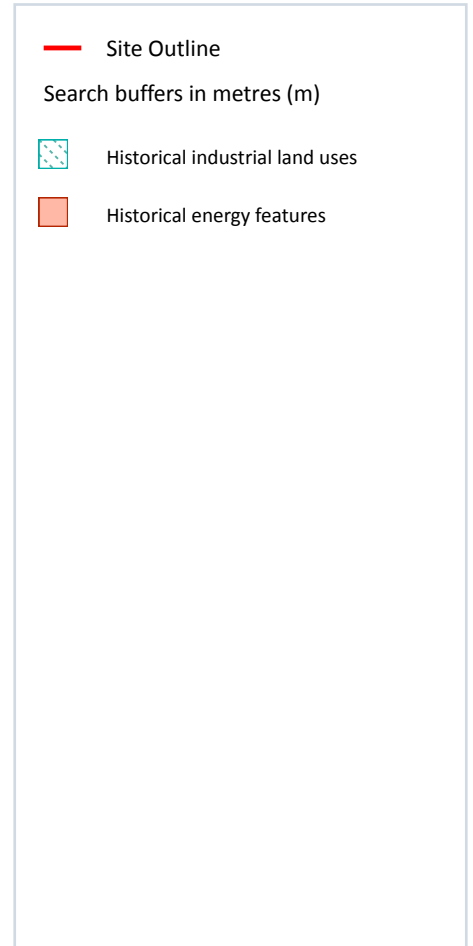
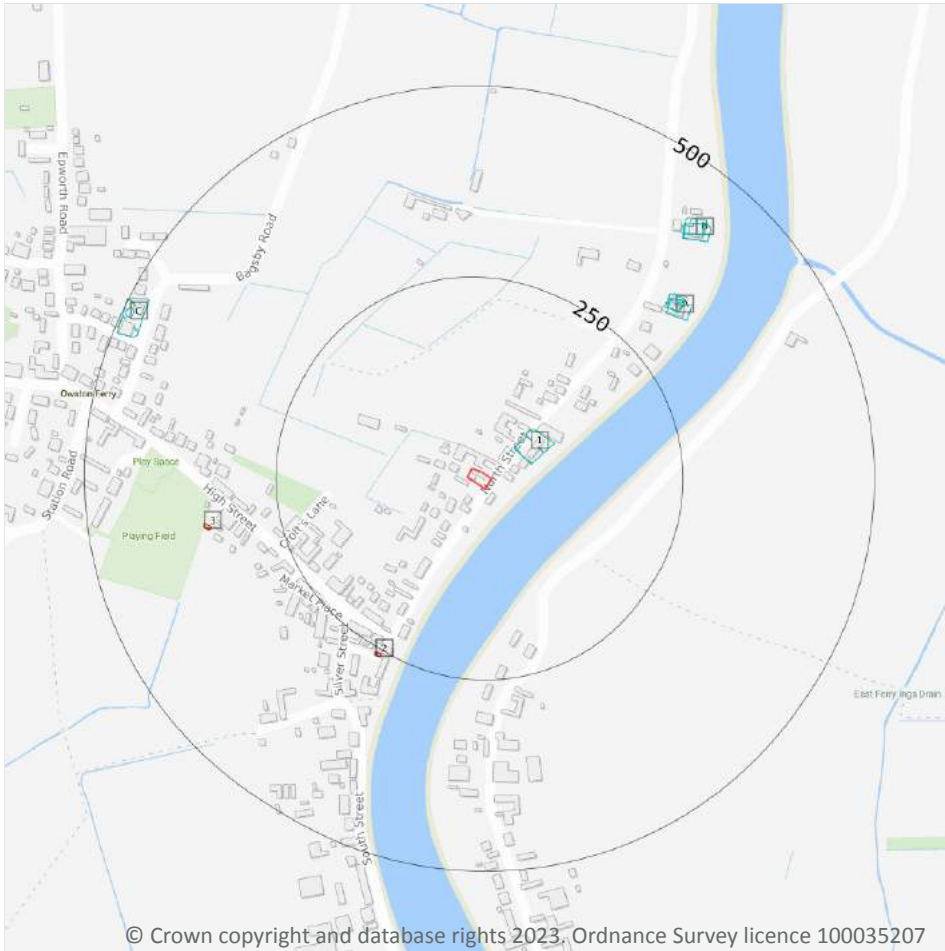


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Site Area: 0.04ha



1 Past land use



1.1 Historical industrial land uses

Records within 500m

10

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

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

| ID | Location | Land use | Dates present | Group ID |
|----|----------|-----------|---------------|----------|
| 1 | 49m NE | Malthouse | 1885 | 1496322 |

| ID | Location | Land use | Dates present | Group ID |
|----|----------|----------------------|---------------|----------|
| A | 314m NE | Windmill | 1948 | 1551189 |
| A | 319m NE | Unspecified Windmill | 1885 | 1425695 |
| A | 320m NE | Windmill | 1885 - 1907 | 1487343 |
| B | 402m NE | Windmill | 1948 | 1462347 |
| B | 402m NE | Windmill | 1885 | 1515743 |
| B | 406m NE | Windmill | 1907 | 1465163 |
| B | 407m NE | Unspecified Windmill | 1885 | 1425696 |
| C | 469m NW | Gas Works | 1885 | 1535639 |
| C | 486m NW | Gasometer | 1885 | 1523954 |

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

0

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'.

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

2

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 |
|----|----------|------------------------|---------------|----------|
| 2 | 255m SW | Electricity Substation | 1972 - 1995 | 159802 |
| 3 | 341m W | Electricity Substation | 1971 - 1997 | 142078 |



This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

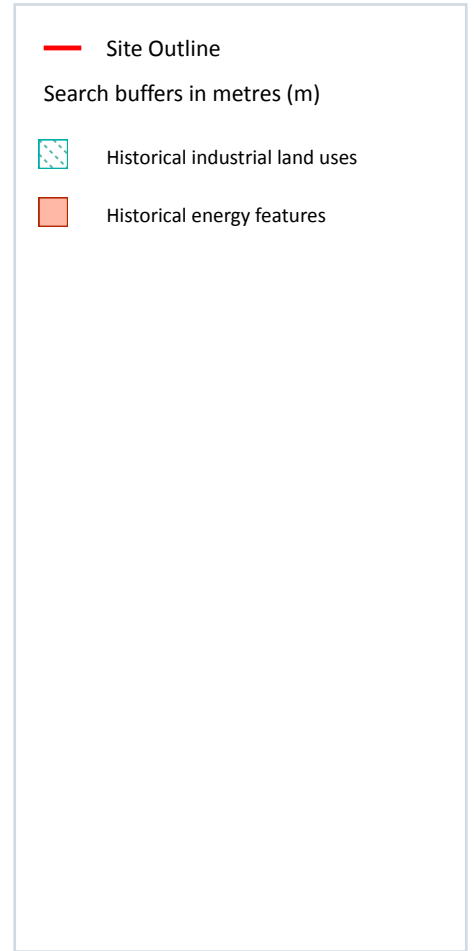
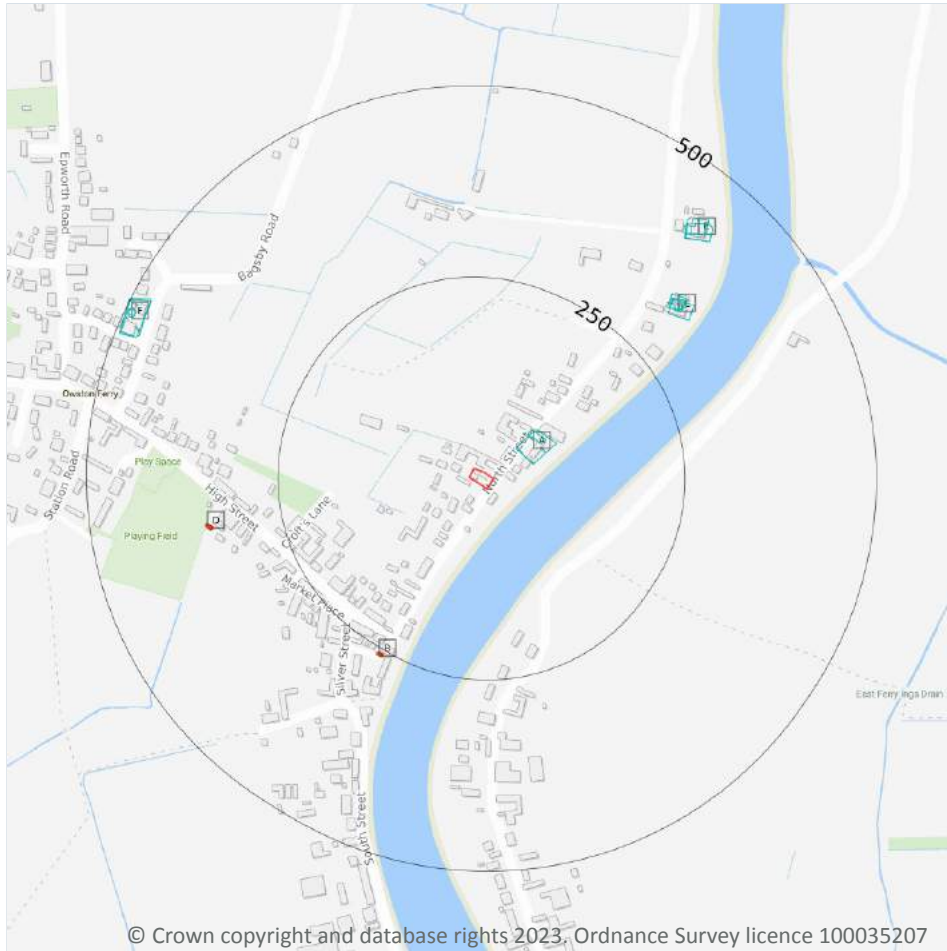
Records within 500m

0

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

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

2 Past land use - un-grouped



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2.1 Historical industrial land uses

Records within 500m

14

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 18](#) >

| ID | Location | Land Use | Date | Group ID |
|----|----------|-----------|------|----------|
| A | 49m NE | Malthouse | 1885 | 1496322 |
| A | 74m NE | Malthouse | 1885 | 1496322 |
| C | 314m NE | Windmill | 1948 | 1551189 |

| ID | Location | Land Use | Date | Group ID |
|----|----------|----------------------|------|----------|
| C | 319m NE | Unspecified Windmill | 1885 | 1425695 |
| C | 320m NE | Windmill | 1907 | 1487343 |
| C | 324m NE | Windmill | 1885 | 1487343 |
| E | 402m NE | Windmill | 1948 | 1462347 |
| E | 402m NE | Windmill | 1885 | 1515743 |
| E | 406m NE | Windmill | 1907 | 1465163 |
| E | 407m NE | Unspecified Windmill | 1885 | 1425696 |
| F | 469m NW | Gas Works | 1885 | 1535639 |
| F | 472m W | Gas Works | 1885 | 1535639 |
| F | 486m NW | Gasometer | 1885 | 1523954 |
| F | 486m NW | Gasometer | 1885 | 1523954 |

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

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

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'.

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

| | |
|----------------------------|----------|
| Records within 500m | 6 |
|----------------------------|----------|

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 18 >](#)

| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------------|------|----------|
| B | 255m SW | Electricity Substation | 1972 | 159802 |
| B | 256m SW | Electricity Substation | 1995 | 159802 |

| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------------|------|----------|
| B | 257m SW | Electricity Substation | 1991 | 159802 |
| D | 341m W | Electricity Substation | 1971 | 142078 |
| D | 341m W | Electricity Substation | 1997 | 142078 |
| D | 342m W | Electricity Substation | 1992 | 142078 |

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

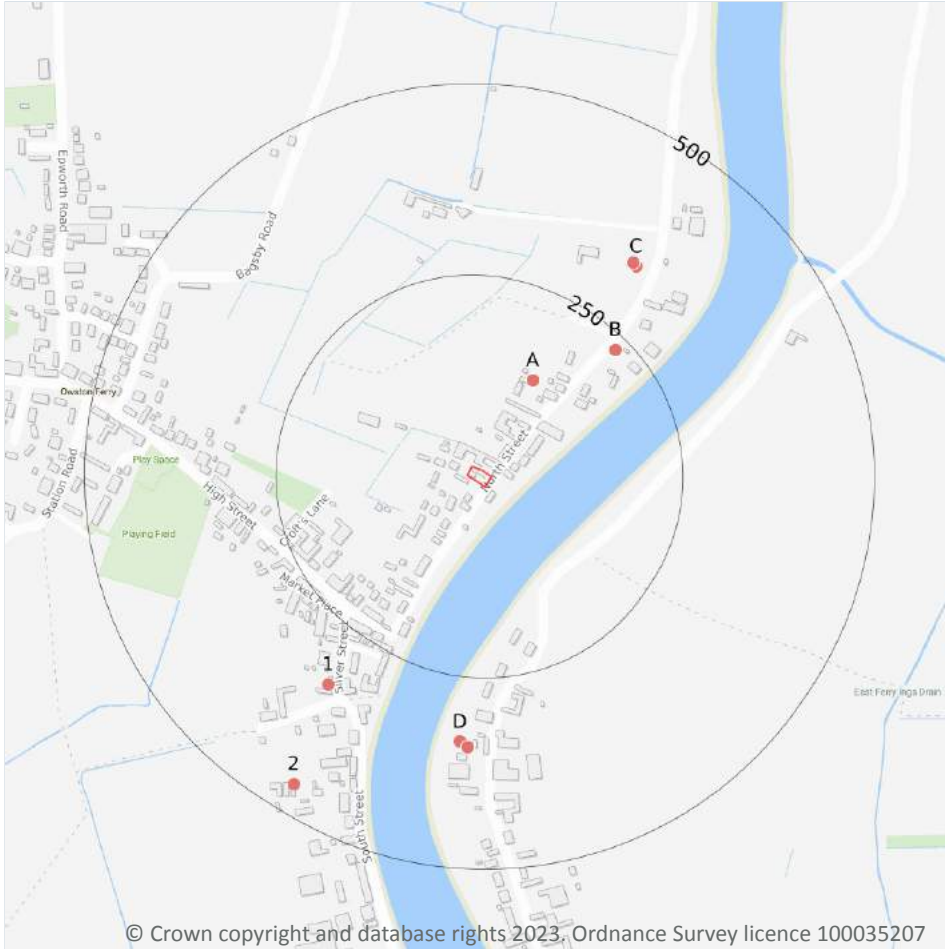
0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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.

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

127

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 21 >](#)

| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|------------------------------------|--------------------|------------------------------|-------------------------|---|
| A | 134m NE | North Farm 28 North Street DN9 1RT | EPR/CE5552DT /A001 | Disposing of waste exemption | Agricultural Waste Only | Deposit of waste from dredging of inland waters |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|--|--------------------|------------------------------|-------------------------|---|
| A | 134m NE | North Farm 28 North Street DN9 1RT | EPR/CE5552DT /A001 | Disposing of waste exemption | Agricultural Waste Only | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| A | 134m NE | North Farm 28 North Street DN9 1RT | EPR/CE5552DT /A001 | Disposing of waste exemption | Agricultural Waste Only | Burning waste in the open |
| A | 134m NE | North Farm 28 North Street DN9 1RT | EPR/CE5552DT /A001 | Treating waste exemption | Agricultural Waste Only | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| A | 134m NE | North Farm 28 North Street DN9 1RT | EPR/CE5552DT /A001 | Using waste exemption | Agricultural Waste Only | Use of waste in construction |
| A | 134m NE | North Farm 28 North Street DN9 1RT | EPR/CE5552DT /A001 | Using waste exemption | Agricultural Waste Only | Spreading waste on agricultural land to confer benefit |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX172972 | Disposing of waste exemption | On a farm | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX172972 | Using waste exemption | On a farm | Use of waste in construction |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX172972 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX172972 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX172972 | Disposing of waste exemption | On a farm | Burning waste in the open |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX012316 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX012316 | Disposing of waste exemption | On a farm | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX012316 | Disposing of waste exemption | On a farm | Burning waste in the open |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|--|-----------------------|------------------------------------|---|--|
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX012316 | Treating waste exemption | On a farm | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX012316 | Using waste exemption | On a farm | Use of waste in construction |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX012316 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX309729 | Using waste exemption | On a farm | Use of waste in construction |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX309729 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX309729 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX309729 | Disposing of waste exemption | On a farm | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| B | 231m NE | 28, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX309729 | Disposing of waste exemption | On a farm | Burning waste in the open |
| 1 | 328m SW | - | WEX349903 | Using waste exemption | On a farm | Use of waste in construction |
| C | 333m NE | Lynfield Lodge North Street DN9 1RT | EPR/EE5853YV /A001 | Disposing of waste exemption | Agricultural Waste Only | Deposit of waste from dredging of inland waters |
| C | 333m NE | Lynfield Lodge North Street DN9 1RT | EPR/EE5853YV /A001 | Disposing of waste exemption | Agricultural Waste Only | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| C | 333m NE | Lynfield Lodge North Street DN9 1RT | EPR/EE5853YV /A001 | Using waste exemption | Agricultural Waste Only | Use of waste in construction |
| C | 333m NE | Lynfield Lodge North Street DN9 1RT | EPR/EE5853YV /A001 | Disposing of waste exemption | Both agricultural and non- agricultural waste | Burning waste in the open |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|--|-----------------------|------------------------------------|---|--|
| C | 333m NE | Lynfield Lodge North Street DN9 1RT | EPR/EE5853YV /A001 | Treating waste exemption | Both agricultural and non- agricultural waste | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| C | 335m NE | LYNFIELD LODGE, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX171824 | Disposing of waste exemption | On a farm | Burning waste in the open |
| C | 335m NE | LYNFIELD LODGE, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX171824 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |
| C | 335m NE | LYNFIELD LODGE, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX171824 | Using waste exemption | On a farm | Spreading of plant matter to confer benefit |
| C | 335m NE | LYNFIELD LODGE, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX171824 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| C | 335m NE | LYNFIELD LODGE, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX011065 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| C | 335m NE | LYNFIELD LODGE, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX011065 | Disposing of waste exemption | On a farm | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| C | 335m NE | LYNFIELD LODGE, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX011065 | Disposing of waste exemption | On a farm | Burning waste in the open |
| C | 335m NE | LYNFIELD LODGE, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX011065 | Treating waste exemption | On a farm | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| C | 335m NE | LYNFIELD LODGE, NORTH STREET, OWSTON FERRY, DONCASTER, DN9 1RT | WEX011065 | Using waste exemption | On a farm | Use of waste in construction |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Using waste exemption | On a farm | Use of mulch |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|---|-----------|------------------------------|--------------|---|
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Physical treatment of waste edible oil and fat to produce biodiesel |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Disposing of waste exemption | On a farm | Burning waste in the open |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Preparatory treatments (baling, sorting, shredding etc) |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Using waste exemption | On a farm | Use of waste derived biodiesel as fuel |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Using waste exemption | On a farm | Spreading waste on non-agricultural land to confer benefit |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Storing waste exemption | On a farm | Storage of waste in a secure place |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Treatment of non-hazardous pesticide washings by carbon filtration for disposal |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Using waste exemption | On a farm | Use of waste in construction |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Using waste exemption | On a farm | Pig and poultry ash |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|---|-----------|------------------------------|--------------|--|
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Disposing of waste exemption | On a farm | Deposit of waste from a portable sanitary convenience |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Disposing of waste exemption | On a farm | Depositing samples of waste for the purposes of testing or analysing them |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Using waste exemption | On a farm | Burning of waste as a fuel in a small appliance |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Disposing of waste exemption | On a farm | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Cleaning, washing, spraying or coating relevant waste |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Screening and blending of waste |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Recovery of central heating oil by filtration |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Using waste exemption | On a farm | Spreading of plant matter to confer benefit |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Using waste exemption | On a farm | Incorporation of ash into soil |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|---|-----------|------------------------------|--------------|--|
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Sorting mixed waste |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Manual treatment of waste |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Aerobic composting and associated prior treatment |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Disposing of waste exemption | On a farm | Disposal by incineration |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Using waste exemption | On a farm | Use of waste for a specified purpose |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Recovery of scrap metal |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX169148 | Treating waste exemption | On a farm | Treatment of kitchen waste in a wormery |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Disposing of waste exemption | On a farm | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Disposing of waste exemption | On a farm | Disposal by incineration |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|---|-----------|------------------------------|--------------|---|
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Disposing of waste exemption | On a farm | Burning waste in the open |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Storing waste exemption | On a farm | Storage of waste in a secure place |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Treating waste exemption | On a farm | Physical treatment of waste edible oil and fat to produce biodiesel |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Treating waste exemption | On a farm | Aerobic composting and associated prior treatment |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Treating waste exemption | On a farm | Preparatory treatments (baling, sorting, shredding etc) |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Treating waste exemption | On a farm | Screening and blending of waste |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Treating waste exemption | On a farm | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Treating waste exemption | On a farm | Recovery of scrap metal |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Using waste exemption | On a farm | Use of waste in construction |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|---|-----------|------------------------------|--------------|--|
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Using waste exemption | On a farm | Use of mulch |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Using waste exemption | On a farm | Spreading of plant matter to confer benefit |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Using waste exemption | On a farm | Incorporation of ash into soil |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX010688 | Using waste exemption | On a farm | Pig and poultry ash |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Storing waste exemption | On a Farm | Storage of waste in a secure place |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Disposing of waste exemption | On a Farm | Burning waste in the open |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Disposing of waste exemption | On a Farm | Disposal by incineration |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Disposing of waste exemption | On a Farm | Depositing samples of waste for the purposes of testing or analysing them |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Disposing of waste exemption | On a Farm | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Disposing of waste exemption | On a Farm | Deposit of waste from a portable sanitary convenience |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|---|-----------|------------------------------|--------------|---|
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Disposing of waste exemption | On a Farm | Deposit of waste from dredging of inland waters |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Recovery of central heating oil by filtration |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Treatment of non-hazardous pesticide washings by carbon filtration for disposal |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Treatment of kitchen waste in a wormery |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Aerobic composting and associated prior treatment |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Physical treatment of waste edible oil and fat to produce biodiesel |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Manual treatment of waste |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Sorting mixed waste |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Recovery of scrap metal |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|---|-----------|--------------------------|--------------|--|
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Screening and blending of waste |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Preparatory treatments (baling, sorting, shredding etc) |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Treating waste exemption | On a Farm | Cleaning, washing, spraying or coating relevant waste |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Using waste exemption | On a Farm | Pig and poultry ash |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Using waste exemption | On a Farm | Incorporation of ash into soil |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Using waste exemption | On a Farm | Spreading of plant matter to confer benefit |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Using waste exemption | On a Farm | Use of mulch |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Using waste exemption | On a Farm | Spreading waste on non-agricultural land to confer benefit |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Using waste exemption | On a Farm | Spreading waste on agricultural land to confer benefit |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Using waste exemption | On a Farm | Use of waste for a specified purpose |



| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|---|--------------------|------------------------------|--|--|
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Using waste exemption | On a Farm | Use of waste derived biodiesel as fuel |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Using waste exemption | On a Farm | Burning of waste as a fuel in a small appliance |
| D | 335m S | FERRY FARM, 11, HIGH STREET, EAST FERRY, GAINSBOROUGH, DN21 3DZ | WEX302747 | Using waste exemption | On a Farm | Use of waste in construction |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Disposing of waste exemption | Agricultural Waste Only | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Deposit of waste from dredging of inland waters |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Burning waste in the open |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Treating waste exemption | Both agricultural and non-agricultural waste | Aerobic composting and associated prior treatment |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Treating waste exemption | Both agricultural and non-agricultural waste | Anaerobic digestion at premises used for agriculture and burning of resultant biogas |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Treating waste exemption | Both agricultural and non-agricultural waste | Preparatory treatments (baling, sorting, shredding etc) |

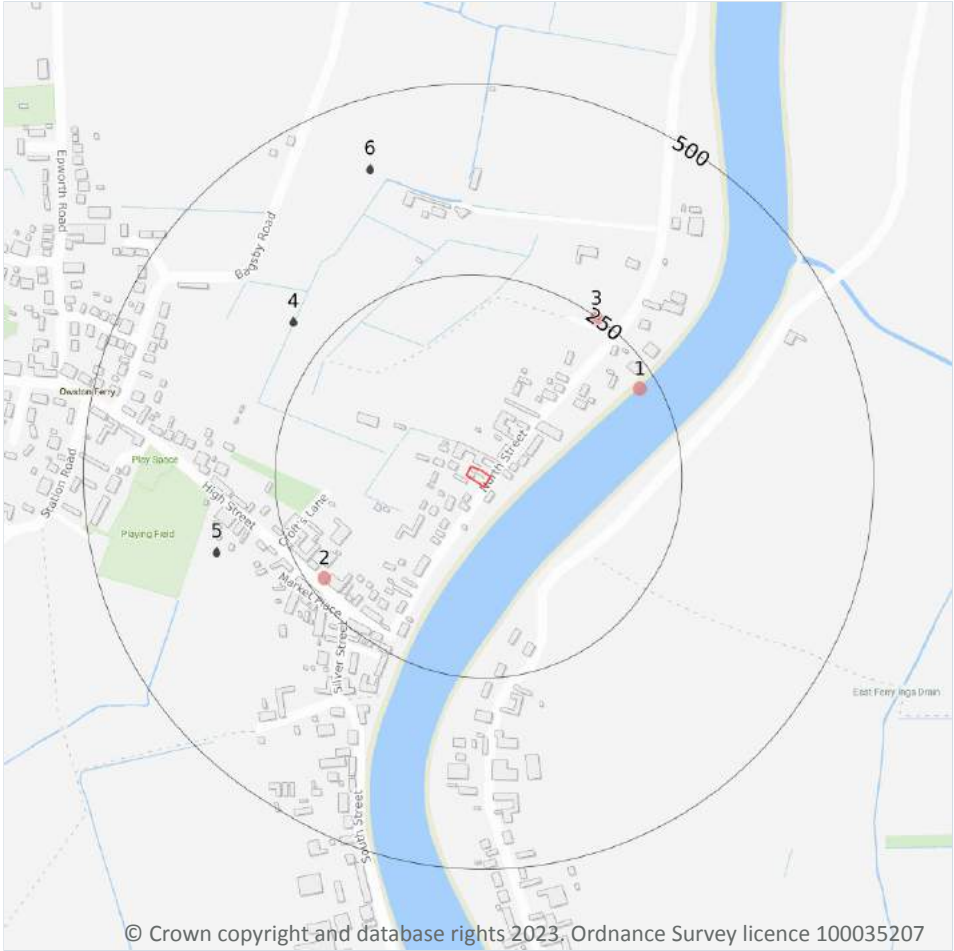


| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|---|-----------------------|-----------------------------|---|--|
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Treating waste exemption | Both agricultural and non- agricultural waste | Screening and blending of waste |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Treating waste exemption | Both agricultural and non- agricultural waste | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Using waste exemption | Both agricultural and non- agricultural waste | Use of waste in construction |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Using waste exemption | Both agricultural and non- agricultural waste | Spreading waste on agricultural land to confer benefit |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Using waste exemption | Both agricultural and non- agricultural waste | Use of mulch |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Using waste exemption | Both agricultural and non- agricultural waste | Spreading of plant matter to confer benefit |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Using waste exemption | Both agricultural and non- agricultural waste | Incorporation of ash into soil |
| D | 341m S | Ferry Farm High Street GAINSBOROUGH Lincolnshire DN21 3DZ | EPR/XH0371S A/A001 | Treating waste exemption | Non- Agricultural Waste Only | Physical treatment of waste edible oil and fat to produce biodiesel |
| 2 | 462m SW | 7 South Street DONCASTER South Yorkshire DN9 1RP | EPR/SH0418Y U/A001 | Using waste exemption | Non- Agricultural Waste Only | Use of depolluted end-of-life vehicles for vehicle parts |

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Licensed Discharges to controlled waters

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4.1 Recent industrial land uses

Records within 250m **3**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 35](#) >

| ID | Location | Company | Address | Activity | Category |
|----|----------|--------------|---|--|---|
| 1 | 226m NE | Slipway | Lincolnshire, DN9 | Moorings and Unloading Facilities | Water |
| 2 | 229m SW | Isle Coaches | The Old Garage 97, High Street, Owston Ferry, Lincolnshire, DN9 1RL | Bus and Coach Stations, Depots and Companies | Public Transport, Stations and Infrastructure |

| ID | Location | Company | Address | Activity | Category |
|----|----------|-----------------|-------------------|------------------------|---------------------|
| 3 | 249m NE | Pumping Station | Lincolnshire, DN9 | Water Pumping Stations | Industrial Features |

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.



4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

0

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.

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

3

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 35 >](#)

| ID | Location | Address | Details | |
|----|----------|--|---|---|
| 4 | 299m NW | AREAS OF OWSTON FERRY - SWS, NORTH OF HIGH STREET, BAGSBY ROAD, RECREATION FIELD - OWSTON FERRY, N LINCS | Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/85/03284/O Permit Version: 1 Receiving Water: RIVER TRENT (TIDAL) TRIBUTARY | Status: SURRENDERED UNDER EPR 2010 Issue date: 12/07/1972 Effective Date: 12/07/1972 Revocation Date: 05/10/2010 |
| 5 | 340m W | AREAS OF OWSTON FERRY - SWS, NORTH OF HIGH STREET, BAGSBY ROAD, RECREATION FIELD - OWSTON FERRY, N LINCS | Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/85/03284/O Permit Version: 1 Receiving Water: RIVER TRENT (TIDAL) TRIBUTARY | Status: SURRENDERED UNDER EPR 2010 Issue date: 12/07/1972 Effective Date: 12/07/1972 Revocation Date: 05/10/2010 |
| 6 | 410m N | AREAS OF OWSTON FERRY - SWS, NORTH OF HIGH STREET, BAGSBY ROAD, RECREATION FIELD - OWSTON FERRY, N LINCS | Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/85/03284/O Permit Version: 1 Receiving Water: RIVER TRENT (TIDAL) TRIBUTARY | Status: SURRENDERED UNDER EPR 2010 Issue date: 12/07/1972 Effective Date: 12/07/1972 Revocation Date: 05/10/2010 |

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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



4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

0

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

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

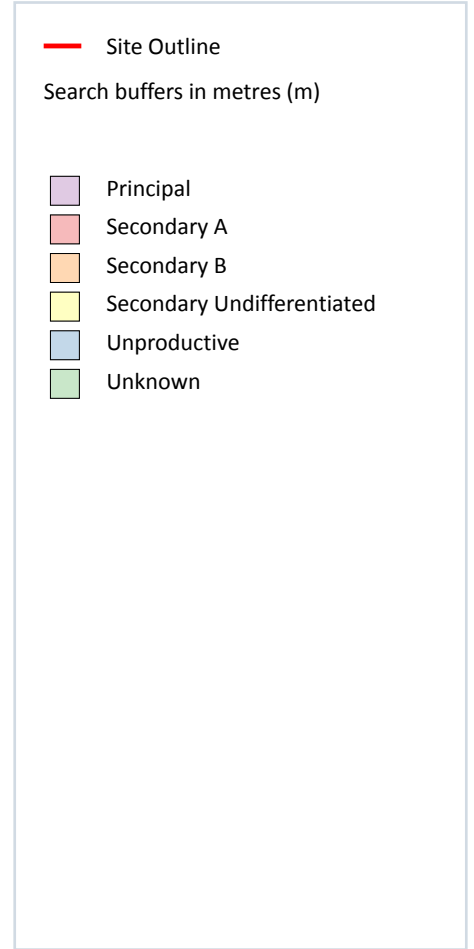
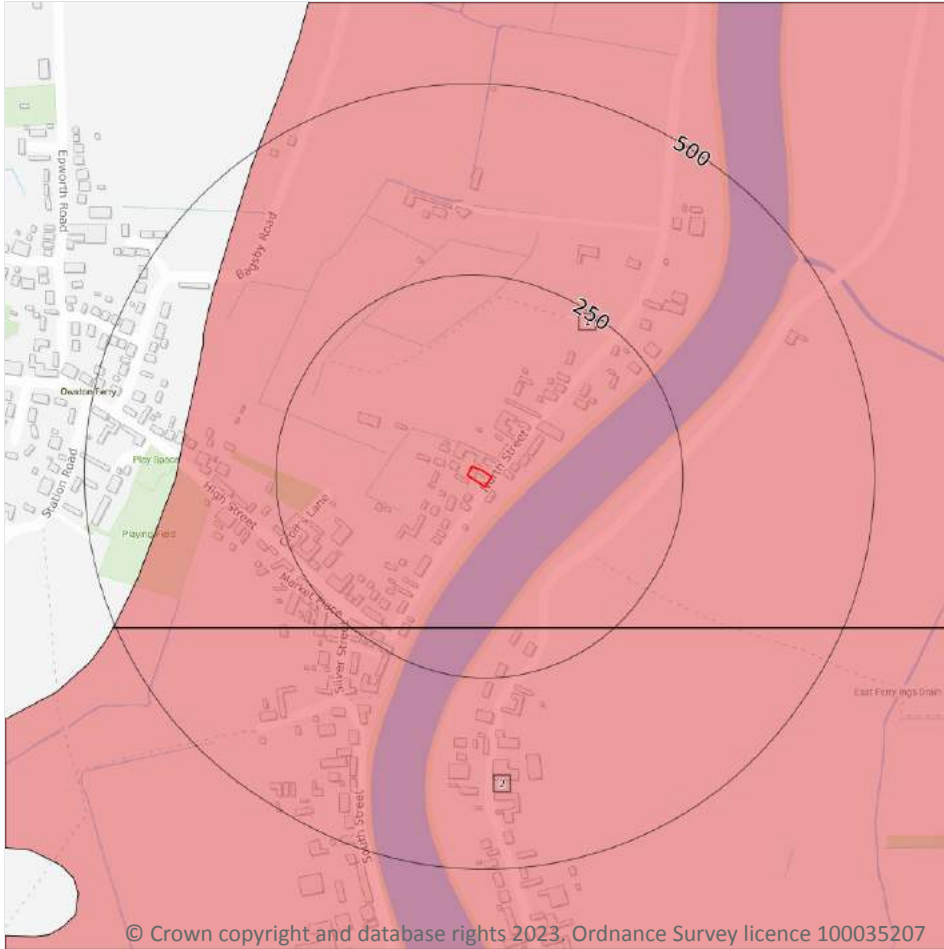
Records within 500m

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

2

Aquifer status of groundwater held within superficial geology.

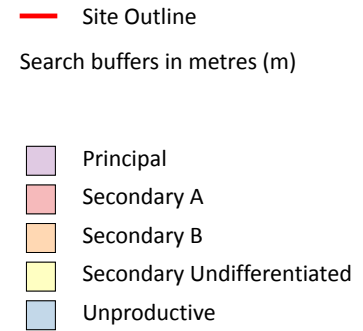
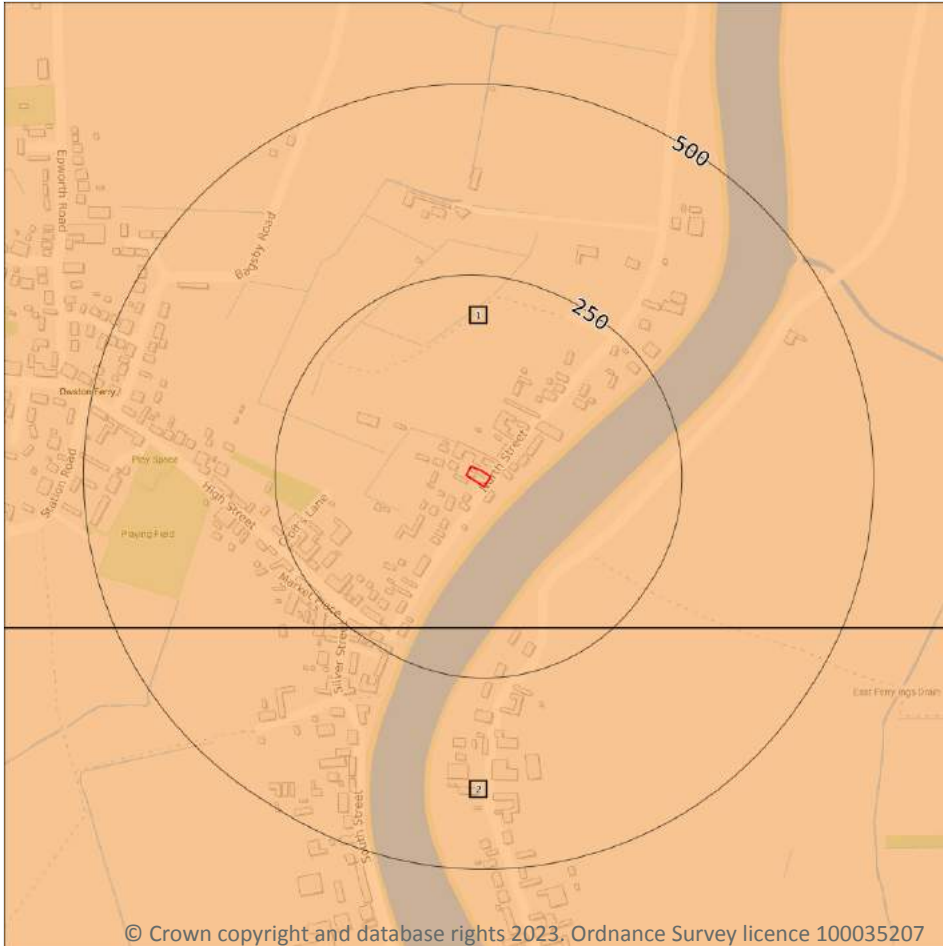
Features are displayed on the Hydrogeology map on [page 41](#) >

| ID | Location | Designation | Description |
|----|----------|-------------|---|
| 1 | On site | 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 |
| 2 | 185m S | 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



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5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

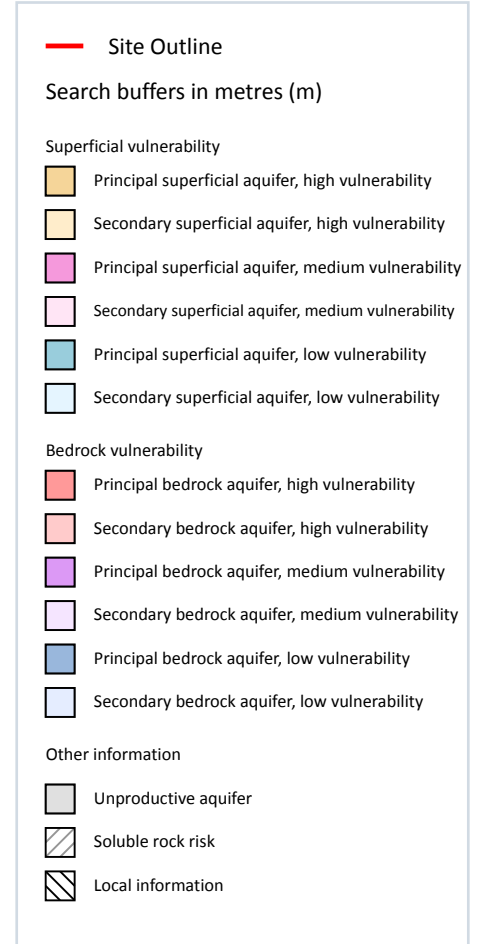
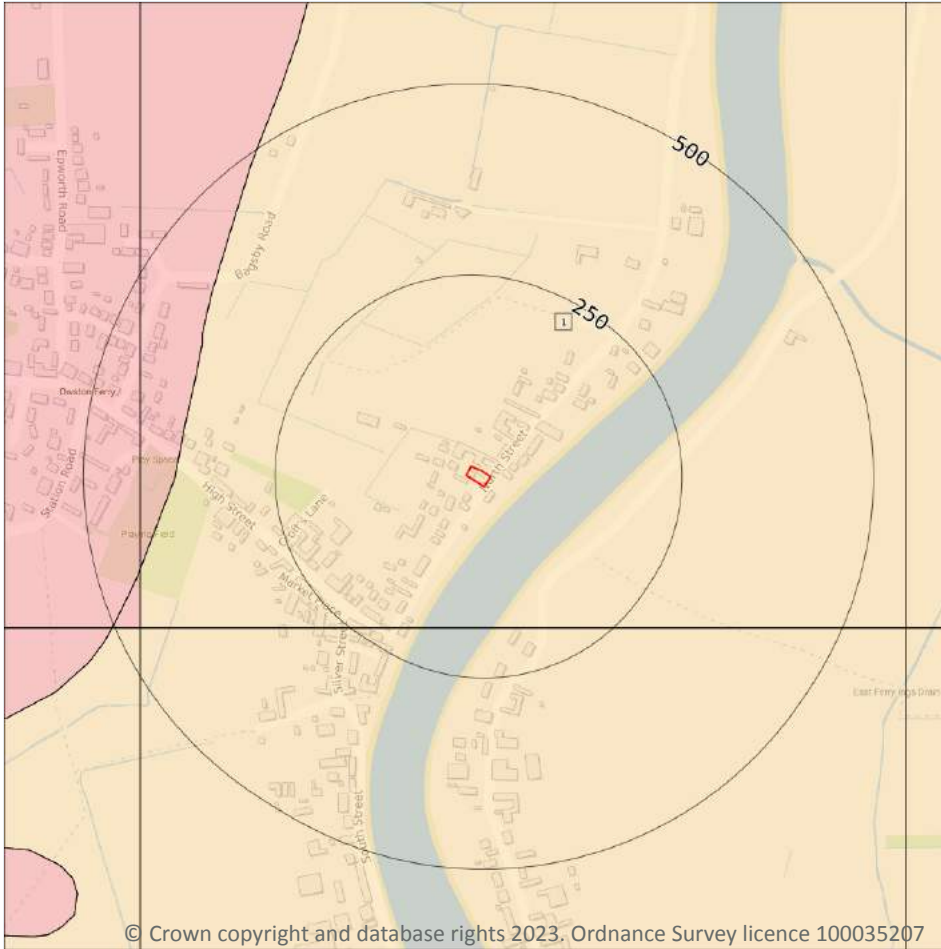
Features are displayed on the Bedrock aquifer map on [page 43](#) >

| ID | Location | Designation | Description |
|----|----------|-------------|--|
| 1 | On site | Secondary B | Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers |
| 2 | 185m S | Secondary B | Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers |

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

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 45 >](#)

| ID | Location | Summary | Soil / surface | Superficial geology | Bedrock geology |
|----|----------|---|---|--|---|
| 1 | On site | Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer | Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year | Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High | Vulnerability: High Aquifer type: Secondary 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 | 0 |
|------------------------|----------|

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

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

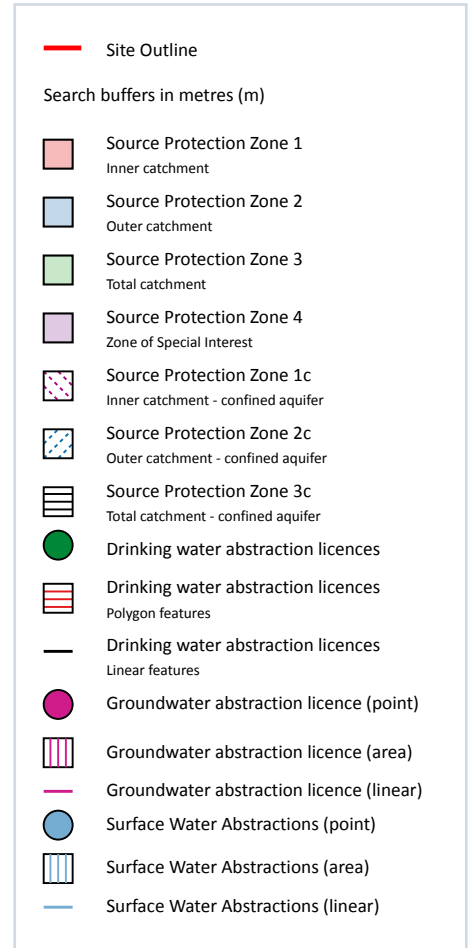
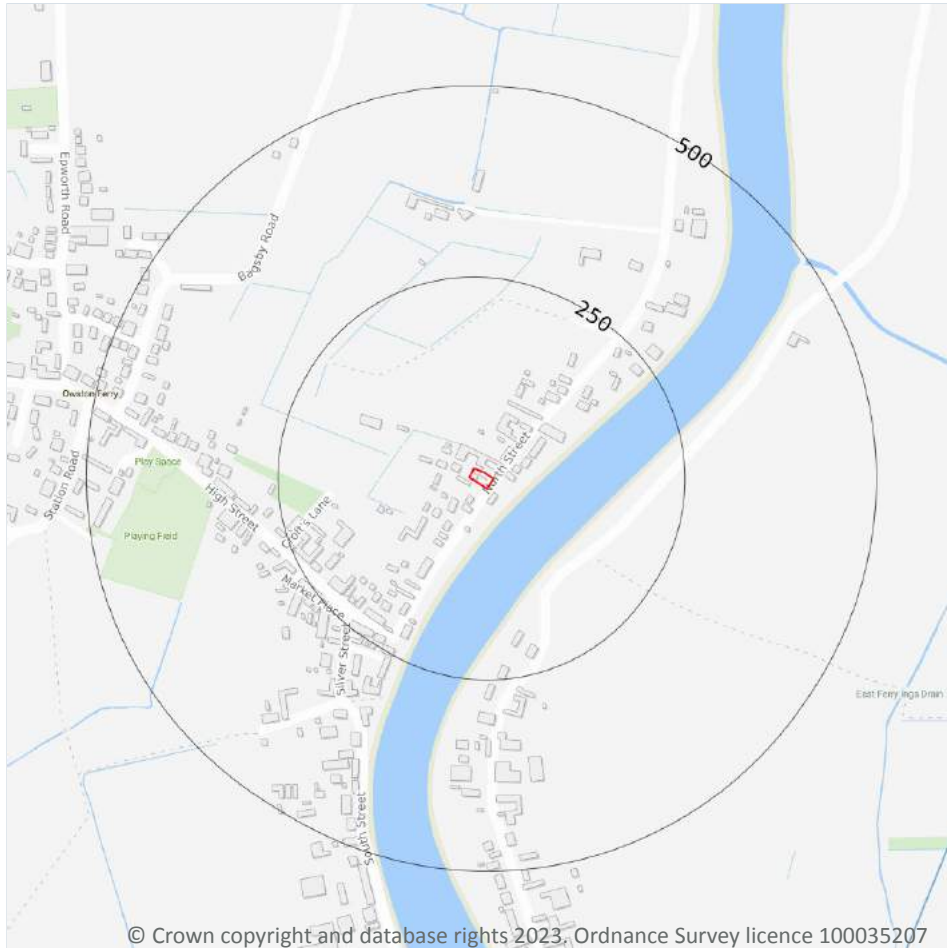
5.5 Groundwater vulnerability- local information

| | |
|------------------------|----------|
| 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

1

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 47 >](#)

| ID | Location | Details | |
|----|----------|--|---|
| - | 1787m NW | Status: Active Licence No: MD/028/0082/014 Details: Dewatering Direct Source: Groundwater Midlands Region Point: UNDERGROUND STRATA OF MERCIA MUDSTONE AT LOW MELWOOD QUARRY Data Type: Poly4 Name: North Lincs Sand & Gravel Ltd Easting: 480273 Northing: 401926 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/NA/001815 Original Start Date: 18/03/2021 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 18/03/2021 Version End Date: - |

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

5.7 Surface water abstractions

| | |
|-----------------------------|-----------|
| Records within 2000m | 23 |
|-----------------------------|-----------|

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 47 >](#)

| ID | Location | Details | |
|----|----------|--|---|
| - | 728m S | Status: Historical Licence No: 03/28/82/0016 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: OWSTON FERRY -THE FERRY DRAIN (REACH) Data Type: Line Name: W F C DRAYTON (FARMING) LTD Easting: 480570 Northing: 399320 | Annual Volume (m ³): 80000 Max Daily Volume (m ³): 5454 Original Application No: - Original Start Date: 14/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 08/11/2007 Version End Date: - |
| - | 729m S | Status: Active Licence No: 03/28/82/0016 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: OWSTON FERRY -THE FERRY DRAIN (REACH) Data Type: Line Name: W F C DRAYTON (FARMING) LTD Easting: 480570 Northing: 399325 | Annual Volume (m ³): 80000 Max Daily Volume (m ³): 5454 Original Application No: NPS/WR/014101 Original Start Date: 14/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 03/12/2013 Version End Date: - |



| ID | Location | Details | |
|----|----------|--|---|
| 1 | 731m E | Status: Historical Licence No: 03/28/79/0030 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: EAST FERRY INGS DRAIN-SPRAY IRRIGATION Data Type: Line Name: DOBSON Easting: 481910 Northing: 399370 | Annual Volume (m ³): 7000 Max Daily Volume (m ³): 818 Original Application No: - Original Start Date: 10/04/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 10/04/2007 Version End Date: - |
| - | 734m S | Status: Historical Licence No: MD/028/0082/016 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: Surface Water Midlands Region Point: DRAIN HEAD PUMPING STATION, EAST FERRY Data Type: Point Name: Isle of Axholme & North Nottinghamshire WLMB Easting: 481394 Northing: 399452 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/08/2019 Expiry Date: 31/03/2022 Issue No: 2 Version Start Date: 17/07/2020 Version End Date: - |
| - | 844m S | Status: Active Licence No: 03/28/82/0016 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: OWSTON FERRY - WARPING DRAINS (D) Data Type: Point Name: W F C DRAYTON (FARMING) LTD Easting: 481165 Northing: 399389 | Annual Volume (m ³): 80000 Max Daily Volume (m ³): 5454 Original Application No: NPS/WR/014101 Original Start Date: 14/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 03/12/2013 Version End Date: - |
| - | 855m S | Status: Historical Licence No: 03/28/82/0016 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: OWSTON FERRY - WARPING DRAINS (3) Data Type: Point Name: W F C DRAYTON (FARMING) LTD Easting: 481160 Northing: 399380 | Annual Volume (m ³): 80000 Max Daily Volume (m ³): 5454 Original Application No: - Original Start Date: 14/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 08/11/2007 Version End Date: - |
| - | 1203m E | Status: Active Licence No: 03/28/79/0008 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: NR KELFIELD - LAUGHTON HIGHLAND DRAIN Data Type: Point Name: G F ROBINSON & SONS Easting: 482660 Northing: 400260 | Annual Volume (m ³): 4546 Max Daily Volume (m ³): 655 Original Application No: - Original Start Date: 06/04/1978 Expiry Date: - Issue No: 100 Version Start Date: 03/12/2018 Version End Date: - |



| ID | Location | Details | |
|----|----------|---|--|
| - | 1258m SW | Status: Active Licence No: 03/28/82/0027 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: LADY CROFT FARM, OWSTON - WARPING DRAIN Data Type: Point Name: W F C DRAYTON (FARMING) LTD Easting: 480600 Northing: 399250 | Annual Volume (m ³): 40000 Max Daily Volume (m ³): 770 Original Application No: - Original Start Date: 30/11/1992 Expiry Date: - Issue No: 101 Version Start Date: 07/09/2001 Version End Date: - |
| - | 1280m NE | Status: Active Licence No: 03/28/82/0029 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: LAND AT KELFIELD GRANGE Data Type: Line Name: C N TEMPERTON & SONS Easting: 481020 Northing: 402700 | Annual Volume (m ³): 6500 Max Daily Volume (m ³): 360 Original Application No: - Original Start Date: 19/03/1993 Expiry Date: - Issue No: 101 Version Start Date: 03/12/2018 Version End Date: - |
| - | 1283m SW | Status: Active Licence No: MD/028/0082/012 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: FERRY DRAIN AT OWSTON FERRY, DONCASTER, SOUTH YORKSHIRE. Data Type: Line Name: J T Hopkins and Sons Easting: 480031 Northing: 399064 | Annual Volume (m ³): 10500 Max Daily Volume (m ³): 700 Original Application No: NPS/WR/025740 Original Start Date: 07/07/2017 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 07/07/2017 Version End Date: - |
| - | 1522m NE | Status: Active Licence No: MD/028/0082/019 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: KELFIELD SEWER, KELFIELD Data Type: Line Name: J T Hopkins and Sons Easting: 481391 Northing: 402295 | Annual Volume (m ³): 10000 Max Daily Volume (m ³): 1224 Original Application No: NPS/WR/030661 Original Start Date: 29/07/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 29/07/2019 Version End Date: - |
| - | 1827m N | Status: Historical Licence No: 03/28/82/0029 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: KELFIELD GRANGE - DRAIN Data Type: Point Name: C N TEMPERTON & SONS Easting: 481960 Northing: 401960 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/03/1993 Expiry Date: - Issue No: 101 Version Start Date: 23/04/2002 Version End Date: - |



| ID | Location | Details | |
|----|----------|--|---|
| - | 1853m E | Status: Historical Licence No: 03/28/79/0018 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: LAUGHTON - LAUGHTON HIGHLAND DRAIN (1) Data Type: Point Name: HARROWDEN FARMS LIMITED Easting: 483300 Northing: 399990 | Annual Volume (m ³): 22000 Max Daily Volume (m ³): 1360 Original Application No: - Original Start Date: 29/01/1993 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2007 Version End Date: - |
| - | 1853m E | Status: Historical Licence No: MD/028/0079/003 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: LAUGHTON - LAUGHTON HIGHLAND DRAIN (1) Data Type: Point Name: Robinson Easting: 483300 Northing: 399990 | Annual Volume (m ³): 11000 Max Daily Volume (m ³): 680 Original Application No: - Original Start Date: 08/09/2010 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 08/09/2010 Version End Date: - |
| - | 1932m S | Status: Historical Licence No: 03/28/79/0031 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: JENNY HURN DRAIN - WILDSWORTH (1) Data Type: Point Name: Hammond Farms Easting: 481710 Northing: 398270 | Annual Volume (m ³): 30840 Max Daily Volume (m ³): 771 Original Application No: - Original Start Date: 11/10/2007 Expiry Date: 31/03/2015 Issue No: 3 Version Start Date: 14/06/2012 Version End Date: - |
| - | 1933m S | Status: Active Licence No: 03/28/79/0031/R01 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: JENNY HURN DRAIN - WILDSWORTH (1) Data Type: Point Name: Hammond Farms Easting: 481704 Northing: 398268 | Annual Volume (m ³): 30840 Max Daily Volume (m ³): 771 Original Application No: NPS/WR/019976 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 03/12/2018 Version End Date: - |
| - | 1933m S | Status: Historical Licence No: 03/28/79/0031 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: JENNY HURN DRAIN - WILDSWORTH (1) Data Type: Point Name: Hammond Farms Easting: 481704 Northing: 398268 | Annual Volume (m ³): 30840 Max Daily Volume (m ³): 771 Original Application No: - Original Start Date: 11/10/2007 Expiry Date: 31/03/2015 Issue No: 3 Version Start Date: 14/06/2012 Version End Date: - |



| ID | Location | Details | |
|----|----------|---|---|
| - | 1941m E | Status: Historical Licence No: 03/28/79/0027 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: INLAND WATER - SUSWORTH Data Type: Line Name: W S CHAPMAN & SONS Easting: 483300 Northing: 400810 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 08/06/2001 Version End Date: - |
| - | 1941m E | Status: Historical Licence No: 03/28/79/0027/1 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: INLAND WATER - SUSWORTH Data Type: Line Name: W S CHAPMAN & SONS Easting: 483300 Northing: 400810 | Annual Volume (m ³): 29555 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 08/08/2003 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 08/08/2003 Version End Date: - |
| - | 1954m NE | Status: Active Licence No: 03/28/79/0022 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: SUSWORTH - DRAIN TRIBUTARIES OF SUSWORTH PUMPING DRAIN Data Type: Line Name: DOBSON Easting: 483180 Northing: 401120 | Annual Volume (m ³): 9000 Max Daily Volume (m ³): 818 Original Application No: NPS/WR/005979 Original Start Date: 07/03/1996 Expiry Date: - Issue No: 102 Version Start Date: 03/02/2018 Version End Date: - |
| - | 1958m SW | Status: Active Licence No: 03/28/82/0016 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: OWSTON FERRY -THE FERRY DRAIN (G) Data Type: Point Name: W F C DRAYTON (FARMING) LTD Easting: 479898 Northing: 398974 | Annual Volume (m ³): 80000 Max Daily Volume (m ³): 5454 Original Application No: NPS/WR/014101 Original Start Date: 14/04/1966 Expiry Date: - Issue No: 104 Version Start Date: 03/12/2013 Version End Date: - |
| - | 1960m SW | Status: Historical Licence No: 03/28/82/0016 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: OWSTON FERRY -THE FERRY DRAIN (3) Data Type: Point Name: W F C DRAYTON (FARMING) LTD Easting: 479890 Northing: 398980 | Annual Volume (m ³): 80000 Max Daily Volume (m ³): 5454 Original Application No: - Original Start Date: 14/04/1966 Expiry Date: - Issue No: 103 Version Start Date: 08/11/2007 Version End Date: - |



| ID | Location | Details | |
|----|----------|---|--|
| - | 1995m E | Status: Historical Licence No: 03/28/79/0027/1/R01 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: INLAND WATER - SUSWORTH Data Type: Line Name: W S CHAPMAN & SONS LIMITED Easting: 483355 Northing: 400815 | Annual Volume (m ³): 29555 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: - |

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

5.8 Potable abstractions

| | |
|-----------------------------|----------|
| Records within 2000m | 0 |
|-----------------------------|----------|

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

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

5.9 Source Protection Zones

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

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

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

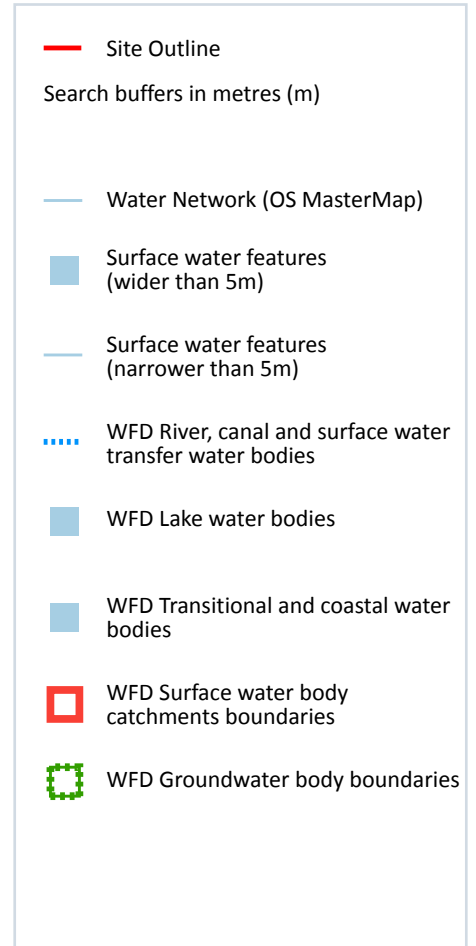
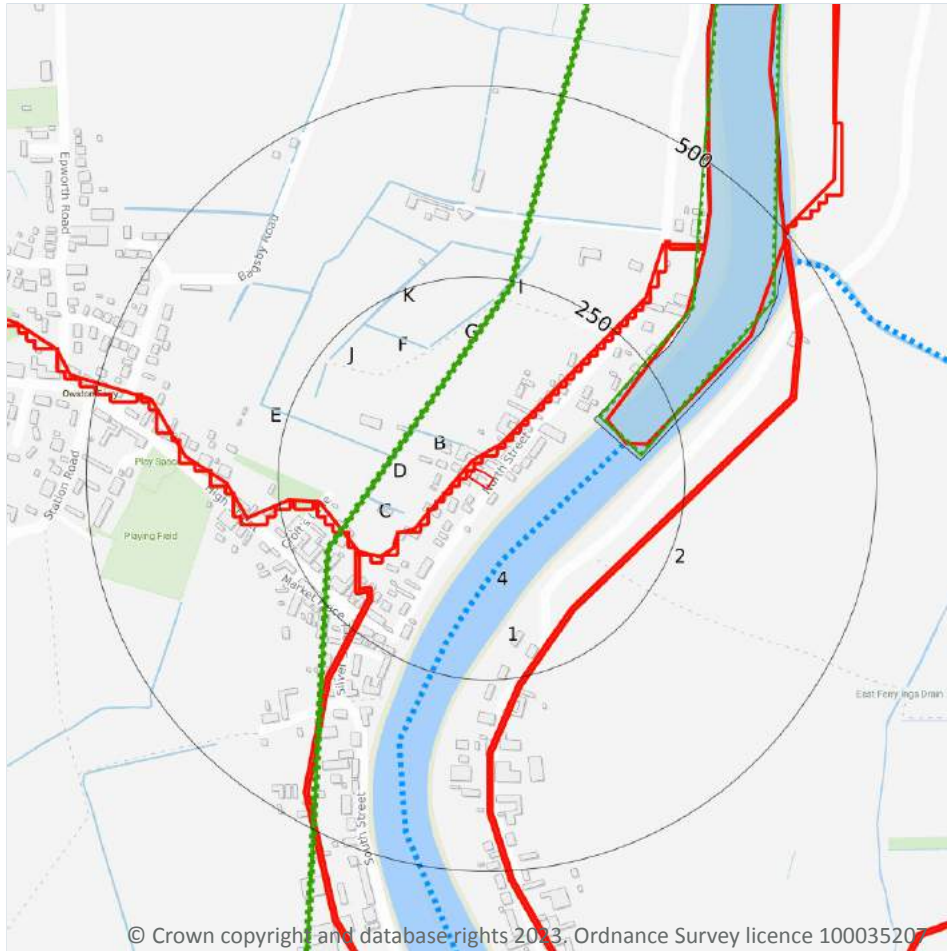
5.10 Source Protection Zones (confined aquifer)

| | |
|----------------------------|----------|
| 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



6.1 Water Network (OS MasterMap)

Records within 250m

11

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 54 >](#)

| ID | Location | Type of water feature | Ground level | Permanence | Name |
|----|----------|---|-------------------|---|------|
| B | 33m NW | 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 |
|----|----------|---|-------------------|---|-------------|
| 4 | 81m SE | Tidal river or stream. | On ground surface | Watercourse contains water year round (in normal circumstances) | River Trent |
| C | 97m SW | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| D | 97m W | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| E | 110m W | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| F | 167m N | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| G | 169m N | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| I | 226m N | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| E | 226m NW | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| J | 234m NW | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| K | 237m NW | 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

9

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 54 >](#)



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 54 >](#)

| ID | Location | Type | Water body catchment | Water body ID | Operational catchment | Management catchment |
|----|----------|-------|---|----------------|-----------------------|-------------------------|
| 1 | On site | River | Trent from Carlton-on-Trent to Laughton Drain | GB104028058480 | Trent and Trib | Trent Lower and Erewash |

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 54 >](#)

| ID | Location | Type | Name | Water body ID | Overall rating | Chemical rating | Ecological rating | Year |
|----|----------|--------|---|----------------------------------|----------------|-----------------|-------------------|------|
| 3 | 81m SE | River | Trent from Carlton-on-Trent to Laughton Drain | GB104028058480 ↗ | Moderate | Fail | Moderate | 2019 |
| 7 | 152m NE | Transi | HUMBER UPPER | GB530402609203 ↗ | Moderate | Fail | Moderate | 2019 |

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



6.5 WFD Groundwater bodies

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

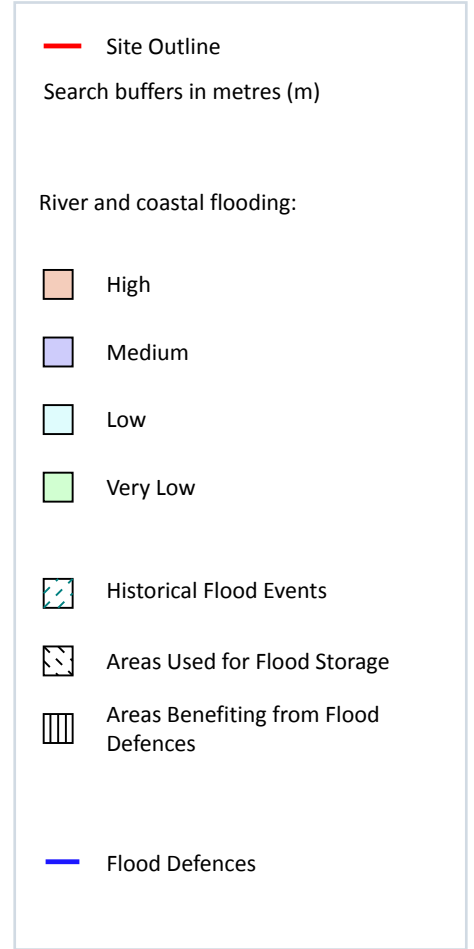
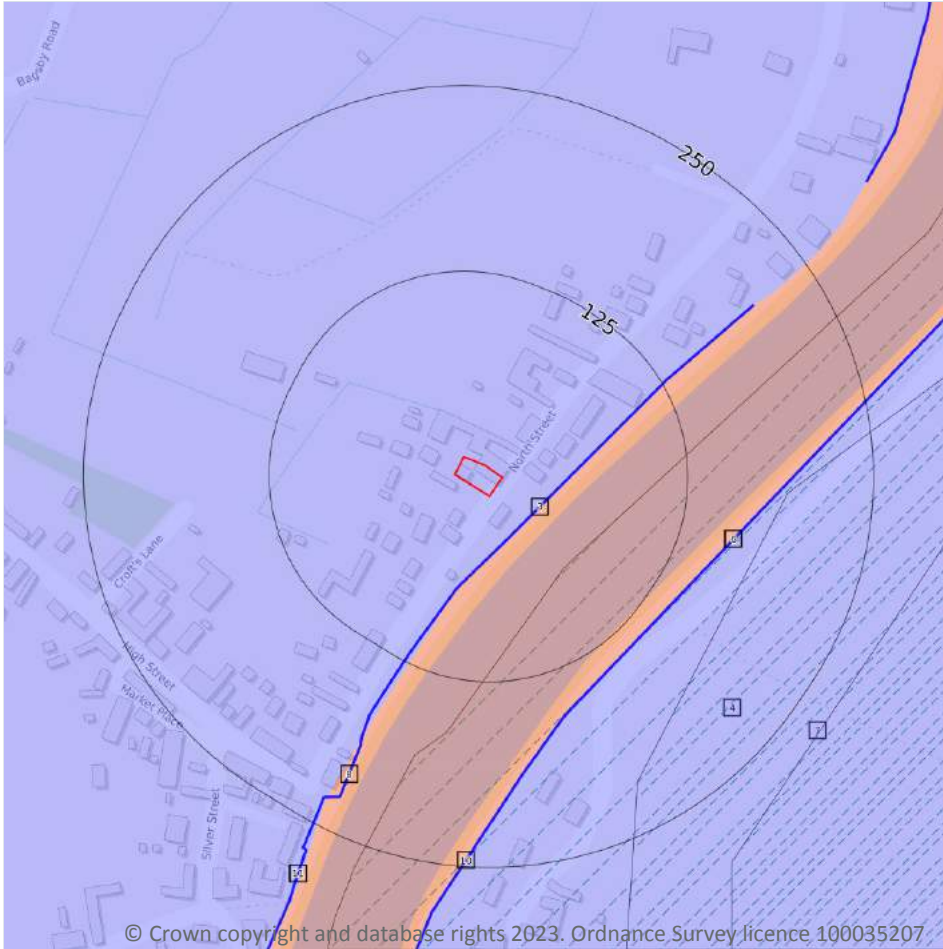
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 54 >](#)

| ID | Location | Name | Water body ID | Overall rating | Chemical rating | Quantitative | Year |
|----|----------|--|----------------------------------|----------------|-----------------|--------------|------|
| 2 | On site | Lower Trent Erewash - Secondary Combined | GB40402G990300 ↗ | Good | Good | Good | 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

2

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 58 >](#)

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

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

7.2 Historical Flood Events

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

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

Features are displayed on the River and coastal flooding map on [page 58 >](#)

| ID | Location | Event name | Date of flood | Flood source | Flood cause | Type of flood |
|----|----------|----------------------------|--------------------------|--------------|--|---------------|
| 4 | 70m SE | Tidal Trent March 1947 Dnl | 1947-03-01 1947-03-31 | Main river | Channel capacity exceeded (no raised defences) | Tidal |
| 7 | 175m SE | Tidal Trent March 1947 | 1947-03-01 1947-03-31 | Main river | Channel capacity exceeded (no raised defences) | Tidal |

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

7.3 Flood Defences

| Records within 250m | 5 |
|---------------------|---|
|---------------------|---|

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 58 >](#)

| ID | Location | Update |
|----|----------|------------|
| 3 | 29m SE | 08/11/2022 |
| 6 | 139m SE | 08/11/2022 |
| 8 | 183m SW | 08/11/2022 |
| 10 | 189m S | 08/11/2022 |



| ID | Location | Update |
|----|----------|------------|
| 11 | 231m SW | 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

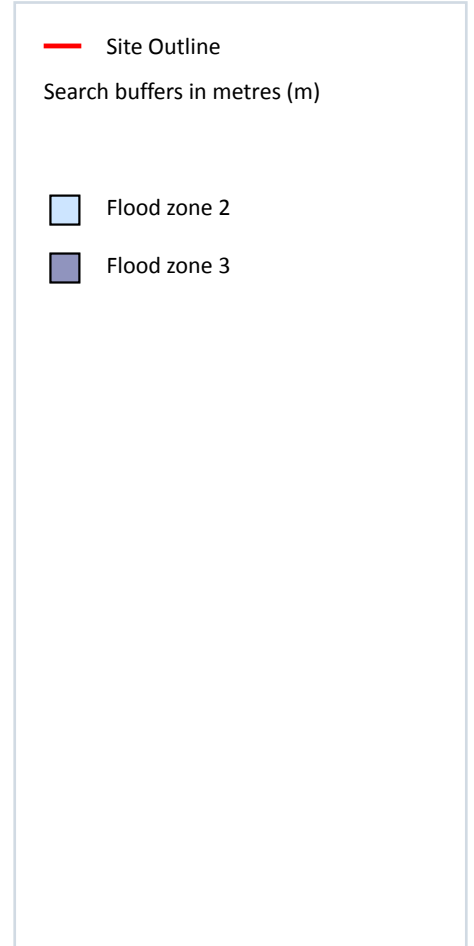
Records within 250m

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 58 >](#)

| 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

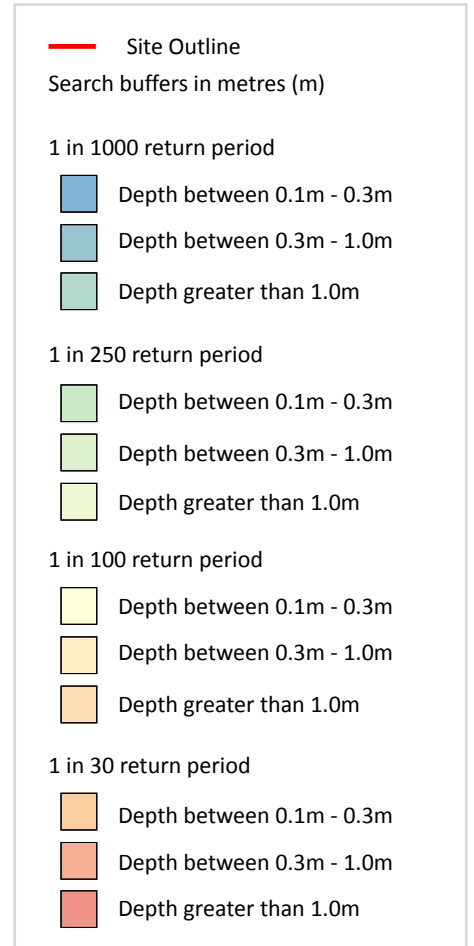
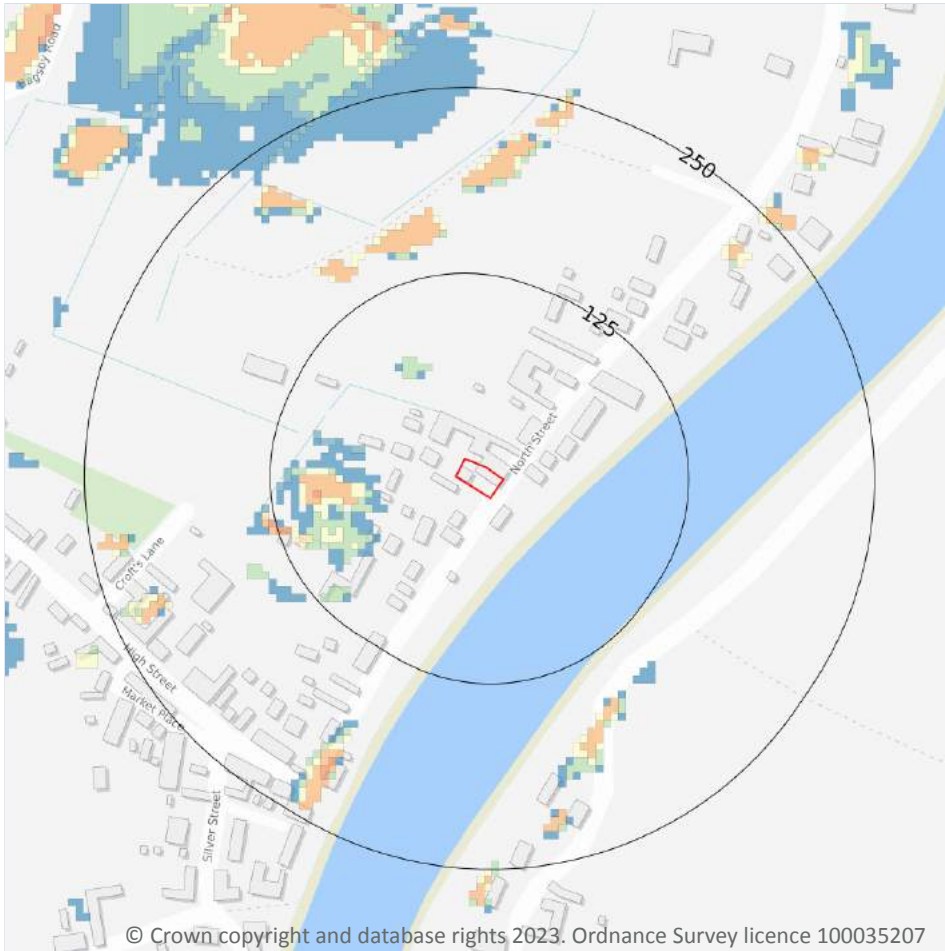
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on [page 58 >](#)

| Location | Type |
|----------|----------------------------------|
| On site | Zone 3 - (Fluvial /Tidal Models) |

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

8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 1000 year, 0.1m - 0.3m

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

Features are displayed on the Surface water flooding map on [page 63 >](#)

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

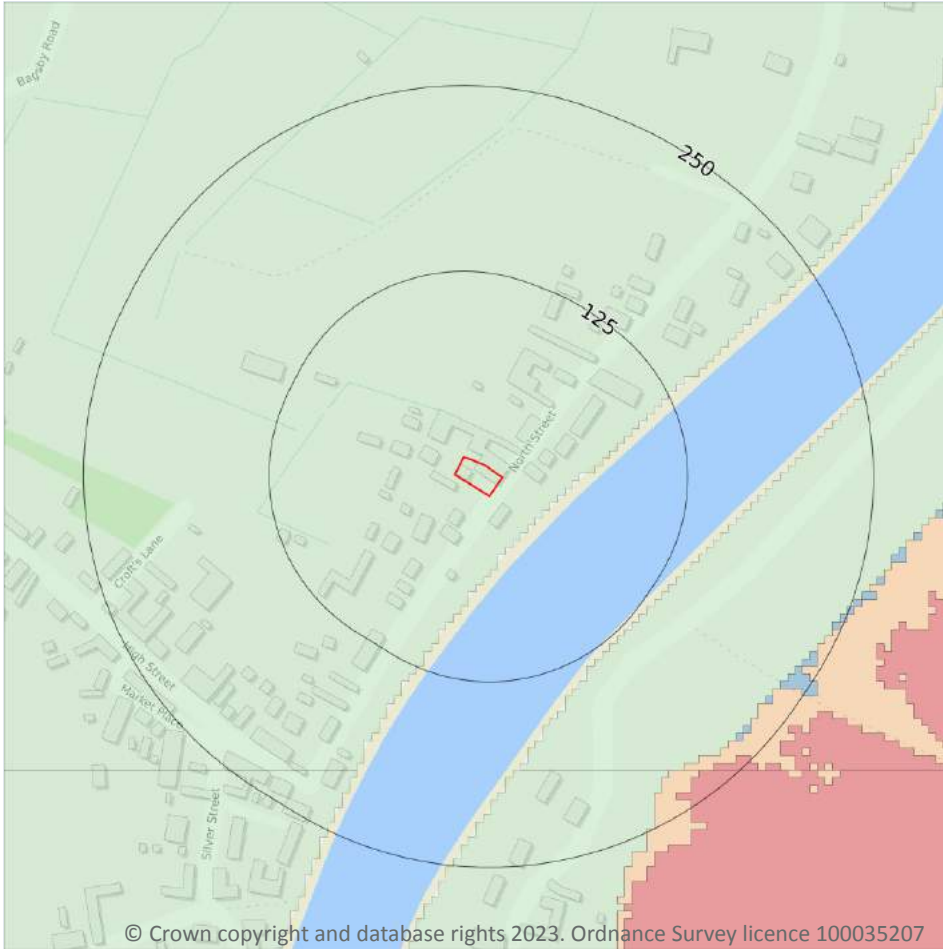
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

Low

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 65](#) >

This data is sourced from Ambiental Risk Analytics.



10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)

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10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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.

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



10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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.

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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.

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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.

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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.

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

1

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 66 >](#)

| ID | Location | Name | Data source |
|----|----------|---------------------|-----------------|
| 1 | 865m W | Owston Ferry Castle | 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

7

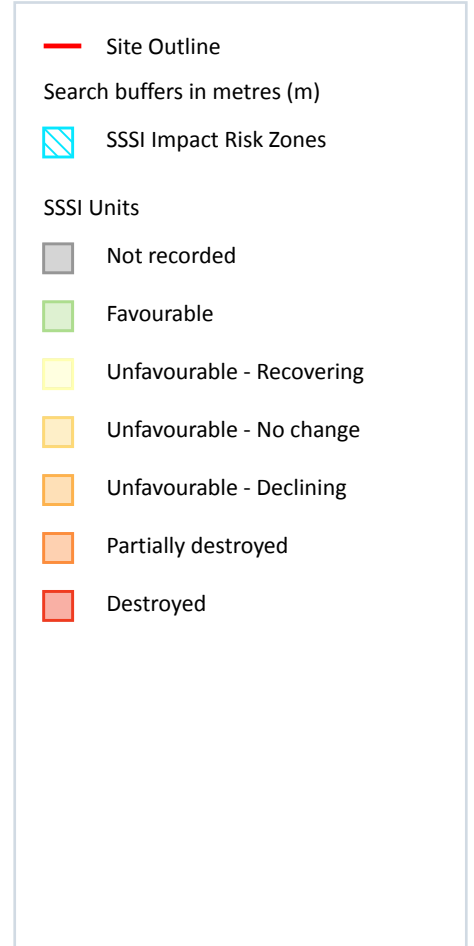
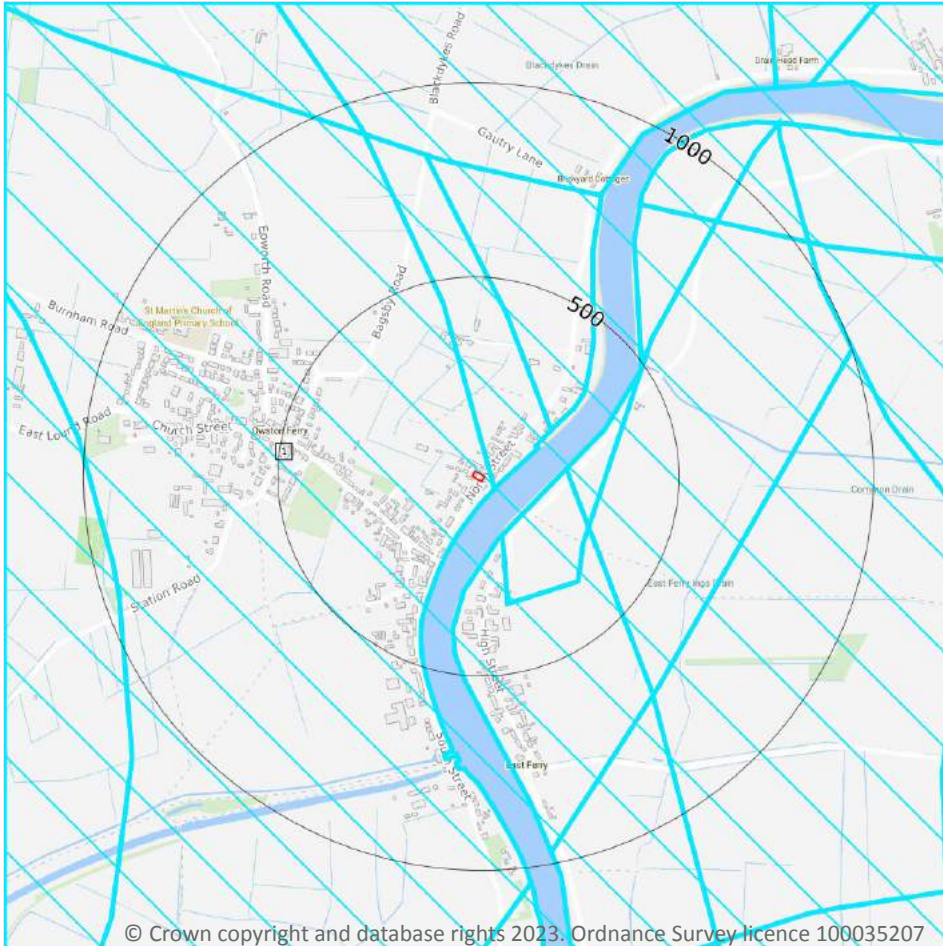
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

| Location | Name | Type | NVZ ID | Status |
|----------------|--|----------------------|------------|-----------------|
| On site | Ferry Drain / Warping Drain Catch (trib of Trent) NVZ | Surface Water | 337 | Existing |
| 120m SE | Laughton Drain from Source to River Trent NVZ | Surface Water | 336 | Existing |
| 127m SE | R Trent from Carlton-on-Trent to Laughton Drain NVZ | Surface Water | 347 | Existing |
| 492m NE | BURTON STATHER DRAIN NVZ | Surface Water | 653 | Existing |
| 527m N | R Torne / Three Rivers from Mother Dr to R Trent NVZ | Surface Water | 351 | Existing |
| 768m S | R Trent from Carlton-on-Trent to Laughton Drain NVZ | Surface Water | 347 | Existing |
| 944m NE | BURTON STATHER DRAIN NVZ | Surface Water | 653 | 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 71](#) >

| ID | Location | Type of developments requiring consultation |
|----|----------|--|
| 1 | On site | <p>Infrastructure - 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>Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> |

This data is sourced from Natural England.

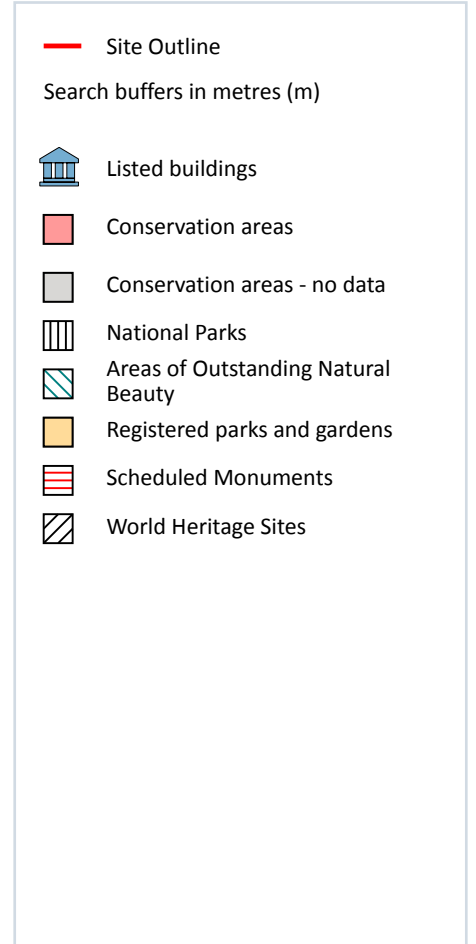
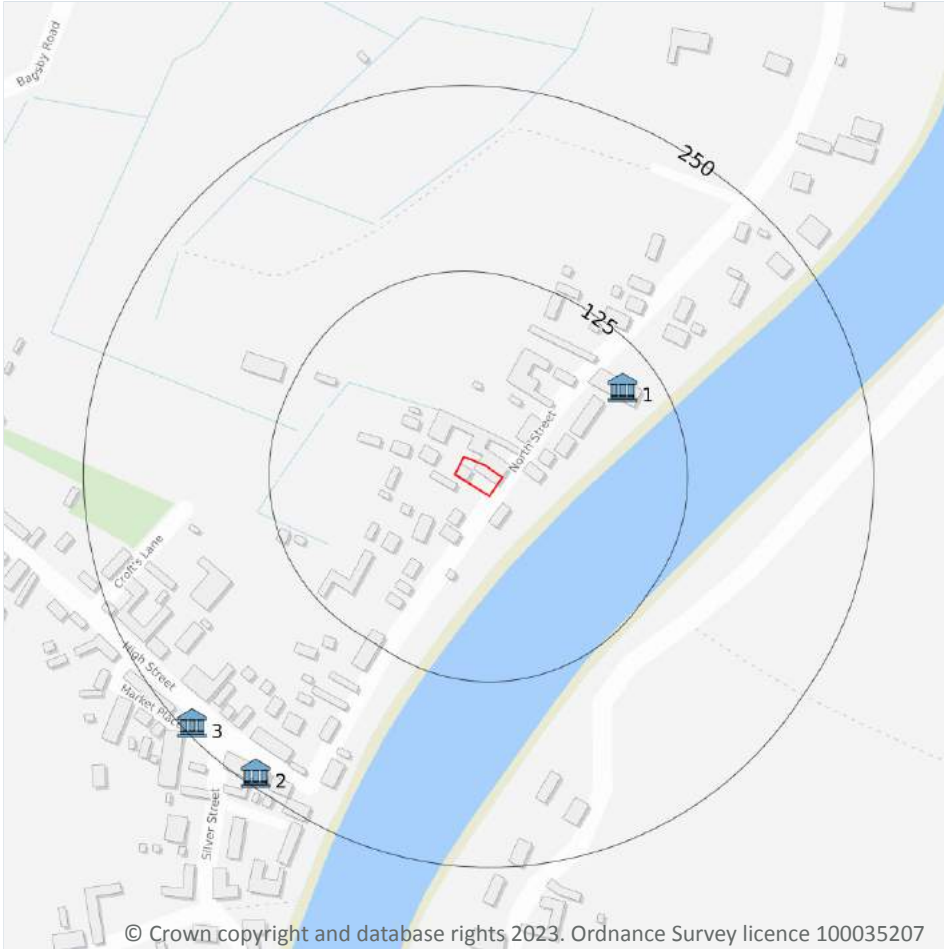
10.18 SSSI Units

| | |
|-----------------------------|----------|
| Records within 2000m | 0 |
|-----------------------------|----------|

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.

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**3**

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 73 >](#)

| ID | Location | Name | Grade | Reference Number | Listed date |
|----|----------|--|-------|------------------|-------------|
| 1 | 102m NE | The Malt Kiln, Including Former Maltster's Cottage | II | 1083226 | 10/09/1987 |
| 2 | 242m SW | Bradleigh (Incorporating Trentcrafts Printers) | II | 1083223 | 10/09/1987 |
| 3 | 243m SW | Lamp Standard Approximately 12 Metres North Of Number 10 | II | 1083225 | 27/09/1951 |

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



11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

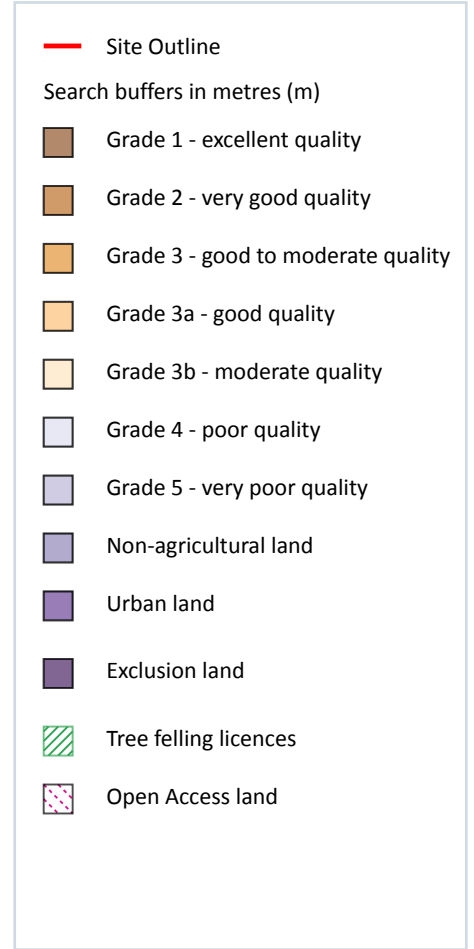
Records within 250m

0

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

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

12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

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 76](#) >

| ID | Location | Classification | Description |
|----|----------|----------------|--|
| 1 | On site | Grade 1 | Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality. |

| ID | Location | Classification | Description |
|----|----------|----------------|--|
| 3 | 76m SE | Grade 1 | Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality. |
| 4 | 117m W | Grade 1 | Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality. |

This data is sourced from Natural England.

12.2 Open Access Land

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

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.

Features are displayed on the Agricultural designations map on [page 76 >](#)

| ID | Location | Name | Classification | Other relevant legislation |
|----|----------|------------|---|----------------------------|
| 5 | 222m N | Croft Mere | Section 4 Conclusive Registered Common Land | - |

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

12.3 Tree Felling Licences

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

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

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

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.



This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

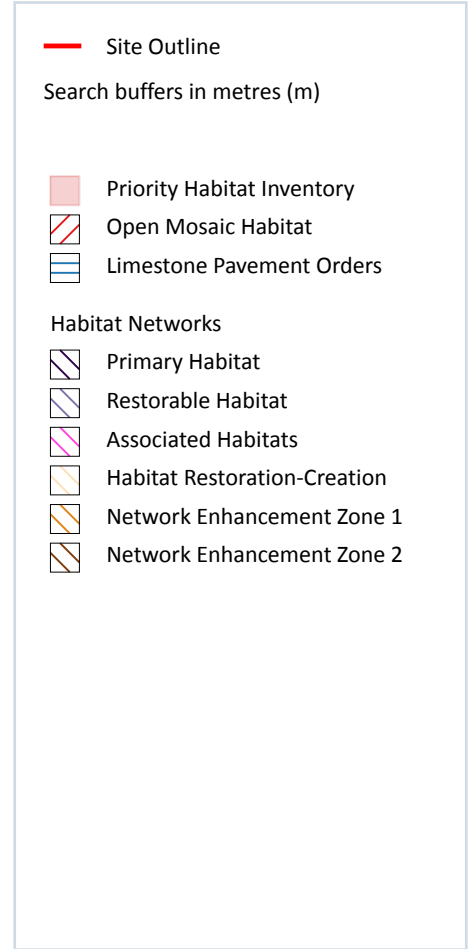
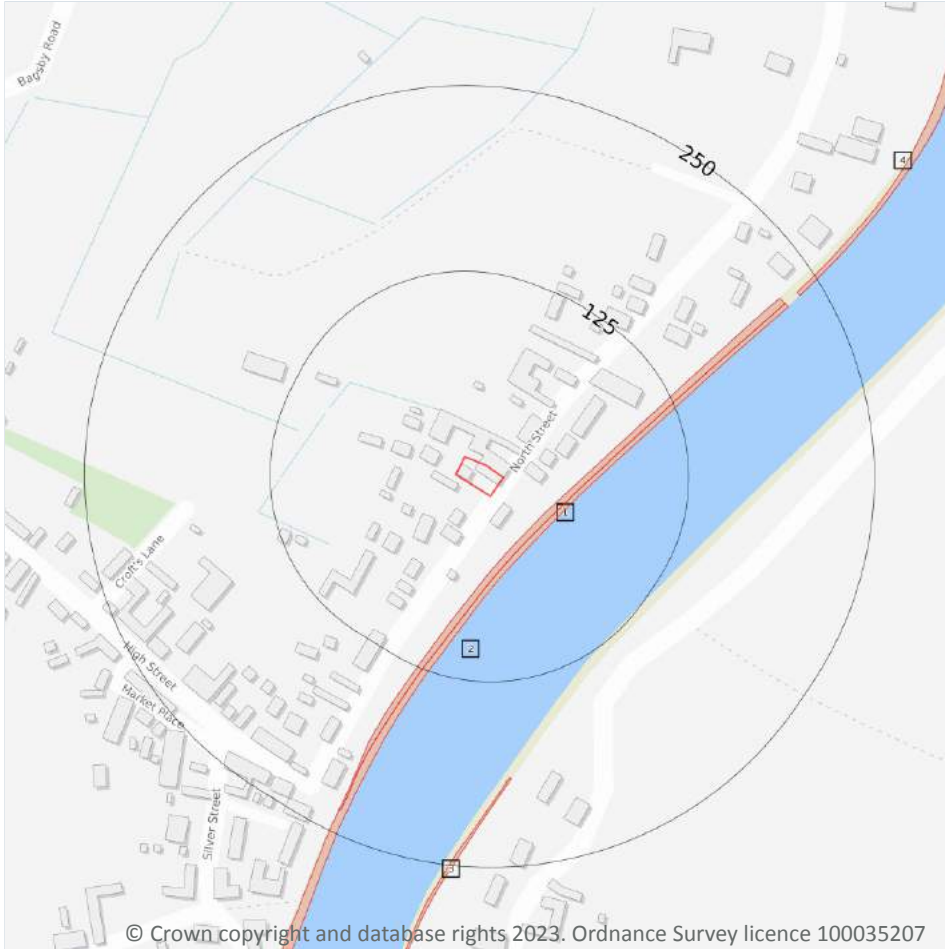
0

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

4

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 79](#) >

| ID | Location | Main Habitat | Other habitats |
|----|----------|---|---------------------------------|
| 1 | 34m SE | Mudflats | Main habitat: MUDFL (INV > 50%) |
| 2 | 39m SE | Mudflats | Main habitat: MUDFL (INV > 50%) |
| 3 | 190m S | Mudflats | Main habitat: MUDFL (INV > 50%) |
| 4 | 234m NE | No main habitat but additional habitats present | Additional: MUDFL (INV 50%) |

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

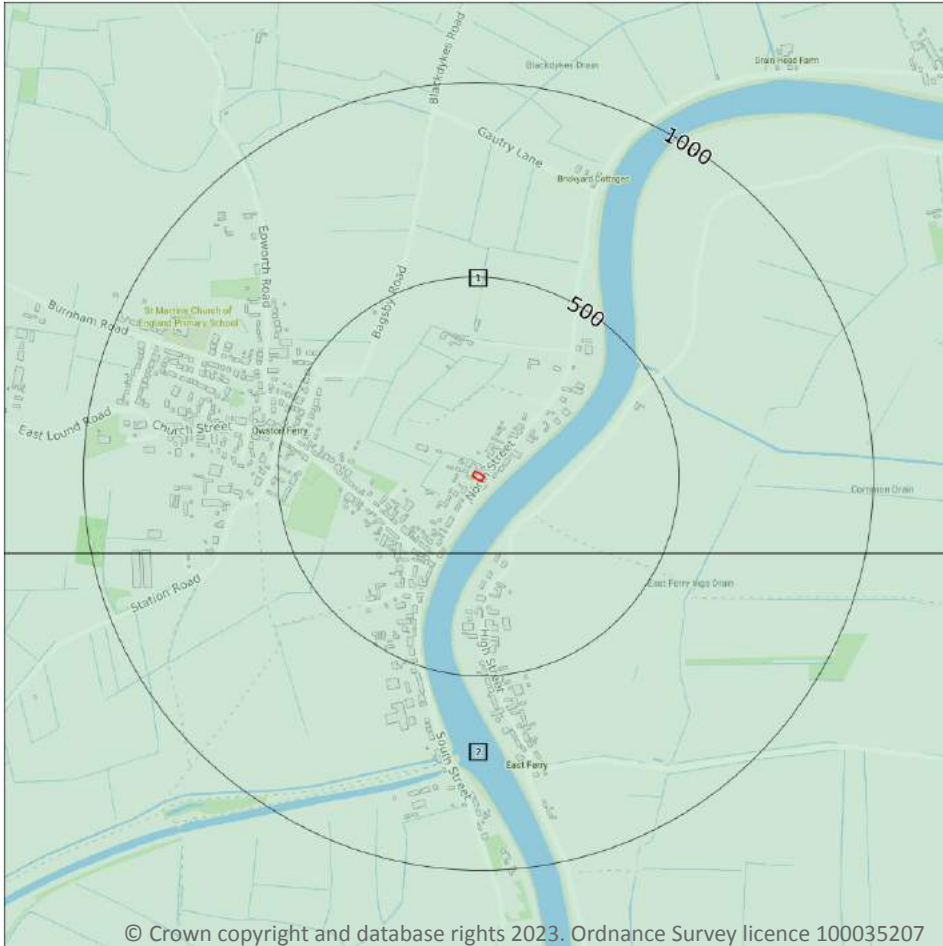
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

2

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 81](#) >

| ID | Location | Artificial | Superficial | Bedrock | Mass movement | Sheet No. |
|----|----------|-------------|-------------|---------|---------------|-----------|
| 1 | On site | No coverage | Full | Full | No coverage | SE80SW |
| 2 | 185m S | No coverage | Full | Full | No coverage | SK89NW |

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

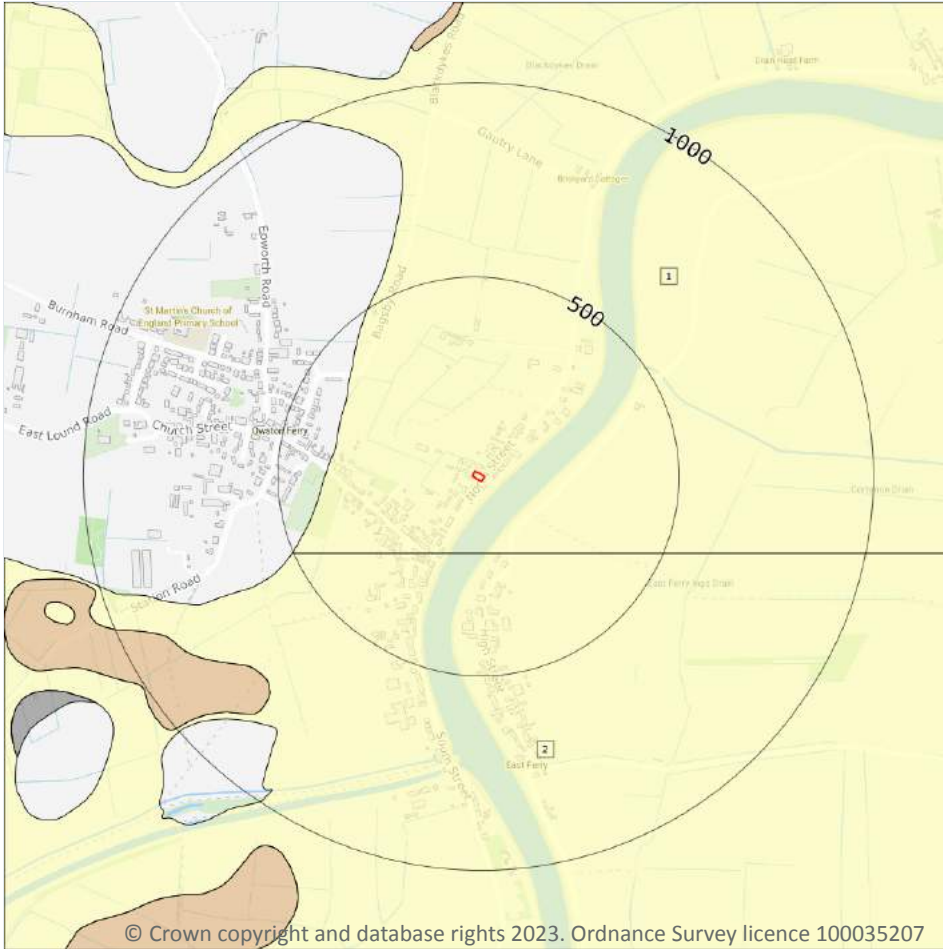
0

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.

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

2

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 83](#) >

| ID | Location | LEX Code | Description | Rock description |
|----|----------|-----------|--|-----------------------------|
| 1 | On site | ALV-XCZSV | Alluvium - Clay, Silt, Sand And Gravel | Clay, Silt, Sand And Gravel |
| 2 | 185m S | 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

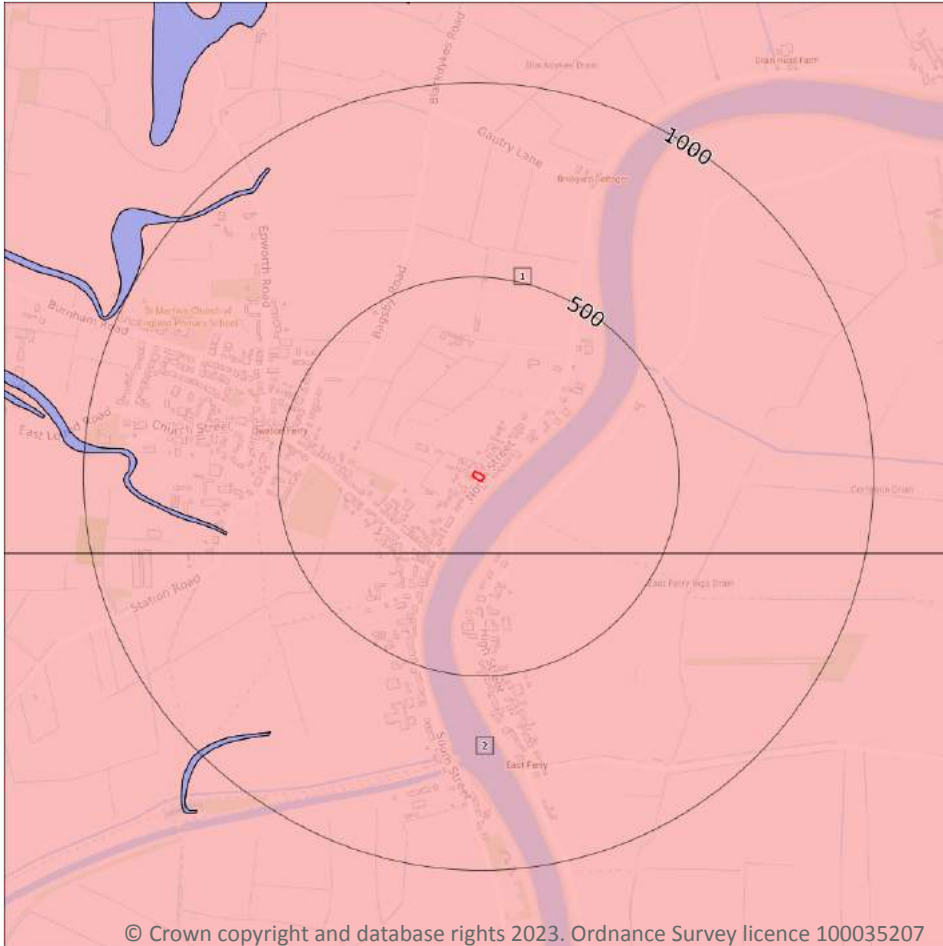
0

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

2

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 85 >](#)

| ID | Location | LEX Code | Description | Rock age |
|----|----------|----------|----------------------------------|-------------------------------------|
| 1 | On site | MMG-MDST | Mercia Mudstone Group - Mudstone | Rhaetian Age - Early Triassic Epoch |
| 2 | 185m S | MMG-MDST | Mercia Mudstone Group - Mudstone | Rhaetian Age - Early Triassic Epoch |

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

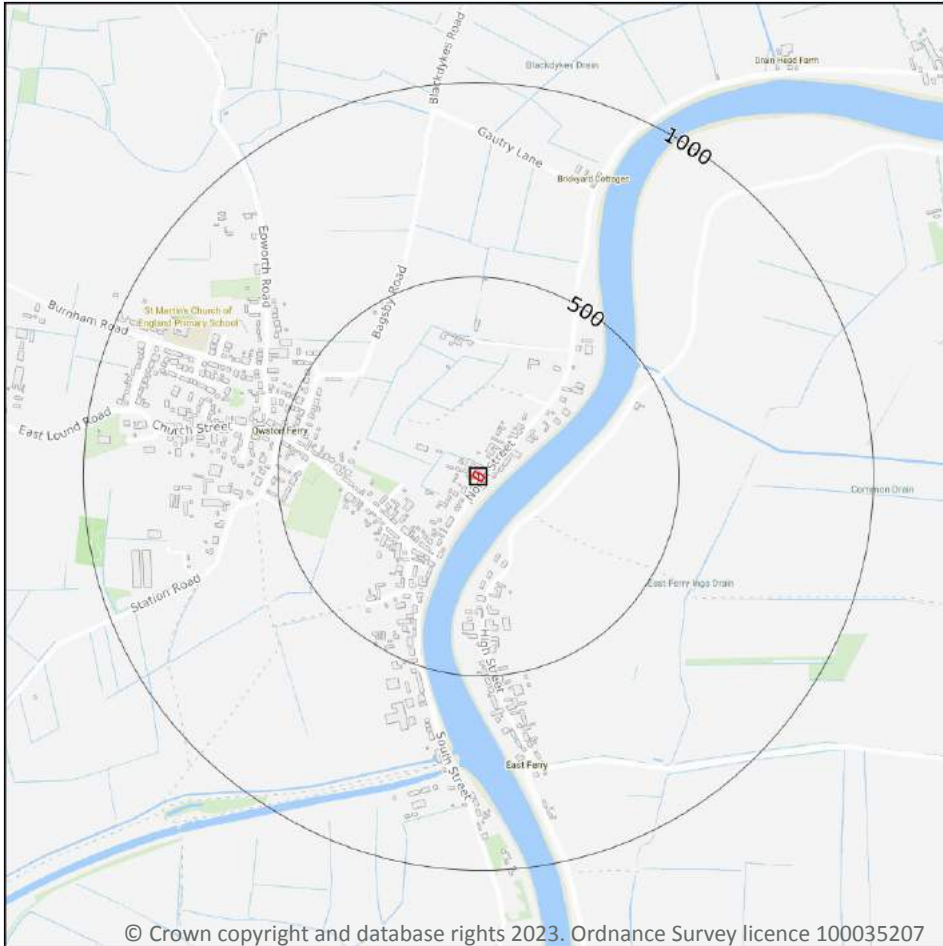
0

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 87](#) >

| ID | Location | Artificial | Superficial | Bedrock | Mass movement | Sheet No. |
|----|----------|-------------|-------------|---------|---------------|--------------------|
| 1 | On site | No coverage | Full | Full | No coverage | EW088_doncaster_v4 |

This data is sourced from the British Geological Survey.

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

15.2 Artificial and made ground (50k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

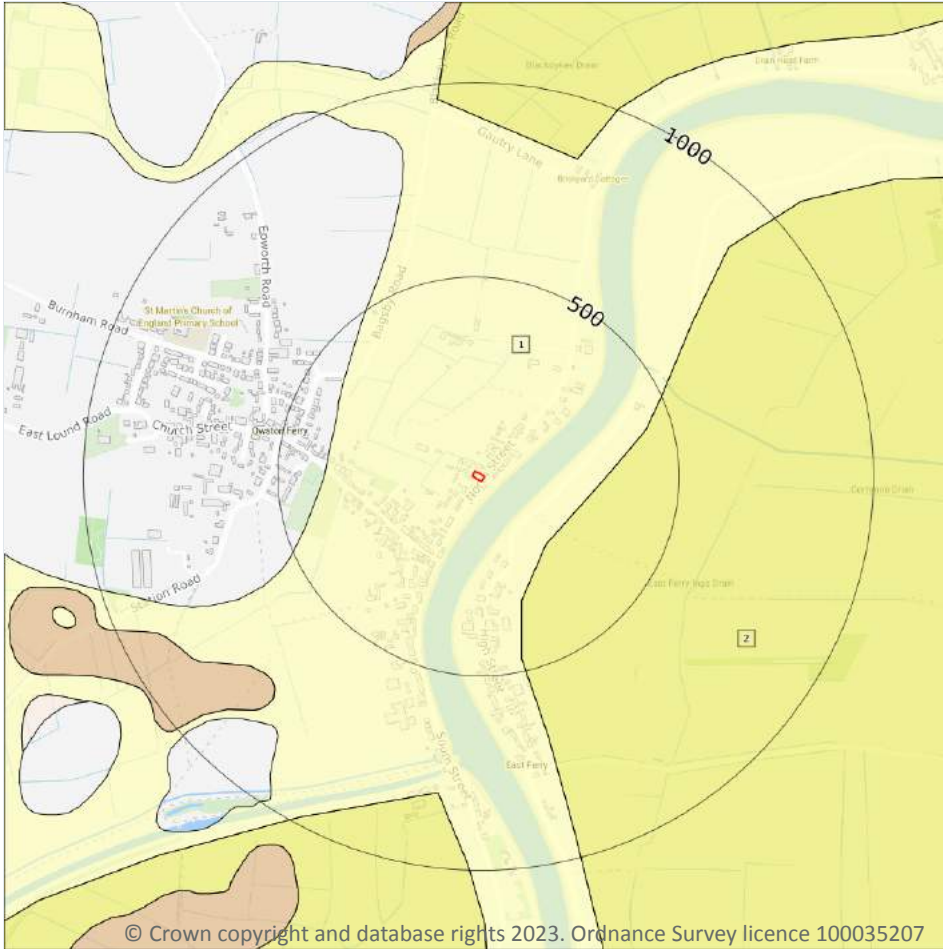
0

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

2

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 89](#) >

| ID | Location | LEX Code | Description | Rock description |
|----|----------|-----------|-------------|-----------------------------|
| 1 | On site | ALV-XCZSV | ALLUVIUM | CLAY, SILT, SAND AND GRAVEL |
| 2 | 232m SE | WARP-XCZ | WARP | CLAY AND SILT |

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 | High | 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)

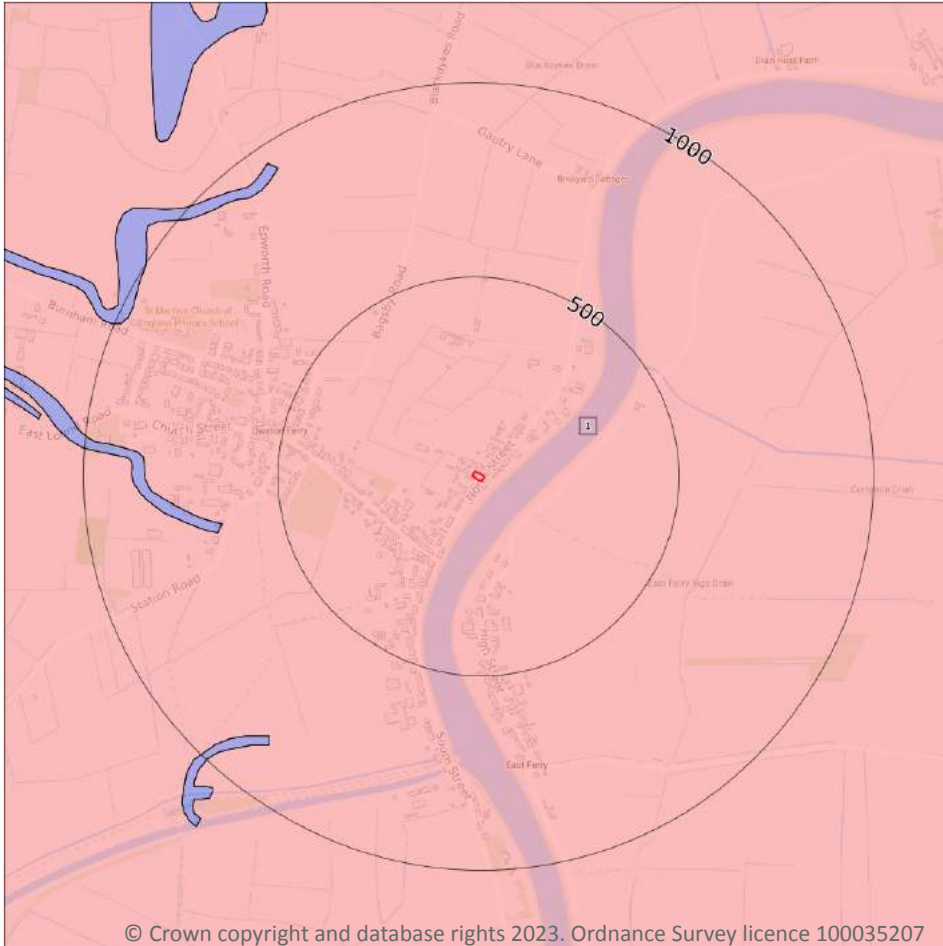
Records within 50m**0**

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.

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15.8 Bedrock geology (50k)

Records within 500m

1

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 91](#) >

| ID | Location | LEX Code | Description | Rock age |
|----|----------|----------|----------------------------------|----------|
| 1 | On site | MMG-MDST | MERCIA MUDSTONE GROUP - MUDSTONE | - |

This data is sourced from the British Geological Survey.

15.9 Bedrock 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 bedrock (the zone between the land surface and the water table).

| Location | Flow type | Maximum permeability | Minimum permeability |
|----------|-----------|----------------------|----------------------|
| On site | Fracture | Low | Low |

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

16.1 BGS Boreholes

Records within 250m

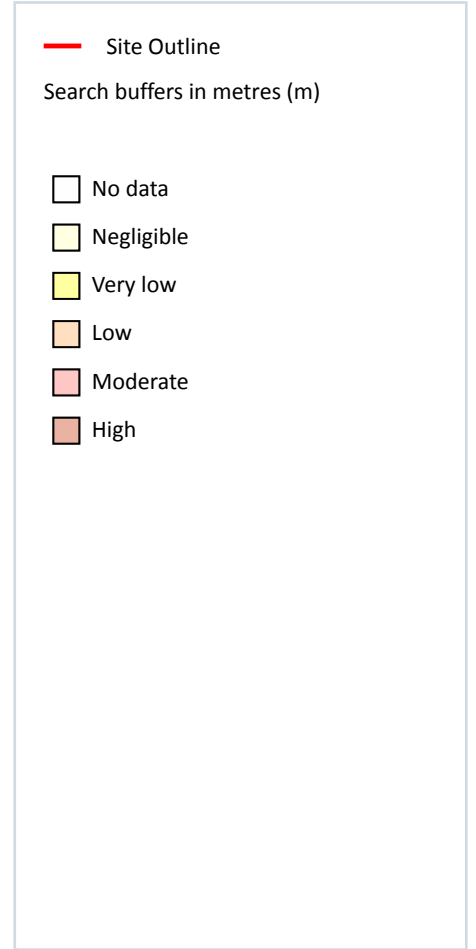
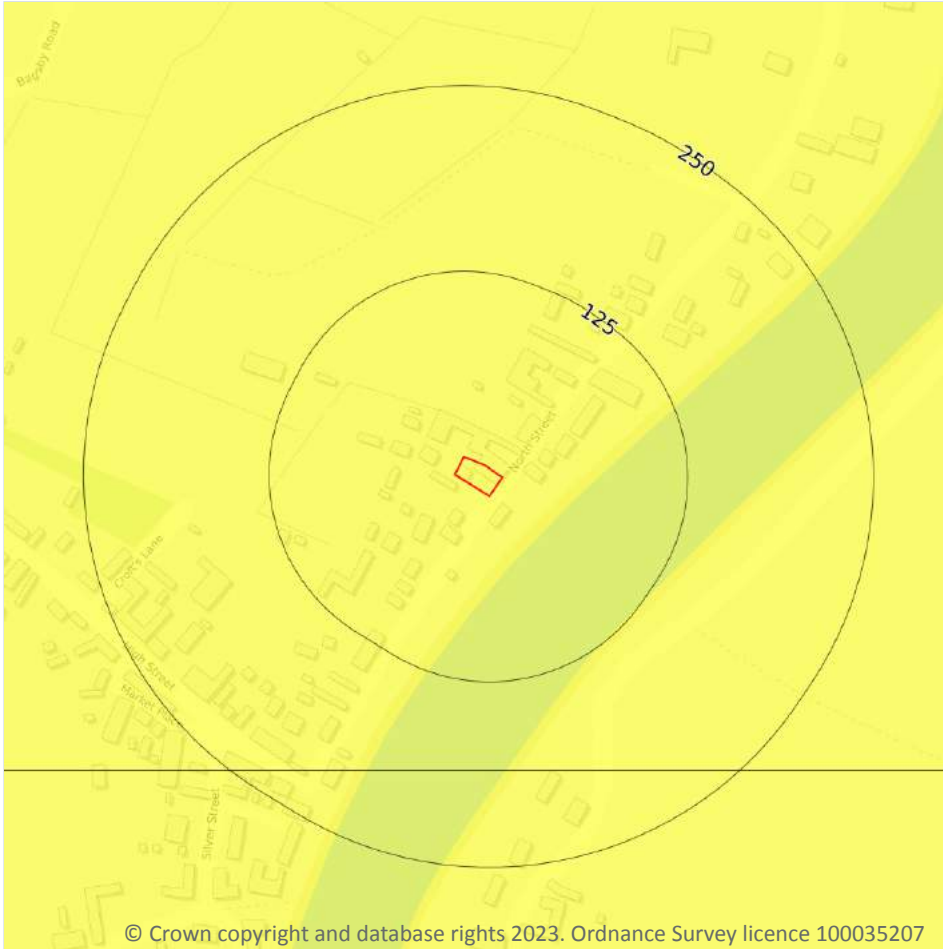
0

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.

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

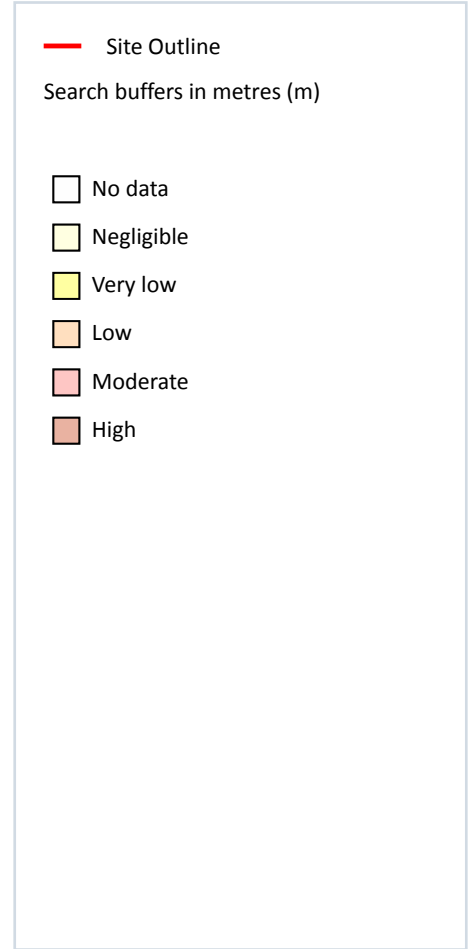
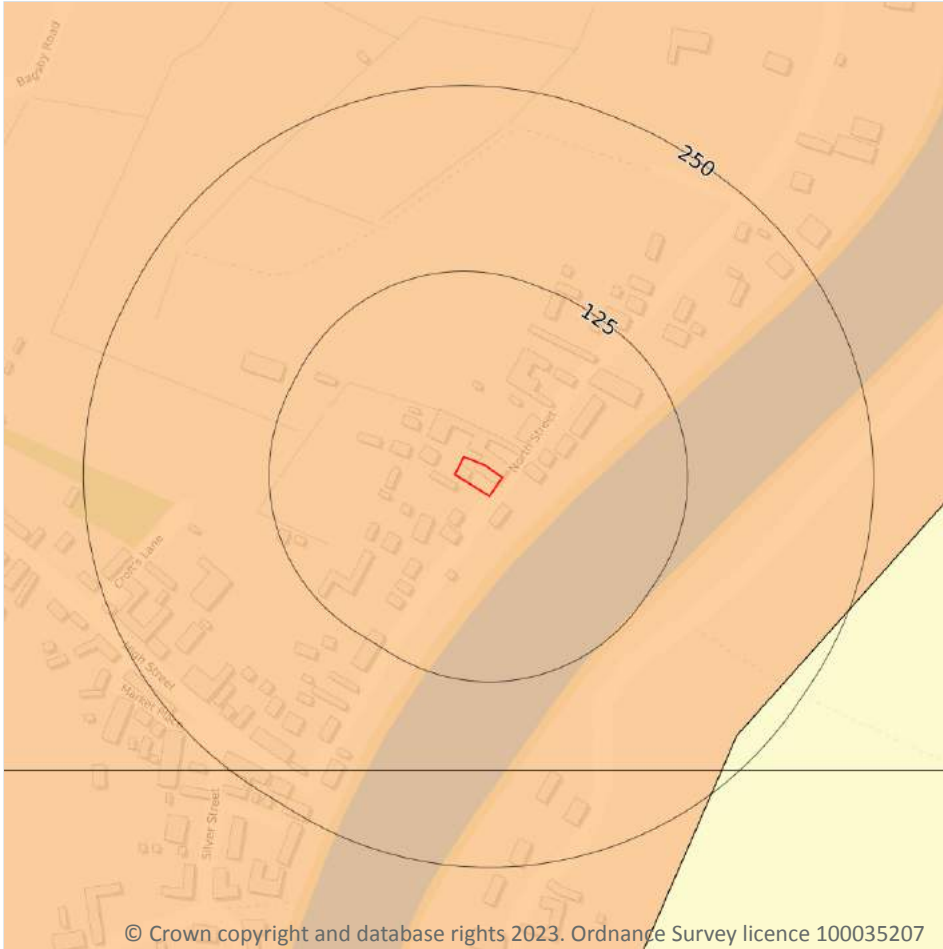
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 94 >](#)

| Location | Hazard rating | Details |
|----------|---------------|---|
| On site | Very low | Ground conditions predominantly low plasticity. |

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



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 95](#) >

| Location | Hazard rating | Details |
|----------|---------------|--|
| On site | Low | Running sand conditions may be 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



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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 96 >](#)

| 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



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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 97 >](#)

| 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 98](#) >

| 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



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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 99](#)

| 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

0

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.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

0

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.

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

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

0

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.

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

1

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

| Location | Details |
|----------|---|
| On site | Whilst outside of an area where The Coal Authority have information on coal mining activities, Johnson Poole & Bloomer (JPB) may have information such as mining plans and maps held within their archive that have occurred within 1km of this property. Please note, the plans held by JPB may also relate to non-mining records. Further details and a quote for services (if appropriate) can be obtained by emailing this report to enquiries.gs@jpb.co.uk . |

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.

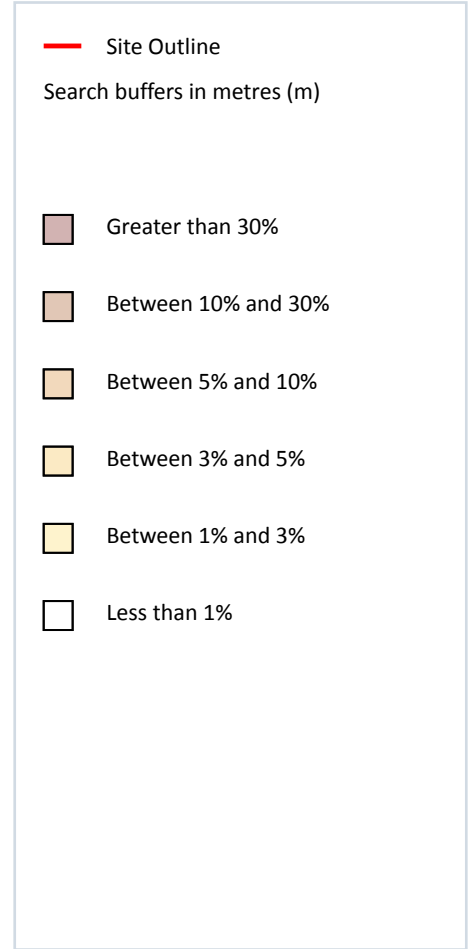
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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



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 107](#) >

| 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

2

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 | 90 - 120 mg/kg | 30 - 45 mg/kg |
| 42m E | 15 - 25 mg/kg | No data | 100 mg/kg | 60 mg/kg | 1.8 mg/kg | 90 - 120 mg/kg | 30 - 45 mg/kg |

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per 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 0

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.

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m 0

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



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 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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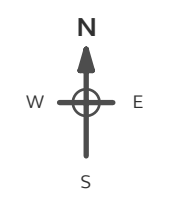
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Grid Ref: 481441, 400197

Map Name: County Series

Map date: 1886

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Printed at: 1:2,500



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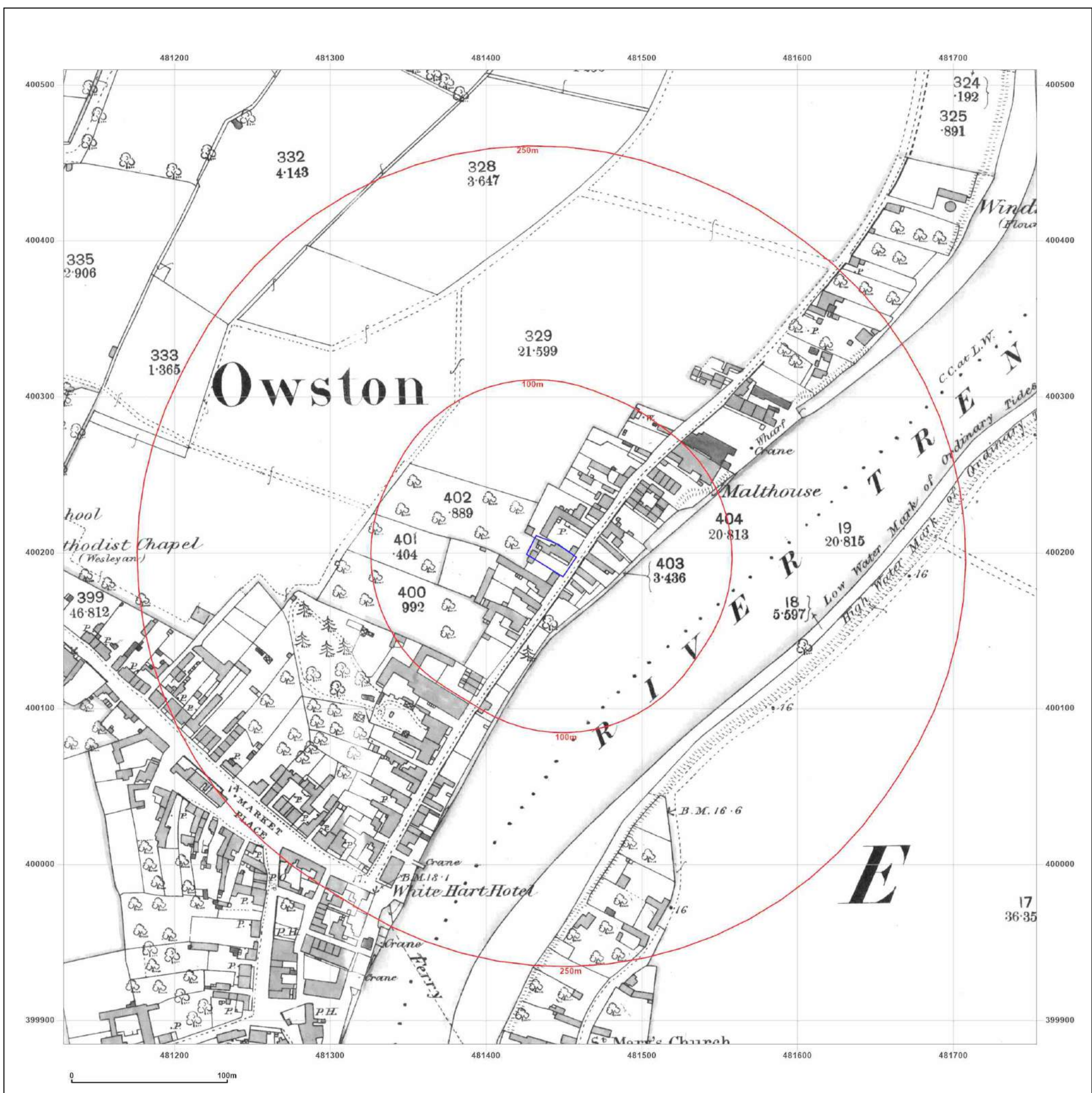


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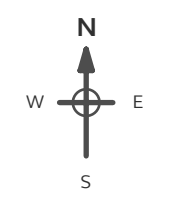
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Grid Ref: 481441, 400197

Map Name: County Series

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Scale: 1:2,500

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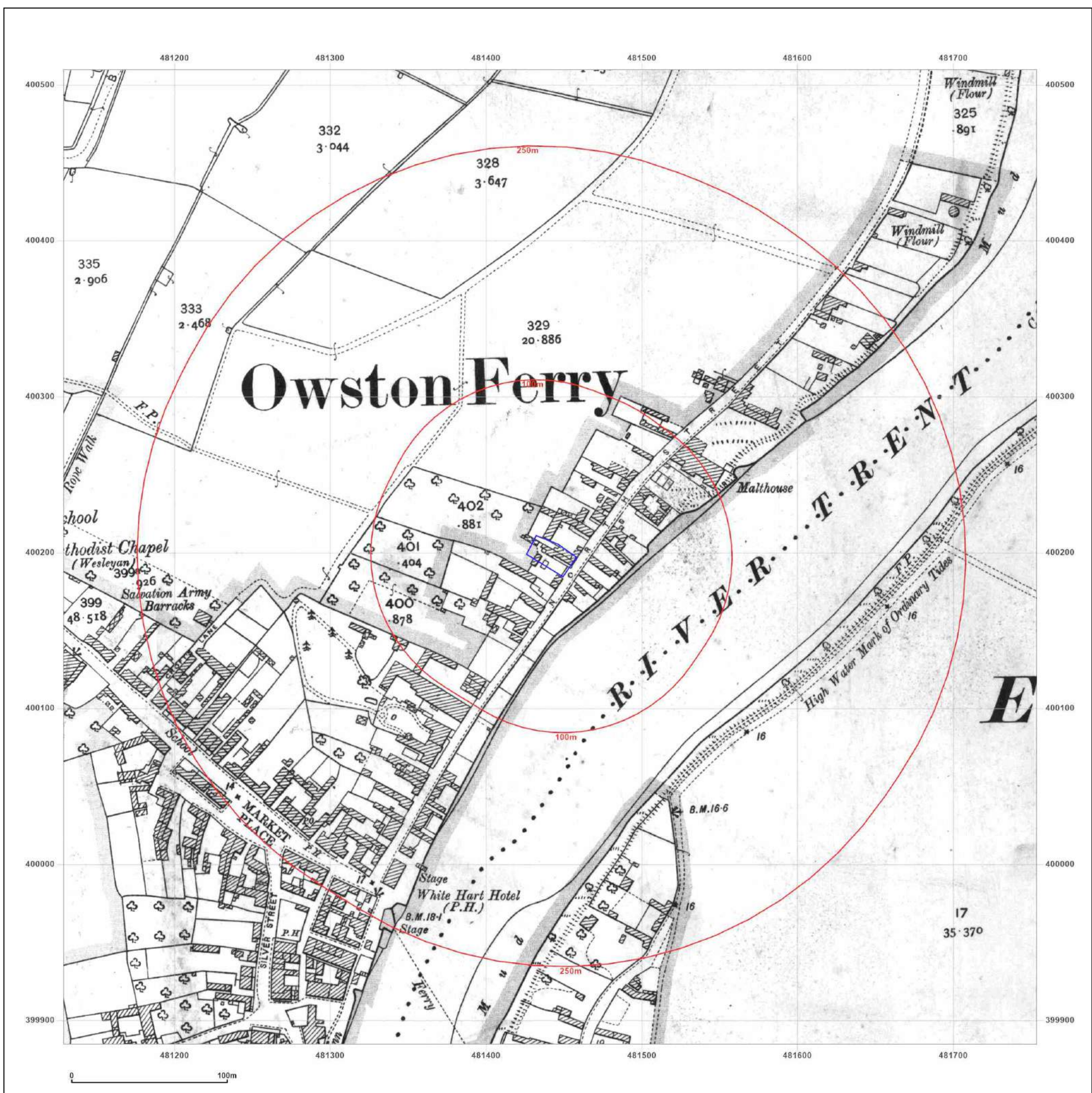


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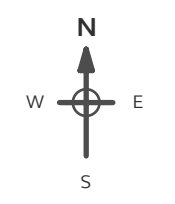
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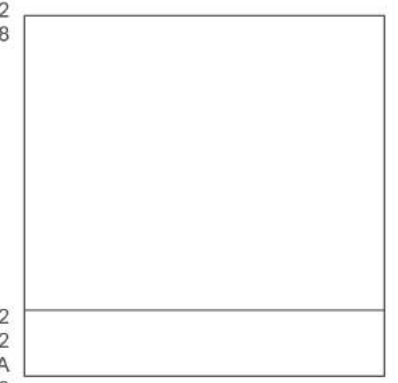
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Scale: 1:2,500

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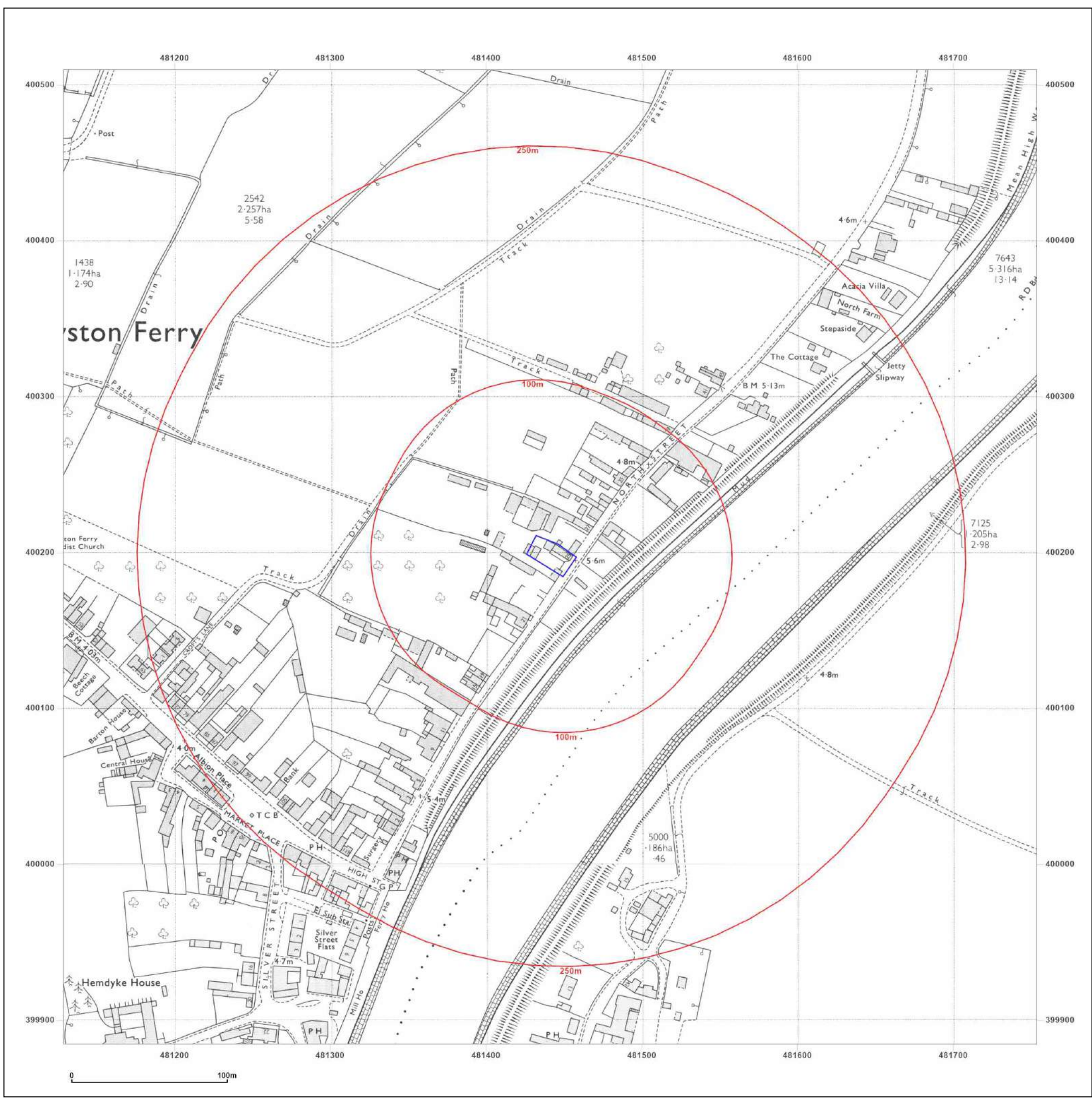


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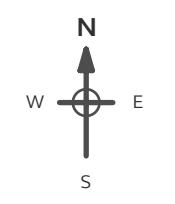
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Grid Ref: 481441, 400197

Map Name: National Grid

Map date: 1972-1973

Scale: 1:2,500

Printed at: 1:2,500



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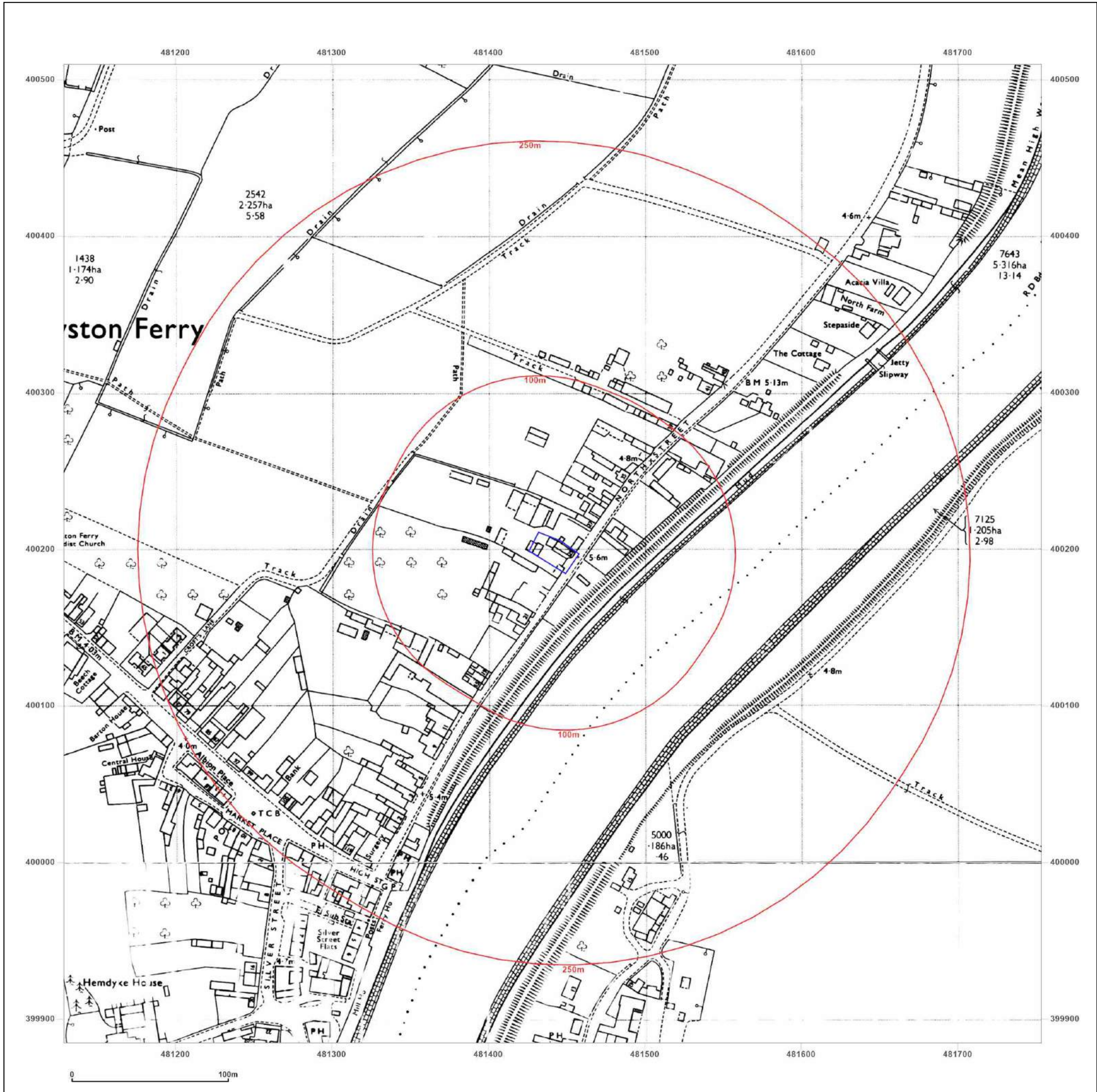


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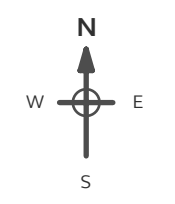
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Grid Ref: 481441, 400197

Map Name: National Grid

Map date: 1991-1992

Scale: 1:2,500

Printed at: 1:2,500



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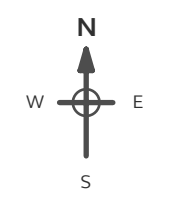
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Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500



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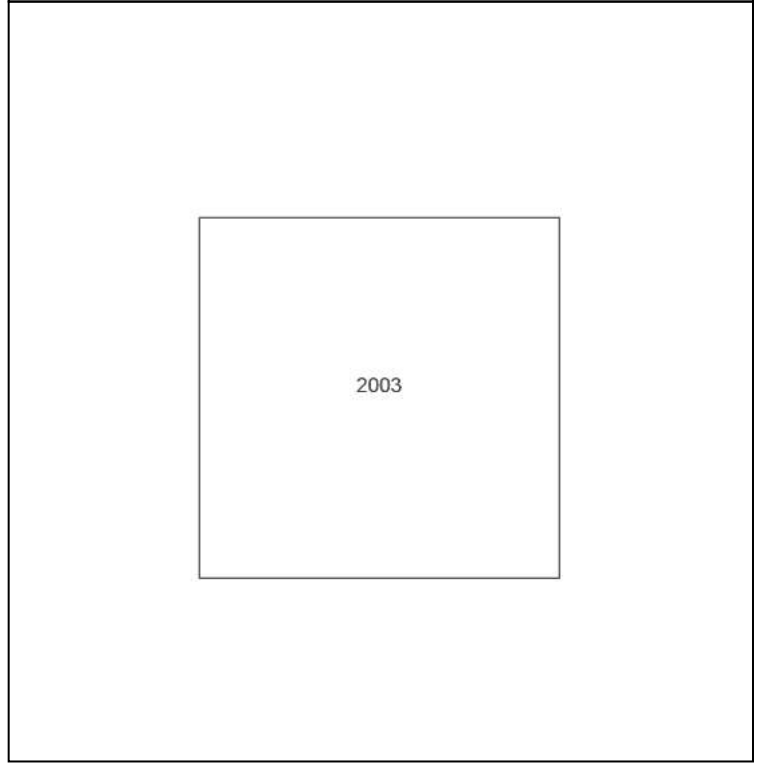
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Grid Ref: 481441, 400197

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

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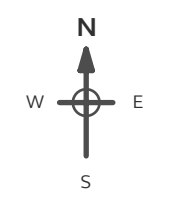
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Map Name: County Series

Map date: 1885-1886

Scale: 1:10,560

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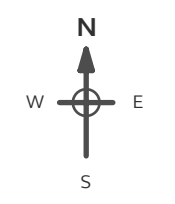
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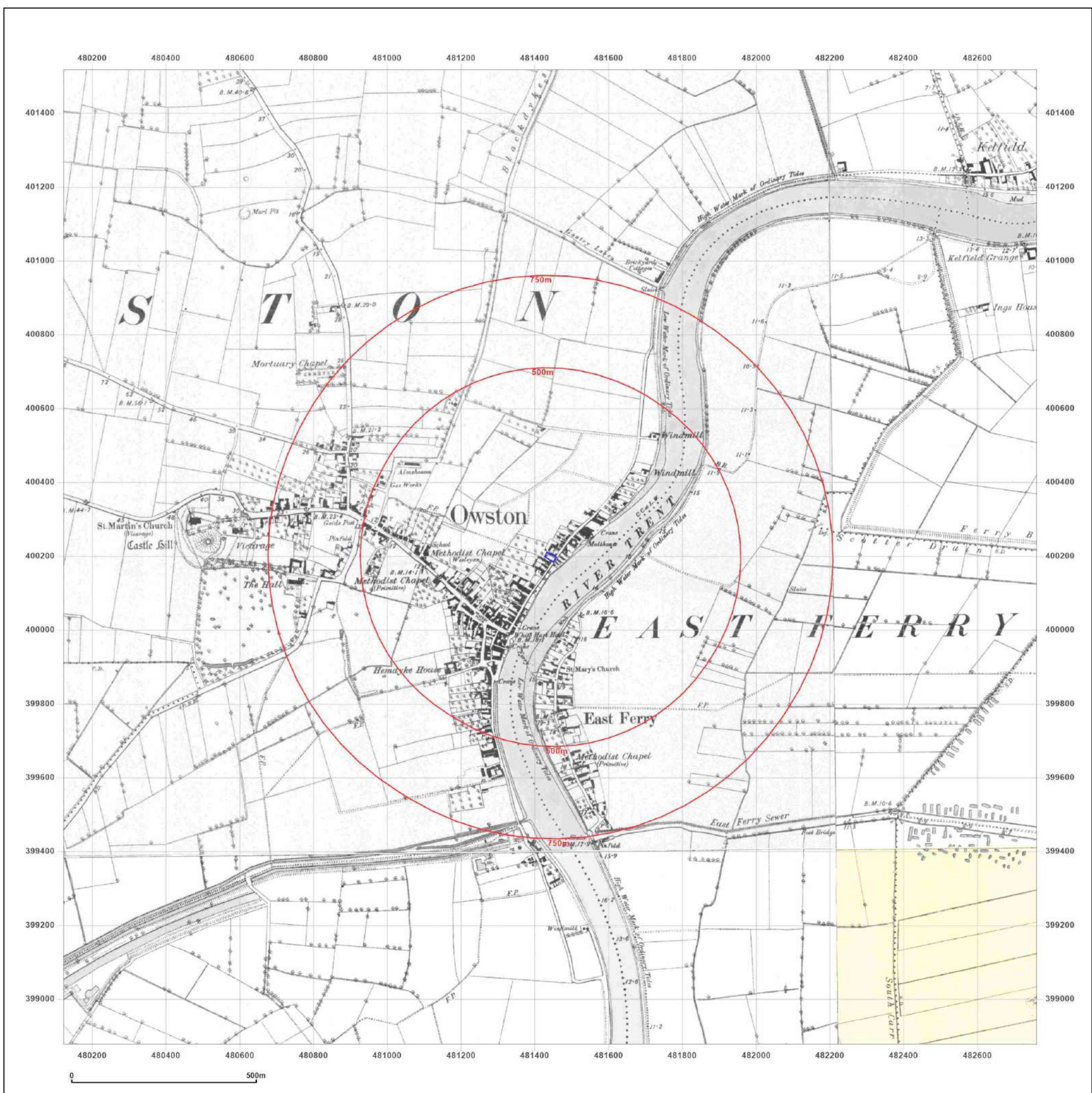


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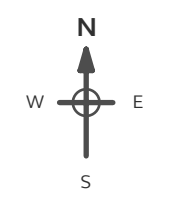
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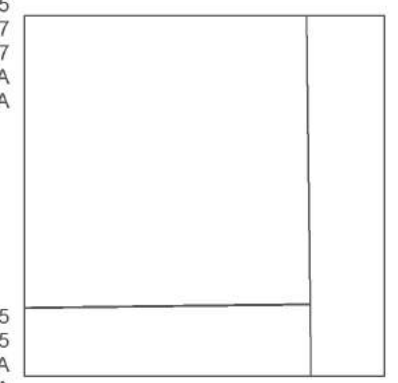
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Printed at: 1:10,560



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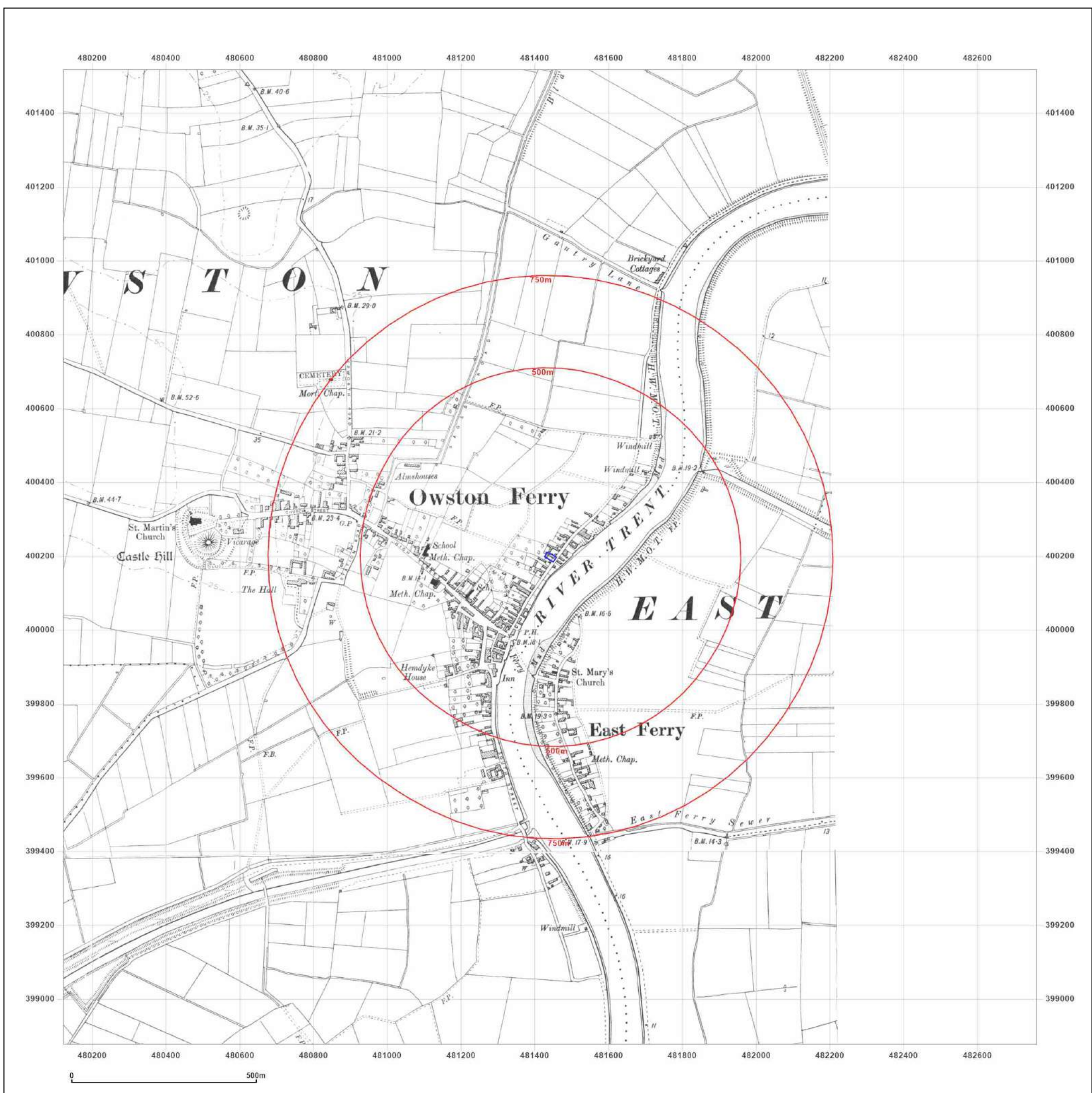


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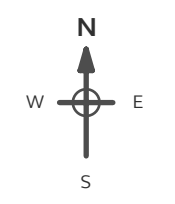
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Grid Ref: 481441, 400197

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



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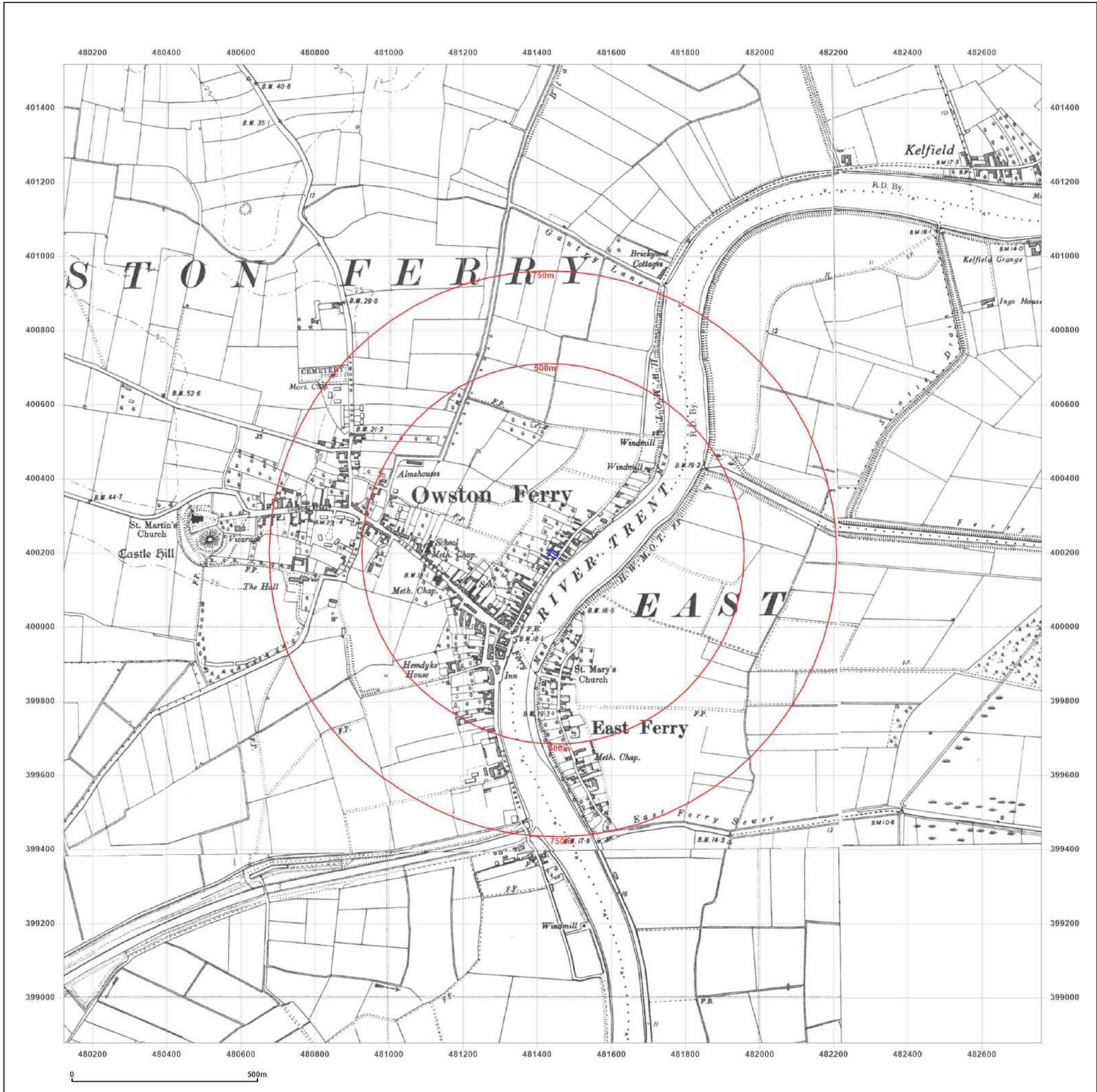


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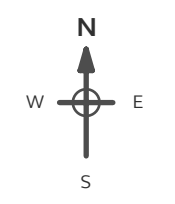
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Grid Ref: 481441, 400197

Map Name: Provisional

Map date: 1951

Scale: 1:10,560

Printed at: 1:10,560



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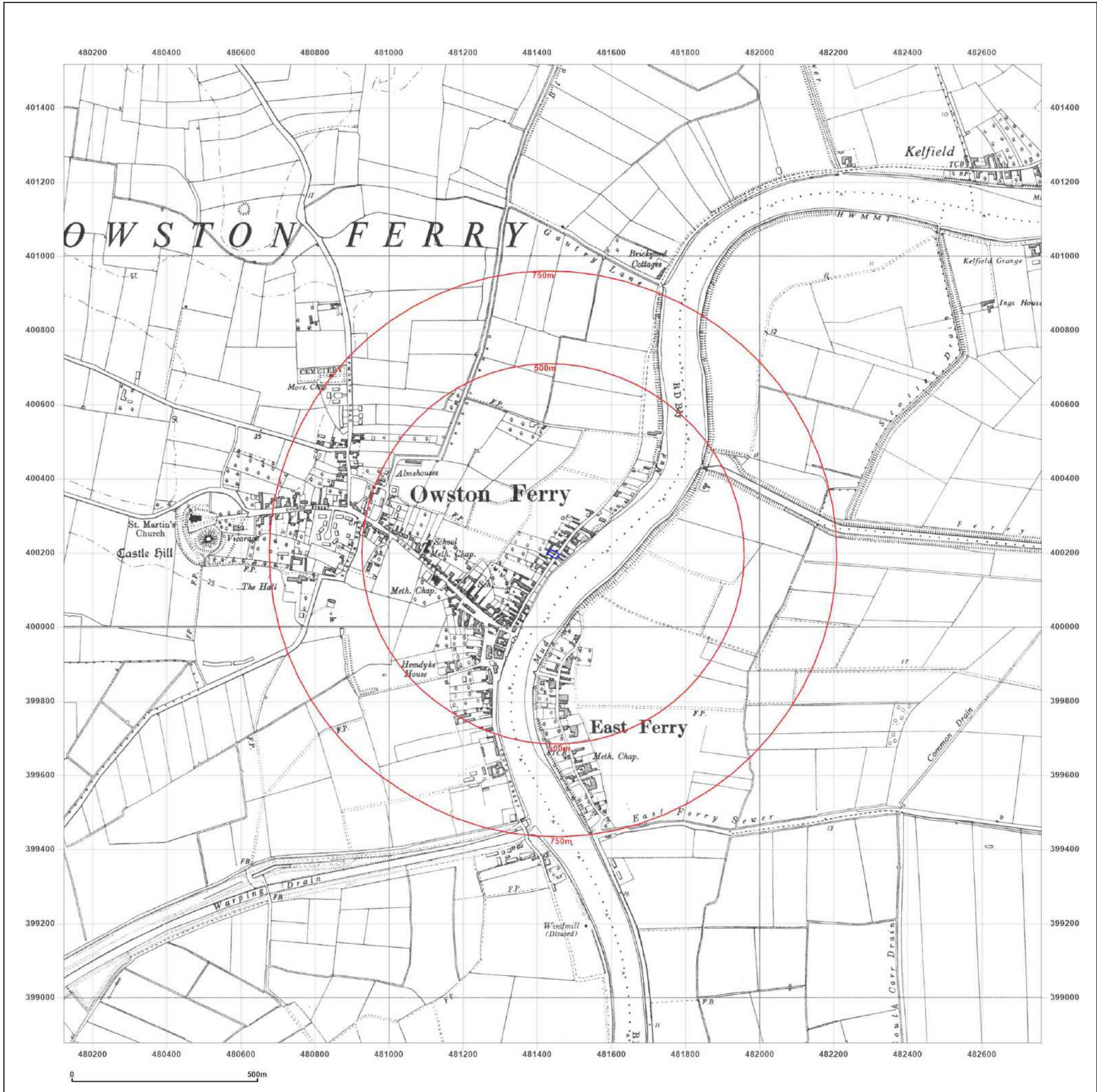


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Report Ref: GS-QBR-KCO-XKS-OTM
Grid Ref: 481441, 400197

Map Name: National Grid

Map date: 1978-1982

Scale: 1:10,000

Printed at: 1:10,000



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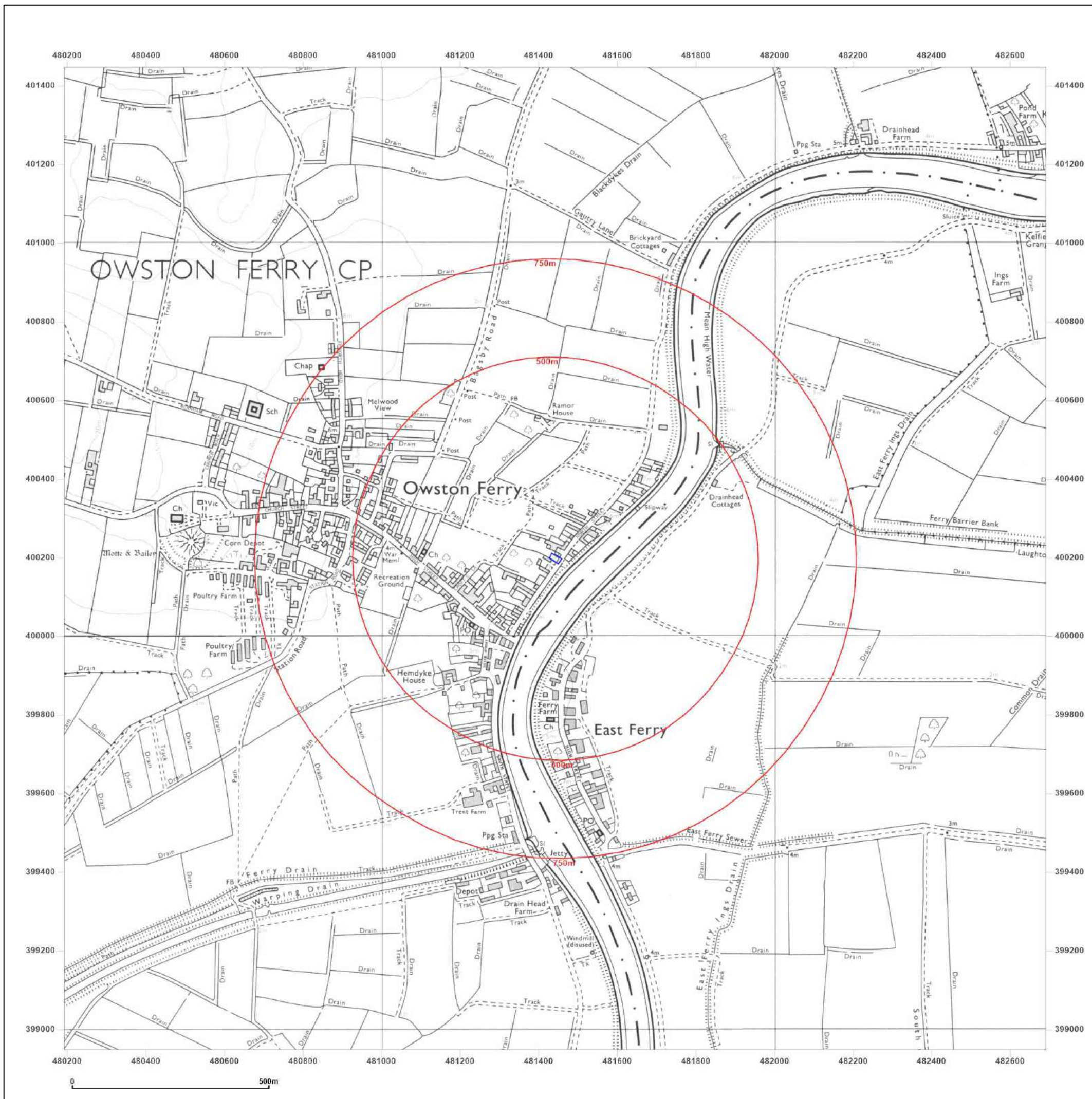


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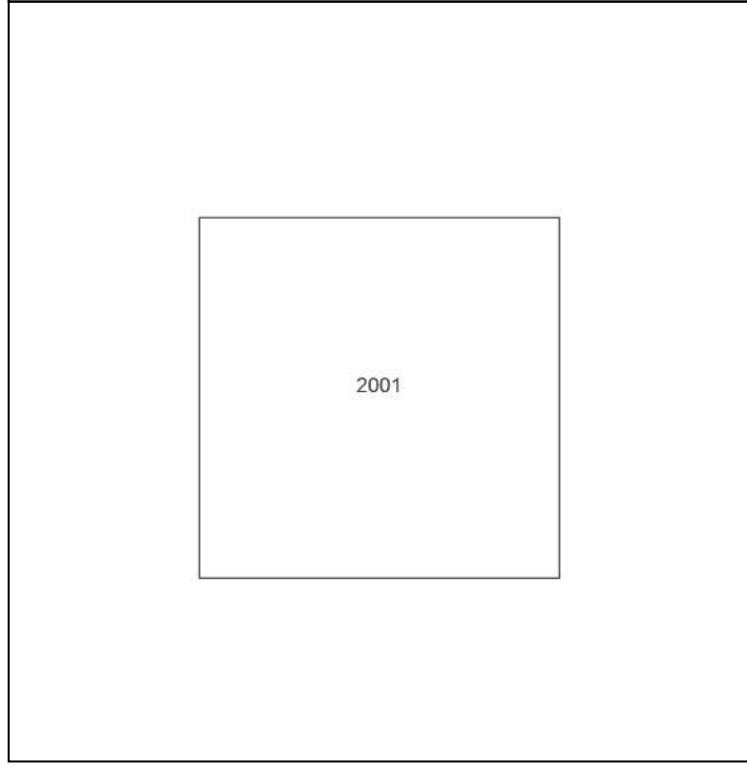
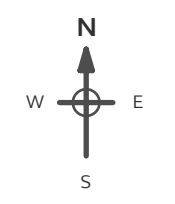
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Grid Ref: 481441, 400197

Map Name: National Grid

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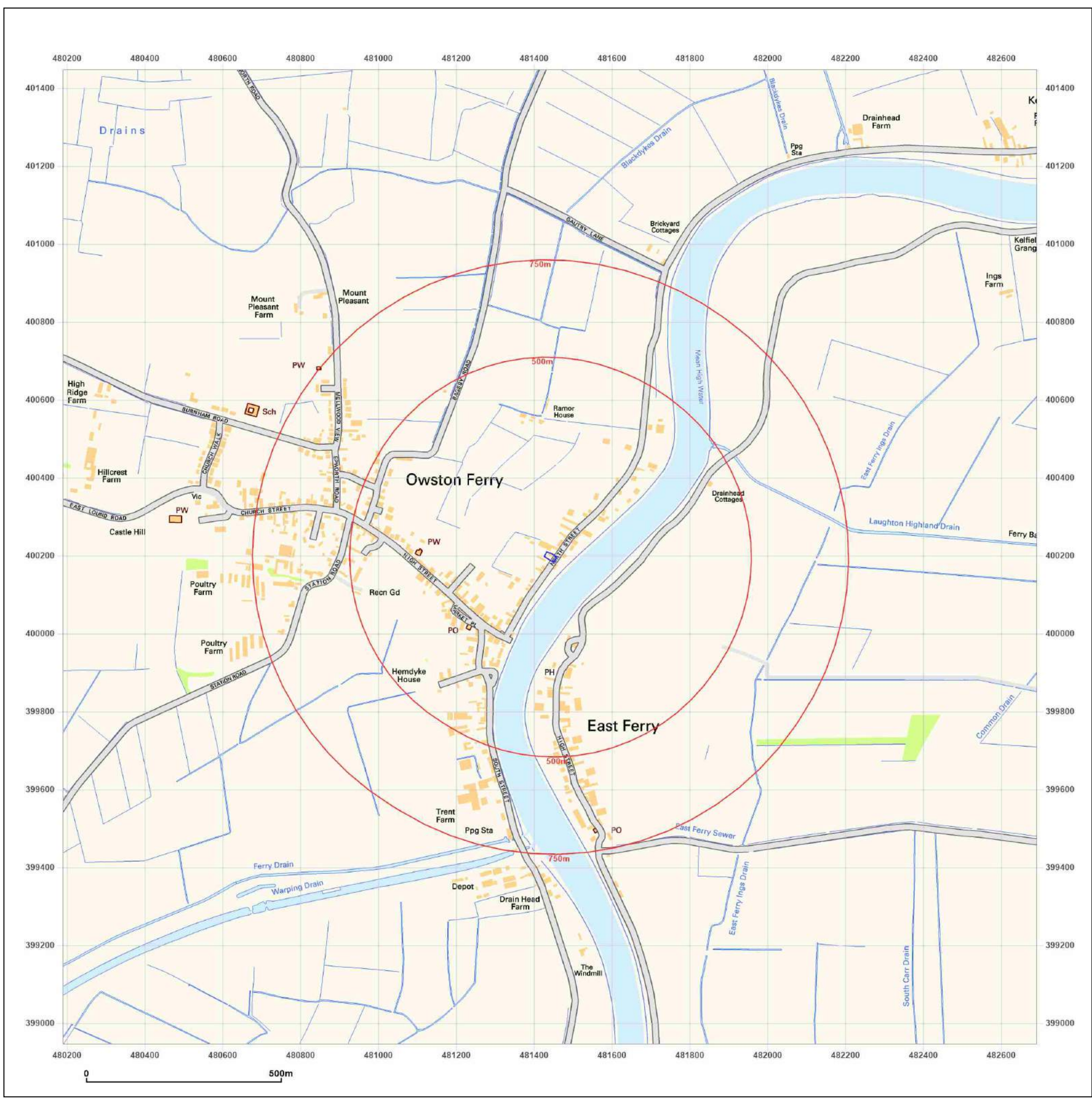


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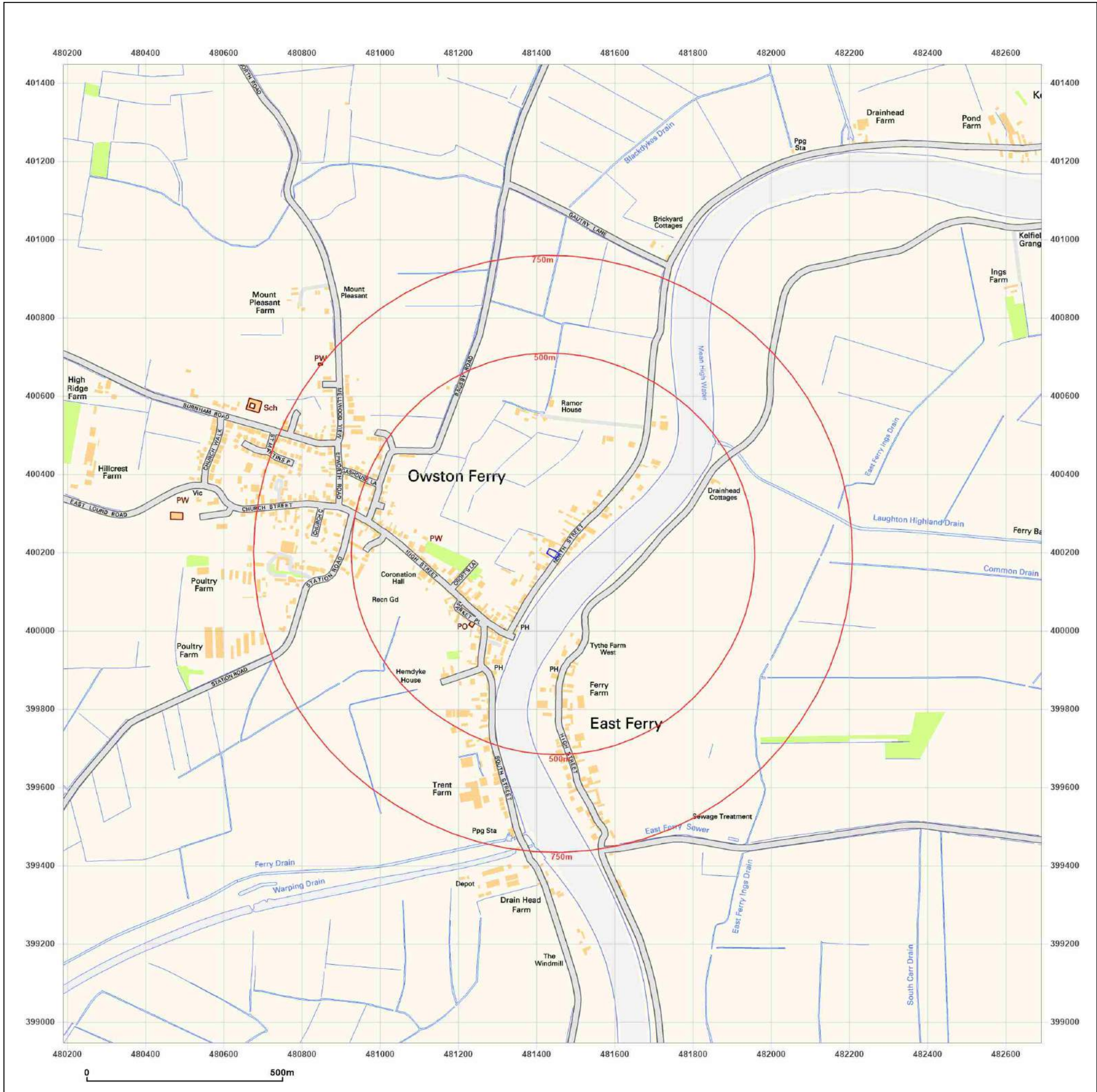
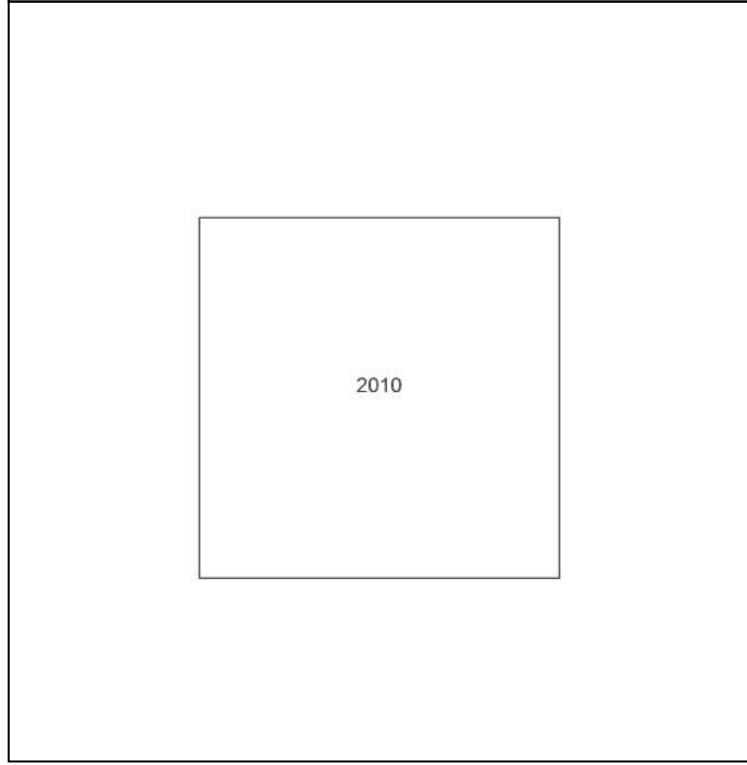
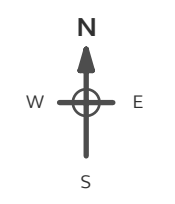
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Map Name: National Grid

Map date: 2010

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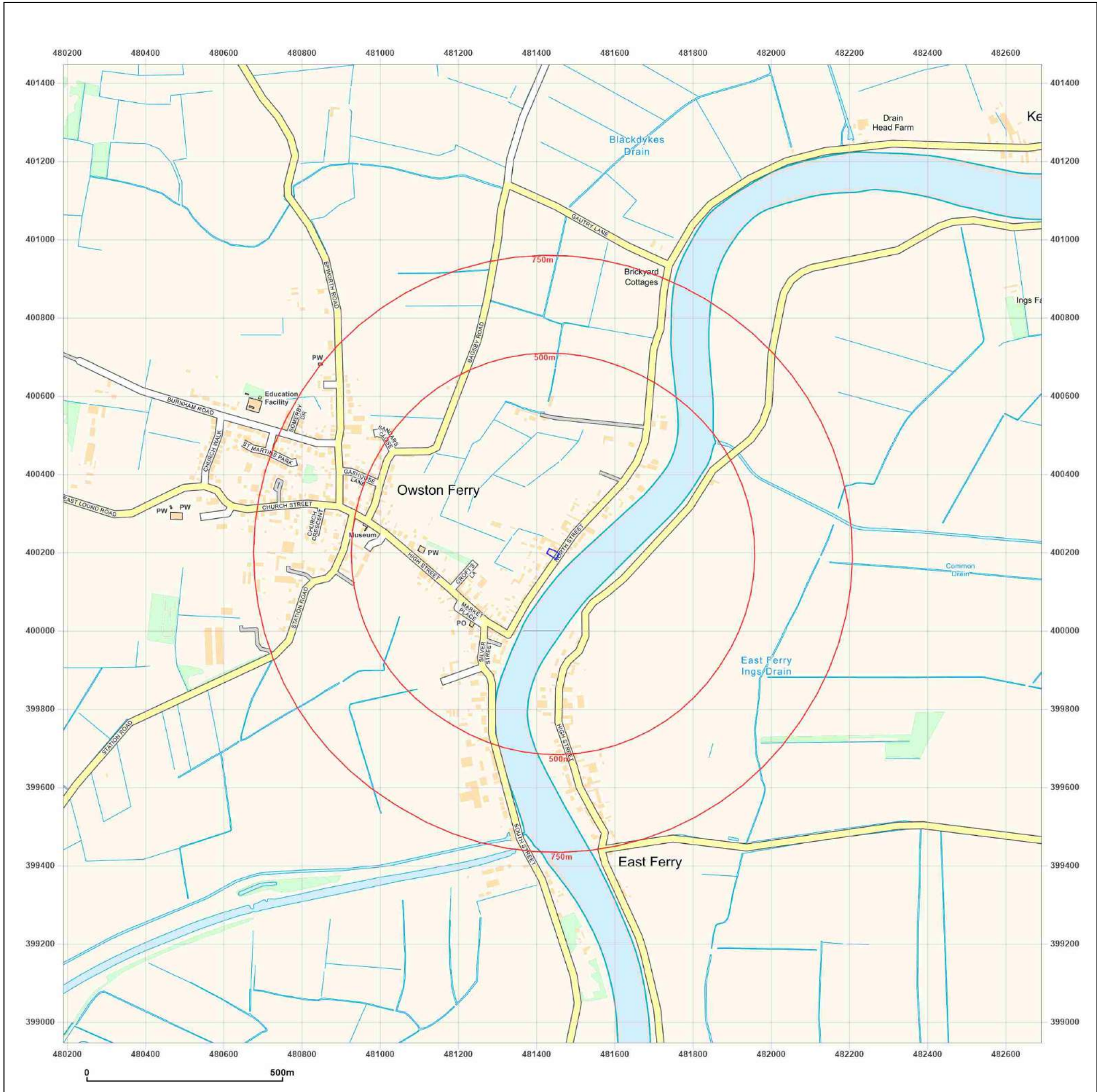
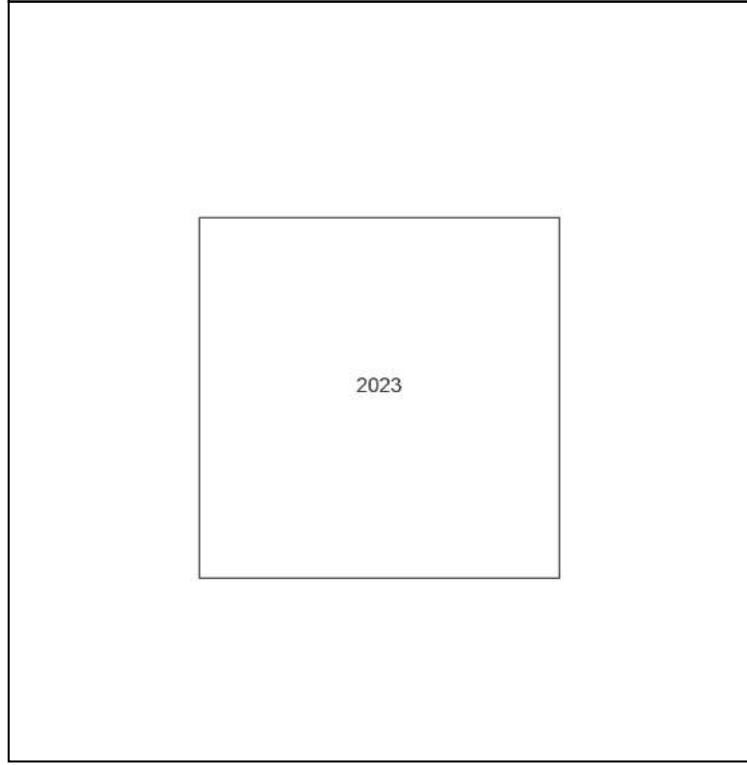
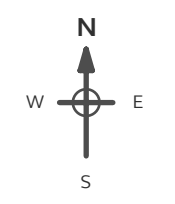
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Map Name: National Grid

Map date: 2023

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APPENDIX C

PHOTOGRAPHS



Project Number: C603

Project Name: Land at 25 North Street,
Owston Ferry

Client: Mrs Janine Bannard

Document Name: Site Walkover Photographs:
Photo 1 – Site view looking east, Photo 2 –
Site view looking north, Photo 3 – Eastern
former barn building.





Project Number: C603

Project Name: Land at 25 North Street,
Owston Ferry

Client: Mrs Janine Bannard

Document Name: Site Walkover Photographs:
Photo 4 – Site view looking north-west, Photo
5 – Interior view of northern building, Photo 6
– Interior view of western building.

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APPENDIX D

DEFINITIONS AND CLASSIFICATIONS OF RISK ASSESSMENT TERMINOLOGY

Definitions and Classifications of Risk Assessment Terminology.

Probability

Probability can be defined as the chance of a particular event occurring in a given period of time.

Descriptions of each of the four qualitative terms to be used in this report to describe the perceived probability of any identified pollutant linkage becoming realised are shown below in Table W.

| Term | Description |
|------------------------|--|
| 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 pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term. |

Table W. Description of Probability Classifications

Severity

Severity (consequence) can be defined as the adverse effects (or harm) arising from a defined hazard, which impairs the quality of human health or the environment in the short or longer term.

Descriptions of each of the four qualitative terms to be used in this report to describe the perceived potential severity of any identified pollutant linkage becoming realised are shown below in Table X.

| Term | Description |
|---------------|--|
| 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". 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.</p> <p>Repairable effects of damage to buildings, structures and services.</p> |

Table X. Description of Severity Classifications

Once the severity and probability of a pollutant linkage has been determined the risk can be assessed using the risk matrix shown overleaf on Table Y.

Risk Matrix

By cross referencing the derived severity and probability in Table Y, below the perceived potential risk can be determined.

| | | Severity | | | |
|-------------|-----------------|---------------------|---------------------|---------------------|---------------------|
| | | Severe | Medium | Mild | Minor |
| Probability | High Likelihood | Very High Risk | High Risk | Moderate Risk | Moderate / 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 |

Table Y. Risk Assessment Matrix

The risk categories detailed above are defined below in the following Table Z.

| Term | Description |
|-----------------------|--|
| Very High Risk | There is a high probability that significant harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action. |
| High Risk | Significant harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action. |
| Moderate Risk | It is possible that without appropriate remedial action, harm could arise to a designated receptor but it is relatively unlikely that any such harm would be severe and if any harm were to occur, it is likely that such harm would be relatively mild. |
| Low Risk | It is possible that significant harm could arise to a designated receptor from an identified hazard but it is likely that at worst this harm if realised would normally be mild. |
| Very Low Risk | There is a low possibility that harm could arise to a receptor. In the event of such harm being realised, it is not likely to be severe. |

Table Z. Definition of Risk