

Donald Ward Limited

Site Condition and Baseline Report

Boulder Bridge Lane, Carlton, S71 3HJ

794-ENV-EPC-23680

V1 R2

05 June 2026



TETRA TECH

Tetra Tech London, 20 Farringdon Street, London, EC4A 4AB

Tetra Tech Consulting Limited. Registered in England: No.01470149

Registered Office: 101 Park Drive, Milton Park, Abingdon, Oxfordshire, England, OX14 4RY

Document status

Document status					
Version	Purpose of document	Authored by	Reviewed by	Approved by	Date
V1 R0	Draft Report	Alex Kingston	Jennifer Stringer		18/05/26
V1 R1	Draft Report	Alex Kingston	Jennifer Stringer		01/06/26
V1 R2	Final Report	Alex Kingston	Victoria Jones	Jennifer Stringer	05/06/26

Approval for issue		
Jennifer Stringer		05/06/26

This report was prepared by Tetra Tech within the terms of Tetra Tech engagement with its client and in direct response to a scope of services. This report is supplied for the sole and specific purpose for use by Tetra Tech's client. The report does not account for any changes relating the subject matter of the report, or any legislative or regulatory changes that have occurred since the report was produced and that may affect the report. Tetra Tech does not accept any responsibility or liability for loss whatsoever to any third party caused by, related to or arising out of any use or reliance on the report.

Prepared by	Prepared for
Tetra Tech	Donald Ward Limited
Alex Kingston, Environmental Consultant	Victoria Jones, Head of Environment and Sustainability
20 Farringdon Street, London, EC4A 4AB	
T: +44 (0)20 3691 0500	T: +44 (0) 345 337 0000
E: alex.kingston@tetrattech.com	E: vjones@ward.com

Table of contents

1.0	Introduction	1
1.1	Background	1
1.2	Key Objectives.....	2
1.3	Description of Permitted Activities	3
2.0	Application Site Condition Report.....	4
2.1	Application Phase	4
2.2	Site Condition Report Summary	5
3.0	Identify the Site's Environmental Setting	7
3.1	Site Setting and Sources of Desk Study Information	7
3.2	Ground Cover and Topography	7
3.3	Geology	7
3.4	Hydrogeology	7
3.5	Hydrology	8
3.6	Man-made Pathways	8
3.7	Surrounding land use and interdependencies	8
3.8	Pollution Incidents within 500 m	9
3.9	Environmental Consents, Licences, Authorisations, Permits and Designations for the Site and Surrounding Areas	10
3.10	Mining	12
3.11	COMAH	12
3.12	Radon	12
3.13	Hazardous Substances Storage / Usage.....	12
4.0	Provide a Site History	13
4.2	General Site History	13
4.3	Previous Ground Investigation.....	14
4.4	Operational History and Potential Historic Contaminants	14
5.0	Review of Existing Infrastructure	15
6.0	Stage 1 - Identify which hazardous substances are used, produced or released at the installation and produce a list of these substances	17
6.2	Accepted Wastes.....	17

6.3	Site Discharge	23
6.4	Raw Materials.....	24
6.5	Stage 1 Summary.....	24
7.0	Stage 2 – Identifying the Relevant Hazardous Substances.....	25
7.2	Hazardous Wastes Accepted at the Site	25
7.3	Diesel, Hydraulic, Engine, Lubricating and Machining Oils.....	26
7.4	Discarded Equipment and Air Conditioning Gases Containing Fluorocarbons	26
7.5	Lead Acid Batteries	26
7.6	Ni-Cd Batteries	26
7.7	Mercury Containing Wastes.....	27
7.8	Site Effluent	27
7.9	Insulation Materials Containing Asbestos	27
7.10	Small Mixed WEEE (SMW)	27
7.11	Relevant Hazardous Substances	28
8.0	Stage 3 – Assessment of the site-specific pollution possibility	33
8.2	Turnings and cables containing oils, emulsions; ELV hazardous components; and solutions and wastes containing hazardous components.....	34
8.3	Diesel, Petrol, Hydraulic, Engine, Lubricating, Machining, Insulating and Transmission Oil.....	34
8.4	Lead Acid Batteries	34
8.5	Ni-Cd Batteries	35
8.6	Mercury Containing Wastes.....	35
8.7	Site Effluent	35
8.8	Insulation Materials Containing Asbestos	36
8.9	Site Specific Pollution Possibility	36
9.0	Site Characterisation	41
9.2	Potential Contaminant Sources	41
9.3	Potential Pathways	42
9.4	Potential Receptors	43
9.5	Outline Conceptual Site Model	43
10.0	Site Investigation	46

11.0	Produce a Site Baseline Report.....	46
12.0	Operational Stage Site Condition Report.....	46
12.2	Keeping Records	46
12.3	Making a Change to the Activity	47
12.4	Inspect and Maintain Pollution Prevention Measures	47
12.5	Manage Pollution Incidents.....	47
12.6	Monitor Soil and Groundwater	47
13.0	Surrender Site Condition Report	48
13.2	Requirements	48
14.0	Conclusion	48

List of tables

Table 3-1: Pollution incidents of significant or major impact	9
Table 3-2: Active licensed discharges to controlled waters within 500 m	10
Table 3-3: Historical landfills within 500m of site	11
Table 4-1: Historic Land Use	13
Table 6-1: Waste codes expected to be present	17
Table 7-1: Assessment of RHS Pollution Potential.....	29
Table 8-1: Site Specific Pollution Possibility	37
Table 9-1: Conceptual Site Model	44

Appendices

Appendix A: Competencies

Appendix B: Groundsure Report

Appendix C: Site Plans

1.0 Introduction

1.1 Background

- 1.1.1 This document forms the Site Condition and Baseline Report (SCBR) as a part of an application by Donald Ward Limited for an environmental permit to operate the metal recycling site at Boulder Bridge Lane, Carlton, Barnsley, S71 3HJ.
- 1.1.2 The principal activities of the site will be the receipt and treatment for recovery, by granulation and shredding, of cable and scrap metal (ferrous and non-ferrous), and the temporary storage of hazardous and non-hazardous waste.
- 1.1.3 The site is proposed to temporarily store, pending transfer to an authorised treatment facility, Waste Electrical and Electronic Equipment (WEEE), End-of-Life Vehicle (ELV) components, batteries, tyres, swarf, asbestos, as well as non-hazardous and hazardous commercial, construction, demolition and municipal wastes.
- 1.1.4 The current permit application proposes to allow for the following installation activities as set out in Part 2 of Schedule 1 to the Environmental Permitting (England and Wales) Regulations 2016¹, as amended:
- Section 5.4 A(1) (b) (iv) – Recovery of non-hazardous waste with a capacity of more than 75 tonnes per day involving treatment in shredders of metal waste.
 - Treatment consisting only of the shredding and granulation of non-hazardous waste containing ferrous and non-ferrous metals for recovery.
 - Section 5.3 A(1)(a)(ii) - Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.
 - Mechanical treatment of hazardous waste consisting of sorting, separation, shredding, screening, grading, baling, shearing, compacting, crushing, granulation or cutting for the purpose of recovery of constituent parts and materials.
 - Section 5.6 A(1)(a) - Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities in Sections 5.1, 5.2, and 5.3.
- 1.1.5 Under Schedule 9 of the Environmental Permitting Regulations 2016¹ there will also be waste activities associated with the waste transfer station that comprise a waste operation.

¹ [The Environmental Permitting \(England and Wales\) Regulations 2016](#)

- 1.1.6 This Site Condition and Baseline Report (SCBR) has been prepared in accordance with the European Commission Guidance² concerning baseline reports required under the IED and the Environment Agency's H5 Horizontal Guidance³.
- 1.1.7 The IED, Article 22, paragraphs 2 to 4, contains provisions for the definitive cessation of activities involving the use, production or release of Relevant Hazardous Substances (RHS) in order to prevent and tackle potential soil and groundwater contamination from such substances. A key tool in this respect is the establishment of a 'baseline report' where an activity involves the use, production or release of RHS and having regard to the possibility of soil and groundwater contamination. The report will form the basis for a comparison with the state of contamination upon definitive cessation of activities. Where information produced pursuant to other national or union law reflects the state at the time the report is drawn up, that information may be included in, or attached to, the baseline report.
- 1.1.8 This SCBR will be maintained within the Environmental Management System (EMS) in place at the site. Any changes, updates or additional information subsequent to the original version will be added within the operational section of this SCBR.
- 1.1.9 Tetra Tech has prepared this report based on information and data available at the time of preparation. Details of the competencies of those involved in producing this SCBR report are provided in Appendix A.

1.2 Key Objectives

- 1.2.1 The key objectives of this report are to:
- Establish the environmental setting of the site and determine its environmental sensitivity;
 - Identify activities that are currently undertaken at the site, including the identification of RHS and preventative measures implemented to protect land and groundwater;
 - Establish the extent of historical contamination in the soil and groundwater in areas where current and/or future processes may include similar potentially contaminating substances;
 - To provide conclusions on whether land quality has been impacted from historical activities; and

² [2014/C 136/03 European Commission Guidance concerning baseline reports under Article 22\(2\) of Directive 2010/75/EU on industrial emissions](#)

³ Environment Agency, H5 Guidance for Applicants, Environmental Permitting Regulations, Site Condition Report – Guidance and Templates, May 2013

- To identify the conditions at the site at the point permitting the facility (baseline condition) such that they may be used as a point of reference to determine whether the site has been contaminated during the site's permitted operation in line with IED and Environmental Permitting Regulations requirements.

1.2.2 Current guidance from the EA sets out a multi-stage process which incorporates the Stage 1-3 identification of Relevant Hazardous Substances (RHS) as required in EU Industrial Emissions Directive (IED) Baseline Reports for Part A permitted activities. A summary of each stage is outlined below along with where it is addressed within this report:

- Evaluation of Environmental Setting to determine the fate of potential emissions of relevant hazardous substances This is addressed within Section 3 of this report;
- Evaluation of Site History and potential for relevant hazardous substances to be present in soils and groundwater. This is addressed within Section 4 of this report;
- Review of infrastructure – Evaluation of primary, secondary and tertiary containment measures, including related maintenance and process control practices. This is addressed within Section 5 of this report;
- Stage 1 – Identify hazardous substances used, produced or released at the installation. This is addressed within Section 6 of this report;
- Stage 2 – Identify relevant hazardous substances used, produced or released at the installation from the list of hazardous substances identified in Stage 1. This is addressed within Section 7 of this report;
- Stage 3 – Undertake an assessment of site-specific pollution possibility for relevant hazardous substances. This is addressed within Section 8 of this report;
- Site Characterisation that synthesises all findings on the basis of a Conceptual Site Model. This is addressed within Section 9 of this report;
- Site Investigation (including sampling strategy). This is addressed within Section 10 of this report; and,
- Production of Baseline Report. This is addressed within Section 11 of this report.

1.3 Description of Permitted Activities

1.3.1 The site will receive, process and recover cables, ferrous and non-ferrous scrap metals and will act as a source of ferrous feedstock for the steel manufacturing industry both in the UK and abroad.

- 1.3.2 The site will undertake the recovery of hazardous waste through the granulation process, using physical processes to recover hazardous waste. The site will undertake the recovery of non-hazardous metal waste by treatment via the granulation plant.
- 1.3.3 Granulation equipment is utilised to granulate waste cable. This consists of a pre-treatment process utilising a Superchopper (SC) and Multi-Purpose Rasper (MPR) in advance of the granulation process and incorporates a mechanical process to liberate and progressively separate copper and other metals from plastic insulation.
- 1.3.4 A mobile shredder and downstream trommel will predominantly be used for size reduction of non-ferrous metals but are capable of shredding other metallic wastes received on site.
- 1.3.5 The site has the capacity to store more than 50 tonnes of hazardous waste at any one time. This includes the infeed material of cables and any hazardous copper and plastic rich inputs to the granulation plant, alongside the waste activities of acceptance and storage of swarf, hazardous whole WEEE and components, ELV components, tyres, batteries and asbestos containing materials.
- 1.3.6 WEEE will be managed in accordance with relevant legislative requirements of the WEEE Regulations 2006 and in accordance with DEFRA guidance document 'Guidance on Best Available Treatment Recovery and Recycling Techniques (BATRRT) and treatment of Waste Electrical and Electronic Equipment (WEEE)'⁴.
- 1.3.7 The site will also operate as a waste transfer station and will store and bulk non-hazardous construction and demolition, industrial, commercial and municipal wastes pending removal off site to authorised treatment facilities.
- 1.3.8 A summary of all wastes proposed to be accepted is provided in Table 6-1. The total tonnage to be accepted per annum is a maximum of 300,000 tonnes. Total waste storage in aggregate shall not exceed 14,250 tonnes.
- 1.3.9 Raw materials to be used onsite include diesel, engine oil, hydraulic oil, lubricating oil and AdBlue. Diesel will be stored in a 10,000 L double skinned tank. AdBlue will be stored in a 2,500 L double skinned tank. All other raw materials listed will be stored in IBCs, drums or other containers on appropriately sized bunding.

2.0 Application Site Condition Report

2.1 Application Phase

- 2.1.1 This section of the SCBR, includes information specified within Environment Agency Horizontal Guidance Note H5³ that is required at the application stage.

⁴[Guidance on Best Available Treatment Recovery and Recycling Techniques \(BATRRT\) and treatment of Waste Electrical and Electronic Equipment \(WEEE\)](#)

The summary tables below provide references to the various chapters of this report, where further information on the known current condition of the operational area is provided.

2.2 Site Condition Report Summary

1.0 Site details	
Name of the applicant	Donald Ward Limited
Activity address	Boulder Bridge Lane, Carlton, Barnsley, S71 3HJ
National grid reference	SE 37604 10515
Site area (ha)	2.92 ha
Document reference and dates for Site Condition Report at permit application and surrender	Site Condition and Baseline Report V1 R2
Document references for site plans (including location and boundaries):	See Appendix C for Site Layout, Ecological Sensitive Receptors 1km, Human Sensitive Receptors 1km

2.0 Condition of the land at permit issue	
Environmental setting including: • Topography • Geology • Hydrogeology • Hydrology Environmental Consents, Licences, Authorisations, Permits and Designations	See Section 3
Pollution history including: • Location, nature of incidents or direct discharges that may have affected soil or groundwater Historical land uses and associated contaminants	See Section 3 and Section 4
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	N/A
Baseline soil and groundwater reference data	N/A

2.0 Condition of the land at permit issue

Supporting information

3.0 Permitted activities

Permitted activities	Section 5.4 A(1) (b) (iv) – Recovery of non-hazardous waste with a capacity of more than 75 tonnes per day involving treatment in granulators of metal waste. Section 5.3 A(1)(a)(ii) - Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment. Section 5.6 A(1)(a) - Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities in Sections 5.1, 5.2, and 5.3. Mechanical treatment of non-hazardous WEEE for the purpose of recovery of constituent parts and materials. Storage of non-hazardous waste prior to treatment from receipt of waste to treatment. Pre-treatment, physical treatment for the purpose of recycling. Post-treatment for the purpose of recycling. Storage of processed materials, excluding temporary storage of hazardous waste under Section 5.6 A(1)(a). Operation of a non-hazardous waste transfer station activity for construction and demolition, industrial, commercial and municipal wastes pending removal off site to authorised treatment facilities. Raw materials storage. Site surface water drainage discharge.
Non-permitted activities undertaken	-
Document references	Operating Techniques document (June 2026)

3.0 Identify the Site's Environmental Setting

3.1 Site Setting and Sources of Desk Study Information

3.1.1 The following sections detail the environmental setting of the site. The sources of desk study information utilised in order to describe the condition of the installation, and in particular, to determine the potential for substances to be present in, in or under the land associated with past and present uses of the site are listed below:

- Groundsure Report – Appendix B
- British Geological Survey (BGS) Geology of Britain viewer⁵
- Magic Map⁶

3.2 Ground Cover and Topography

3.2.1 The site occupies 2.92 ha on land at Boulder Bridge off Shaw Lane, centred on National Grid reference SE 37604 10515.

3.2.2 Existing groundcover at the site consists of made ground and infrastructure is in place, classifying it as a brownfield site.

3.2.3 The site is generally flat with a consistent topography. The ground levels vary little; from 44 m AOD in the south-east to 48 m AOD in the north-west.

3.3 Geology

3.3.1 The superficial geological deposits underlying the site are Mid Pleistocene Till (diamicton) and Alluvium (clay and silt).

3.3.2 The permeability of the superficial deposits beneath the site is intergranular and mixed, exhibiting very low to low permeability.

3.3.3 The bedrock geology beneath the site is represented by the Pennine Middle Coal Measures Formation (mudstone, siltstone and sandstone).

3.4 Hydrogeology

3.4.1 The bedrock aquifer underlying the site is designated as Secondary A, described as 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.

⁵ [BGS Geology Viewer - British Geological Survey](#)

⁶ [MAGIC](#)

- 3.4.2 The superficial aquifer underlying the site is designated as Secondary A and Secondary Undifferentiated.

Source Protection Zone

- 3.4.3 The site is not located within a groundwater Source Protection Zone.

3.5 Hydrology

- 3.5.1 There are several nearby surface and underground water bodies including Boulder Bridge Dike (2 m east), Pools Dike (55 m north) and Shaw Dike (102 m south). An unnamed pond, a part of Carlton Marsh, lies circa 270 m south-east.

Flood Risk

- 3.5.2 The site lies in a Flood Zone 2, meaning there is a risk of flooding prior to considering any flood prevention measures.
- 3.5.3 The site has a negligible to low risk of flooding from groundwater.

3.6 Man-made Pathways

- 3.6.1 On-site there are man-made pathways such as service trenches containing ducting for electricity cables, phone lines etc., freshwater supply pipes, foul sewer drainage and surface water drainage.
- 3.6.2 The on-site drainage and discharge will consist of rainfall-dependent runoff from site surface (storage and treatment areas). No waste process water streams will be generated at the facility.
- 3.6.3 The surface water drains on site flow to the east. The surface water discharge point, W1, is on the east boundary of the site, adjacent to Boulder Bridge Lane, and discharges to Shaw Dike via Boulder Bridge Dike. The surface water drainage system flows via a class 1 full retention oil water separator (interceptor), located to the east of the yard as shown in Drawing 1 of Appendix C.
- 3.6.4 There are no underground storage tanks at the site.

3.7 Surrounding land use and interdependencies

- 3.7.1 The Groundsure report included in Appendix B lists the current surrounding industrial land uses within 250 m. The site is set within a widely business and industrial area which includes crane hire, vehicle dismantling and other scrap metal recycling. Immediately along the western boundary of the site is a railway.

3.8 Pollution Incidents within 500 m

Pollution Incidents

- 3.8.1 Records of substantiated pollution incidents show that within the site, there have been four incidents since 2006 which fall into category 1 (major) and 2 (significant) pollution incidents. These incidents had significant impact on air with no impact on land and water.
- 3.8.2 There have been five pollution incidents of significant or major impact outside the site but within 250 m as summarised in Table 3-1.

Table 3-1: Pollution incidents of significant or major impact

Location	Detail	Impact
On site	Incident Date: 01/07/2020 Incident Identification: 1823508 Pollutant: Other Pollutant Pollutant Description: Noise	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
On site	Incident Date: 04/08/2020 Incident Identification: 1833568 Pollutant: Other Pollutant Pollutant Description: Noise	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
On site	Incident Date: 03/09/2020 Incident Identification: 1844270 Pollutant: Other Pollutant Pollutant Description: Noise	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
On site	Incident Date: 03/06/2020 Incident Identification: 1813621 Pollutant: Other Pollutant Pollutant Description: Noise	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
54m N	Incident Date: 15/11/2002 Incident Identification: 120977 Pollutant: Specific Waste Materials Pollutant Description: Other Non-Metal Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
80m N	Incident Date: 20/05/2004 Incident Identification: 239091 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)

Location	Detail	Impact
108m S	Incident Date: 12/04/2024 Incident Identification: 2257063 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
109m N	Incident Date: 06/11/2002 Incident Identification: 119074 Pollutant: Specific Waste Materials Pollutant Description: Other Non-Metal Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
223m S	Incident Date: 08/09/2006 Incident Identification: 433600 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Food and Drink	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

- 3.8.3 Of the listed incidents there was a single Category 2, significant incident with land impacts relating to oil/fuel and a single incident impacting water that related to waste food and drink materials. All other listed incidents have had a no impact or only a minor impact on land and water.
- 3.8.4 An additional 13 pollution incidents of significant or major impact have occurred between 250-500 m from the site.
- 3.8.5 A further 22 pollution incidents have taken place within 500 metres of the site which had minor or no impact on air, land and water.

3.9 Environmental Consents, Licences, Authorisations, Permits and Designations for the Site and Surrounding Areas

Water Discharges and Abstraction Licences

- 3.9.1 There are two records of active licensed discharges to controlled waters within 500 m of the site. These are included in Table 3-2 below.

Table 3-2: Active licensed discharges to controlled waters within 500 m

Permit No.	Location	Detail	Effluent
WRA7675	258m S	Royston (Carlton-Shaw Lane) Sewage pumping station to Shaw Dyke	Sewage discharges and sewer storm overflow
C4871	310m N	Pools Lane CSO to Pools Dike	Sewage discharges and sewer storm overflow

- 3.9.2 There are no active groundwater abstractions or active potable water abstractions within 2 km.

Landfill Sites

- 3.9.3 There is one active or recently closed landfill sites under Environment Agency regulation within 500 m, that being E J Lidster Construction Limited located 326m northwest (EPR/AP3790ZU).
- 3.9.4 There are four historical closed landfills (from EA/NRW records), included in Table 3-3 below.

Table 3-3: Historical landfills within 500m of site

Operator	Location	Wastes	Operating Period
A Barraclough	116m S	Inert, Industrial, Commercial, Household	1985 – 1992
Barnsley Metropolitan Borough Council	182m N	Inert, Industrial, Commercial, Household, Special, Liquid sludge	1983 – 1995
E Maw and Son	366m NW	Inert, Commercial	1984 – 1990
E Broad & C White	469m NW	Inert, Commercial	1986 – 1990

Waste Treatment or Disposal Sites

- 3.9.5 There are up to 55 active or recently closed licenced waste sites within 500 m.
- 3.9.6 One is the previously permitted installation onsite, most recently under reference EPR/FB3903MA as a metal recycling site (Unimetals Recycling UK Limited).
- 3.9.7 Neighbouring businesses include Geoff Ripley under EPR/YP3690ZL also as metal recycling site (vehicle dismantler), which is the neighbouring business to the north of site. The sites to the immediate east (Trevor Wigley and Son Limited) and northeast (Welbourn Car Dismantlers) are also indicated to be licensed waste management facilities. PVS Barnsley, situated to the immediate south of the site, is a permitted vehicle dismantling operation.

Statutory Designated and Sensitive Receptors within 2 km

- 3.9.8 There is one Site of Special Scientific Interest (SSSI). This is the Dearne Valley Wetlands located 40 m to the east of the site and extends to the north and south.
- 3.9.9 There is a single Local Nature Reserves (LNR) within 250 m of the site. This is the Carlton Marsh 121 m to the southeast of the site.
- 3.9.10 There are no Ramsar sites, Special Areas of Conservation (SAC), Special Protection Areas (SPA) and National Nature Reserves (NNR) within 2 km of the site.

- 3.9.11 Drawings 2 and 3 included in Appendix C show the human and ecological sensitive receptors within 1km respectively.

3.10 Mining

- 3.10.1 There is a single listed British Pit within 500 m of the site, namely the Carlton Main Colliery Clay Pit. There are nine underground workings within 1,000 m of the site. The closest of which is 219 m south of the site which is associated with a colliery.
- 3.10.2 The site itself is within an area which could be affected by past, current or future coal mining.

3.11 COMAH

- 3.11.1 There is a single historical COMAH site recorded within 500 m of the site, being Manor Bakeries Ltd situated 226m south.

3.12 Radon

- 3.12.1 The site is situated in an area where fewer than 3% of properties are estimated to be affected by Radon and no protective measures are deemed necessary.

3.13 Hazardous Substances Storage / Usage

- 3.13.1 There are no consents granted to hold certain quantities of hazardous substances at or above defined limits within 500 m of the site.

4.0 Provide a Site History

- 4.1.1 The purpose of this section is to determine those hazardous substances which have the potential to already be present on site in the soil and groundwater as a result of previous activities undertaken at the site to date and to determine whether they are coincident with potential future emission points.

4.2 General Site History

- 4.2.1 A review of the mapping from 1855 to present provided within the Groundsure Report included within Appendix B is summarised in Table 4-1 below.

Table 4-1: Historic Land Use

On Site Land Use and Features	Surrounding Land Uses	Dates
Undeveloped fields.	Railway line 50m west.	1855
	Railway line 50m east and Cudworth Depot 100m northeast. Carlton Main Collery located 500m south.	1894
	Sewage works located 300m southwest.	1904
The Carlton North Railway sidings occupy the western third of the site. The eastern section is recorded to be marshland with issues and a small pond.	-	1930
	Sewage works located 450m north.	1948
	Carlton Main Collery now referenced as a tip	1966
Railway sidings onsite deconstructed. Unoccupied land.	Reduced railway line remains to the west, the line to the east and depot are also dismantled / demolished.	1978
The eastern part of the site is divided into several plots identified as scrapyards. The western raised land remains unoccupied.	Several scrapyards surround the site to the north, east and south. Over time, these develop into various businesses as identified in Section 3.7.	1981
Onsite scrapyards amalgamated into a single depot.		2001 - date

- 4.2.2 As summarised in the above table there has been significant historical construction activity on and surrounding the site.
- 4.2.3 The metals recycling site is to be situated on developed land with a risk of historical contamination.

4.3 Previous Ground Investigation

- 4.3.1 No results of previous intrusive ground investigations at the site are available.

4.4 Operational History and Potential Historic Contaminants

- 4.4.1 The site has been a scrapyards or metal recycling facility from around 1981, and this land use continues to the present day. The previous permit indicates the site was issued with a permit (EPR/XP3592ZM) in 2004. Several transfers and variations took place, including the addition of 14 EWCs in 2015, before the permit was updated to IED conditions in 2020.
- 4.4.2 It is understood that scrap metal recycling was carried out until November 2025. Potential contaminants associated with this land use include metals, oils and hydrocarbons.
- 4.4.3 Potential historical contaminants associated with use as a railway include; oils, hydrocarbons, coolants, solvents, asbestos-containing materials, cleaning chemicals, pesticides, and polychlorinated biphenyls (PCBs).
- 4.4.4 There are two substations located within the site boundary each being a potential additional source of PCBs.

5.0 Review of Existing Infrastructure

- 5.1.1 Waste at the site will be treated on impermeable pavement with sealed drainage. Only clean uncontaminated scrap will be stored on areas of hardstanding. Site surfacing and drainage will be visually inspected on a regular basis; weekly for the interceptor; fortnightly for site surfacing and monthly for manholes. Interceptors will be cleaned out as determined necessary via inspections. Any areas of surfacing showing wear will be monitored and repaired as soon as reasonably practicable. Similarly, any repairs to manholes or the interceptor identified from inspections would similarly be programmed as soon as possible. All repair works will be recorded.
- 5.1.2 The site management team will monitor site operations and undertake regular visual inspections (at least once per day) of operations to check that routine management practices are being adhered to.
- 5.1.3 Any wastes that are unsuitable for the installation will be dealt with as per the non-conforming waste procedure detailed in the Waste Acceptance Procedure within the Operating Techniques document.
- 5.1.4 Ward will employ a quarantine procedure for unsuitable wastes, in specially designated areas. This includes; wastes received which require further inspection prior to treatment, wastes such as orphaned cylinders, polythene sacks for brake pads which contain asbestos, damaged Refractory Ceramic Fibres (RCF) containing catalytic convertors, a battery box and a skip/designated area for other items requiring segregated storage. These wastes will be kept segregated where possible and not mixed with authorised wastes.
- 5.1.5 All wastes will be stored on impermeable pavement linked to a sealed drainage system. Hazardous wastes and Small Mixed WEEE will be stored separately from non-hazardous wastes with additional containment where appropriate.
- 5.1.6 All WEEE wastes will be stored on areas with impermeable pavement with sealed drainage system. Storage areas are inspected daily.
- 5.1.7 To ensure that waste storage arrangements are being adhered to, monthly checks of the stockpiles will be conducted. If issues are identified, then records are made and suitable actions are determined.
- 5.1.8 Hazardous fluids, both raw and waste, are stored in containers with appropriate secondary containment measures capable of holding at least 110% of the volume of the primary containment vessel or 25% of the total tankage.
- 5.1.9 All bunds are impermeable and resistant to the stored materials. They have no outlets (that is, no drains or taps) and are designed to contain leaks from the tanks or fittings. The fittings / pipework are routed within bunded areas or provided with containment.

- 5.1.10 All deliveries and collections of hazardous fluids will take place using a direct connection to tanker.
- 5.1.11 Secondary containment will be frequently inspected and emptied of rainwater regularly to maintain containment capacity. Contaminated surface waters shall be disposed of via an authorised treatment facility as necessary.
- 5.1.12 A visual inspection regime will be implemented to detect and repair leaks from any tanks or containers used for storing oils / fuels etc. that could contaminate site drainage if spilled.
- 5.1.13 A maintenance schedule will be implemented for all mobile plant (i.e., shredders, shears and trommels) to ensure the potential for leaks and spills is minimised.
- 5.1.14 Storage areas will be provided with spillage collection facilities including spill kits. The locations of such spill kits and instructions on their use will be specified in the site's Emergency Contingency Plan. All staff shall be trained in the Emergency Contingency Plan. Copies of the plan shall be distributed to all staff and contractors. Use of spill kits will be reported to site management to ensure regular restocking as required.

6.0 Stage 1 - Identify which hazardous substances are used, produced or released at the installation and produce a list of these substances

- 6.1.1 The IED Baseline Report relates to contamination risk associated with “hazardous substances” used, produced and/or released by the site. Hazardous substances are defined as substances or mixtures defined in Article 3 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on Classification, Labelling and Packaging of substances and mixtures (the “CLP Regulations”). The determination of whether a substance is a hazardous substance is largely determined using the substance CAS Number and European Chemicals Agency (ECHA) database⁷.
- 6.1.2 This section identifies the main raw materials, wastes, products, residues and releases associated with the permitted activities.
- 6.1.3 For each raw material, waste, products, residue and release the above data sources have been reviewed to determine whether the material contains potentially hazardous substances.
- 6.1.4 Those which do not contain potentially hazardous materials are discounted at Stage 1 from further consideration. All material which are identified as containing potentially hazardous substances are taken forward to Stage 2.

6.2 Accepted Wastes

- 6.2.1 Table 6-1 below summarises the waste codes that are proposed to be accepted at the site or may be present as components of accepted wastes (e.g., ELVs).

Table 6-1: Waste codes expected to be present

Waste Code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 01	wastes from mineral excavation
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing

⁷ <https://echa.europa.eu/>

Waste Code	Description
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 07	wastes from forestry
02 01 10	waste metal
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	soil from cleaning and washing vegetables
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 01	wastes from wood processing and the production of panels and furniture
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling
07	Wastes from organic chemical processes
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
10	Wastes from thermal processes
10 09	wastes from casting of ferrous pieces
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 10	wastes from casting of non-ferrous pieces
10 10 03	furnace slag
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 11	Wastes from manufacture of glass and glass products
10 11 03	waste glass-based fibrous materials
10 11 12	waste glass other than those mentioned in 10 11 11
10 12	Wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 12	wastes from glazing other than those mentioned in 10 12 11

Waste Code	Description
10 13	<i>Wastes from manufacture of cement, lime and plaster and articles and products made from them</i>
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete
12	<i>Wastes from shaping and physical and mechanical surface treatment of metals and plastics</i>
12 01	<i>wastes from shaping and physical and mechanical surface treatment of metals and plastics</i>
12 01 01	ferrous metal filings and turnings
12 01 02	ferrous metal dust and particles
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
12 01 05	plastics shavings and turnings
12 01 06*	mineral-based machining oils containing halogens (except emulsions and solutions)
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)
12 01 08*	machining emulsions and solutions containing halogens
12 01 09*	machining emulsions and solutions free of halogens
12 01 10*	synthetic machining oils
12 01 13	welding wastes
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 19*	readily biodegradable machining oil
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
15	<i>Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified</i>
15 01	<i>packaging (including separately collected municipal packaging wastes)</i>
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 02	<i>absorbents, filter materials, wiping cloths and protective clothing</i>
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	<i>Wastes not otherwise specified in the list</i>

Waste Code	Description
16 01	<i>end-of-life vehicles from different means of transport (including off-road machinery) and waste from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)</i>
16 01 03	whole end-of-life-tyres
16 01 04*	end-of-life vehicles
16 01 06	end-of-life vehicles containing neither liquids nor other hazardous components
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	plastic
16 01 20	glass
16 01 21*	hazardous components from ELVs
16 01 22	Non-hazardous components from ELVs
16 02	<i>wastes from electrical and electronic equipment</i>
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 12*	Discarded equipment containing free asbestos
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	hazardous components removed from discarded equipment
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	<i>off-specification batches and unused products</i>
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 06	<i>batteries and accumulators</i>
16 06 01*	lead batteries
16 06 02*	nickel-cadmium (Ni-Cd) batteries
16 06 03*	mercury-containing batteries
16 06 05	other batteries and accumulators
16 10	<i>aqueous liquid wastes destined for off-site treatment</i>
16 10 01*	aqueous liquid wastes containing hazardous substances
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 01	<i>concrete, bricks, tiles and ceramics</i>
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	<i>wood, glass and plastic</i>
17 02 01	wood
17 02 02	glass

Waste Code	Description
17 02 03	plastic
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 03	lead
17 04 04	zinc
17 04 05	iron and steel
17 04 06	tin
17 04 07	mixed metals
17 04 10*	cables containing oil, coal tar and other hazardous substances
17 04 11	cables other than those mentioned in 17 04 10
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	track ballast other than those mentioned in 17 05 07
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 01*	insulation materials containing asbestos
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 06 05*	construction materials containing asbestos
17 08	gypsum-based construction material
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 01	wastes from incineration or pyrolysis of waste
19 01 02	ferrous materials removed from bottom ash
19 02	wastes from physico/chemical treatments of waste
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 03	off-specification compost
19 10	wastes from shredding of metal-containing wastes
19 10 01	iron and steel waste
19 10 02	non-ferrous wastes
19 10 03*	fluff-light fraction and dust containing dangerous substances
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 05*	other fractions containing dangerous substances

Waste Code	Description
19 10 06	other fractions other than those mentioned in 19 10 05
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
19 12 02	ferrous metals
19 12 03	non-ferrous metals
19 12 04	plastic and rubber
19 12 05	glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 09	minerals (for example sand, stones)
19 12 11*	other wastes (including mixture of materials) from mechanical treatment of waste containing dangerous substances (only metal fractions)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	food waste
20 01 10	clothes
20 01 11	textiles
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	wood other than that mentioned in 20 01.37
20 01 39	plastics
20 01 40	metals – household/local authority
20 01 41	chimney sweeping wastes
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03	other municipal wastes
20 03 01	mixed municipal waste

Waste Code	Description
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 07	bulky waste

6.2.2 Non-hazardous wastes by virtue of their classification are not considered hazardous. The following wastes are considered to have the potential to be relevant hazardous substances:

- Oils, emulsions and solutions 12 01 06*, 12 01 06*, 12 01 07*, 12 01 08*, 12 01 09*, 12 01 10* and 12 01 19*
- ELVs and their hazardous components 16 01 04* and 16 04 21*
- Discarded equipment containing chlorofluorocarbons, HCFCs, HFCs 16 02 11* and 20 01 23*
- Wastes containing hazardous components 16 02 13*, 16 02 15*, 16 10 01*, 19 02 04*, 19 10 03* and 19 10 05*
- Lead batteries 16 06 01*
- Nickel-cadmium batteries 16 06 02*
- Mercury-containing batteries, fluorescent tubes and other mercury-containing waste 16 06 03* and 20 01 21*
- Cables containing oil, coal tar and other hazardous substances 14 04 10*
- Insulation materials containing asbestos 17 06 01*
- Other wastes (including mixture of materials) from mechanical treatment of waste containing dangerous substances (only metal fractions) 19 12 11*
- Batteries and accumulators, and discarded electrical and electronic equipment 20 01 33* and 20 01 35*

6.3 Site Discharge

- 6.3.1 Surface water discharge into the local surface water network has the potential to contaminate the surrounding surface water courses. An assessment of the risk to controlled waters was conducted using the H1 Assessment Tool in June 2026 and concluded that the risk was not significant. However, the report did recommend the continued monitoring of the dissolved phase of metals in the discharge to surface water, particularly four key metals; cadmium, copper, mercury and zinc.
- 6.3.2 As these four metals are potentially hazardous to the environment, the site effluent is considered to be an RHS.

6.4 Raw Materials

6.4.1 The following raw materials which have the potential to be hazardous, have been identified as being stored and used at the site:

- Diesel
- Engine oil
- Hydraulic oil
- Lubricating oil
- AdBlue

6.4.2 Diesel, engine oil, hydraulic oil and lubricating oil are all potentially hazardous. AdBlue is not considered to have classified hazards by the ECHA and therefore is not considered further in this report.

6.5 Stage 1 Summary

6.5.1 Based on the above the following materials are considered potentially hazardous and therefore need further consideration in Stage 2:

- Turnings and cables containing oils, emulsions and solutions 12 01 06*, 12 01 06*, 12 01 07*, 12 01 08*, 12 01 09*, 12 01 10*, 12 01 19* and 14 04 10*
- ELVs and their hazardous components 16 01 04* and 16 04 21*
- Discarded equipment containing CFCs, HCFC, HFC 16 02 11*, 20 01 23*
- Wastes containing hazardous components 16 02 13*, 16 02 15*, 16 10 01*, 19 02 04*, 19 10 03* and 19 10 05*
- Lead batteries 16 06 01*
- Nickel-cadmium batteries 16 06 02*
- Mercury-containing batteries, fluorescent tubes and other mercury-containing waste 16 06 03* and 20 01 21*
- Insulation materials containing asbestos 17 06 01*
- Batteries and accumulators, and discarded electrical and electronic equipment 20 01 33* and 20 01 35*
- Site Effluent
- Diesel
- Engine oil
- Hydraulic oil

- Lubricating oil

7.0 Stage 2 – Identifying the Relevant Hazardous Substances

- 7.1.1 Stage 1 identified a number of hazardous substances that are stored, used or released on site as part of site operations. Stage 2 requires a review of the listed substances to determine which are relevant hazardous substances (RHS). Each of the substances identified within Stage 1 is reviewed below, considering their chemical and physical properties and how they are stored and used on site, to determine the potential pollution risk of each hazardous substance.
- 7.1.2 RHS in relation to IED are defined as:
- Those substances or mixtures defined within Article 3 of Regulations (EC) No1272/2008, which, as a result of their hazardousness, mobility, persistence and biodegradability (as well as other characteristics), are capable of contaminating soil or groundwater and are used, produced and/or released by the installation.*
- 7.1.3 Each potentially hazardous waste and raw material identified in Section 6.4 are considered in turn in following sections. Where appropriate, the substances have been grouped (and justification for grouping given). ELVs have not been directly assessed further as all components are captured separately below.

7.2 Hazardous Wastes Accepted at the Site

- 7.2.1 Stage 1 identified the following hazardous wastes that are accepted and stored at the site:
- Turnings and cables containing oils, emulsions and solutions 12 01 06*, 12 01 06*, 12 01 07*, 12 01 08*, 12 01 09*, 12 01 10*, 12 01 19* and 14 04 10*
 - ELVs and their hazardous components 16 01 04* and 16 04 21*
 - Discarded equipment containing CFCs, HCFC, HFC 16 02 11*, 20 01 23*
 - Wastes containing hazardous components 16 02 13*, 16 02 15*, 16 10 01*, 19 02 04*, 19 10 03* and 19 10 05*
 - Lead batteries 16 06 01*
 - Nickel-cadmium (Ni-Cd) batteries 16 06 02*
 - Mercury-containing batteries, fluorescent tubes and other mercury-containing waste 16 06 03* and 20 01 21*
 - Insulation materials containing asbestos 17 06 01*
 - Small mixed WEEE 20 01 33* and 20 01 35*

- 7.2.2 Turnings and cables containing oils, emulsions; ELV hazardous components; and solutions and wastes containing hazardous components have been grouped as the hazardous chemicals present are not clearly defined but will be similar. It has been assumed potential RHS include hydrocarbons (oil/fuel) and a range of metals, as shown in Table 7-1.

7.3 Diesel, Hydraulic, Engine, Lubricating and Machining Oils

- 7.3.1 Non-waste fuel and oils are used on site for plant and machinery comprise, these comprise of engine, hydraulic and lubricating oil, and diesel. All fuels and oils are stored within bunded or double skinned tanks.
- 7.3.2 Accepted wastes such as cables or turnings/swarf may be contaminated with oils, emulsions and solutions containing hydrocarbons.
- 7.3.3 These fuels and oils have all been grouped together due to their similar chemical and physical properties.
- 7.3.4 In the event that fuels and oils did enter the ground or ground water there is a potential for contamination and therefore fuels and oils will be considered in Stage 3.

7.4 Discarded Equipment and Air Conditioning Gases Containing Fluorocarbons

- 7.4.1 Discarded equipment and air conditioning gases have been identified as a hazardous due to certain components (CFCs, HCFCs and HFCs) within being identified as hazardous.
- 7.4.2 CFCs, HCFCs and HFCs are ozone depleting gases and as such, harmful to the environment if released in an uncontrolled manner. The site stores cylinders of air conditioning gases under cover in a protected area away from the risk of damage. However, CFC, HCFCs and HFC gases pose little risk of pollution to ground or water as any release would disperse to air.
- 7.4.3 Therefore, air conditioning gases are not considered further.

7.5 Lead Acid Batteries

- 7.5.1 Lead acid batteries contain lead and sulphuric acid and have been identified as a hazardous substance due to their high corrosivity and flammability and their high toxicity to the environment.

7.6 Ni-Cd Batteries

- 7.6.1 Ni-Cd acid batteries contain nickel and cadmium and have been identified as a hazardous substance due to their high toxicity to the environment.

7.7 Mercury Containing Wastes

- 7.7.1 Mercury containing wastes have been identified as a hazardous substance as mercury is highly toxic, persistent pollutant that can bioaccumulate, posing severe harm to ecosystems and human health.

7.8 Site Effluent

- 7.8.1 The site effluent contains high levels of metals, in particular cadmium, copper, mercury and zinc. All metals are persistent in the environment.
- 7.8.2 Cadmium is a hazardous substance due to its high toxicity to the environment.
- 7.8.3 Copper can be hazardous dependant on its bioavailability but for the purpose of this assessment is considered to be toxic to the environment and to be an RHS.
- 7.8.4 As stated in section 7.7.1, mercury is an RHS.
- 7.8.5 Zinc is highly toxic to aquatic and plant life when present in higher concentrations. Due to this zinc is considered to be an RHS.

7.9 Insulation Materials Containing Asbestos

- 7.9.1 Asbestos can contaminate air, soil, and water. It severely impacts the environment and is a persistent pollutant.

7.10 Small Mixed WEEE (SMW)

- 7.10.1 Some SMW are classified as hazardous waste and will be stored separately from non-hazardous wastes prior to removal to suitably authorised facility. These items include printer cartridges, small refrigeration and air conditioning units, fluorescent lamps and smoke detectors as well as items containing small batteries.
- 7.10.2 Hazardous wastes, including SMW, are stored on impermeable pavement linked to a sealed drainage system with additional containment where appropriate.
- 7.10.3 It is unlikely that SMW items that contain asbestos, refractory ceramic fibres (RCF) or radioactive substances will be received. Asbestos has not been used in WEEE since 1985 and RCF's were only used in high temperature industrial applications e.g. Kiln linings. WEEE containing radioactive substances is also unlikely to be present but any radioactive items that are present are detected by the radiation detection process at the weighbridge.
- 7.10.4 Any WEEE items suspected of containing PCBs during waste acceptance will be quarantined and rejected or removed to a suitably authorised facility.
- 7.10.5 WEEE items containing fluorescent lamps are unlikely to be present in the SMW stream as these WEEE wastes have been segregated from other WEEE streams

at source for a considerable period. Operatives are trained to be vigilant for them as they would for any items requiring segregation.

- 7.10.6 Therefore, SMW items that contain asbestos, refractory ceramic fibres (RCF) radioactive substances or fluorescent lamps will not be considered as RHS and are not considered further.

7.11 Relevant Hazardous Substances

- 7.11.1 Table 7-1 below summarises the properties of each of the potentially hazardous materials associated with the permitted facility and the conclusion as to whether they are considered an RHS.
- 7.11.2 The identified RHSs are then taken forward for further consideration in Stage 3.

Table 7-1: Assessment of RHS Pollution Potential

Substance	Chemical Characteristics /Risks	Physical State	Solubility	Toxicity	Mobility	Persistence and Biodegradability	Soil and Groundwater Pollution Potential	RHS
Turnings and cables containing oils, emulsions; ELV hazardous components; and solutions and wastes containing hazardous components	Fuels/oils - potentially carcinogenic, fatal, harmful, flammable, causes skin irritation, toxic to aquatic life.	Liquid	Low	Medium - Not toxic but harmful to aquatic life with long lasting effects.	High	Low - Not persistent, bioaccumulative and toxic (PBT) or very persistent, very bioaccumulative (vPvB) Substance.	Low	Yes
	Copper - very harmful to aquatic life.	Solid	Variable (highly soluble in acidic environments)	High - very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	Low	High - Chemical and physical treatment is required for the elimination from water.	Low	Yes
	Nickel - potentially carcinogenic, causes damage to organs, harmful to aquatic life.	Solid	Variable	High - harmful to aquatic organisms	Low	High - Chemical and physical treatment is required for the elimination from water.	Low	Yes
	Zinc - very harmful to aquatic and plant life.	Solid	Insoluble	High - very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	Low	High - Chemical and physical treatment is required for the elimination from water.	Low	Yes
Waste lead acid batteries	Lead - causes damage to unborn child, causes fertility issues, very toxic to aquatic life, harmful, can damage organs, potentially	Solid or powder	Low	High - harmful to aquatic organisms, may cause long term effects in the aquatic environment.	Low - due to being a solid contained within battery housing.	High - Chemical and physical treatment is required for the elimination from water.	Low	Yes

Substance	Chemical Characteristics /Risks	Physical State	Solubility	Toxicity	Mobility	Persistence and Biodegradability	Soil and Groundwater Pollution Potential	RHS
	carcinogenic, irritant.							
	Sulphuric acid - Corrosive, causes eye damage, toxic if inhaled.	Liquid	High	Medium - change of pH is damaging to aquatic life.	High	High - remains indefinitely in the environment as sulphate.	High	Yes
Waste Ni-Cd Batteries	Nickel - potentially carcinogenic, causes damage to organs, harmful to aquatic life.	Solid	Variable	High - harmful to aquatic organisms	Low - due to being a solid contained within battery housing.	High - Chemical and physical treatment is required for the elimination from water.	Low	Yes
	Cadmium - potentially carcinogenic, causes damage to organs, harmful to aquatic life, suspected of damaging fertility and the unborn child.	Solid	Variable (highly soluble in acidic environments)	High - very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	Low - due to being a solid contained within battery housing.	High - Chemical and physical treatment is required for the elimination from water.	Low	Yes
Mercury Containing Wastes	Mercury - causes damage to organs, very harmful to aquatic life, suspected of damaging the unborn child.	Liquid	Very low	Very High	High	High - Chemical and physical treatment is required for the elimination from water.	Medium	Yes
Site Effluent	Cadmium - potentially carcinogenic, causes damage to organs, harmful to aquatic life, suspected of damaging fertility	Solid	Variable (highly soluble in acidic environments)	High - very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	Low	High - Chemical and physical treatment is required for the elimination from water.	Low	Yes

Substance	Chemical Characteristics /Risks	Physical State	Solubility	Toxicity	Mobility	Persistence and Biodegradability	Soil and Groundwater Pollution Potential	RHS
	and the unborn child.							
	Copper - very harmful to aquatic life.	Solid	Variable (highly soluble in acidic environments)	High - very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	Low	High - Chemical and physical treatment is required for the elimination from water.	Low	Yes
	Mercury - causes damage to organs, very harmful to aquatic life, suspected of damaging the unborn child.	Liquid	Very low	Very High	High	High - Chemical and physical treatment is required for the elimination from water.	Medium	Yes
	Zinc - very harmful to aquatic and plant life.	Solid	Insoluble	High - very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	Low	High - Chemical and physical treatment is required for the elimination from water.	Low	Yes
Diesel, petrol, hydraulic oil, engine oil, machining, transmission and lubricating oils	Potentially carcinogenic, fatal, harmful, flammable, causes skin irritation, toxic to aquatic life.	Liquid	Low	Medium - Not toxic but harmful to aquatic life with long lasting effects.	High	Low - Not persistent, bioaccumulative and toxic (PBT) or very persistent, very bioaccumulative (vPvB) Substance.	Low	Yes
Insulation Materials Containing Asbestos	Asbestos – carcinogen, causes damage to lungs.	Solid (fibre)	Insoluble	High	Low - due to being a solid contained within material.	Very high	Low	Yes
Small Mixed WEEE	Skin irritant, liquid form can cause	Gas at ambient	Low - due to being gas	Low	High - in atmosphere	High - in atmosphere	Low	No

Substance	Chemical Characteristics /Risks	Physical State	Solubility	Toxicity	Mobility	Persistence and Biodegradability	Soil and Groundwater Pollution Potential	RHS
containing CFCs, HCFC, HFC	frostbite, may cause asphyxiation if it displaces oxygen. In atmosphere, causes depletion of ozone layer.	temperature, may be liquid at cooler temperatures.						
Small mixed WEEE containing printer toner cartridges	Skin and eye irritant, can cause dermatitis. Inks contain diethylene glycol, azonaphthalene sulfonate Salt.	Liquid or paste	High	Low - long term exposure in high concentrations can be toxic to aquatic environment Toxic if swallowed.	High	Medium - slow to biodegrade	Low	No
	Skin and eye irritant, can cause dermatitis. Inks contain diethylene glycol, azonaphthalene sulfonate, salt.	Liquid or paste	High	Low - long term exposure in high concentrations can be toxic to aquatic environment Toxic if swallowed.	High	Medium - slow to biodegrade	Low	No

8.0 Stage 3 – Assessment of the site-specific pollution possibility

- 8.1.1 The RHS identified in Stage 2 are to be considered in Stage 3 in the context of the site itself to determine whether circumstances exist which may result in the release of the substance in sufficient quantities to represent a pollution risk, either as a result of a singular emission or the accumulation from multiple emissions.
- 8.1.2 Circumstances under which emissions may occur include:
- Planned emissions;
 - Accidents and / or incidents; and
 - Routine operations.
- 8.1.3 An EMS will be established on site and will cover those elements required by the environmental permit. The EMS will include procedures to minimise the frequency of accidents or incidents occurring, as well as procedures to minimise the risk in the event of an accident or incident.
- 8.1.4 Management systems will be put in place to ensure that those operations which have the potential to give rise to significant environmental effects are controlled.
- 8.1.5 Planned maintenance routines will be established to ensure all key plant components which have the potential to affect the environmental performance of the facility remain in good working order. Maintenance routines will draw on manufacturers' recommendations, modified as appropriate by operational experience during the lifetime of the site.
- 8.1.6 An Emergency Contingency Plan (ECP) will detail those actions required in the event of an emergency or accident/incident. This will include small incidents such as minor spills and leaks and complaints, as well as major incidents such as fire. A system for recording and allocating appropriate follow-up for accidents, incidents and non-conformances will be established.
- 8.1.7 The only planned emission at the site is the site discharge to the surface water network. In Stage 2 this was discounted as an RHS.
- 8.1.8 Emissions as a result of the RHS used during routine operations are outlined in the sections below.

8.2 Turnings and cables containing oils, emulsions; ELV hazardous components; and solutions and wastes containing hazardous components

- 8.2.1 All wastes will be stored on an impermeable hardstanding surface.
- 8.2.2 The interceptor within the surface water drainage system will ensure metal particulates and hydrocarbons are retained for subsequent transfer from site to an authorised treatment facility.
- 8.2.3 Given the management measures in place at the site the potential risk to soil or groundwater is considered low.

8.3 Diesel, Petrol, Hydraulic, Engine, Lubricating, Machining, Insulating and Transmission Oil

- 8.3.1 Raw diesel will be stored within a 10,000 L double skinned tank. Non-waste oils are contained within IBCs and will be situated on bunds. A double skinned tank of circa 6,000 L will be used for waste oils. Table 8-1 provides the storage arrangements for diesel and oils.
- 8.3.2 All bunds are designed to contain any potential spillage and facilitate straightforward cleanup in the event of a spill and will contain 110% of the tank volume in compliance with CIRIA C736F.
- 8.3.3 All fittings and pipework are routed, including tanker connections, within bunded areas or provided with containment. As discussed in Section 5.1.14, spill kits will be in proximity of storage areas.
- 8.3.4 Given the management measures in place at the site the potential risk to soil or groundwater is considered low.

8.4 Lead Acid Batteries

- 8.4.1 Sulphuric acid is an RHS which can be highly toxic, mobile and harmful to soil and groundwater if it is released into the environment. Lead is considered an RHS because it can be toxic, persistent if released into the environment and can cause harm to soils and groundwater.
- 8.4.2 Lead can be found within lead acid batteries acting as the solid electrode; therefore, the risk of release is very low. Batteries will be stored in leak-proof acid-resistant battery boxes with lids to prevent the ingress of water or the egress of potentially contaminating liquids. No treatment of batteries will take place at the site which would expose the lead to the environment. No incidents relating to lead acid

batteries have historically been reported during similar operations under the former permit.

- 8.4.3 The potential risk to soil or groundwater is very low as the batteries are stored in leakproof containers with lids to capture any spillages or leaks. No treatment of lead acid batteries will take place at the site.

8.5 Ni-Cd Batteries

- 8.5.1 Nickel is a RHS that is potentially carcinogenic, causes damage to organs and is harmful to aquatic life. Cadmium is a RHS that is potentially carcinogenic, causes damage to organs, harmful to aquatic life, and suspected of damaging fertility and the unborn child.
- 8.5.2 Both RHS identified are solids within the batteries and all batteries will be stored in leak-proof battery boxes with lids to prevent the ingress of water or the egress of potentially contaminating liquids. No treatment of batteries will take place at the site which would expose nickel or cadmium to the environment.
- 8.5.3 The potential risk to soil or groundwater is very low as batteries are stored in leakproof containers with lids to capture any spillages or leaks. No treatment of ni-cd batteries will take place at the site.

8.6 Mercury Containing Wastes

- 8.6.1 Mercury is a RHS that is very harmful to aquatic life, suspected of damaging the unborn child and causes damage to organs. It is toxic and persistent if released into the environment.
- 8.6.2 The potential risk to soil or groundwater is very low as materials containing mercury will be stored in their largest form in appropriate sealed and/or leak proof containers. No treatment of insulation materials containing mercury will take place at the site.
- 8.6.3 Wastes containing Mercury are not treated on site and will be removed to a suitably authorised facility. All permitted activities will be undertaken on impermeable surfaces with a sealed drainage system.

8.7 Site Effluent

- 8.7.1 The site has a sealed drainage system that comprises an interceptor prior to discharge into surface water. There is a sample point at the discharge location to monitor the quality of the water being discharged and enables a response if high levels of metals are detected.

- 8.7.2 Site maintenance and inspection procedures will be implemented for the oil interceptor to prevent the discharge from causing pollution. Therefore, the site effluent presents a very low risk to soil or groundwater.

8.8 Insulation Materials Containing Asbestos

- 8.8.1 Asbestos is a RHS that is a carcinogen and causes damage to lungs. Asbestos is present within a range of solid materials. All asbestos containing materials will be double bagged and stored in a sealed container to prevent the release of material and prevent the ingress of water or other liquids. No treatment of asbestos containing material or routine re-bagging will take place at the site which would expose asbestos to the environment.
- 8.8.2 Therefore, the potential risk to soil or groundwater from asbestos is very low.

8.9 Site Specific Pollution Possibility

- 8.9.1 Table 8-1 below provides a summary of the site-specific pollution risk from each RHS identified in Stage 3 and details the potential receptors, pathways to receptors, pollution prevention measures to be implemented and, where appropriate, the volume of RHSs expected to be stored at the Site.

Table 8-1: Site Specific Pollution Possibility

RHS	Maximum amount stored at site	Details of existing pollution prevention measures and volumes stored	Pathway	Receptors	Is the RHS a pollution risk?
Fuels / Oils (Turnings, cables, ELV components and other wastes containing hazardous components)	Variable	All wastes are stored on impermeable hardstanding. The site has a sealed drainage system that comprises an interceptor prior to discharge into surface water. The effluent is tested on a quarterly basis.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Low
Copper (Turnings, cables, ELV components and other wastes containing hazardous components)	Variable	All wastes are stored on impermeable hardstanding. The site has a sealed drainage system that comprises an interceptor prior to discharge into surface water. The effluent is tested on a quarterly basis.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Low
Nickel (Turnings, cables, ELV components and other wastes containing hazardous components)	Variable	All wastes are stored on impermeable hardstanding. The site has a sealed drainage system that comprises an interceptor prior to discharge into surface water. The effluent is tested on a quarterly basis.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Low
Zinc (Turnings, cables, ELV components and other wastes containing hazardous components)	Variable	All wastes are stored on impermeable hardstanding. The site has a sealed drainage system that comprises an interceptor prior to discharge into surface water. The effluent is tested on a quarterly basis.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Low

RHS	Maximum amount stored at site	Details of existing pollution prevention measures and volumes stored	Pathway	Receptors	Is the RHS a pollution risk?
Diesel, petrol, hydraulic oils	Diesel: 10,000 L Oils: 9,000 L	Fresh fuel and oils: Diesel 10,000 litre double skinned tank. Hydraulic oil – 3,000 litre in 1,000 L IBCs. Waste oils: 6,000 litre double skinned tank. All containment is subject to regular visual inspections.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Low
Sulphuric Acid	Variable	Stored in leak proof containers with lids hold batteries within building. No treatment of batteries takes place on site.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Very low
Lead (Batteries)	Variable	Stored in leak proof containers with lids hold batteries within building. No treatment of batteries takes place on site.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Very low
Nickel (Batteries)	Variable	Stored in leak proof containers with lids hold batteries within building. No treatment of batteries takes place on site.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Very low
Cadmium (Batteries)	Variable	Stored in leak proof containers with lids hold batteries within building. No treatment of batteries takes place on site.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Very low

RHS	Maximum amount stored at site	Details of existing pollution prevention measures and volumes stored	Pathway	Receptors	Is the RHS a pollution risk?
Mercury (Batteries)	Variable	Stored in leak proof containers with lids hold batteries within building. No treatment of mercury containing materials takes place on site.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Very low
Cadmium (Site Effluent)	None	The site has a sealed drainage system that comprises an interceptor prior to discharge into surface water. The effluent is tested on a quarterly basis.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Very low
Copper (Site Effluent)	None	The site has a sealed drainage system that comprises an interceptor prior to discharge into surface water. The effluent is tested on a quarterly basis.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Very low
Mercury (Site Effluent)	None	The site has a sealed drainage system that comprises an interceptor prior to discharge into surface water. The effluent is tested on a quarterly basis.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Very low
Zinc (Site Effluent)	None	The site has a sealed drainage system that comprises an interceptor prior to discharge into surface water. The effluent is tested on a quarterly basis.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Very low

RHS	Maximum amount stored at site	Details of existing pollution prevention measures and volumes stored	Pathway	Receptors	Is the RHS a pollution risk?
Asbestos	Variable	All asbestos materials double bagged and stored in sealed containers. No treatment of asbestos containing materials takes place on site.	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Yes - Very low

8.9.2 Stage 3 of the baseline assessment determines that hazardous substances are present on site. However, as they have a low or very low risk of pollution and are to be effectively managed in accordance with the sites Environmental Management System, it is concluded that on a site-specific basis there are no RHS for which further site investigations would be required to obtain baseline data.

9.0 Site Characterisation

- 9.1.1 An outline conceptual site model (CSM) consists of an appraisal of the source-pathway-receptor 'contaminant linkages'. All three of the following components must be present to facilitate a potential 'pollutant linkage'.
- Source referring to the source of contamination (Hazard).
 - Pathway for the contaminant to move/migrate to receptor(s).
 - Receptor (target) that could be affected by the contaminant(s).
- 9.1.2 Receptors include human beings, controlled waters and buildings / structures.
- 9.1.3 As part of the assessment the potential risks to receptors for potential source is given one of the following classifications:
- Low risk - it is considered unlikely that issues within the category will give rise to significant harm to identified receptors
 - Moderate risk - it is possible, but not certain that issues within the category will give rise to significant harm to receptors
 - High risk - there is a high potential that issues within the category will give rise to significant harm to identified receptors

9.2 Potential Contaminant Sources

On Site – Operational Phase

- 9.2.1 The potential contamination sources from the facility are discussed in Sections 6 – 8. The principal release scenarios associated with RHS on site include:
- Accidental leakage during transfer, use and/or accidental damage to primary containment.
 - Accidental leakage / release because of either, a connection issue when refilling / emptying or due to failure of primary containment.
 - Accidental release of an RHS into the onsite drainage system.

On Site – Historical

- 9.2.2 The site has been used as a scrapyard or Metal Recycling Facility since 1981. Prior to this, historic maps indicate that the site was located on land used for railway sidings.
- 9.2.3 The site has the potential for contamination of soils and groundwater associated with period of railway use during the 1930s to 1970s, and subsequent metal recycling activities. Potential contaminants are typical of those associated with

engineering including metals; petroleum hydrocarbons (fuel, lubricants), chlorinated hydrocarbons (degreasing solvents, paints and coatings) and PCBs.

Off Site – Operational Phase and Historical

- 9.2.4 Surrounding land use has closely reflected on site use for an extended period. Nearby railway use, waste sites and neighbouring metal recycling or metal use activities has the potential to give rise to the same contaminants associated with both historical and current site use.

9.3 Potential Pathways

- 9.3.1 The following potential contamination pathways were identified at the installation particularly for surface water runoff from hardstanding:
- Controlled Waters:
 - Potential migration of dissolved phase soil contamination into groundwater.
 - Potential discharges of contaminants through the drainage system, from the site to local surface water courses.

9.3.2 As most, if not all, of the site is covered by structures or hardstanding the risks to ground and groundwater will be mitigated.

9.3.3 An interceptor is installed in the drainage system further reducing the potential of off-site contamination.

Associated Pollution Prevention Measures

- 9.3.4 General pollution prevention measures and mitigation measures associated with process and the RHS at the facility are described below:
- A combination of concrete bund / double skinned tanks are used in areas where potentially hazardous substances / materials are stored or used.
 - All storage vessels are situated on concrete bunded areas designed to contain 110% or more of the tank contents as per CIRIA 736 guidance. The bunded area therefore will retain any accidental releases associated with the loss of primary containment, tank overflow, or issues associated with connection during filling / emptying. The effectiveness of these pollution prevention measures to contain any accidental releases of stored product is dependent on routine integrity monitoring and maintenance of bunds and tanks implemented by the site management and training protocols with regards to tank filling / emptying delivered to key personnel.
 - The site will have an 'Emergency Contingency Plan' that forms part of the site EMS which sets out hazard identification and risk assessment. In addition, it

sets out steps to be taken by the operator to ensure that all preventative measures are in place to avoid an incident that does occur it can be mitigated in the most appropriate manner.

- Ward operates a formal inspection programme whereby tanks and bunds are visually inspected for any evidence of leaks / spills and general conditions on a regular basis.

9.4 Potential Receptors

- 9.4.1 Potential receptors include future site users and off-site human health receptors. Sensitive receptor plans are included in Appendix C.
- 9.4.2 Soil and surface waters are at risk due to the high infiltration value of surface soils.
- 9.4.3 The Secondary A (Alluvium) and Secondary Undifferentiated (Diamicton) Aquifers present beneath the site are not considered to represent particularly sensitive receptors. However, it may represent a pathway to nearby surface waterbodies.
- 9.4.4 The following key receptors that may be at risk from contamination in soils and groundwater beneath the installation were identified as:
- Controlled Waters:
 - Groundwater within the bedrock aquifers located beneath site.
 - The direction of the groundwater flow is unknown.
 - Surface Water:
 - Boulder Bridge Dike (2 m east), Shaw Dike (102 m south) and an unnamed pond, a part of Carlton Marsh, lies circa 270 m south-east.
 - Site discharge enters Shaw Dike via Boulder Bridge Dike and ultimately discharges to Cudworth Dyke at a point situated circa 100 m south of the site.

9.5 Outline Conceptual Site Model

- 9.5.1 An outline CSM has been developed on the basis of the Stage 1-3 assessment of RHS. The CSM is used to identify potential sources, pathways and receptors (i.e. potential pollutant linkages) on site and is summarised in Table 9-1 below.

Table 9-1: Conceptual Site Model

Location	Contaminant Source / Process	Potential Contaminants	Pathway	Receptor(s)	Probability	Risk Level to Receptor(s)	Notes
On site (current)	Turnings, cables, ELV components and other wastes containing hazardous components	Total Petroleum Hydrocarbons (TPH)	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.
		Copper	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.
		Nickel	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.
		Zinc	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.
	Diesel, Petrol, Hydraulic, Engine, Lubricating, Insulating and Transmission Oil	Total Petroleum Hydrocarbons (TPH)	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.
	Asbestos Containing Materials	Asbestos	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.
	Lead Acid Batteries	Sulphuric Acid	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.
		Lead	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.

Location	Contaminant Source / Process	Potential Contaminants	Pathway	Receptor(s)	Probability	Risk Level to Receptor(s)	Notes
	Ni-Cd Batteries	Nickel	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.
		Cadmium	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.
	Mercury Containing Materials	Mercury	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	The identified associated pollution prevention measures will mitigate the potential pathways to shallow soils, aquifers or nearby surface water receptors.
On site (historical)	Previously permitted installation (overlap with RHSs associated with current operation)	Total Petroleum Hydrocarbons (TPH) Sulphuric Acid Metals	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	Many of the identified associated pollution prevention measures were previously in place, mitigating the potential pathways to shallow soils, aquifers or nearby surface water receptors.
	Asbestos Containing Materials	Asbestos	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system. Inhalation.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	Many of the identified associated pollution prevention measures were previously in place, mitigating the potential pathways to shallow soils, aquifers or nearby surface water receptors.
	WEEE	PCBs	Leaching of mobile contaminants, vertical and lateral migration in permeable strata. Site surface water drainage system.	Human (Site Users) Shallow Soils Groundwater (Secondary Aquifer) Surface Waters	Very Unlikely	Low	Many of the identified associated pollution prevention measures were previously in place, mitigating the potential pathways to shallow soils, aquifers or nearby surface water receptors.
Off site (current)	Railway	Polycyclic aromatic hydrocarbons (PAHs) Fuel oils	Leaching of mobile contaminants, vertical and lateral migration in permeable strata.	Groundwater	Unlikely	Low	Any contaminants of concern (if present) could be localised within shallow groundwater.
Off site (historical)	Railway	Polycyclic aromatic hydrocarbons (PAHs) Fuel oils	Leaching of mobile contaminants, vertical and lateral migration in permeable strata.	Groundwater	Unlikely	Low	Any contaminants of concern (if present) could be localised within shallow groundwater.

10.0 Site Investigation

- 10.1.1 Stage 3 of the baseline assessment determined that hazardous substances are present on site, however as they have a low risk of pollution and are to be effectively managed in accordance with the sites Environmental Management System.
- 10.1.2 Therefore, it is concluded that on a site-specific basis there are no RHS for which site investigations would be required to obtain baseline data.

11.0 Produce a Site Baseline Report

- 11.1.1 This section of the IED baseline assessment is to summarise all of the information collected to produce a report which identifies the state of the soil and groundwater contamination by relevant hazardous substances.
- 11.1.2 Prior to the development of the site into a scrap metal yard in the early 1980s, the site was partially occupied by railway sidings. No on-site pollution incidents having significant impact on land or water have been recorded.
- 11.1.3 Several RHS have been identified at the site, including diesel, hydraulic oil and engine oil. These have subsequently been discounted as RHS on the basis that there is very low or low pollution potential from the storage and use of these substances at this site.
- 11.1.4 An intrusive ground investigation at the site to gather baseline data is therefore not proposed.

12.0 Operational Stage Site Condition Report

- 12.1.1 This section of the SCBR sets out the information that will be recorded relevant to the condition of the site during the operational phase of the facility.

12.2 Keeping Records

- 12.2.1 To maintain this SCBR, records will be kept as per procedures in the EMS and will include:
- Details of any agreed changes to your permitted activities.
 - Records of how you have inspected, maintained and where applicable repaired or updated your pollution prevention measures.
 - Site investigation, remediation and verification reports to show how you have managed pollution incidents.
 - Monitoring results for soil and groundwater or other media, if applicable.

12.3 Making a Change to the Activity

- 12.3.1 If a change is required to site boundary or the permitted activity changes to produce or release new substances, the SCBR must be updated to include the new area and/or a Stage 1-3 assessment of the new substances. This also applies if any hazardous substances used, produced or released are relocated to a new area within the site boundary.
- 12.3.2 If applicable, new baseline reference data will be established.

12.4 Inspect and Maintain Pollution Prevention Measures

- 12.4.1 Pollution prevention measures will be inspected and maintained following BAT recommendations to ensure soil and groundwater are protected from the permitted activities.
- 12.4.2 Records of the information will be kept:
- Closed circuit television (CCTV) inspection surveys for below ground drainage systems.
 - Damage or failure.
 - Maintenance, repair and replacement.
 - Design, construction and quality assurance of any new measures.
- 12.4.3 The SCBR will include a summary of EMS procedure relevant to pollution prevention measures. The EMS will consider the effects of climate change on the installation.

12.5 Manage Pollution Incidents

- 12.5.1 The SCBR will be updated to include records capturing all pollution incidents and information on how incidents were dealt with at the time they occurred. Records will include the following:
- Records of pollution incidents and associated corrective actions.
 - Steps taken to return the site to its original condition (if applicable).
 - Any site investigation, remediation and verification reports.

12.6 Monitor Soil and Groundwater

- 12.6.1 Onsite potential contaminants have a low probability of infiltrating soil, groundwater or surface waters due to the pollution prevention measures outlined in Section 8.0.
- 12.6.2 Soil and groundwater monitoring is usually expected to be monitored on a 5- and 10-year basis unless otherwise agreed with the Environment Agency based on risk.

Unless there have been changes such as significant incidents or changes to the raw materials for example, due to the low risk of contamination, a risk-based assessment may be suitable. This would be reviewed at the time of each 5-year monitoring period.

13.0 Surrender Site Condition Report

13.1.1 At permit surrender, a site surrender condition report will be prepared and submitted to the EA as part of the permit surrender application. Information that has been gathered over the lifetime of the Permit will be used to identify whether the land is in a satisfactory condition. If necessary, surrender reference data will be collected, and remediation will be undertaken if required.

13.2 Requirements

13.2.1 Information related to the following will be provided at site surrender:

- Decommissioning
- Scope of surrender
- Intrusive investigation requirements
- Remediation
- Statement of site condition

14.0 Conclusion

14.1.1 The purpose of this SCR is to provide information to the Environment Agency in relation to the operations and to provide a framework against which potential future contamination issues will be assessed.

14.1.2 An assessment of the condition of the Boulder Bridge Lane site, to be operated by Donald Ward Ltd primarily for metal recycling, included:

- A review of accepted wastes, raw materials and discharges from the site
- A stage 1-3 assessment to determine RHSs

14.1.3 The review of all materials (waste or raw) and stage 1-3 assessment determined that hazardous substances are present on site. However, as they have a low or very low risk of pollution it concluded there are no RHS for which further site investigations would be required to obtain baseline data.

Appendix A: Competencies

Authors Competencies

The Tetra Tech Environmental Permitting Team has extensive experience supporting clients in complying with the Environmental Permitting (England and Wales) Regulations 2016 (EPR). The team has long-standing expertise in preparing regulator-compliant permit applications and associated documentation, including Site Condition and Baseline Reports across a wide range of industrial and waste sectors. They are familiar with UK and EU guidance relating to site condition and baseline reports and routinely apply this to the applications they support.

The Environmental Permitting team works alongside Ground Investigation specialists to design and deliver baseline data collection and ongoing monitoring requirements.

Team Experience and Qualifications

Jennifer Stringer – Technical Director

Jennifer has over 30 years' experience in environmental compliance within both industry and consultancy. She specialises in the provision of environmental permitting and environmental risk assessment support for complex industrial developments. Jennifer holds Master's degrees in Chemical Engineering and Environmental Pollution Control, and has extensive experience interpreting and applying the EPR, Best Available Techniques (BAT), and related regulatory frameworks.

She has been preparing and overseeing site condition and baseline reports in accordance with EA, NRW and SEPA requirements since they were introduced in 2000. Her experience includes application site condition reports for new facilities, variations, surrender site condition reports and those required via Regulation 61 notices. She also supports clients in delivering ongoing monitoring requirements related to site condition including responding to permit condition requirements for 5 yearly groundwater and 10 yearly soil sampling.

Alex Kingston – Environmental Consultant

Alex holds a Master's degree in Environmental and Energy Engineering and has prior experience working within heavy industry. His background includes implementing and managing environmental management systems, internal auditing, environmental training, and liaising with regulatory bodies.

In consultancy, Alex has contributed to the production of key technical permitting documents including Site Condition Reports, Environmental Risk Assessments, Waste Recovery Plans and Waste Acceptance Procedures.

Appendix B: Groundsure Report

794-ENV-EPC-23680 Ward Barnsley

Order Details

Date: 27/04/2026
Your ref: 794-ENV-EPC-23680
Our Ref: RPS-9ZZ-QJK-89N-TMM

Site Details

Location: 437605 410500
Area: 2.92 ha
Authority: [Barnsley Metropolitan Borough Council](#)
↗

Site plan



Quick Links

[Summary of findings](#) [p. 2 >](#)
[OS MasterMap site plan](#) [p.14 >](#)
[Aerial image](#) [p. 9 >](#)

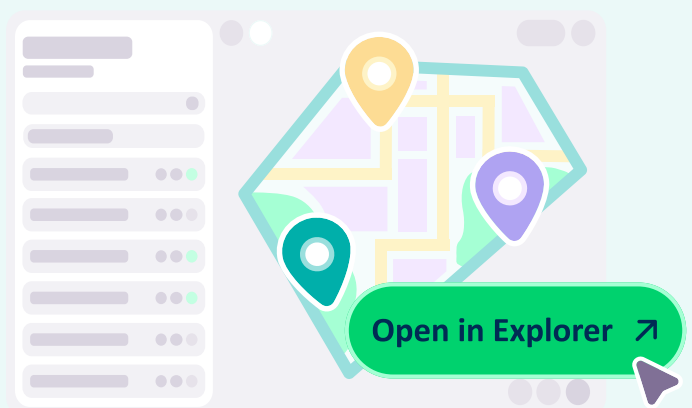
[Insight User Guide](#) ↗

Open this site in Explorer!

Access the data now in our interactive workspace.

- Map and interpret 130+ datasets across 170 years
- Generate insights and visuals quickly
- Revisit and collaborate with your team

Access to Groundsure Explorer requires an Insights account.
12 months access begins at purchase.



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 >	13	18	29	39	-
19 >	1.2 >	Historical tanks >	1	2	0	10	-
20 >	1.3 >	Historical energy features >	0	0	0	2	-
20	1.4	Historical petrol stations	0	0	0	0	-
21	1.5	Historical garages	0	0	0	0	-
21	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
22 >	2.1 >	Historical industrial land uses >	21	27	40	66	-
28 >	2.2 >	Historical tanks >	1	2	0	14	-
29 >	2.3 >	Historical energy features >	0	0	0	3	-
29	2.4	Historical petrol stations	0	0	0	0	-
30	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
31 >	3.1 >	Active or recent landfill >	0	0	0	1	-
32	3.2	Historical landfill (BGS records)	0	0	0	0	-
32	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
32 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	2	2	-
33 >	3.5 >	Historical waste sites >	8	19	22	5	-
41 >	3.6 >	Licensed waste sites >	5	13	27	10	-
55 >	3.7 >	Waste exemptions >	3	7	15	5	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
59 >	4.1 >	Recent industrial land uses >	2	3	5	-	-
60 >	4.2 >	National Geographic Database (NGD) - Current or recent tanks >	0	1	0	-	-
61	4.3	Current or recent petrol stations	0	0	0	0	-
61	4.4	Electricity cables	0	0	0	0	-
61	4.5	Gas pipelines	0	0	0	0	-



61	4.6	Sites determined as Contaminated Land	0	0	0	0	-
61 >	4.7 >	Control of Major Accident Hazards (COMAH) >	0	0	1	0	-
62	4.8	Regulated explosive sites	0	0	0	0	-
62	4.9	Hazardous substance storage/usage	0	0	0	0	-
62	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
62	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
62 >	4.12 >	Licensed pollutant release (Part A(2)/B) >	0	0	2	0	-
63	4.13	Radioactive Substance Authorisations	0	0	0	0	-
63 >	4.14 >	Licensed Discharges to controlled waters >	0	0	2	6	-
65	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
65	4.16	Pollutant release to public sewer	0	0	0	0	-
65	4.17	List 1 Dangerous Substances	0	0	0	0	-
65	4.18	List 2 Dangerous Substances	0	0	0	0	-
65 >	4.19 >	Pollution Incidents (EA/NRW) >	4	4	18	18	-
70	4.20	Pollution inventory substances	0	0	0	0	-
70	4.21	Pollution inventory waste transfers	0	0	0	0	-
71	4.22	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
72 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
74 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
76 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
77	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
77	5.5	Groundwater vulnerability- local information	None (within 0m)				
78	5.6	Groundwater abstractions	0	0	0	0	0
79 >	5.7 >	Surface water abstractions >	0	0	0	0	2
79	5.8	Potable abstractions	0	0	0	0	0
80	5.9	Source Protection Zones	0	0	0	0	-
80	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m



81 >	6.1 >	Water Network (OS NGD) >	0	1	9	-	-
82 >	6.2 >	Surface water features >	0	0	1	-	-
83 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
83 >	6.4 >	WFD Surface water bodies >	0	1	0	-	-
83 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
85 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
86 >	7.2 >	Historical Flood Events >	0	0	1	-	-
86	7.3	Flood Defences	0	0	0	-	-
86	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
87	7.5	Flood Storage Areas	0	0	0	-	-
88 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
89 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
90 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
92 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	1	1	0	0
94	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
94	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
94	10.4	Special Protection Areas (SPA)	0	0	0	0	0
94	10.5	National Nature Reserves (NNR)	0	0	0	0	0
95 >	10.6 >	Local Nature Reserves (LNR) >	0	0	1	0	0
95	10.7	Designated Ancient Woodland	0	0	0	0	0
95	10.8	Biosphere Reserves	0	0	0	0	0
95	10.9	Forest Parks	0	0	0	0	0
96	10.10	Marine Conservation Zones	0	0	0	0	0
96 >	10.11 >	Green Belt >	0	1	0	0	1



96	10.12	Proposed Ramsar sites	0	0	0	0	0
96	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
97	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
97	10.15	Nitrate Sensitive Areas	0	0	0	0	0
97 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	0	1
98 >	10.17 >	SSSI Impact Risk Zones >	3	-	-	-	-
99 >	10.18 >	SSSI Units >	0	1	1	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
101	11.1	World Heritage Sites	0	0	0	-	-
101	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
101	11.3	National Parks	0	0	0	-	-
101	11.4	Listed Buildings	0	0	0	-	-
102	11.5	Conservation Areas	0	0	0	-	-
102	11.6	Scheduled Ancient Monuments	0	0	0	-	-
102	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
103 >	12.1 >	Agricultural Land Classification >	Grade 4 (within 250m)				
104	12.2	Open Access Land	0	0	0	-	-
104	12.3	Tree Felling Licences	0	0	0	-	-
104	12.4	Environmental Stewardship Schemes	0	0	0	-	-
105 >	12.5 >	Countryside Stewardship Schemes >	0	0	1	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
106 >	13.1 >	Priority Habitat Inventory >	0	0	5	-	-
107	13.2	Habitat Networks	0	0	0	-	-
107	13.3	Open Mosaic Habitat	0	0	0	-	-
107	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
108 >	14.1 >	10k Availability >	Identified (within 500m)				
109 >	14.2 >	Artificial and made ground (10k) >	1	1	2	4	-



111 >	14.3 >	Superficial geology (10k) >	2	0	0	2	-
112	14.4	Landslip (10k)	0	0	0	0	-
113 >	14.5 >	Bedrock geology (10k) >	2	3	4	3	-
114 >	14.6 >	Bedrock faults and other linear features (10k) >	3	0	0	8	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
116 >	15.1 >	50k Availability >	Identified (within 500m)				
117 >	15.2 >	Artificial and made ground (50k) >	1	0	1	1	-
118 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
119 >	15.4 >	Superficial geology (50k) >	2	0	0	1	-
120 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
120	15.6	Landslip (50k)	0	0	0	0	-
120	15.7	Landslip permeability (50k)	None (within 50m)				
121 >	15.8 >	Bedrock geology (50k) >	2	3	4	2	-
122 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
122 >	15.10 >	Bedrock faults and other linear features (50k) >	2	2	0	9	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
124 >	16.1 >	BGS Boreholes >	0	1	0	-	-
Page	Section	Natural ground subsidence >					
125 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
126 >	17.2 >	Running sands >	Low (within 50m)				
128 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
130 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
131 >	17.5 >	Landslides >	Very low (within 50m)				
132 >	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
134 >	18.1 >	BritPits >	0	0	0	1	-
135 >	18.2 >	Surface ground workings >	1	0	19	-	-
136 >	18.3 >	Underground workings >	0	0	3	1	5
137	18.4	Underground mining extents	0	0	0	0	-



137	18.5	Historical Mineral Planning Areas	0	0	0	0	-
137 >	18.6 >	Non-coal mining >	3	1	1	2	17
140	18.7	JPB mining areas	None (within 0m)				
140	18.8	The Coal Authority non-coal mining	0	0	0	0	-
141	18.9	Researched mining	0	0	0	0	-
141	18.10	Mining record office plans	0	0	0	0	-
141	18.11	BGS mine plans	0	0	0	0	-
141 >	18.12 >	Coal mining >	Identified (within 0m)				
142	18.13	Brine areas	None (within 0m)				
142	18.14	Gypsum areas	None (within 0m)				
142	18.15	Tin mining	None (within 0m)				
142	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
143	19.1	Natural cavities	0	0	0	0	-
143	19.2	Mining cavities	0	0	0	0	0
143	19.3	Reported recent incidents	0	0	0	0	-
143	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
145 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
147 >	21.1 >	BGS Estimated Background Soil Chemistry >	11	8	-	-	-
148	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
148	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
149	22.1	Underground railways (London)	0	0	0	-	-
149	22.2	Underground railways (Non-London)	0	0	0	-	-
150	22.3	Railway tunnels	0	0	0	-	-
150 >	22.4 >	Historical railway and tunnel features >	6	11	6	-	-
151	22.5	Royal Mail tunnels	0	0	0	-	-



151 >	22.6 >	Historical railways >	0	1	4	-	-
152 >	22.7 >	Railways >	0	2	4	-	-
152	22.8	Crossrail 2	0	0	0	0	-
152 >	22.9 >	HS2 >	0	0	0	5	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2026. All Rights Reserved.

Capture Date: 11/07/2025

Site Area: 2.92ha



Recent site history - 2021 aerial photograph



Capture Date: 19/04/2021

Site Area: 2.92ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 2.92ha



Recent site history - 2009 aerial photograph



Capture Date: 11/09/2009

Site Area: 2.92ha



Recent site history - 1999 aerial photograph



Capture Date: 10/07/1999

Site Area: 2.92ha



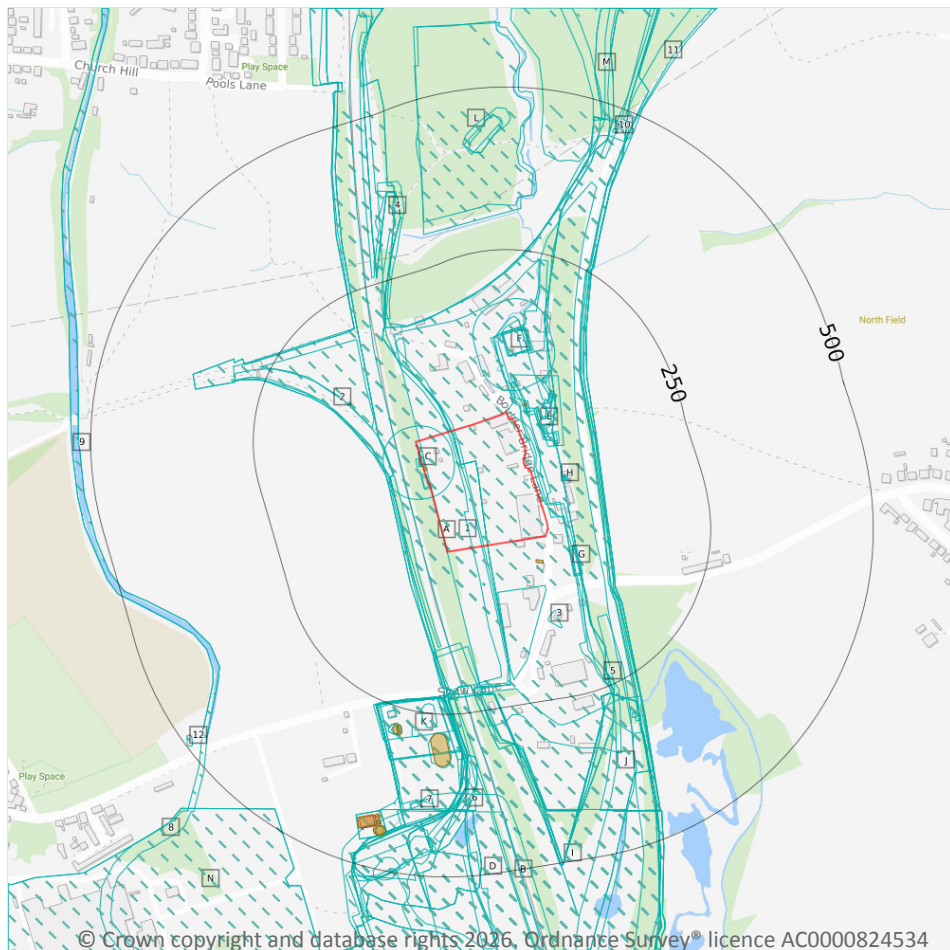
OS MasterMap site plan



Site Area: 2.92ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

1.1 Historical industrial land uses

Records within 500m

99

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

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

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Ground Workings	1978	1440865



ID	Location	Land use	Dates present	Group ID
A	On site	Railway Sidings	1938	1431496
A	On site	Railway Sidings	1938 - 1955	1496743
A	On site	Railway Sidings	1930	1522237
B	On site	Railway Sidings	1966	1481220
B	On site	Railway Sidings	1966	1481221
B	On site	Railway Sidings	1966	1481222
B	On site	Railway Sidings	1930	1539030
C	On site	Pumping Station	1930	1482116
C	On site	Pumping Station	1938	1493892
C	On site	Railway Building	1938 - 1948	1498371
C	On site	Railway Building	1930	1511536
C	On site	Pumping Station	1904	1550421
C	1m W	Pumping Station	1948	1546428
D	4m E	Railway Sidings	1904	1552762
D	13m E	Railway Sidings	1891 - 1894	1547732
E	22m NE	Railway Buildings	1948	1510775
E	24m NE	Railway Building	1938	1476719
E	27m NE	Railway Buildings	1951	1550053
E	32m NE	Railway Buildings	1891 - 1904	1522330
E	33m E	Railway Buildings	1938	1489984
F	34m N	Unspecified Depot	1891 - 1904	1514584
G	39m SE	Railway Buildings	1938 - 1948	1499029
E	42m N	Railway Building	1938	1476720
H	43m E	Railway Building	1948	1567077
H	43m E	Railway Building	1904	1571969
G	43m SE	Railway Buildings	1951 - 1966	1580081
H	44m E	Railway Building	1938	1568912
E	46m E	Railway Building	1904	1476722



ID	Location	Land use	Dates present	Group ID
2	47m W	Railway Sidings	1930	1558140
E	47m E	Railway Buildings	1938	1580139
E	52m NE	Railway Buildings	1938	1552121
E	73m NE	Railway Building	1938	1476718
B	74m S	Unspecified Depot	1989	1445532
F	86m N	Engine Shed	1930	1502614
F	87m N	Engine Shed	1948	1569413
F	87m N	Engine Shed	1938	1540331
F	94m N	Engine Shed	1951	1578905
3	115m S	Pumping Station	1904	1480786
I	141m S	Railway Sidings	1974 - 1982	1500102
J	148m SE	Railway Sidings	1978	1580599
4	193m N	Unspecified Ground Workings	1978	1440864
I	208m S	Colliery	1930	1481475
I	208m S	Colliery	1930	1481476
I	208m S	Colliery	1938	1481477
I	208m S	Colliery	1948	1481478
I	208m S	Colliery	1938	1481479
I	208m S	Colliery	1930	1579625
I	219m S	Colliery	1904	1525998
I	223m S	Colliery	1891	1534565
K	223m S	Sewage Works	1938	1505260
K	223m S	Sewage Works	1948	1562064
K	223m S	Sewage Works	1978 - 1989	1497233
K	224m S	Sewage Works	1951	1511116
K	225m S	Sewage Works	1904	1550464
K	225m S	Sewage Works	1930	1481927
K	226m S	Unspecified Works	1966	1579340



ID	Location	Land use	Dates present	Group ID
I	226m S	Railway Sidings	1930	1519748
5	230m SE	Railway Building	1948	1476721
K	235m S	Unspecified Tanks	1951 - 1966	1501636
K	256m S	Pump House	1978 - 1989	1506295
K	274m S	Unspecified Tanks	1930	1562767
K	274m S	Unspecified Tanks	1938 - 1948	1560580
K	276m S	Unspecified Tanks	1904	1553064
K	278m S	Unspecified Tank	1966	1473857
K	278m S	Unspecified Tanks	1951	1486480
K	279m S	Unspecified Tanks	1951 - 1966	1491128
L	297m N	Unspecified Works	1966 - 1978	1481631
J	303m SE	Railway Building	1904	1476723
I	306m S	Refuse Heap	1938	1576743
J	310m SE	Railway Building	1951	1476717
I	315m S	Refuse Heap	1966	1514304
L	315m N	Sewage Works	1951	1470666
6	347m S	Refuse Heap	1989	1577605
I	371m S	Unspecified Mine	1966	1442768
7	380m S	Unspecified Works	1966	1548378
8	391m SW	Disused Canal	1966	1563203
9	391m SW	Disused Canal	1978 - 1989	1577844
M	395m N	Refuse Heap	1989	1435424
I	396m S	Unspecified Disused Tip	1982 - 1992	1507788
I	396m S	Unspecified Disused Tip	1974	1570703
I	399m S	Colliery	1955	1481527
I	399m S	Refuse Heap	1955	1502965
L	400m N	Unspecified Tanks	1948	1578651
L	401m N	Unspecified Tanks	1966 - 1978	1516769



ID	Location	Land use	Dates present	Group ID
L	401m N	Unspecified Tanks	1951	1564783
I	411m S	Unspecified Works	1992	1484341
I	411m S	Unspecified Works	1982	1493903
I	418m S	Refuse Heap	1948	1564490
M	419m N	Railway Sidings	1930	1490822
I	424m S	Refuse Heap	1930	1483265
I	433m S	Unspecified Tank	1982 - 1992	1519236
I	440m S	Clay Pit	1904	1453703
10	461m N	Railway Building	1948	1476738
N	476m SW	Unspecified Commercial/Industrial	1982	1491237
N	476m SW	Unspecified Commercial/Industrial	1992	1521188
I	478m S	Refuse Heap	1904	1542542
11	485m N	Cuttings	1891	1520801
12	485m SW	Lime Kilns	1854	1521395

This data is sourced from Ordnance Survey® / Groundsure.

1.2 Historical tanks

Records within 500m

13

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

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

ID	Location	Land use	Dates present	Group ID
C	On site	Unspecified Tank	1962	239955
E	27m NE	Unspecified Tank	1913	239960
B	33m S	Tanks	1999	234739
K	276m S	Tanks	1962	258663



ID	Location	Land use	Dates present	Group ID
K	277m S	Tanks	1906 - 1913	259734
K	280m S	Tanks	1962	234741
I	417m S	Unspecified Tank	1988	239950
I	418m S	Tanks	1993 - 1999	244831
I	420m S	Unspecified Tank	1988	239949
I	424m S	Tanks	1988	249667
I	427m S	Tanks	1993 - 1999	255331
I	433m S	Unspecified Tank	1988	239951
I	434m S	Tanks	1993 - 1999	258882

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
I	420m S	Electricity Substation	1993 - 1999	152673
I	443m S	Electricity Substation	1988	154569

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

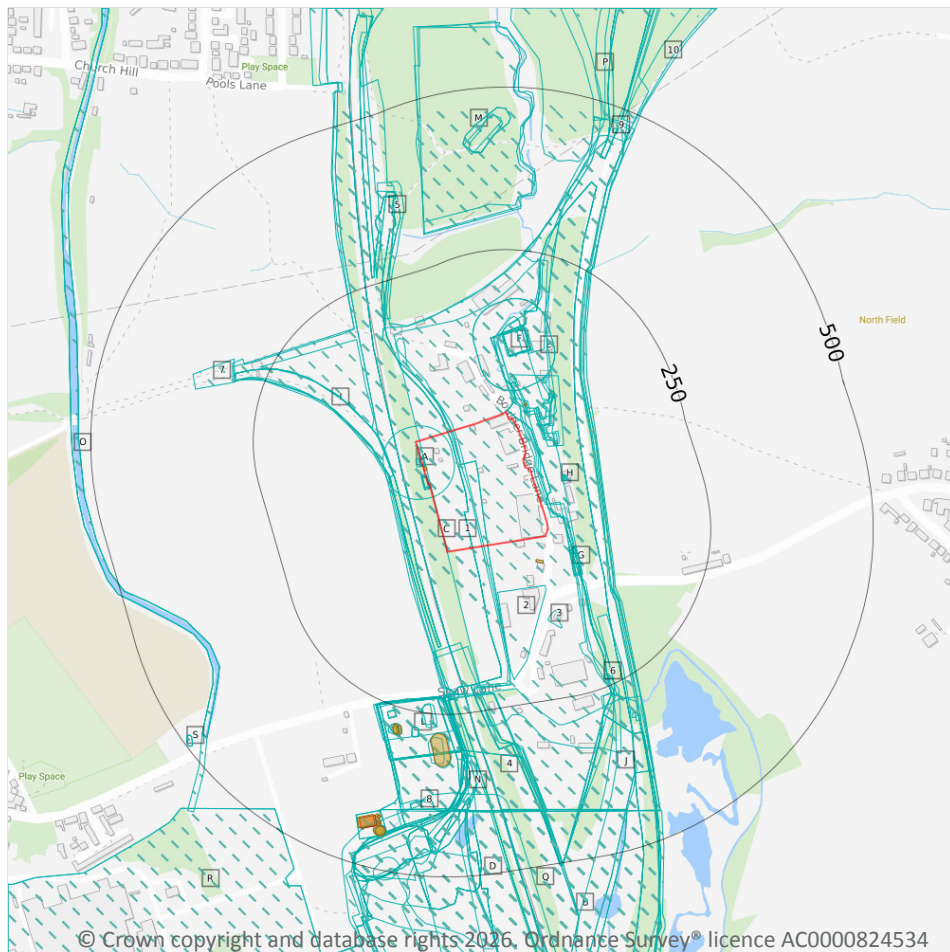
0

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



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

2.1 Historical industrial land uses

Records within 500m

154

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

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

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Ground Workings	1978	1440865
A	On site	Pumping Station	1904	1550421
A	On site	Pumping Station	1930	1482116



ID	Location	Land Use	Date	Group ID
A	On site	Railway Building	1930	1511536
A	On site	Pumping Station	1930	1482116
A	On site	Railway Building	1930	1511536
A	On site	Pumping Station	1930	1482116
A	On site	Railway Building	1930	1511536
A	On site	Pumping Station	1930	1482116
A	On site	Railway Building	1930	1511536
A	On site	Railway Sidings	1966	1481221
A	On site	Railway Sidings	1951	1496743
A	On site	Pumping Station	1938	1493892
A	On site	Railway Building	1938	1498371
A	On site	Railway Building	1948	1498371
B	On site	Railway Sidings	1930	1539030
B	On site	Railway Sidings	1930	1539030
B	On site	Railway Sidings	1930	1539030
B	On site	Railway Sidings	1930	1539030
C	On site	Railway Sidings	1938	1431496
C	On site	Railway Sidings	1948	1496743
A	1m W	Pumping Station	1948	1546428
D	4m E	Railway Sidings	1904	1552762
E	12m E	Railway Sidings	1951	1496743
D	13m E	Railway Sidings	1891	1547732
E	22m NE	Railway Buildings	1948	1510775
E	24m NE	Railway Building	1938	1476719
E	27m NE	Railway Buildings	1951	1550053
E	32m NE	Railway Buildings	1904	1522330
E	33m E	Railway Buildings	1938	1489984
F	34m N	Unspecified Depot	1904	1514584



ID	Location	Land Use	Date	Group ID
F	34m N	Unspecified Depot	1891	1514584
E	35m E	Railway Buildings	1891	1522330
E	37m E	Railway Sidings	1966	1481222
G	39m SE	Railway Buildings	1948	1499029
G	40m SE	Railway Buildings	1938	1499029
E	42m N	Railway Building	1938	1476720
H	43m E	Railway Building	1948	1567077
H	43m E	Railway Building	1904	1571969
G	43m SE	Railway Buildings	1966	1580081
H	44m E	Railway Building	1938	1568912
G	45m SE	Railway Buildings	1951	1580081
E	46m E	Railway Building	1904	1476722
I	47m W	Railway Sidings	1930	1522237
I	47m W	Railway Sidings	1930	1558140
I	47m W	Railway Sidings	1930	1522237
I	47m W	Railway Sidings	1930	1558140
E	47m E	Railway Buildings	1938	1580139
E	52m NE	Railway Buildings	1938	1552121
E	73m NE	Railway Building	1938	1476718
2	74m S	Unspecified Depot	1989	1445532
F	86m N	Engine Shed	1930	1502614
F	86m N	Engine Shed	1930	1502614
F	86m N	Engine Shed	1930	1502614
F	86m N	Engine Shed	1930	1502614
F	87m N	Engine Shed	1948	1569413
F	87m N	Engine Shed	1938	1540331
F	94m N	Engine Shed	1951	1578905
3	115m S	Pumping Station	1904	1480786



ID	Location	Land Use	Date	Group ID
4	141m S	Railway Sidings	1978	1500102
J	148m SE	Railway Sidings	1978	1580599
5	193m N	Unspecified Ground Workings	1978	1440864
K	208m S	Colliery	1930	1579625
K	208m S	Colliery	1930	1481475
K	208m S	Colliery	1930	1579625
K	208m S	Colliery	1930	1481476
K	219m S	Colliery	1904	1525998
K	219m S	Colliery	1948	1481478
K	223m S	Colliery	1891	1534565
L	223m S	Sewage Works	1938	1505260
L	223m S	Sewage Works	1938	1505260
L	223m S	Sewage Works	1948	1562064
L	223m S	Sewage Works	1989	1497233
L	223m S	Sewage Works	1978	1497233
L	224m S	Sewage Works	1951	1511116
L	225m S	Sewage Works	1904	1550464
L	225m S	Sewage Works	1930	1481927
L	225m S	Sewage Works	1930	1481927
L	225m S	Sewage Works	1930	1481927
L	225m S	Sewage Works	1930	1481927
L	226m S	Unspecified Works	1966	1579340
K	226m S	Railway Sidings	1930	1519748
K	226m S	Railway Sidings	1930	1522237
K	226m S	Railway Sidings	1930	1519748
K	226m S	Railway Sidings	1930	1522237
6	230m SE	Railway Building	1948	1476721
L	235m S	Unspecified Tanks	1966	1501636



ID	Location	Land Use	Date	Group ID
L	237m S	Unspecified Tanks	1951	1501636
L	256m S	Pump House	1989	1506295
L	256m S	Pump House	1978	1506295
L	274m S	Unspecified Tanks	1930	1562767
L	274m S	Unspecified Tanks	1930	1562767
L	274m S	Unspecified Tanks	1930	1562767
L	274m S	Unspecified Tanks	1930	1562767
L	274m S	Unspecified Tanks	1938	1560580
L	276m S	Unspecified Tanks	1948	1560580
L	276m S	Unspecified Tanks	1904	1553064
L	278m S	Unspecified Tank	1966	1473857
L	278m S	Unspecified Tanks	1951	1486480
L	279m S	Unspecified Tanks	1966	1491128
L	286m S	Unspecified Tanks	1951	1491128
7	293m W	Railway Sidings	1938	1496743
M	297m N	Unspecified Works	1978	1481631
M	299m N	Unspecified Works	1966	1481631
J	303m SE	Railway Building	1904	1476723
K	306m S	Refuse Heap	1938	1576743
K	306m S	Colliery	1938	1481477
K	306m S	Refuse Heap	1938	1576743
K	306m S	Colliery	1938	1481479
J	310m SE	Railway Building	1951	1476717
M	315m N	Sewage Works	1951	1470666
N	315m S	Refuse Heap	1966	1514304
N	347m S	Refuse Heap	1989	1577605
K	371m S	Unspecified Mine	1966	1442768
8	380m S	Unspecified Works	1966	1548378



ID	Location	Land Use	Date	Group ID
O	391m SW	Disused Canal	1989	1577844
O	391m SW	Disused Canal	1978	1577844
O	391m SW	Disused Canal	1966	1563203
P	395m N	Refuse Heap	1989	1435424
K	396m S	Unspecified Disused Tip	1992	1507788
K	396m S	Unspecified Disused Tip	1982	1507788
K	396m S	Unspecified Disused Tip	1974	1570703
K	396m S	Refuse Heap	1966	1514304
Q	396m S	Railway Sidings	1966	1481220
K	399m S	Refuse Heap	1955	1502965
K	399m S	Colliery	1955	1481527
Q	399m S	Railway Sidings	1955	1496743
M	400m N	Unspecified Tanks	1948	1578651
M	401m N	Unspecified Tanks	1978	1516769
M	401m N	Unspecified Tanks	1966	1516769
M	401m N	Unspecified Tanks	1951	1564783
Q	404m S	Railway Sidings	1982	1500102
Q	404m S	Railway Sidings	1974	1500102
K	411m S	Unspecified Works	1992	1484341
K	411m S	Unspecified Works	1982	1493903
K	418m S	Refuse Heap	1948	1564490
P	419m N	Railway Sidings	1930	1490822
P	419m N	Railway Sidings	1930	1490822
P	419m N	Railway Sidings	1930	1490822
P	419m N	Railway Sidings	1930	1490822
K	424m S	Refuse Heap	1930	1483265
K	424m S	Refuse Heap	1930	1483265
K	424m S	Refuse Heap	1930	1483265



ID	Location	Land Use	Date	Group ID
K	424m S	Refuse Heap	1930	1483265
K	433m S	Unspecified Tank	1992	1519236
K	433m S	Unspecified Tank	1982	1519236
K	440m S	Clay Pit	1904	1453703
9	461m N	Railway Building	1948	1476738
R	476m SW	Unspecified Commercial/Industrial	1992	1521188
R	476m SW	Unspecified Commercial/Industrial	1982	1491237
K	478m S	Refuse Heap	1904	1542542
10	485m N	Cuttings	1891	1520801
S	485m SW	Lime Kilns	1854	1521395
S	485m SW	Lime Kilns	1854	1521395

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m

17

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

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

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1962	239955
E	27m NE	Unspecified Tank	1913	239960
B	33m S	Tanks	1999	234739
L	276m S	Tanks	1962	258663
L	277m S	Tanks	1906	259734
L	277m S	Tanks	1913	259734
L	280m S	Tanks	1962	234741
K	417m S	Unspecified Tank	1988	239950
K	418m S	Tanks	1999	244831



ID	Location	Land Use	Date	Group ID
K	418m S	Tanks	1993	244831
K	420m S	Unspecified Tank	1988	239949
K	424m S	Tanks	1988	249667
K	427m S	Tanks	1999	255331
K	427m S	Tanks	1993	255331
K	433m S	Unspecified Tank	1988	239951
K	434m S	Tanks	1999	258882
K	434m S	Tanks	1993	258882

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m

3

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

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

ID	Location	Land Use	Date	Group ID
K	420m S	Electricity Substation	1999	152673
K	420m S	Electricity Substation	1993	152673
K	443m S	Electricity Substation	1988	154569

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

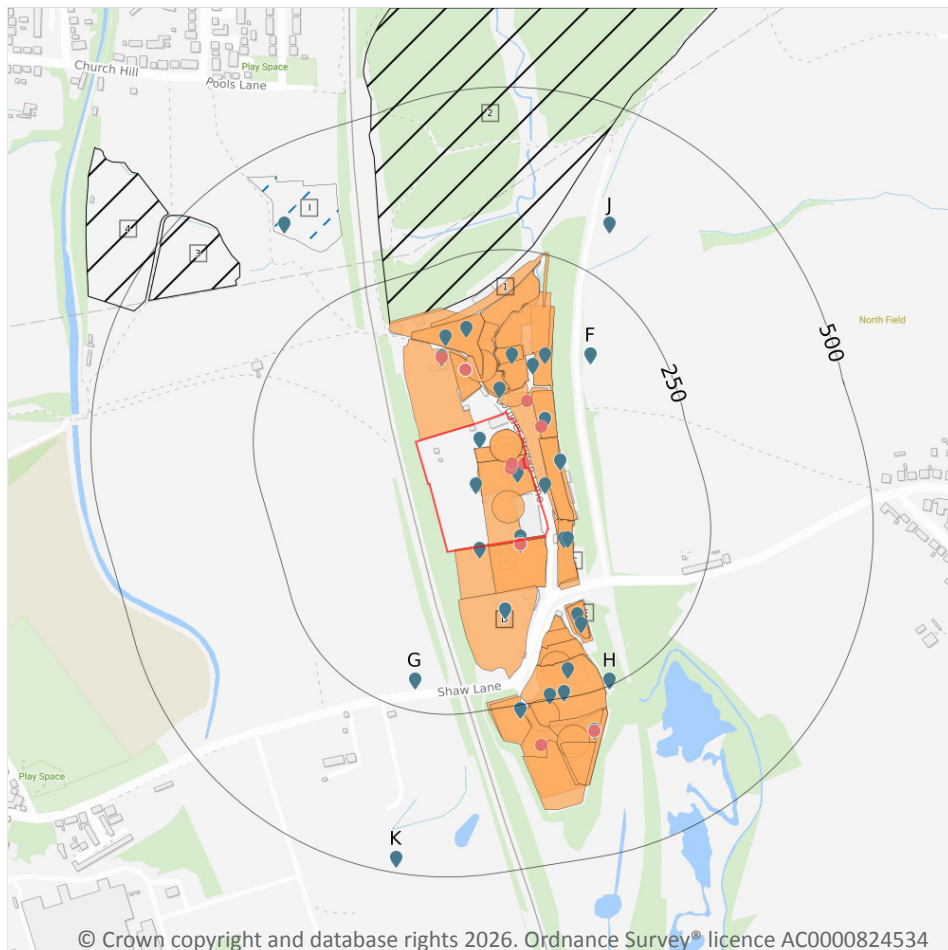
0

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



- Site Outline
- Search buffers in metres (m)
- Active or recent landfill
- Historical landfill (EA/NRW)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

1

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on [page 31](#) >

ID	Location	Details	
I	326m NW	Operator: E J Lidster Construction Limited Site Address: E J Lidster Construction Limited, Land/premises At, Pools Lane, Royston, Barnsley, South Yorkshire, S71 4BW	WML Number: 60560 EPR Reference: 670070 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Expired IPPC Reference: - EPR Number: EA/EPR/AP3790ZU



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	4
---------------------	---

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

Features are displayed on the Waste and landfill map on [page 31 >](#)

ID	Location	Details		
E	116m S	Site Address: Disused Railway Sidings, Shaw Lane, Carlton, Barnsley Licence Holder Address: 93 Weetshaw Lane, Shafton, Barnsley	Waste Licence: Yes Site Reference: 20B499(100), 4400/B499, WD20 B499 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 06/11/1985 Licence Surrender: 03/02/1992	Operator: A Barraclough Licence Holder: Mr A Barraclough First Recorded 30/11/1985 Last Recorded: 03/02/1992

ID	Location	Details		
2	182m N	Site Address: Cudworth North Junction, Near Pools Dyke, Shaw Lane, Carlton Licence Holder Address: 2 The Embankment, Sovereign Street, Leeds	Waste Licence: Yes Site Reference: 2B22, 2B1(3), WD20 B1035, WD2C3, 20B1035, WD2 B1, 4400/B22, CD3, 4400/0406, WD2 B22 Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/08/1981 Licence Surrender: 31/12/1984	Operator: Barnsley Metropolitan Borough Council Licence Holder: Barnsley Metropolitan Borough Council or B D R Waste Disposal Limited First Recorded 31/12/1983 Last Recorded: 31/12/1995
3	366m NW	Site Address: Land off Cronkhill Lane, Carlton, Royston, Barnsley Licence Holder Address: Stud Farm, Carlton, Barnsley	Waste Licence: Yes Site Reference: WD20 B417, 4400/B417, 20B417(89) Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 03/03/1984 Licence Surrender: 20/01/1993	Operator: E Maw and Son Licence Holder: E Maw and Son First Recorded 08/03/1984 Last Recorded: 31/10/1990
4	469m NW	Site Address: Land off Cronkhill Lane, Carlton, Royston, Barnsley Licence Holder Address: 4 Vicarage Lane, Royston, Barnsley, South Yorkshire	Waste Licence: Yes Site Reference: WD20 B513, 4400/B513, 20B513(101) Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 24/03/1986 Licence Surrender: 12/09/1990	Operator: Edward Thomas Broad Colin P White Licence Holder: E Borad and C White First Recorded 31/03/1986 Last Recorded: 12/09/1990

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

3.5 Historical waste sites

Records within 500m	54
----------------------------	-----------

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

Features are displayed on the Waste and landfill map on [page 31 >](#)

ID	Location	Address	Further Details	Date
A	On site	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999



ID	Location	Address	Further Details	Date
B	On site	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
B	On site	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
B	On site	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	On site	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	On site	Site Address: D.T.S., Shaw Lane, Carlton, BARNLEY, South Yorkshire, S71 3HJ	Type of Site: Waste Recycling Unit Planning application reference: B/05/0221/BA Description: Scheme comprises of a waste recycling portal framed building, with concrete walls and floor. Construction - pitched roof; concrete walls; steel cladding roof; rooflight windows; roller shutter doors; pad foundations; portal, steel frame; concrete pavinsite works. An application (ref: B/05/0221/BA) for Detailed Planning permission was granted by Barnsley B.C. This scheme is now complete. Data source: Historic Planning Application Data Type: Point	21/07/2005
B	On site	Site Address: Boulder Bridge Lane, Shafton, BARNLEY, South Yorkshire, S72 8NY	Type of Site: Waste Transfer Station (Conversion) Planning application reference: B/05/1368/HR Description: Scheme comprises of conversion to waste transfer station and concrete product manufacture. An application (ref: B/05/1368/HR) for Detailed Planning permission was submitted to Barnsley B.C. Programme details remain to be finalised. Detailed plans submitted. Data source: Historic Planning Application Data Type: Point	-



ID	Location	Address	Further Details	Date
B	On site	Site Address: Goodwin's Yard, Boulder Bridge Lane, Carlton, BARNSLEY, South Yorkshire, S71 3ZX	Type of Site: Recycling Centre Planning application reference: B/05/0914/BA Description: Scheme comprises construction of materials re-cycling facility and skip here premises. An application (ref: B/05/0914/BA) for Detailed Planning permission was submitted to Barnsley B.C. on 16th May 2005. Data source: Historic Planning Application Data Type: Point	-
B	On site	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
A	2m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
A	2m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
B	3m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
B	9m N	Site Address: Old Pattersons Yard, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71	Type of Site: Metals Recycling Facility/Portable Cabin Planning application reference: 2012/1350 Description: Scheme comprises change the use from transport yard to metals recycling facility and the resiting of a metal framed building and siting of a portable cabin. Data source: Historic Planning Application Data Type: Point	06/09/2013
C	12m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991



ID	Location	Address	Further Details	Date
C	12m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
C	15m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
B	19m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	19m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
B	26m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	27m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
B	28m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	28m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
B	31m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999



ID	Location	Address	Further Details	Date
B	33m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	34m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
B	38m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	40m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
B	56m NW	Site Address: D.T.S., Shaw Lane, Carlton, BARNSELY, South Yorkshire, S71 3HJ	Type of Site: Waste Recycling Unit Planning application reference: B/05/0221/BA Description: Scheme comprises of a waste recycling portal framed building, with concrete walls and floor. Construction - pitched roof; concrete walls; steel cladding roof; rooflight windows; roller shutter doors; pad foundations; portal, steel frame; concrete pavinsite works. An application (ref: B/05/0221/BA) for Detailed Planning permission was granted by Barnsley B.C. This scheme is now complete. Data source: Historic Planning Application Data Type: Point	21/07/2005
B	59m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	59m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981



ID	Location	Address	Further Details	Date
B	62m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	67m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
D	73m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
B	74m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
B	90m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
E	111m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
E	114m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
E	114m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
E	122m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991



ID	Location	Address	Further Details	Date
E	123m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
E	145m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
1	158m NW	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1962
E	164m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
E	177m S	Site Address: Shaw Lane, Carlton Scrap Yard, BARNSELY, South Yorkshire, S71 3HG	Type of Site: Waste Transfer Station Planning application reference: B93/1255/BA Description: Scheme comprises conversion of former scrap yard and buildings to form a waste transfer station and storage of building materials. An application (ref: B93/1255/BA) for Detailed Planning permission was submitted to Barnsley B.C. on 19th October 1993. Data source: Historic Planning Application Data Type: Point	-
E	189m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
E	190m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
E	234m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999



ID	Location	Address	Further Details	Date
E	237m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
E	247m S	Site Address: D Thackray And Sons, Shaw Lane, Carlton, BARNSELY, South Yorkshire, S71 3HJ	Type of Site: Waste Recycling Building Planning application reference: 2011/1111 Description: Scheme comprises change of use of building and land to electrical waste recycling. An application (ref: 2011/1111) for detailed planning permission was submitted to Barnsley B.C. A detailed planning application has been submitted. Data source: Historic Planning Application Data Type: Point	28/04/2012
E	255m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
E	279m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
E	293m S	Site Address: The Recycling Centre, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	Type of Site: Recycling Facility (Conversion) Planning application reference: 2017/1331 Description: Scheme comprises conversion of concrete manufacturing plant to scrap metal recycling facility. Data source: Historic Planning Application Data Type: Point	-
E	310m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
E	318m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999

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



3.6 Licensed waste sites

Records within 500m

55

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

Features are displayed on the Waste and landfill map on [page 31](#) >

ID	Location	Details		
A	On site	Site Name: Geoff Ripley Site Address: Boulder Bridge, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 662758 EPR reference: EA/EPR/YP3690ZL Operator: Ripley, Geoff Waste Management licence No: 60594 Annual Tonnage: 5000	Issue Date: 14/09/1992 Effective Date: 14/09/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	On site	Site Name: Land At Boulder Bridge Lane Site Address: Land At, Boulder Bridge Lane, Off Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIM003 EPR reference: EA/EPR/FB3903MA/T001 Operator: Sims Group U K Ltd Waste Management licence No: 65278 Annual Tonnage: 74999	Issue Date: 24/02/2004 Effective Date: 09/02/2018 Modified: 16/12/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
B	On site	Site Name: W F S Metals Ltd Site Address: Boulder Bridge Lane, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 654469 EPR reference: EA/EPR/JP3590ZH Operator: W F S Metals Limited Waste Management licence No: 60602 Annual Tonnage: 11213	Issue Date: 09/09/1993 Effective Date: 09/09/1993 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
B	On site	Site Name: W F S Metals Ltd Site Address: Boulder Bridge Lane, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 668702 EPR reference: EA/EPR/JP3590ZH Operator: W F S Metals Limited Waste Management licence No: 60602 Annual Tonnage: 0	Issue Date: 09/09/1993 Effective Date: 09/09/1993 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
B	On site	Site Name: Land At Boulder Bridge Lane Site Address: Land at Boulder Bridge Lane, off Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 662999 EPR reference: EA/EPR/FB3903MA Operator: Unimetals Recycling (Uk) Limited Waste Management licence No: 65278 Annual Tonnage: 89999	Issue Date: 20/07/2021 Effective Date: 20/07/2021 Modified: 15/10/2024 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	6m S	Site Name: Hardwick A H Site Address: Shaw Lane, Carlton, Barnsley, S Yorks, S71 3HJ Correspondence Address: Holme Farm, Engine Lane, Shafton, Barnsley, South Yorks, S72 8RE	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HAR009 EPR reference: - Operator: Hardwick Alan H Waste Management licence No: 60585 Annual Tonnage: 0	Issue Date: 15/03/1993 Effective Date: 30/05/2000 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	7m S	Site Name: P V S Barnsley Ltd Site Address: Land/premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 661345 EPR reference: EA/EPR/DP3990ZC Operator: Passenger Vehicle Spares (Barnsley) Ltd Waste Management licence No: 60576 Annual Tonnage: 5000	Issue Date: 04/04/1989 Effective Date: 04/04/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
B	14m NE	Site Name: Trevor Wigley & Son Ltd Site Address: Boulder Bridge Lane, Off Shaw Lane, Carlton, S Yorks, S71 3HJ Correspondence Address: Boulder Bridge Lane, Off Shaw Lane, Carlton, S Yorks, S71 3HJ	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TRE001 EPR reference: - Operator: Trevor Wigley & Son Ltd Waste Management licence No: 60574 Annual Tonnage: 0	Issue Date: 10/06/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
C	29m E	Site Name: Welbourn Car Dismantlers Site Address: Welbourn Car Dismantlers, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 645383 EPR reference: EA/EPR/AP3093LG Operator: Paul Welbourn Waste Management licence No: 100451 Annual Tonnage: 2499	Issue Date: 30/10/2008 Effective Date: 30/10/2008 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
C	34m SE	Site Name: James Welbourn Site Address: Boulder Bridge Lane, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 663495 EPR reference: EA/EPR/DP3690ZX Operator: James Welbourn Waste Management licence No: 60582 Annual Tonnage: 4999	Issue Date: 07/06/1989 Effective Date: 07/06/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
B	36m N	Site Name: Beckett's Yard Site Address: Land/premises At, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 643877 EPR reference: EA/EPR/LP3096ZN Operator: Christopher & Kevin Beckett Waste Management licence No: 65549 Annual Tonnage: 4999	Issue Date: 29/10/2007 Effective Date: 29/10/2007 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
B	42m E	Site Name: Aluminium Recycling (uk) Ltd Site Address: Land/premises At, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000029 EPR reference: EA/EPR/XP35922M/A001 Operator: Firth Properties & Investments Ltd Waste Management licence No: 65278 Annual Tonnage: 74999	Issue Date: 24/02/2004 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	42m E	Site Name: William Firth & Son Ltd Site Address: Land/premises At, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WIL410 EPR reference: EA/EPR/CB3408CU/T001 Operator: William Firth & Son Ltd Waste Management licence No: 65278 Annual Tonnage: 74999	Issue Date: 24/02/2004 Effective Date: 24/06/2015 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
B	42m E	Site Name: William Firth & Son Limited Site Address: Land At, Boulder Bridge Lane, Off Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WIL410 EPR reference: EA/EPR/CB3408CU/V002 Operator: William Firth & Son Limited Waste Management licence No: 65278 Annual Tonnage: 74999	Issue Date: 24/02/2004 Effective Date: 24/06/2015 Modified: 16/12/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
B	42m E	Site Name: Parton & Allen Site Address: Land/premises At, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 644138 EPR reference: EA/EPR/DP3090ZA Operator: Parton & Allen Waste Management licence No: 60575 Annual Tonnage: 5000	Issue Date: 08/05/1989 Effective Date: 08/05/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	47m E	Site Name: Trevor Wigley & Son Bus Ltd. Site Address: Boulder Bridge Lane, Off Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000207 EPR reference: EA/EPR/NP3892ZP/V002 Operator: T. Wigley & Son Bus Limited Waste Management licence No: 65395 Annual Tonnage: 2500	Issue Date: 26/01/2005 Effective Date: - Modified: 12/10/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	47m E	Site Name: T Wigley & Son Bus Ltd Site Address: Land/premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000207 EPR reference: EA/EPR/NP3892ZP/A001 Operator: T Wigley & Son Bus Ltd Waste Management licence No: 65395 Annual Tonnage: 2500	Issue Date: 26/01/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	47m E	Site Name: Trevor Wigley & Son Bus Ltd. Site Address: Boulder Bridge Lane, Off Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 660998 EPR reference: EA/EPR/NP3892ZP Operator: T Wigley & Son Bus Limited Waste Management licence No: 65395 Annual Tonnage: 2500	Issue Date: 26/01/2005 Effective Date: 26/01/2005 Modified: 26/01/2005 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
B	82m NE	Site Name: Boulder Bridge Lane Site Site Address: Boulder Bridge Lane Site, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 641247 EPR reference: EA/EPR/QP3692ZQ Operator: Mr Derek Heeley & Mr Melvin Corbett Waste Management licence No: 65508 Annual Tonnage: 3150	Issue Date: 26/07/2006 Effective Date: 26/07/2006 Modified: 26/07/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	87m N	Site Name: Becketts Yard Site Address: Becketts Yard, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, s71 3hj Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 659472 EPR reference: EA/EPR/DP3890ZH Operator: C K Beckett Waste Management licence No: 60579 Annual Tonnage: 4999	Issue Date: 30/10/1992 Effective Date: 30/10/1992 Modified: 30/10/1992 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	104m S	Site Name: A H Hardwick Site Address: Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HAR001 EPR reference: - Operator: Hardwick A H Waste Management licence No: 60584 Annual Tonnage: 5000	Issue Date: 9/15/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	104m S	Site Name: Milton Gough Site Address: Land / Premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S70 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 644103 EPR reference: EA/EPR/DP3290ZJ Operator: Milton Gough Waste Management licence No: 60581 Annual Tonnage: 5000	Issue Date: 19/04/1989 Effective Date: 19/04/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
D	104m S	Site Name: Milton Gough Site Address: Land/premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 667075 EPR reference: EA/EPR/DP3490ZS Operator: Milton Gough Waste Management licence No: 60580 Annual Tonnage: 5000	Issue Date: 19/04/1989 Effective Date: 19/04/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	104m S	Site Name: Peter Lloyd & Sons Site Address: Land/premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 660796 EPR reference: EA/EPR/DP3390ZP Operator: Peter Lloyd Waste Management licence No: 60573 Annual Tonnage: 5000	Issue Date: 29/11/1990 Effective Date: 29/11/1990 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Part Suspended
D	104m S	Site Name: A H Hardwick Site Address: Land/premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 664469 EPR reference: EA/EPR/DP3790ZK Operator: Alan Harry Hardwick Waste Management licence No: 60584 Annual Tonnage: 5000	Issue Date: 15/09/1992 Effective Date: 15/09/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	104m S	Site Name: Hardwick A H Site Address: Land/premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 644315 EPR reference: EA/EPR/YP3390ZY Operator: Alan Harry Hardwick Waste Management licence No: 60585 Annual Tonnage: 5000	Issue Date: 15/03/1993 Effective Date: 15/03/1993 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
B	105m NE	Site Name: W Conway & Sons Site Address: Shaw Lane, Carlton, Barnsley, S Yorks, S71 2QE Correspondence Address: The Beeches, 243, Burton Road, Monk Bretton, Barnsley, S Yorks, S71 2QE	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WCO001 EPR reference: - Operator: Conway Wilf Waste Management licence No: 60572 Annual Tonnage: 0	Issue Date: 14/09/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	112m N	Site Name: C. K. Beckett Site Address: Land/premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 654203 EPR reference: EA/EPR/PP3092ZH Operator: Malcolm Christopher Beckett And Kevin Richard Beckett Waste Management licence No: 65188 Annual Tonnage: 4999	Issue Date: 17/11/2000 Effective Date: 17/11/2000 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Part revoke
E	132m S	Site Name: South Yorkshire Dismantlers Site Address: Unit 18, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: 32, Lund Lane, Burton Grange, Barnsley, South Yorkshire, S71 5PD	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000185 EPR reference: - Operator: Armitage Kathleen Waste Management licence No: 65317 Annual Tonnage: 0	Issue Date: 11/10/2004 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	140m N	Site Name: C. K. Beckett Site Address: Boulder Bridge Lane, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 653325 EPR reference: EA/EPR/YP3590ZB Operator: Christopher And Kevin Beckett Waste Management licence No: 60589 Annual Tonnage: 4999	Issue Date: 28/04/1992 Effective Date: 28/04/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
B	141m NW	Site Name: A H Hardwick Site Address: Boulder Bridge Lane, Carlton, Barnsley, S Yorks Correspondence Address: 40, Engine Lane, Shafton, Barnsley, S Yorks, S72 8RE	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HAR001 EPR reference: - Operator: Hardwick Alan H Waste Management licence No: 60584 Annual Tonnage: 0	Issue Date: 15/09/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	147m S	Site Name: Mels Motorspares Site Address: Unit 18 Mels Motorspares, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 668847 EPR reference: EA/EPR/KP3292ZT Operator: Melvin Anthony Newton Waste Management licence No: 65317 Annual Tonnage: 2499	Issue Date: 11/10/2004 Effective Date: 11/10/2004 Modified: 19/04/2024 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
F	154m NE	Site Name: Tommy Goodwin Site Address: Boulder Bridge Lane, Carlton, Barnsley, S Yorks Correspondence Address: Santingley Grange, Winterset, Wakefield, West Yorkshire, WF4 2EA	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GOO001 EPR reference: - Operator: Goodwin Tommy Waste Management licence No: 60578 Annual Tonnage: 0	Issue Date: 01/01/1970 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
F	154m NE	Site Name: Goodwins Yard Site Address: Goodwins Yard, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GRA005 EPR reference: EA/EPR/DP3590ZM/V002 Operator: Grantscope Ltd Waste Management licence No: 60578 Annual Tonnage: 74999	Issue Date: 01/01/1970 Effective Date: 02/07/2005 Modified: 19/01/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked



ID	Location	Details		
F	154m NE	Site Name: Goodwins Yard Site Address: Goodwins Yard, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 660042 EPR reference: EA/EPR/DP3590ZM Operator: Grantscope Limited Waste Management licence No: 60578 Annual Tonnage: 74999	Issue Date: 01/01/1974 Effective Date: 01/01/1974 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
G	205m S	Site Name: Terry Thornton Site Address: Off Shaw Lane, Carlton, Barnsley, S Yorks, S71 3HJ Correspondence Address: Off Shaw Lane, Carlton, Barnsley, S Yorks, S71 3HJ	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TER001 EPR reference: - Operator: Terry Thornton Commercials Waste Management licence No: 60542 Annual Tonnage: 0	Issue Date: 22/11/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
G	205m S	Site Name: Terry Thornton Site Address: Land/premises At, Off Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 647056 EPR reference: EA/EPR/WP3290ZW Operator: Mr T Thornton Waste Management licence No: 60542 Annual Tonnage: 5000	Issue Date: 22/11/1996 Effective Date: 22/11/1996 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	210m S	Site Name: Shotties Island Recycling Centre Site Address: Shaw Lane, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 799711 EPR reference: EA/EPR/WE8187AB Operator: Ash Waste Services Limited Waste Management licence No: 120746 Annual Tonnage: 0	Issue Date: 07/02/2025 Effective Date: 07/02/2025 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
H	243m SE	Site Name: D Thackray Site Address: Shotties Island, Land Off Shaw Lane, Carlton, Barnsley, S Yorks, S71 3HJ Correspondence Address: 28, Westgate, Monk Bretton, Barnsley, S Yorks, S71 2DJ	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: THA001 EPR reference: - Operator: Thackray Dennis Waste Management licence No: 60562 Annual Tonnage: 0	Issue Date: 13/03/1985 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
H	243m SE	Site Name: M. Meynell Site Address: Land/premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 634240 EPR reference: EA/EPR/RP3690ZD Operator: M E Meynell Waste Management licence No: 60570 Annual Tonnage: 5000	Issue Date: 15/06/1989 Effective Date: 15/06/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
H	243m SE	Site Name: M. Meynell Site Address: Land/premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 648932 EPR reference: EA/EPR/RP3690ZD Operator: M E Meynell Waste Management licence No: 60570 Annual Tonnage: 0	Issue Date: 15/06/1989 Effective Date: 15/06/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
E	244m S	Site Name: D Thackray & Sons Site Address: Shotties Island, Shaw Lane, Carlton, Barnsley, South Yorks Correspondence Address: 28, Westgate, Monk Bretton, Barnsley, South Yorks, S71 2DJ	Type of Site: Physical Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: THA002 EPR reference: - Operator: Paul Thackray & David Thackray Waste Management licence No: 65230 Annual Tonnage: 74999	Issue Date: 16/12/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
E	244m S	Site Name: D T S Environmental Limited Site Address: Land At Shotties Island, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 648459 EPR reference: EA/EPR/LP3392ZC Operator: D T S Environmental Limited Waste Management licence No: 65230 Annual Tonnage: 74999	Issue Date: 16/12/2003 Effective Date: 16/12/2003 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
E	244m S	Site Name: D T S Environmental Limited Site Address: Land At Shotties Island, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Physical Treatment Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 663064 EPR reference: EA/EPR/LP3392ZC Operator: D T S Environmental Limited Waste Management licence No: 65230 Annual Tonnage: 0	Issue Date: 16/12/2003 Effective Date: 16/12/2003 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
E	244m S	Site Name: Caulfield Concrete Yard Former D T S Recycling Centre Site Address: Shaw Lane Est Boulder Bridge, Shaw Lane Est Boulder Bridge, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Treatment of waste to produce soil 75,000 tpy Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 672818 EPR reference: EA/EPR/HB3206HG Operator: Crows Nest Aggregates And Stone Supplies Ltd Waste Management licence No: 406225 Annual Tonnage: 74999	Issue Date: 19/07/2019 Effective Date: 19/07/2019 Modified: - Surrendered Date: 07/06/2023 Expiry Date: - Cancelled Date: - Status: Surrendered
E	258m S	Site Name: Carlton Car Breakers Site Address: Land/premises At, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 647696 EPR reference: EA/EPR/RP3890ZP Operator: Hennighan & Parkin Waste Management licence No: 60566 Annual Tonnage: 1450	Issue Date: 24/04/1992 Effective Date: 24/04/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
E	258m S	Site Name: W Conway & Sons Site Address: Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 2QE Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 665099 EPR reference: EA/EPR/RP3790ZJ Operator: W Conway & Sons Waste Management licence No: 60572 Annual Tonnage: 5000	Issue Date: 14/09/1992 Effective Date: 14/09/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	309m S	Site Name: D T S Yard Site Address: D T S Yard, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: 75kte WEEE Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SRW005 EPR reference: EA/EPR/BB3834AU/A001 Operator: S R Waste Recycling Ltd Waste Management licence No: 103311 Annual Tonnage: 74999	Issue Date: 09/12/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
E	309m S	Site Name: D T S Yard Site Address: D T S Yard, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: 75kte WEEE Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 671475 EPR reference: EA/EPR/BB3834AU Operator: S R Waste Recycling Limited Waste Management licence No: 103311 Annual Tonnage: 74999	Issue Date: 09/12/2011 Effective Date: 09/12/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
J	328m NE	Site Name: Roy Thornton Metals Ltd Site Address: Boulder Bridge Lane, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 644624 EPR reference: EA/EPR/RP3490ZV Operator: Roy Thornton Metals Limited Waste Management licence No: 60567 Annual Tonnage: 5000	Issue Date: 10/06/1992 Effective Date: 10/06/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
J	328m NE	Site Name: Roy Thornton Metals Ltd Site Address: Boulder Bridge Lane, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 658999 EPR reference: EA/EPR/RP3490ZV Operator: Roy Thornton Metals Limited Waste Management licence No: 60567 Annual Tonnage: 0	Issue Date: 10/06/1992 Effective Date: 10/06/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
I	389m NW	Site Name: E J Lidster Construction Limited Site Address: Land/premises At, Pools Lane, Royston, Barnsley, South Yorkshire, S71 4BW Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 655506 EPR reference: EA/EPR/AP3790ZU Operator: E J Lidster Construction Limited Waste Management licence No: 60560 Annual Tonnage: 18750	Issue Date: 16/05/1984 Effective Date: 16/05/1984 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
I	389m NW	Site Name: E J Lidster Construction Limited Site Address: Land/premises At, Pools Lane, Royston, Barnsley, South Yorkshire, S71 4BW Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 670070 EPR reference: EA/EPR/AP3790ZU Operator: E J Lidster Construction Limited Waste Management licence No: 60560 Annual Tonnage: 0	Issue Date: 16/05/1984 Effective Date: 16/05/1984 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
K	479m S	Site Name: Former Carlton Colliery Site Site Address: Former Carlton Colliery Site, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POR079 EPR reference: EA/EPR/BB3103FE/A001 Operator: Portward Homes Limited Waste Management licence No: 401087 Annual Tonnage: 329999.999	Issue Date: 19/11/2014 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
K	479m S	Site Name: Former Carlton Colliery Site Site Address: Former Carlton Colliery Site, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 672148 EPR reference: EA/EPR/BB3103FE Operator: Portward Homes Limited Waste Management licence No: 401087 Annual Tonnage: 330000	Issue Date: 19/11/2014 Effective Date: 19/11/2014 Modified: 08/04/2024 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	30
----------------------------	-----------

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 31 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
B	On site	-	WEX418138	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	On site	-	WEX483245	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	On site	Aluminium Recycling Uk Boulder Bridge Lane Barnsley S71 3hj	EPR/KH0717A B/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
A	7m S	Caulfield Concrete Yard, Boulder Bridge Estate Shaw Lane, Carlton, Barnsley, S71 3hj	WEX149313	Using waste exemption	Not on a farm	Use of waste in construction
A	7m S	Hubbards Yard (Rear Of Conways), Shotties Island, Shaw Lane, Barnsley, S71 3hj	WEX117366	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	7m S	Hubbards Yard (Rear Of Conways), Shotties Island, Shaw Lane, Carlton, Barnsley, S713hj	WEX112625	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	7m S	Mels Breakers, Shaw Lane, Carlton, S71 3hj	WEX128812	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	7m S	-	WEX351684	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	33m NE	Shaw Lane, Carlton, Barnsley, S71 3hj	WEX178525	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	34m E	Shaw Lane Carlton Barnsley S71 3hj	WEX015214	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	82m N	-	WEX410651	Treating waste exemption	Not on a farm	Manual treatment of waste
B	82m N	-	WEX410651	Treating waste exemption	Not on a farm	Sorting mixed waste
B	82m N	-	WEX410651	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	82m N	Hubbards Yard, Rear Of Conway & Sons Shaw Lane, Carlton, S713hj	WEX238445	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	82m N	Hubbards Yard, Rear Of Conway & Sons Shaw Lane, Carlton, S713hj	WEX238445	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	82m N	Hubbards Yard (Rear Of Conways), Shotties Island, Shaw Lane, Barnsley, S71 3hj	WEX260585	Storing waste exemption	Not on a farm	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
B	82m N	Hubbards Yard (Rear Of Conways), Shotties Island, Shaw Lane, Carlton, Barnsley, S713hj	WEX253606	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	82m N	-	WEX281573	Treating waste exemption	Not on a farm	Sorting mixed waste
B	82m N	-	WEX281573	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	82m N	-	WEX281573	Treating waste exemption	Not on a farm	Manual treatment of waste
B	82m N	Sims Group Uk Limited, Land At Boulder Bridge Lane, Carlton, Barnsley, S71 3hj	WEX337096	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	82m N	Hubbards Yard, Rear Of Conway & Sons Shaw Lane, Carlton, S713hj	WEX366897	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	82m N	Hubbards Yard, Rear Of Conway & Sons Shaw Lane, Carlton, S713hj	WEX366897	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	82m N	Hubbards Yard (Rear Of Conways), Shotties Island, Shaw Lane, Carlton, Barnsley, S713hj	WEX382335	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	112m N	The Old Patterson's Yard Boulder Bridge Lane Barnsley S71 3hj	EPR/GE5388M T/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
E	309m S	Dts Recycling Centre Shaw Lane Barnsley South Yorkshire S71 3hj	EPR/NF0932EP /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
E	309m S	Dts Recycling Centre Shaw Lane Barnsley South Yorkshire S71 3hj	EPR/NF0932EP /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
E	309m S	Dts Recycling Centre Shaw Lane Barnsley South Yorkshire S71 3hj	EPR/NF0932EP /A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
E	309m S	Dts Recycling Centre Shaw Lane Barnsley South Yorkshire S71 3hj	EPR/NF0932EP /A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste

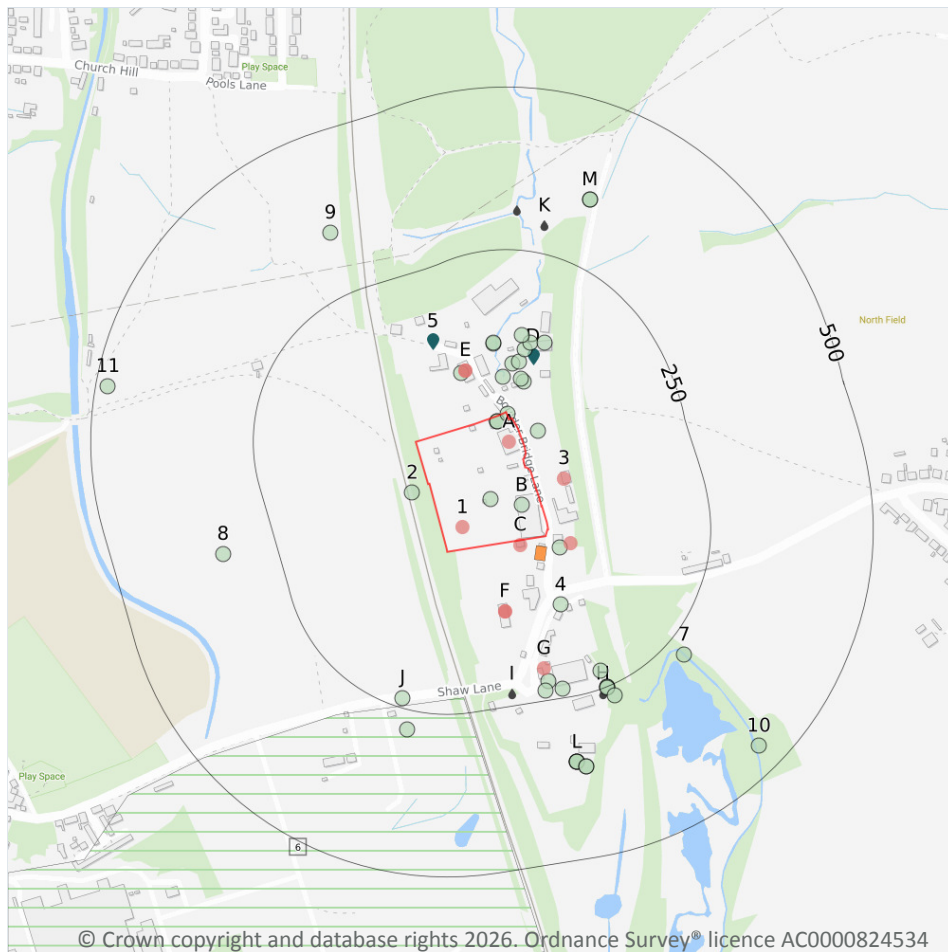


ID	Location	Site	Reference	Category	Sub-Category	Description
E	316m S	Shaw Lane, Carlton, Barnsley, S71 3hj	WEX279032	Treating waste exemption	Not on a farm	Recovery of scrap metal

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
- NGD current or recent tanks
- Control of Major Accident Hazards
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

10

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 59](#) >

ID	Location	Company	Address	Activity	Category
1	On site	Travelling Crane	South Yorkshire, S71	Travelling Cranes and Gantries	Industrial Features
A	On site	Heeleys Skip Hire	D Heeley Skip Hire, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	Construction and Tool Hire	Hire Services



ID	Location	Company	Address	Activity	Category
C	7m S	P V S Barnsley Ltd	Passenger Vehicle Services, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	Scrap Metal Merchants	Recycling Services
C	40m E	Welbourn Car Dismantlers	Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	Scrap Metal Merchants	Recycling Services
3	46m E	Trevor Wigley & Son Bus Ltd	Trevor Wigley and Son Ltd, Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	Scrap Metal Merchants	Recycling Services
E	83m N	C K Beckett Electrical & Industrial Dismantlers	Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	Scrap Metal Merchants	Recycling Services
E	83m N	Geoff Ripley & Son Bus & Coach Ltd	Boulder Bridge Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	New Vehicles	Motoring
F	104m S	A H Hardwick	Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	New Vehicles	Motoring
F	105m S	Milton Gough's	Milton Gough Scrapyard, Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	Scrap Metal Merchants	Recycling Services
G	200m S	Carlton Car Breakers	Shaw Lane, Carlton, Barnsley, South Yorkshire, S71 3HJ	Scrap Metal Merchants	Recycling Services

This data is sourced from Ordnance Survey®.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m

1

Current or recent tanks identified from the Ordnance Survey® NGD.

Features are displayed on the Current industrial land use map on [page 59 >](#)

ID	Location	Tank description	Activity	Date first identified
C	12m S	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	15/05/1998

This data is sourced from Ordnance Survey®.



4.3 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 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.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on [page 59 >](#)

ID	Location	Company	Address	Operational status	Tier
6	226m S	Manor Bakeries Ltd	Manor Bakeries Ltd, Fish Dam Lane, Carlton, Barnsley, S71 3HQ	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.



4.8 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.

4.9 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.

4.10 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.

4.11 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.

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

Records within 500m**2**

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

Features are displayed on the Current industrial land use map on [page 59](#) >

ID	Location	Address	Details	
D	95m NE	Ever Ready Mix Ltd, Site 4, Boulder Bridge Lane, Carlton, Barnsley, S71 3HJ	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: Enforcements Notified Date of enforcement: 29/09/2016 Comment: Particulate Matter
5	141m N	C K Beckett, Shaw Lane, Carlton, Barnsley, S71 3HJ	Process: Non-ferrous Metal Foundry Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.13 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.

4.14 Licensed Discharges to controlled waters

Records within 500m	8
----------------------------	----------

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 59 >](#)

ID	Location	Address	Details	
I	231m S	SHAW LANE B SPS, SHAW LANE, CARLTON, ROYSTON, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WADC378 Permit Version: 2 Receiving Water: CUDWORTH DYKE	Status: SURRENDERED UNDER EPR 2010 Issue date: 14/04/2009 Effective Date: 14/04/2009 Revocation Date: 01/03/2017
I	231m S	SHAW LANE B SPS, SHAW LANE, CARLTON, ROYSTON, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WADC378 Permit Version: 1 Receiving Water: CUDWORTH DYKE	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 13/04/2009



ID	Location	Address	Details	
H	258m S	ROYSTON (CARLTON-SHAW LANE), SEWAGE PUMPING STATION, CARLTON, BARNSLEY, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WRA7675 Permit Version: 1 Receiving Water: SHAW DYKE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/03/2001 Effective Date: 27/03/2001 Revocation Date: -
H	258m S	ROYSTON (CARLTON-SHAW LANE), SEWAGE PUMPING STATION, CARLTON, BARNSLEY, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7675 Permit Version: 1 Receiving Water: SHAW DYKE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/03/2001 Effective Date: 27/03/2001 Revocation Date: -
K	293m N	POOLS LANE CSO, NEAR TO MEADOW COURT, ROYSTON, BARNSLEY, SOUTH YORKSHIRE, S71 4BW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: C4871 Permit Version: 1 Receiving Water: POOLS DIKE	Status: TRANSFERRED FROM COPA 1974 Issue date: 18/11/1987 Effective Date: 18/11/1987 Revocation Date: 21/03/2010
K	293m N	POOLS LANE CSO, NEAR TO MEADOW COURT, ROYSTON, BARNSLEY, SOUTH YORKSHIRE, S71 4BW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: C4871 Permit Version: 2 Receiving Water: POOLS DIKE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/02/2005 Effective Date: 22/03/2010 Revocation Date: 23/03/2010
K	293m N	POOLS LANE CSO, NEAR TO MEADOW COURT, ROYSTON, BARNSLEY, SOUTH YORKSHIRE, S71 4BW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: C4871 Permit Version: 3 Receiving Water: POOLS DIKE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 24/03/2010 Effective Date: 24/03/2010 Revocation Date: 20/11/2018
K	310m N	POOLS LANE CSO, NEAR TO MEADOW COURT, ROYSTON, BARNSLEY, SOUTH YORKSHIRE, S71 4BW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: C4871 Permit Version: 4 Receiving Water: POOLS DIKE	Status: VARIED UNDER EPR 2010 Issue date: 21/11/2018 Effective Date: 21/11/2018 Revocation Date: -

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



4.15 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.

4.16 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.

4.17 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.

4.18 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.

4.19 Pollution Incidents (EA/NRW)

Records within 500m**44**

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

Features are displayed on the Current industrial land use map on [page 59](#) >



ID	Location	Details	
A	On site	Incident Date: 01/07/2020 Incident Identification: 1823508 Pollutant: Other Pollutant Pollutant Description: Noise	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
A	On site	Incident Date: 04/08/2020 Incident Identification: 1833568 Pollutant: Other Pollutant Pollutant Description: Noise	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
B	On site	Incident Date: 03/09/2020 Incident Identification: 1844270 Pollutant: Other Pollutant Pollutant Description: Noise	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
B	On site	Incident Date: 03/06/2020 Incident Identification: 1813621 Pollutant: Other Pollutant Pollutant Description: Noise	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
A	2m E	Incident Date: 01/07/2003 Incident Identification: 170078 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	27m SE	Incident Date: 22/03/2003 Incident Identification: 145128 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
2	28m SW	Incident Date: 23/01/2003 Incident Identification: 132967 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
A	28m E	Incident Date: 20/02/2002 Incident Identification: 59523 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
D	54m N	Incident Date: 15/11/2002 Incident Identification: 120977 Pollutant: Specific Waste Materials Pollutant Description: Other Non-Metal Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
D	55m NE	Incident Date: 21/06/2002 Incident Identification: 86401 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)



ID	Location	Details	
D	56m NE	Incident Date: 21/06/2002 Incident Identification: 86400 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	76m N	Incident Date: 14/07/2003 Incident Identification: 173559 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	80m N	Incident Date: 20/05/2004 Incident Identification: 239091 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
E	82m N	Incident Date: 10/01/2002 Incident Identification: 51801 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	101m N	Incident Date: 21/03/2002 Incident Identification: 65745 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	107m N	Incident Date: 08/11/2002 Incident Identification: 119716 Pollutant: Specific Waste Materials Pollutant Description: Other Non-Metal Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
4	108m S	Incident Date: 12/04/2024 Incident Identification: 2257063 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
D	109m N	Incident Date: 06/11/2002 Incident Identification: 119074 Pollutant: Specific Waste Materials Pollutant Description: Other Non-Metal Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
D	113m N	Incident Date: 05/06/2003 Incident Identification: 163631 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	120m N	Incident Date: 07/08/2003 Incident Identification: 179931 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
D	123m NE	Incident Date: 19/06/2003 Incident Identification: 167082 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
G	221m S	Incident Date: 09/01/2002 Incident Identification: 51354 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	223m S	Incident Date: 08/09/2006 Incident Identification: 433600 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Food and Drink	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	234m S	Incident Date: 10/04/2003 Incident Identification: 150342 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	235m S	Incident Date: 24/09/2001 Incident Identification: 32609 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	236m S	Incident Date: 10/04/2002 Incident Identification: 70343 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
H	250m S	Incident Date: 23/01/2002 Incident Identification: 53958 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	250m S	Incident Date: 23/01/2002 Incident Identification: 53958 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	251m S	Incident Date: 16/03/2011 Incident Identification: 866408 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
H	267m SE	Incident Date: 29/04/2009 Incident Identification: 674859 Pollutant: Organic Chemicals/Products Pollutant Description: Hydrocarbons	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	280m S	Incident Date: 12/07/2004 Incident Identification: 250370 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 1 (Major) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7	280m SE	Incident Date: 14/06/2009 Incident Identification: 687675 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
8	333m W	Incident Date: 02/06/2007 Incident Identification: 499653 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
9	347m N	Incident Date: 20/09/2001 Incident Identification: 31794 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
L	351m S	Incident Date: 28/02/2005 Incident Identification: 295856 Pollutant: Specific Waste Materials Pollutant Description: Batteries	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
L	351m S	Incident Date: 28/02/2005 Incident Identification: 295856 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
L	351m S	Incident Date: 28/02/2005 Incident Identification: 295856 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
L	351m S	Incident Date: 28/02/2005 Incident Identification: 295856 Pollutant: Oils and Fuel : Specific Waste Materials Pollutant Description: Mixed/Waste Oils :Batteries :Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
M	351m N	Incident Date: 10/05/2005 Incident Identification: 311149 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)



ID	Location	Details	
M	351m N	Incident Date: 10/05/2005 Incident Identification: 311149 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
L	359m S	Incident Date: 29/05/2019 Incident Identification: 1705918 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
L	359m S	Incident Date: 29/05/2019 Incident Identification: 1705918 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
10	460m SE	Incident Date: 13/12/2015 Incident Identification: 1394320 Pollutant: Agricultural Materials and Wastes Pollutant Description: Other Agricultural Material or Waste	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
11	481m W	Incident Date: 16/10/2001 Incident Identification: 37012 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.20 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.

4.21 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.



4.22 Pollution inventory radioactive waste

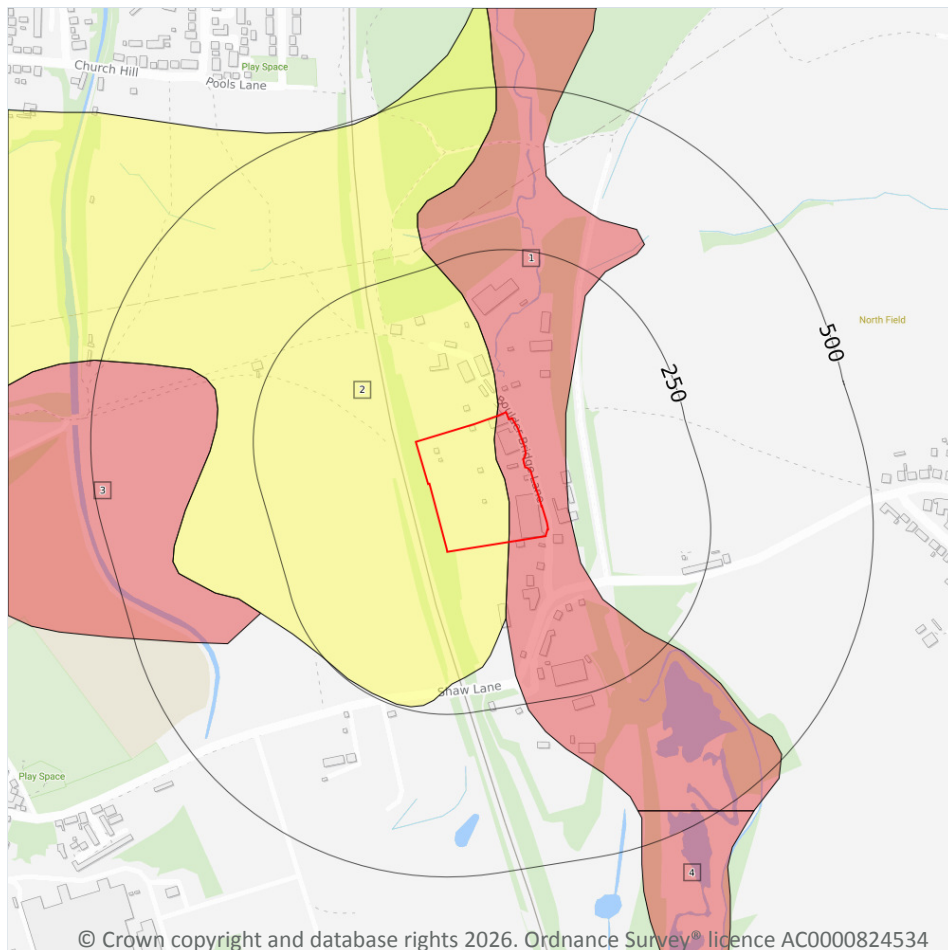
Records within 500m
0

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



- Site Outline**
- Search buffers in metres (m)**
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 72 >](#)

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	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

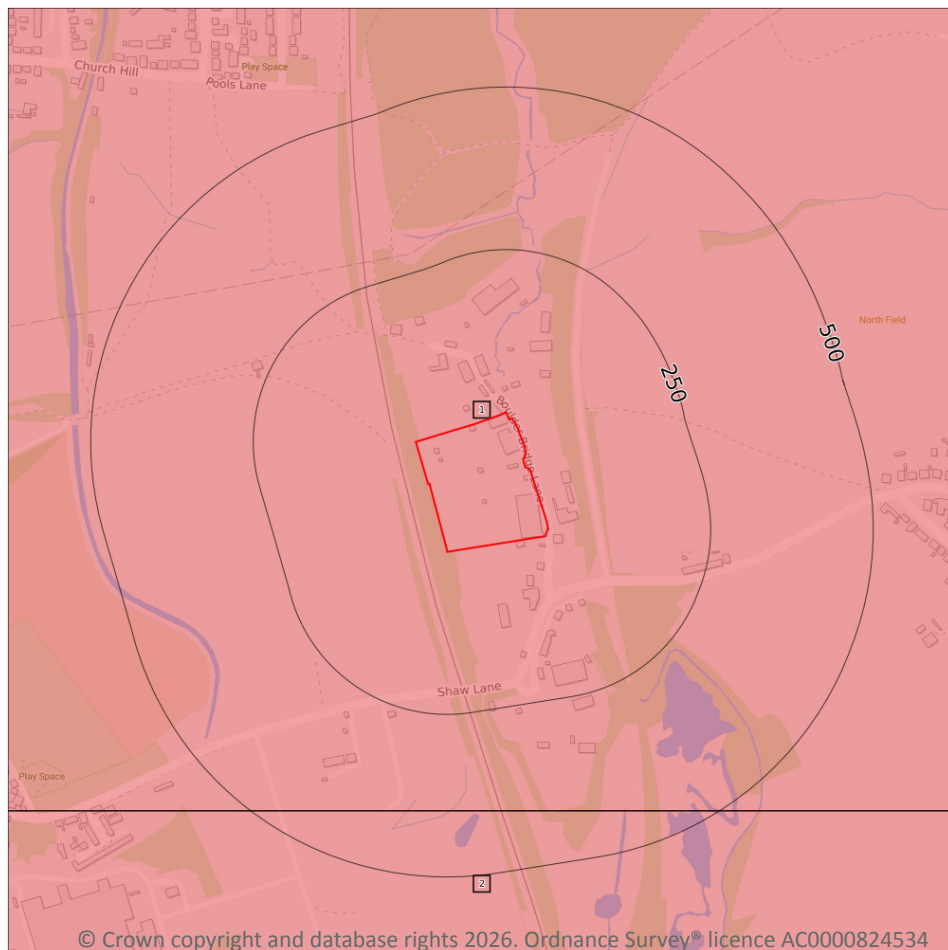


ID	Location	Designation	Description
3	302m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	446m S	Secondary 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



- Site Outline**
- Search buffers in metres (m)**
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

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 74](#) >

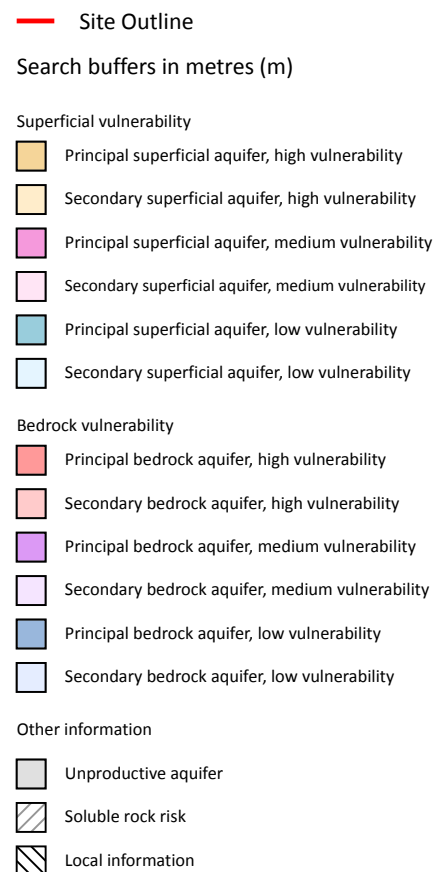
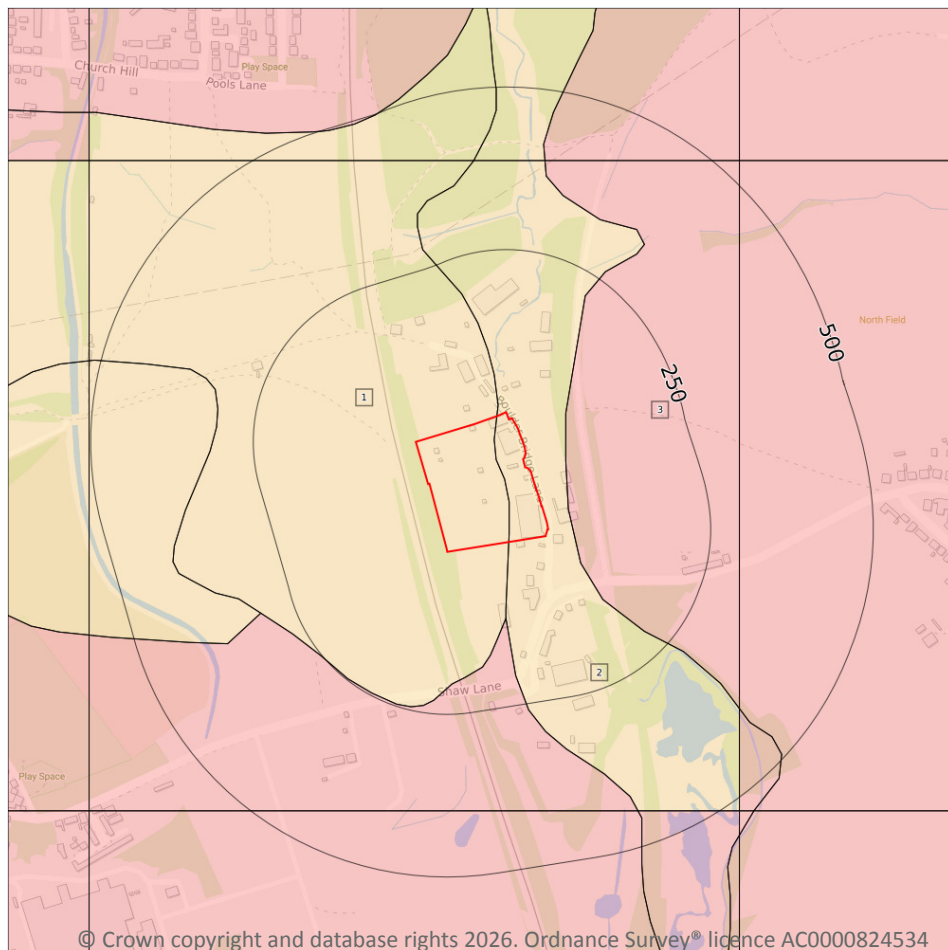
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	398m S	Secondary 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.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

3

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 76](#) >

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: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
3	37m E	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	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

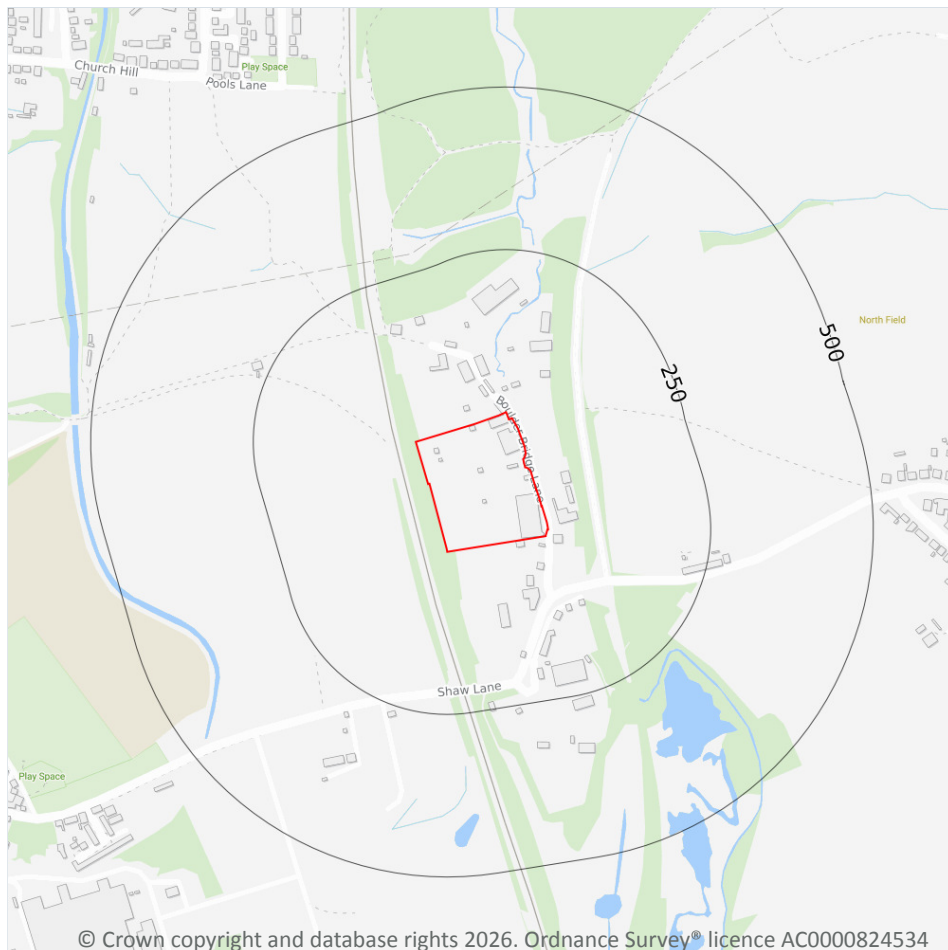
0

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



- Site Outline
- Search buffers in metres (m)**
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

0

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.

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

5.7 Surface water abstractions

Records within 2000m

2

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 78](#) >

ID	Location	Details	
-	1844m N	Status: Historical Licence No: 2/27/08/068 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: SURFACE WATER Point: AIRE AND CALDER NAVIGATION (OLD) - BARNSELY Data Type: Point Name: MONCKTON COKE & CHEMICAL COMPANY LIMITED Easting: 437080 Northing: 412370	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/03/1998 Version End Date: -
-	1844m N	Status: Historical Licence No: 2/27/08/068 Details: General Use Relating To Secondary Category (High Loss) Direct Source: SURFACE WATER Point: AIRE AND CALDER NAVIGATION (OLD) - BARNSELY Data Type: Point Name: MONCKTON COKE & CHEMICAL CO LTD Easting: 437080 Northing: 412370	Annual Volume (m ³): 110000 Max Daily Volume (m ³): 2742 Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 102 Version Start Date: 21/01/2008 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

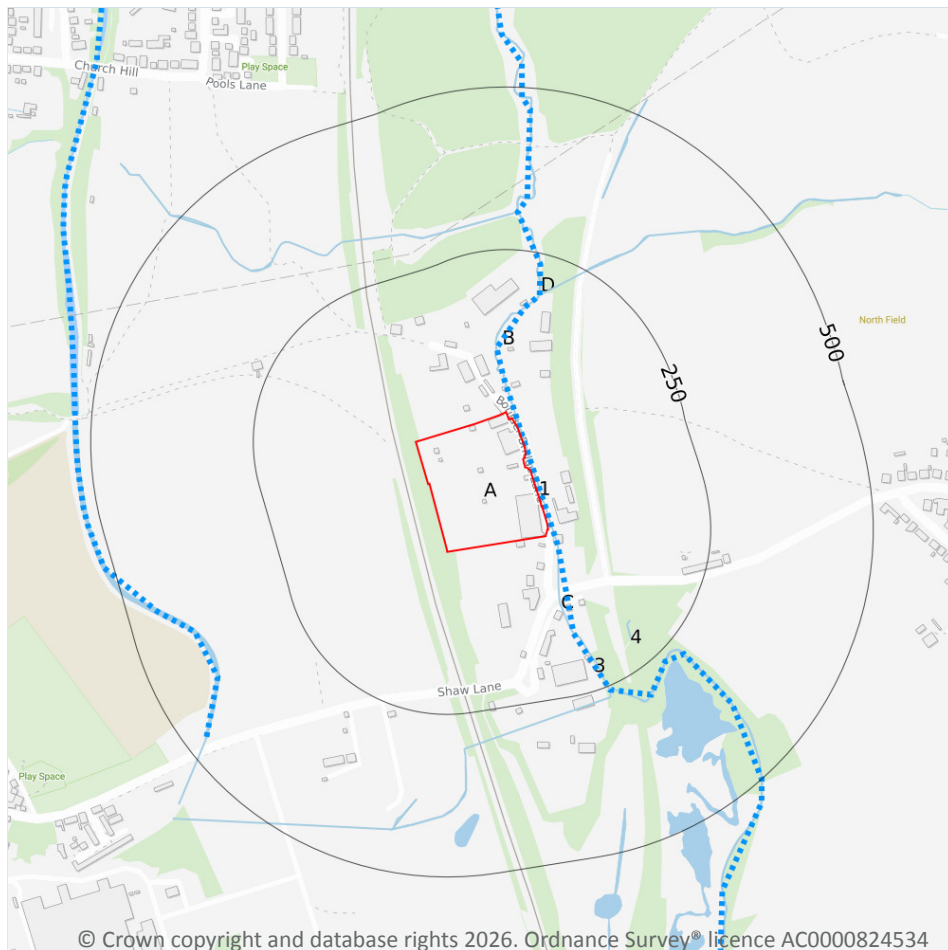
0

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



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

6.1 Water Network (OS NGD)

Records within 250m

10

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 81](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
1	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Boulder Bridge Dike



ID	Location	Type of water feature	Ground level	Permanence	Name
B	55m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Pools Dike
C	79m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Boulder Bridge Dike
C	102m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Shaw Dike
C	107m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Shaw Dike
3	143m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Shaw Dike
4	183m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	188m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Pools Dike
D	188m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	241m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Pools Dike

This data is sourced from the Ordnance Survey®.

6.2 Surface water features

Records within 250m

1

Covering rivers, streams and lakes (some overlap with OS NGD 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 81](#) >

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 81](#) >

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Cudworth Dyke from Source to River Dearne	GB104027063230	Dearne	Don and Rother

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

6.4 WFD Surface water bodies

Records identified

1

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 81](#) >

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
2	2m E	River	Cudworth Dyke from Source to River Dearne	GB104027063230 ↗	No longer applicable	Does not require assessment	Poor	2022

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.



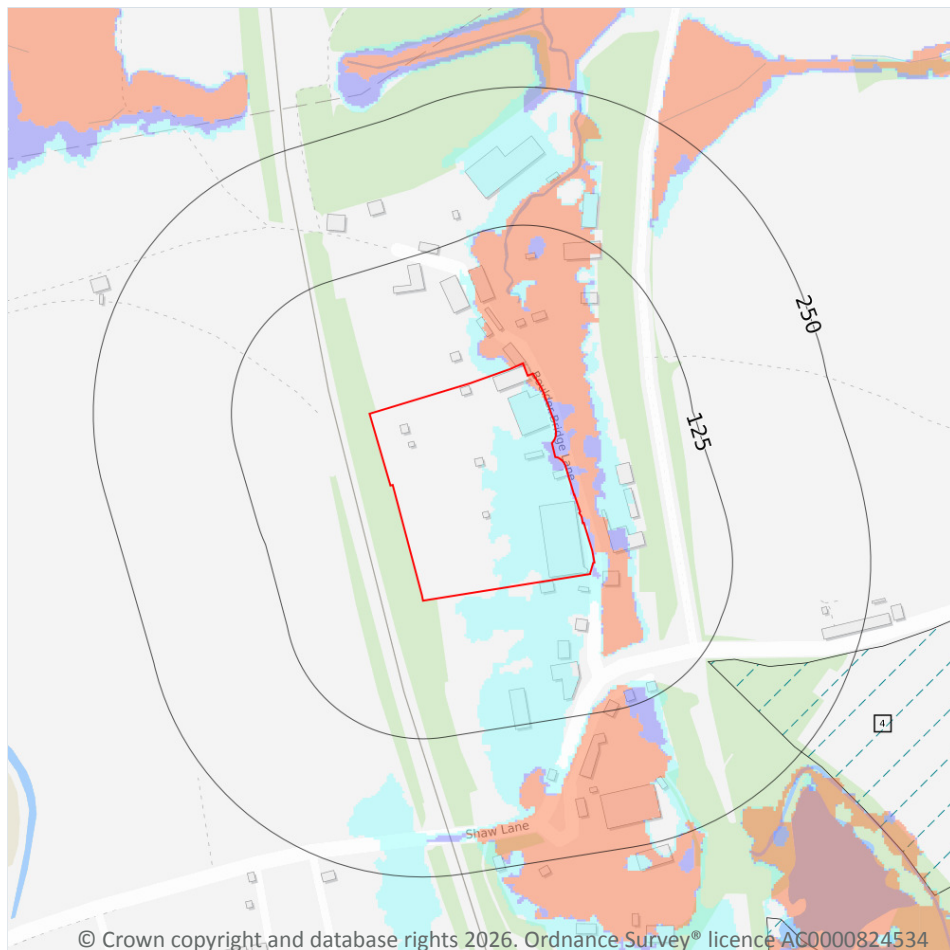
Features are displayed on the Hydrology map on [page 81](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Don & Rother Millstone grit & Coal Measures	GB40402G992300 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

3

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

Features are displayed on the River and coastal flooding map on [page 85 >](#)



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

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

7.2 Historical Flood Events

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

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

Features are displayed on the River and coastal flooding map on [page 85 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
4	133m SE	123 March 1947	1947-03-19 1947-03-22	Ordinary watercourse	Channel capacity exceeded (no raised defences)	Fluvial

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

7.3 Flood Defences

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

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.

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

7.4 Areas Benefiting from Flood Defences

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

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

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



7.5 Flood Storage Areas

Records within 250m

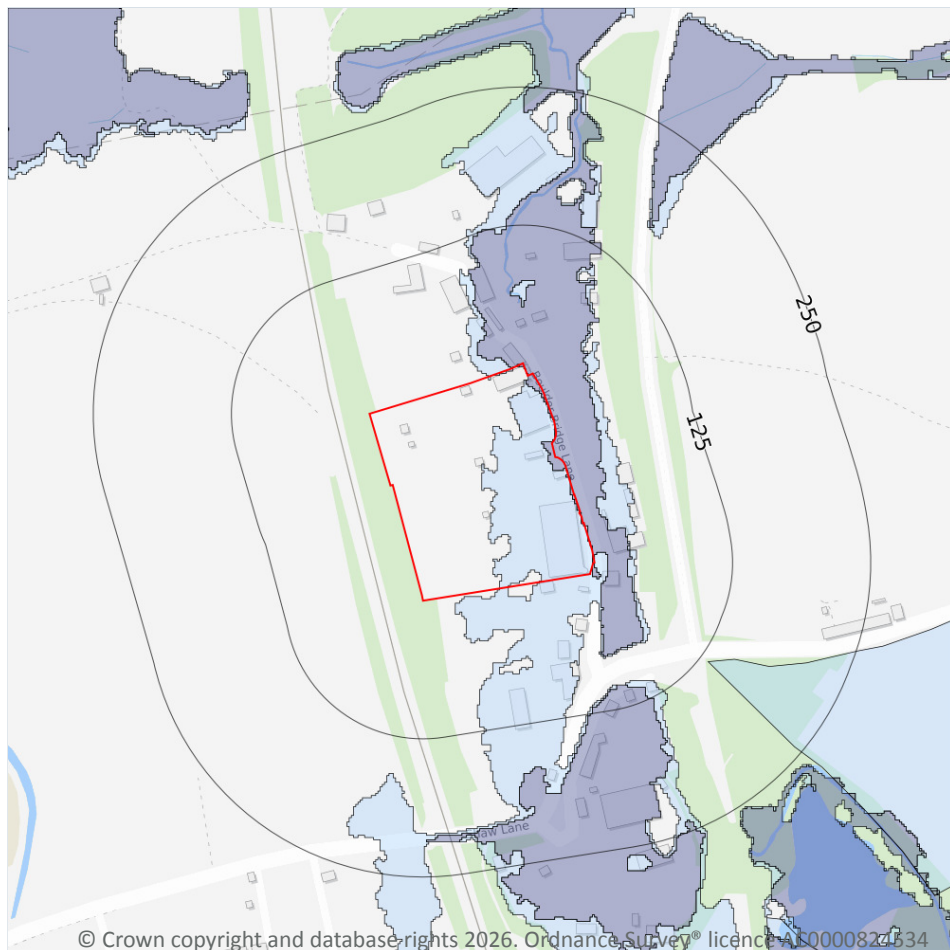
0

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

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



River and coastal flooding - Flood Zones



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

7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on [page 85 >](#)

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.

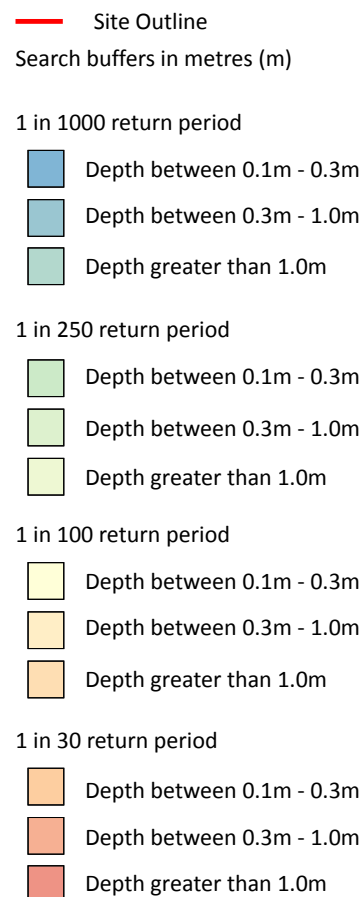
Features are displayed on the River and coastal flooding map on [page 85](#) >

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 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on [page 90 >](#)

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.

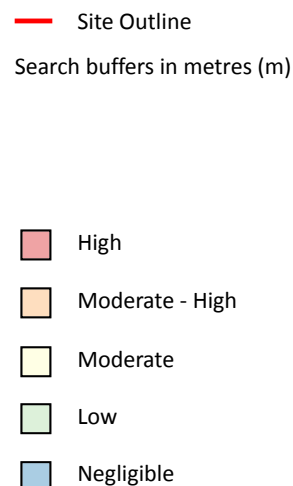
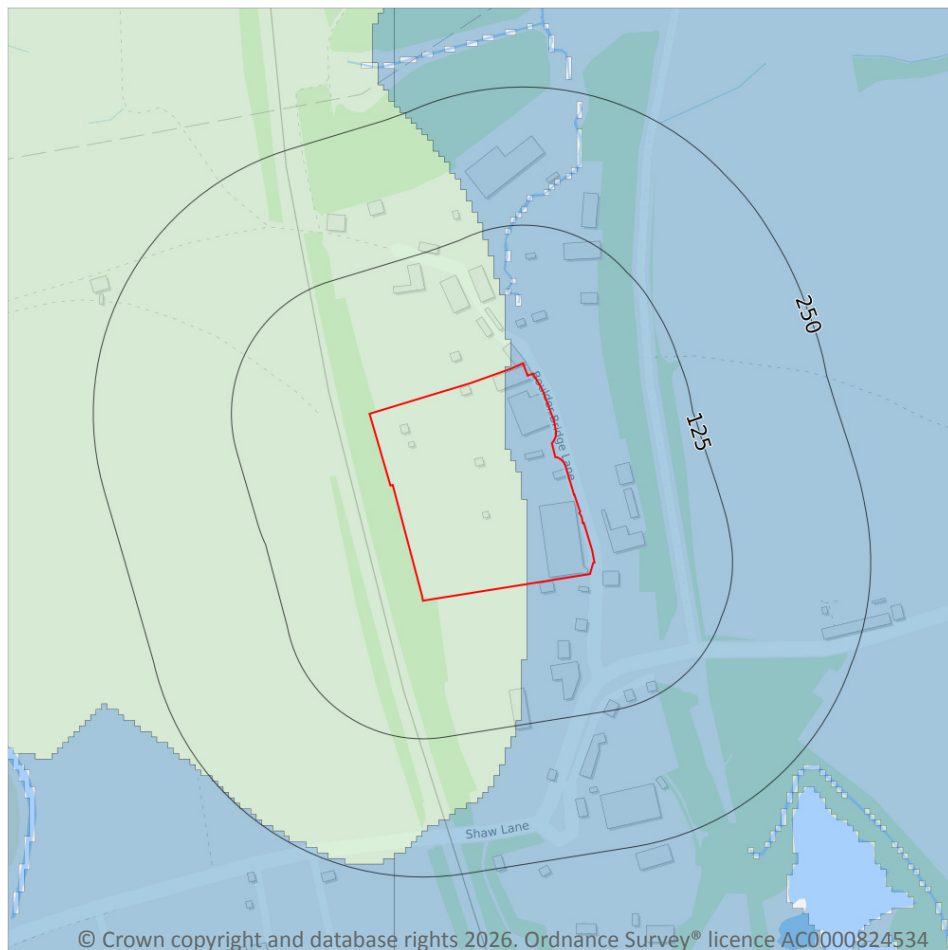
The table below shows the maximum flood depths for a range of return periods for the site.

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 Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

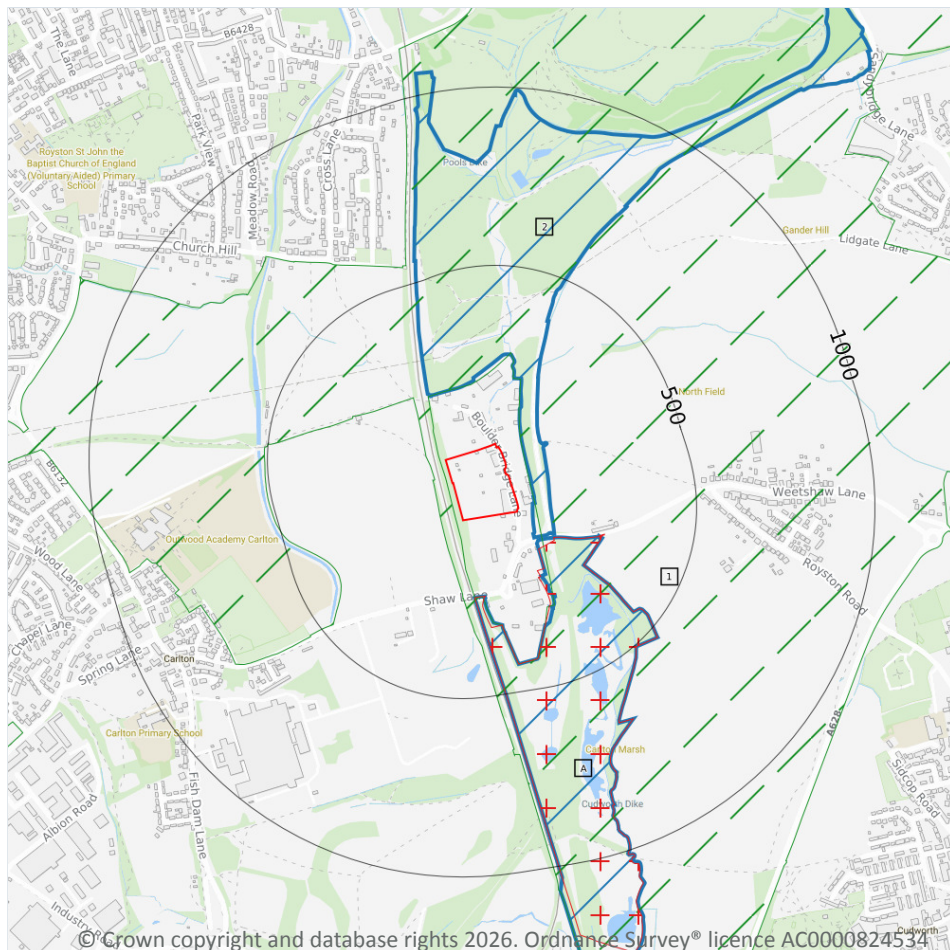
Low

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 92 >](#)

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- Local Nature Reserves (LNR)
- Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

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

Features are displayed on the Environmental designations map on [page 93](#) >

ID	Location	Name	Data source
2	40m E	Dearne Valley Wetlands SSSI	Natural England



ID	Location	Name	Data source
A	100m SE	Dearne Valley Wetlands SSSI	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	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 93 >](#)

ID	Location	Name	Data source
A	121m SE	Carlton Marsh (Mapped Boundary Not Verified)	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**2**

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

Features are displayed on the Environmental designations map on [page 93](#) >

ID	Location	Name	Local Authority name
1	15m W	South and West Yorkshire Green Belt	Barnsley
-	1551m NE	South and West Yorkshire Green Belt	Wakefield

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

10.12 Proposed Ramsar sites

Records within 2000m**0**

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

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

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



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

2

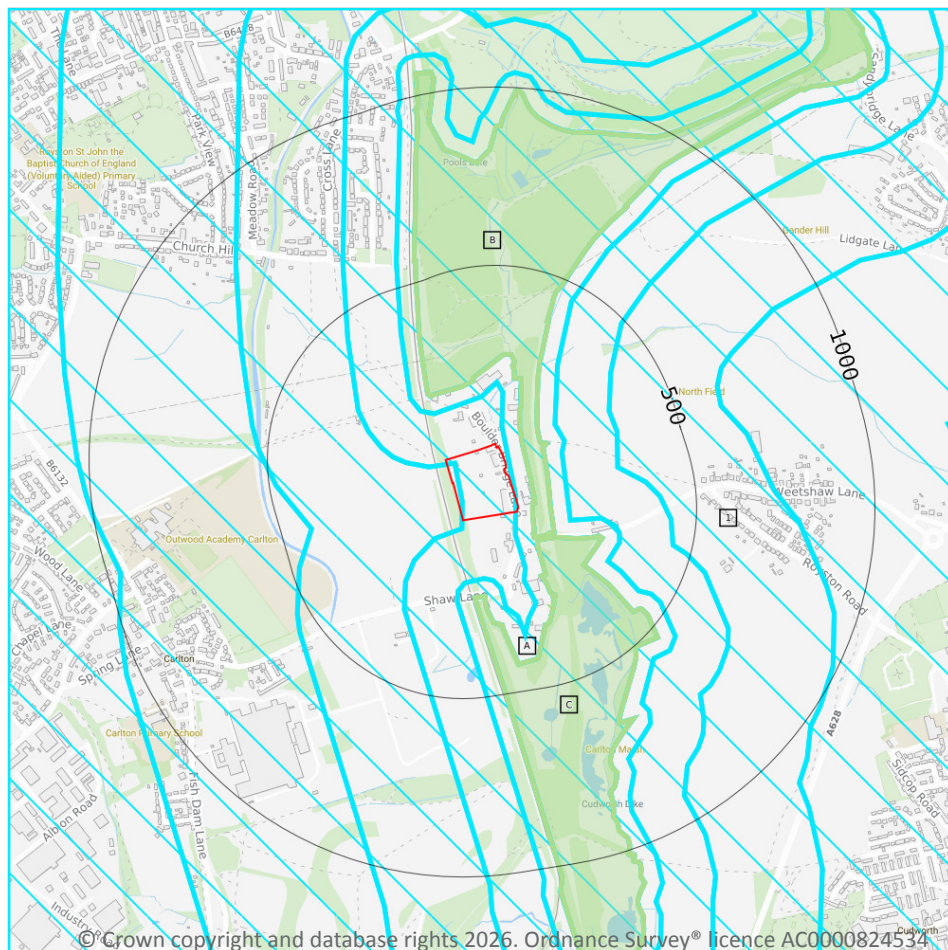
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	River Dearne NVZ	Surface Water	278	Existing
1922m NW	Owler Beck from Source to River Calder NVZ	Surface Water	268	Existing

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



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

3

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 98](#) >

ID	Location	Type of developments requiring consultation
1	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0111242211121&notes=&location=438053,410771%20(IRZ%20polygon%20centre)
A	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=2000000000000&notes=&location=438053,408878%20(IRZ%20polygon%20centre)



ID	Location	Type of developments requiring consultation
A	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=3111221111121&notes=&location=438053,410355%20(IRZ%20polygon%20centre)

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	2
-----------------------------	----------

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on [page 98 >](#)

ID: B
 Location: 40m E
 SSSI name: Dearne Valley Wetlands
 Unit name: Pool Ings And Sandybridge Dyke
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Willow Tit, Poecile montanus	Favourable	01/03/2021
Assemblages of breeding birds - Mixed	Favourable	01/03/2021
Assemblages of breeding birds - Scrub	Favourable	01/03/2021

ID: C
 Location: 100m SE
 SSSI name: Dearne Valley Wetlands
 Unit name: Carlton Marsh
 Broad habitat: Standing Open Water And Canals
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Gadwall, Mareca strepera	Favourable	01/03/2021
Aggregations of breeding birds - Willow Tit, Poecile montanus	Favourable	01/03/2021



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Gadwall, Mareca strepera	Favourable	01/03/2021
Aggregations of non-breeding birds - Shoveler, Anas clypeata	Favourable	01/03/2021
Assemblages of breeding birds - Lowland damp grasslands	Favourable	01/03/2021
Assemblages of breeding birds - Mixed	Favourable	01/03/2021
Assemblages of breeding birds - Scrub	Favourable	01/03/2021

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

0

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.



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



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

2

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

Features are displayed on the Agricultural designations map on [page 103](#) >

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



ID	Location	Classification	Description
2	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

This data is sourced from Natural England.

12.2 Open Access Land

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

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

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

12.3 Tree Felling Licences

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

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	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**1**

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.

Location	Reference	Scheme	Start Date	End Date
99m E	1264070	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026

This data is sourced from Natural England.



13 Habitat designations



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

5

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 106 >](#)

ID	Location	Main Habitat	Other habitats
1	118m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	126m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	143m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	189m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
5	219m S	Deciduous woodland	Main habitat: DWOOD (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.

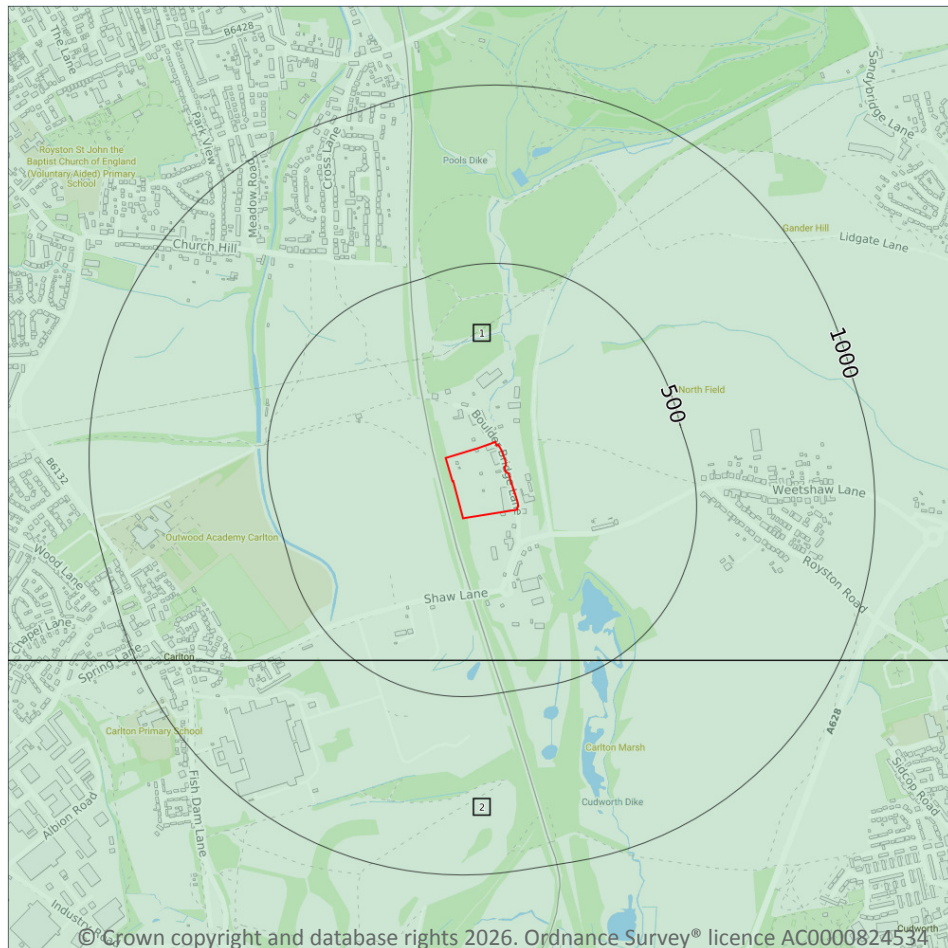
13.4 Limestone Pavement Orders

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.

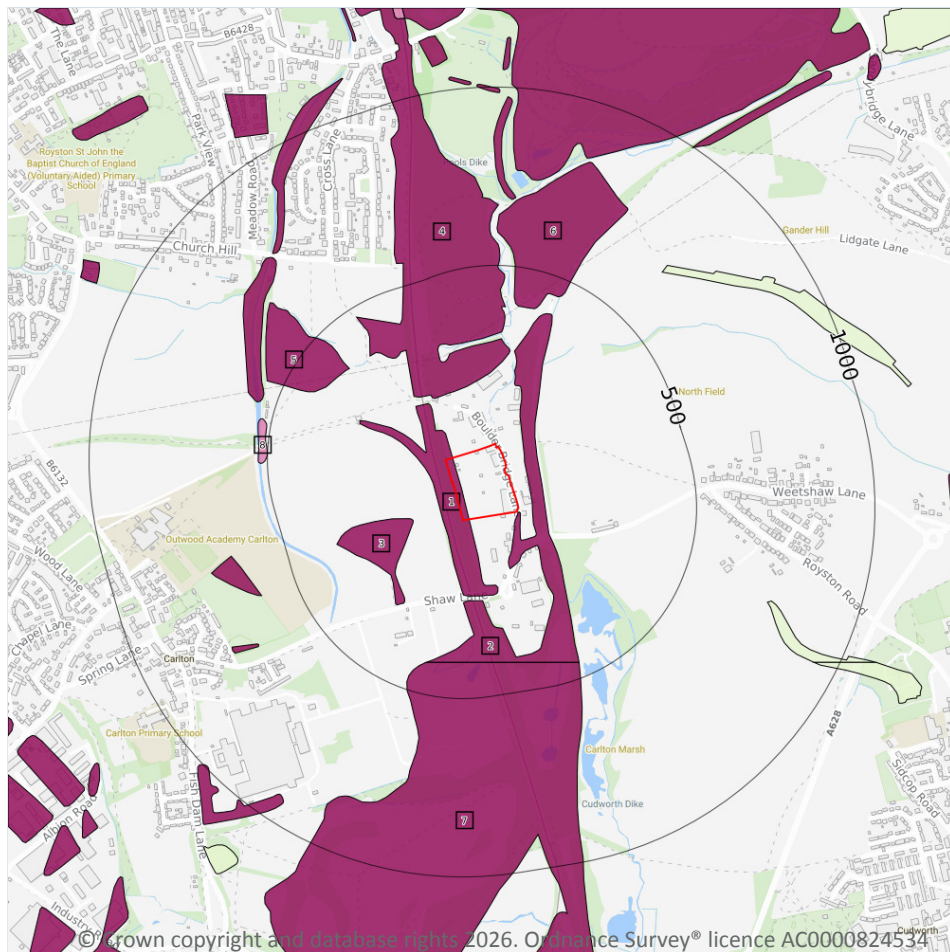
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 108](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SE31SE
2	398m S	Full	Full	Full	No coverage	SE30NE

This data is sourced from the British Geological Survey.



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



- Site Outline**
- Search buffers in metres (m)**
- Reclaimed ground
 - Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

8

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 109 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
2	5m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
3	135m W	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
4	174m N	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit

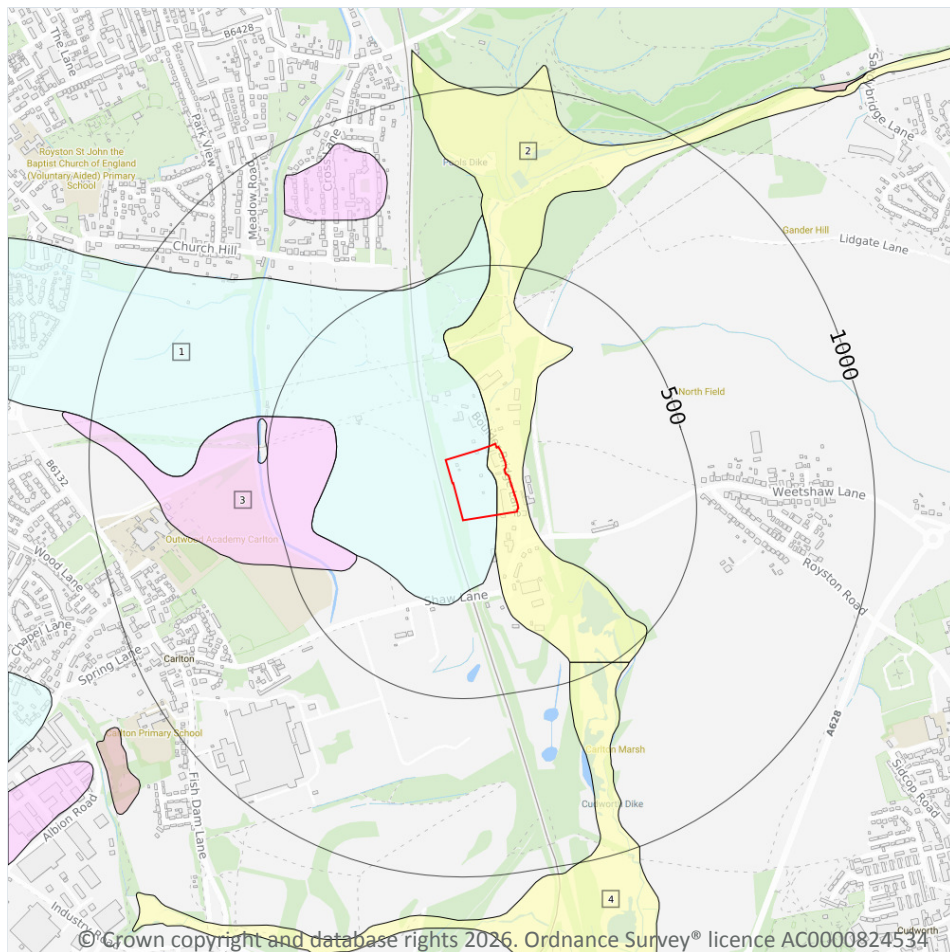


ID	Location	LEX Code	Description	Rock description
5	372m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
6	391m N	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
7	398m S	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
8	500m W	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

4

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 111](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TILMP-DMTN	Till, Mid Pleistocene-Diamicton	Diamicton
2	On site	ALV-XCZ	Alluvium-Clay And Silt	Clay and silt
3	308m W	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene-Sand And Gravel	Sand and gravel



ID	Location	LEX Code	Description	Rock description
4	448m S	ALV-XCZ	Alluvium-Clay And Silt	Clay and silt

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

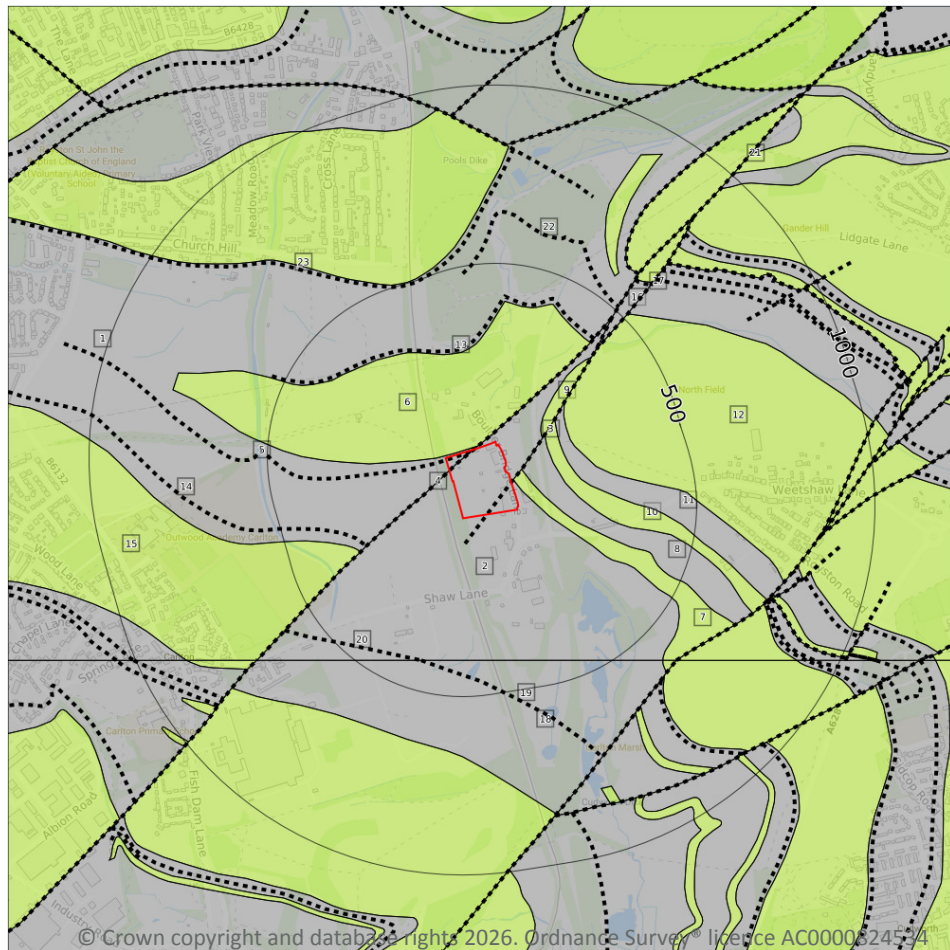
0

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

12

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 113](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
2	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
6	5m N	ACR-SDST	Ackton Rock-Sandstone	Westphalian



ID	Location	LEX Code	Description	Rock age
7	8m E	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
8	39m E	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
9	120m E	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
10	123m E	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
11	161m E	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
12	191m E	GH-SDST	Glass Houghton Rock-Sandstone	Westphalian
15	302m W	OR-SDST	Oaks Rock-Sandstone	Westphalian
16	384m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
18	398m S	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

11

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.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 113](#) >

ID	Location	Category	Description
3	On site	FAULT	Fault, inferred, displacement unknown
4	On site	FAULT	Fault, inferred, displacement unknown
5	On site	ROCK	Coal seam, inferred
13	277m N	ROCK	Coal seam, inferred
14	282m W	FOSSIL_HORIZON	Marine band
17	384m NE	FAULT	Fault, inferred, displacement unknown
19	415m S	FOSSIL_HORIZON	Marine band
20	415m S	FOSSIL_HORIZON	Marine band

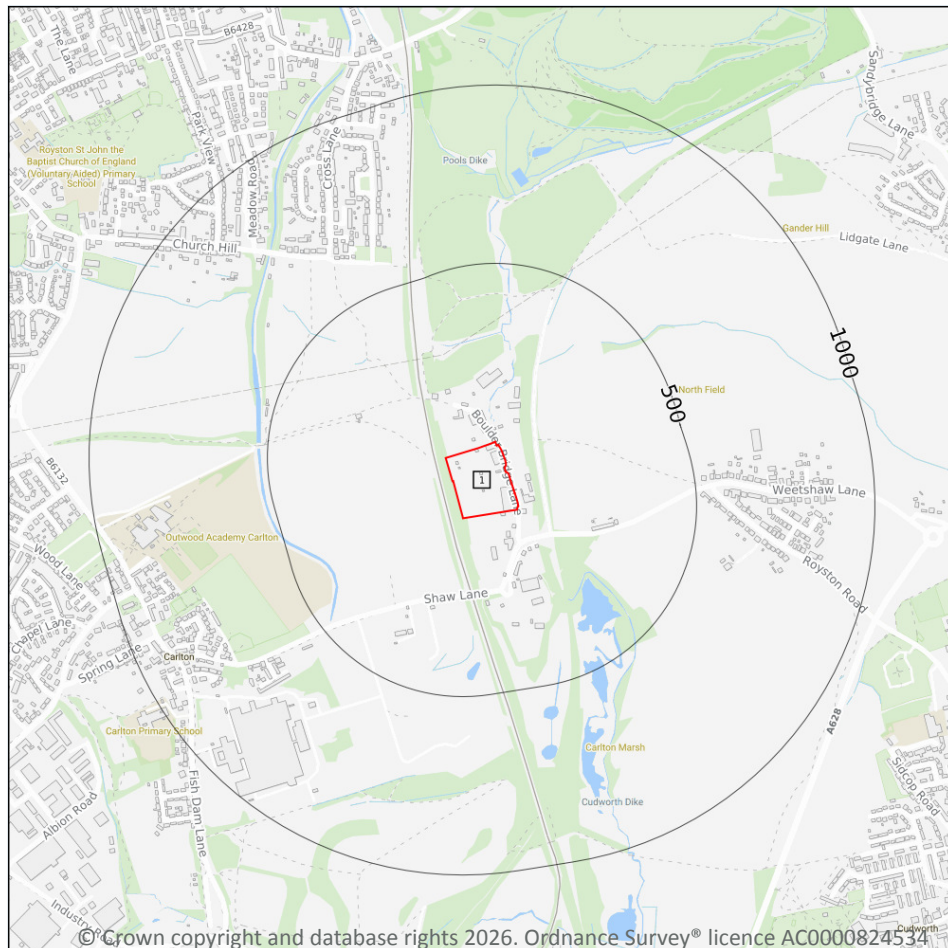


ID	Location	Category	Description
21	477m NE	FAULT	Fault, inferred, displacement unknown
22	480m N	ROCK	Coal seam, inferred
23	495m N	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

— 500

— 1000

□ 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.

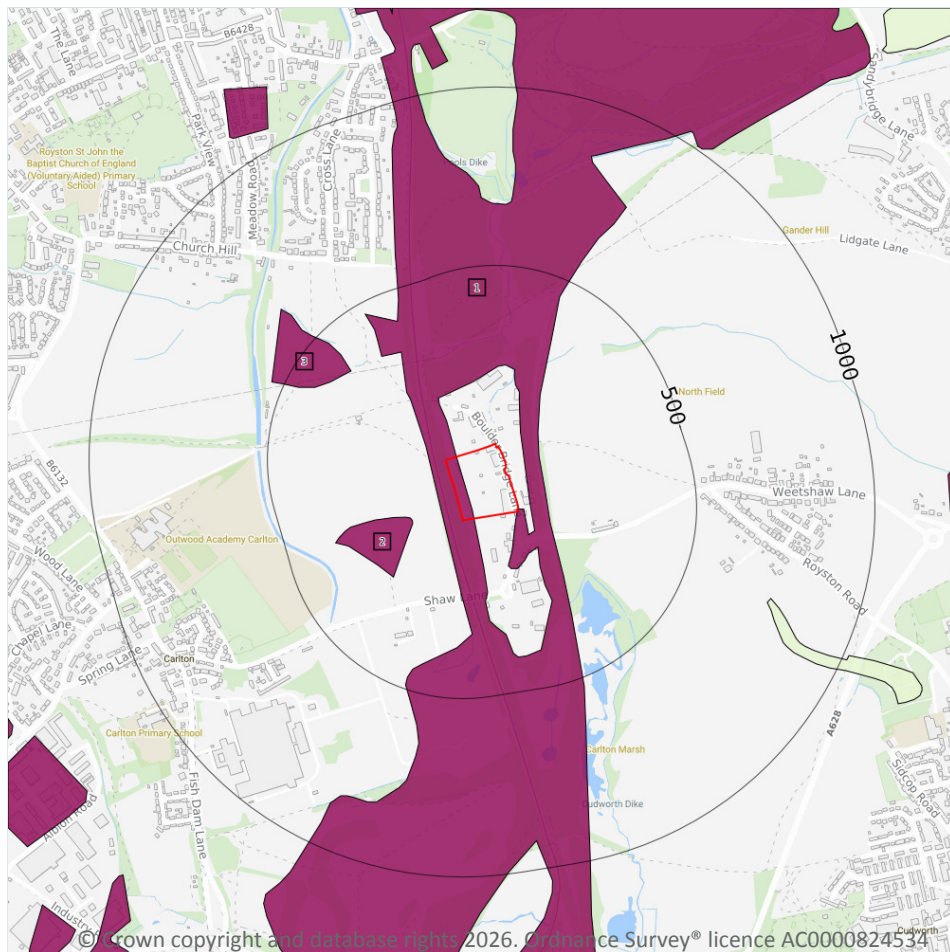
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 116](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	Full	EW087_barnsley_v4

This data is sourced from the British Geological Survey.



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



- Site Outline**
- Search buffers in metres (m)**
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 117](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground	Artificial deposit
2	138m W	MGR-ARTDP	Made Ground	Artificial deposit
3	364m NW	MGR-ARTDP	Made Ground	Artificial deposit

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

Records within 50m

1

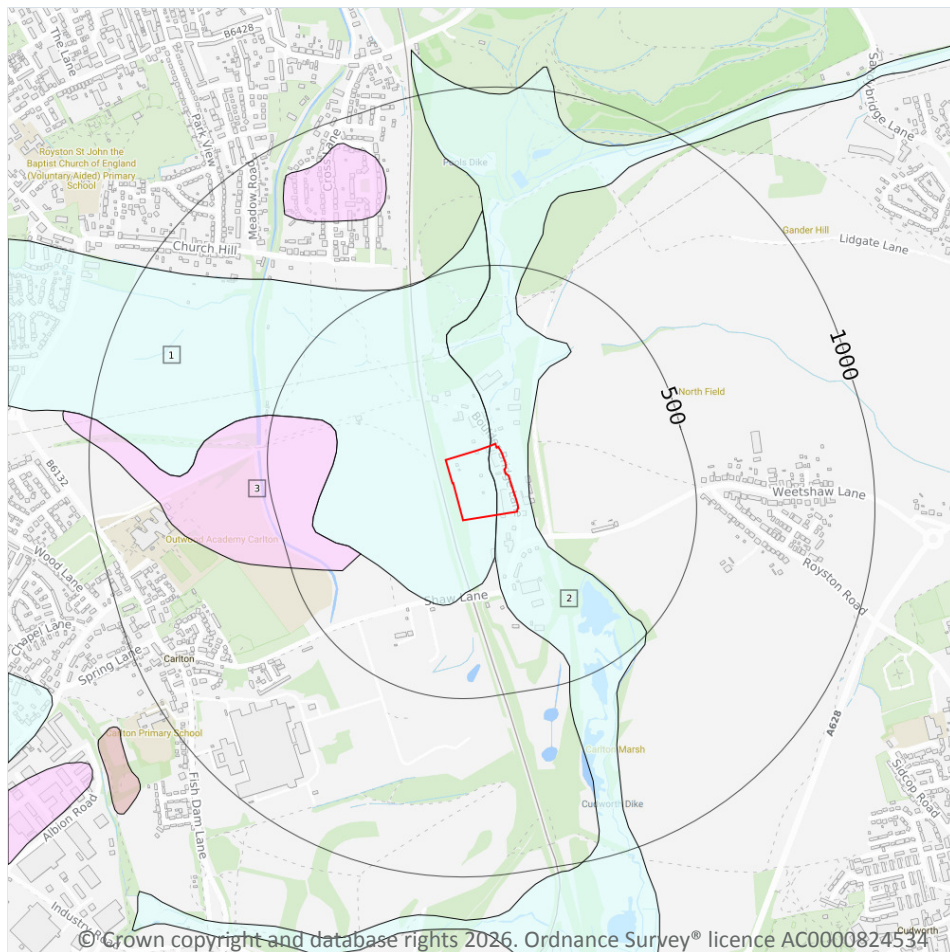
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Very High	Low

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 119](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TILMP-DMTN	Till, Mid Pleistocene	Diamicton
2	On site	ALV-XCZSV	Alluvium	Clay, silt, sand and gravel
3	302m W	GFDMP-XSV	Glaciofluvial deposits, Mid Pleistocene	Sand and gravel



This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

2

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of 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
On site	Mixed	High	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

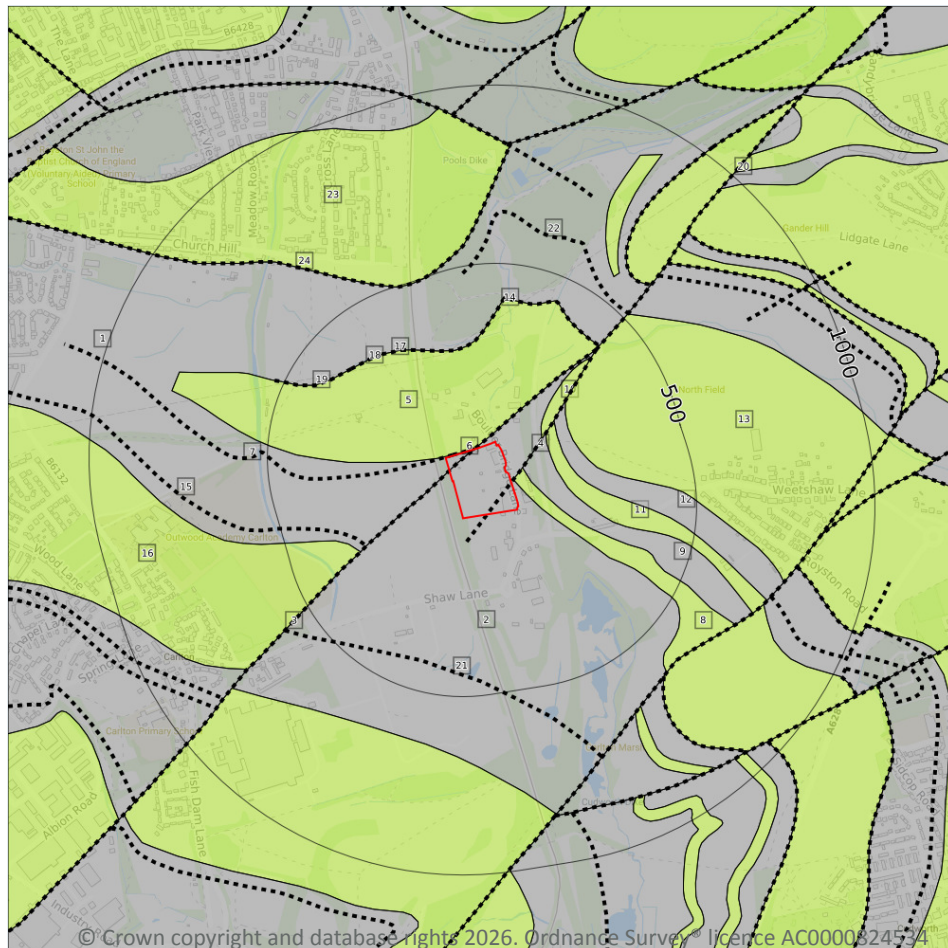
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

11

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 121](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
2	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
5	1m N	ACR-SDST	Ackton Rock-Sandstone	Westphalian



ID	Location	LEX Code	Description	Rock age
8	8m E	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
9	43m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
10	117m E	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
11	125m E	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
12	160m E	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
13	196m E	GH-SDST	Glass Houghton Rock-Sandstone	Westphalian
16	302m W	OR-SDST	Oaks Rock-Sandstone	Westphalian
23	495m N	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	3
---------------------------	----------

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	Moderate	Low
1m N	Fracture	High	Moderate
8m E	Fracture	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	13
----------------------------	-----------

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.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 121](#) >



ID	Location	Category	Description
3	On site	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
4	On site	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
6	1m N	ROCK	Coal seam, inferred
7	3m N	ROCK	Coal seam, inferred
14	279m N	ROCK	Coal seam, inferred
15	282m W	FOSSIL_HORIZON	Marine band
17	327m N	ROCK	Coal seam, inferred
18	342m NW	ROCK	Coal seam, inferred
19	364m NW	ROCK	Coal seam, inferred
20	384m NE	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
21	415m S	FOSSIL_HORIZON	Marine band
22	481m N	ROCK	Coal seam, inferred
24	495m N	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

1

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

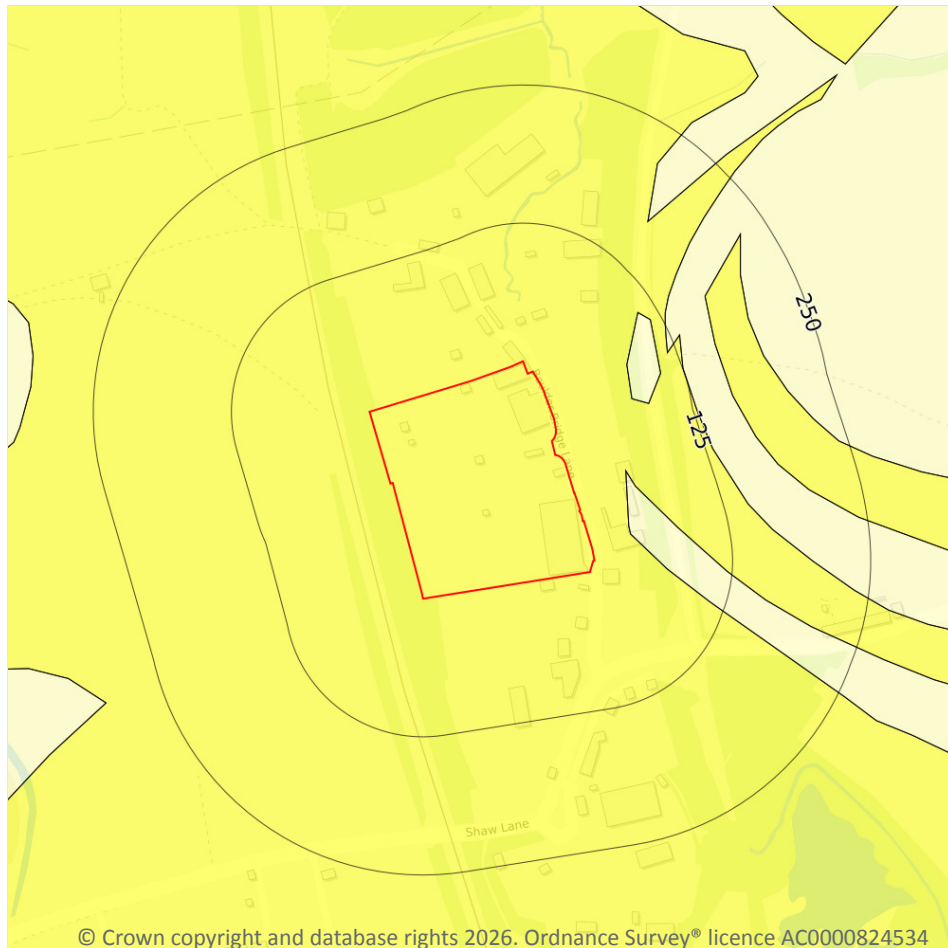
Features are displayed on the Boreholes map on [page 124](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	7m W	437514 410503	CARLTON LMS PUMPING STATION	-1.0	N	85654 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.1 Shrink swell clays

Records within 50m

2

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).

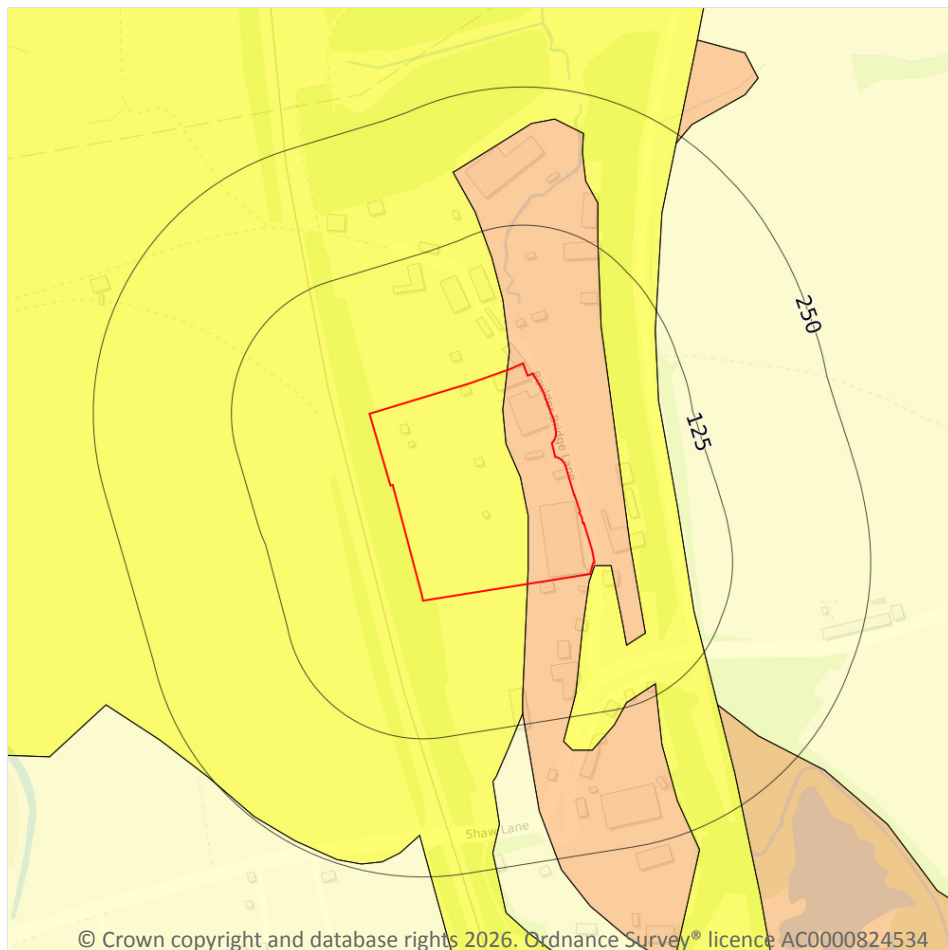
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 125 >](#)

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
37m E	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.2 Running sands

Records within 50m

2

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 126 >](#)

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

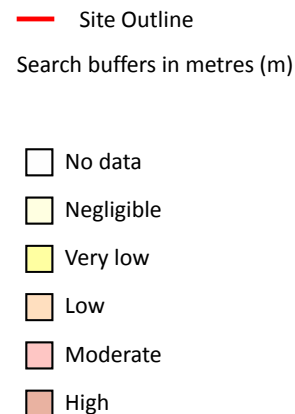
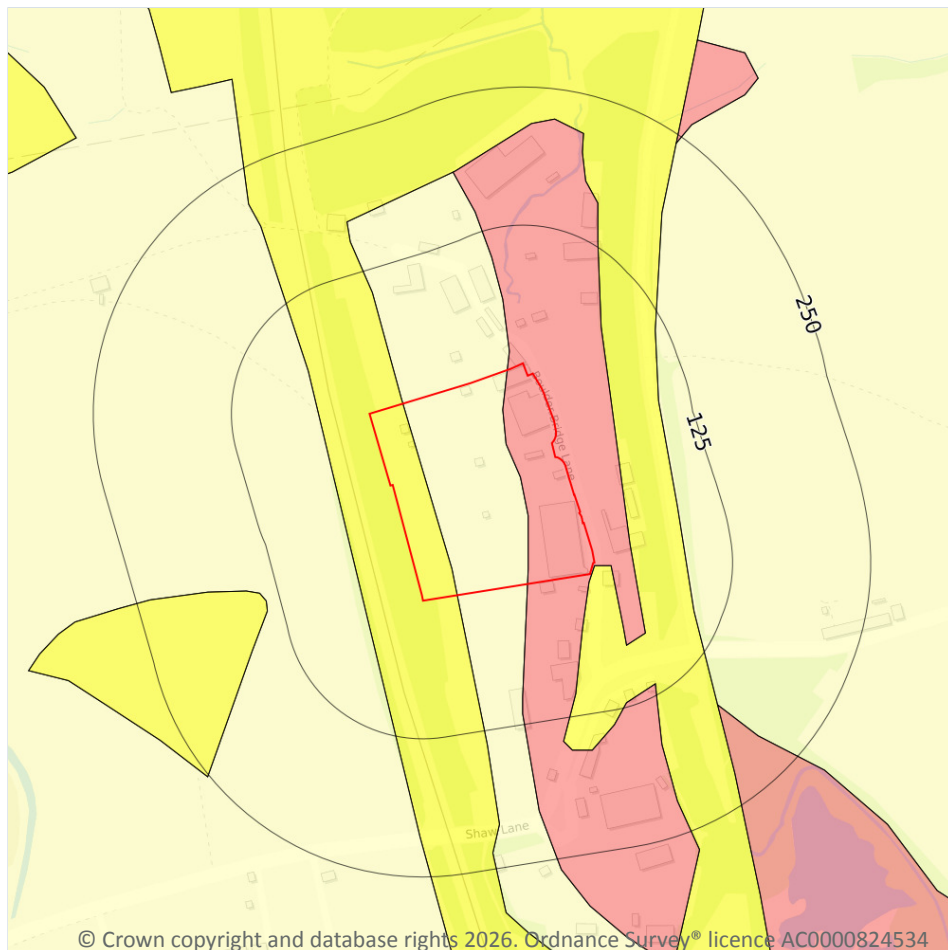


Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

4

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 128](#) >

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

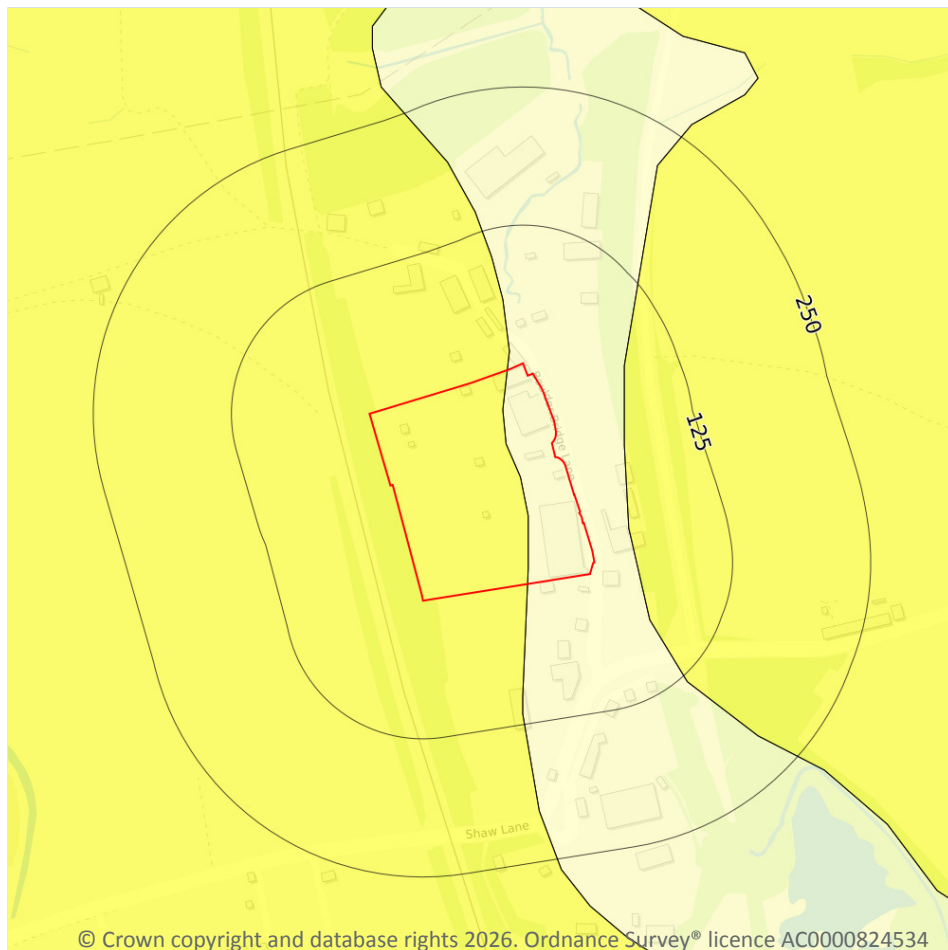


Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
45m W	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

© Crown copyright and database rights 2026. Ordnance Survey® licence AC0000824534

17.4 Collapsible deposits

Records within 50m

2

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.

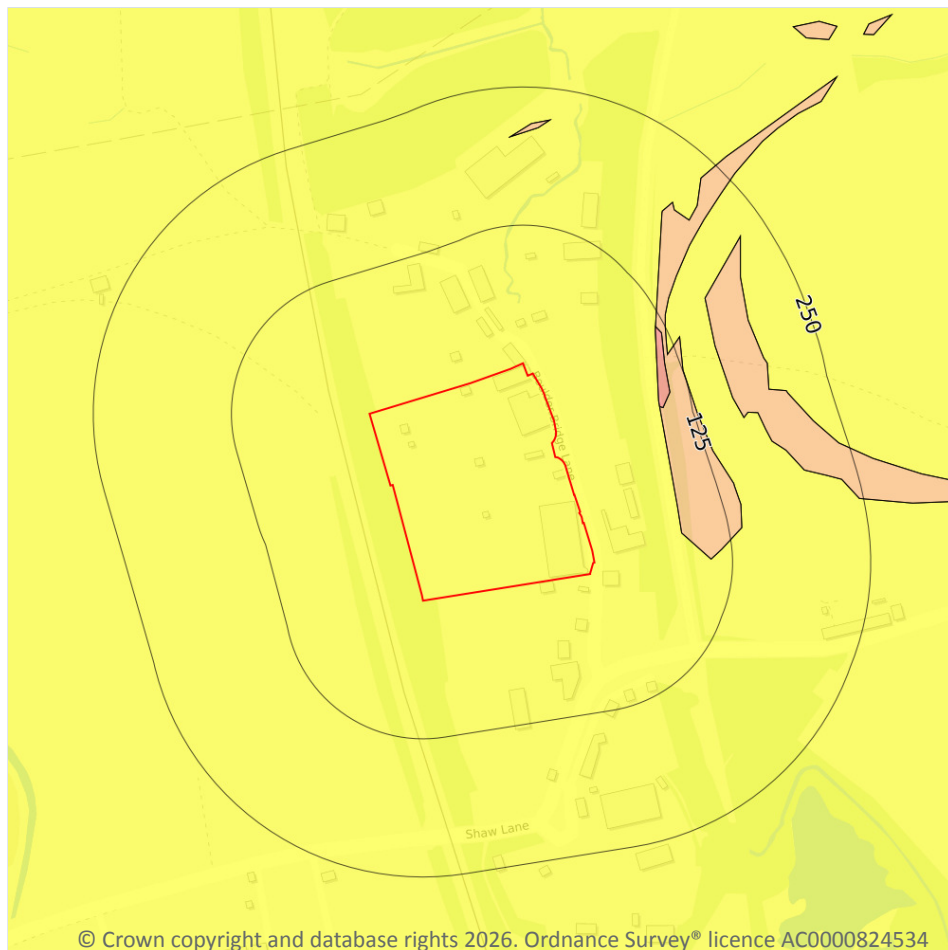
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 130 >](#)

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

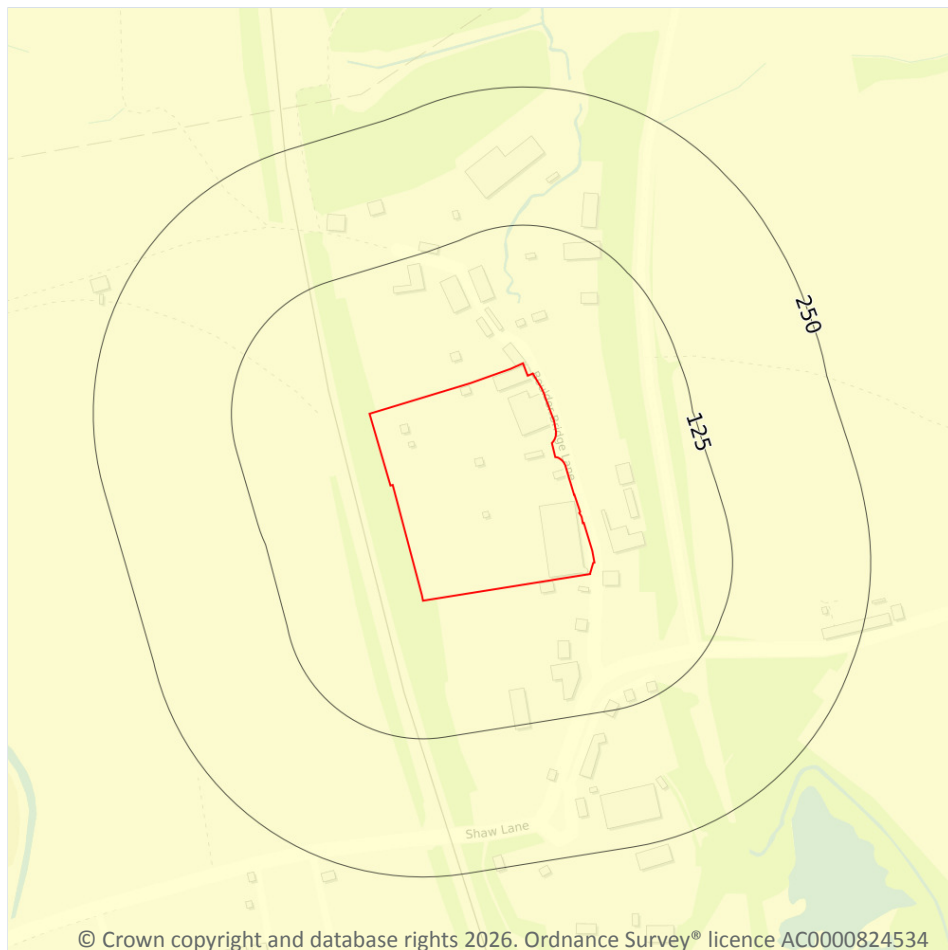
Features are displayed on the Natural ground subsidence - Landslides map on [page 131](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

© Crown copyright and database rights 2026. Ordnance Survey® licence AC0000824534

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 132](#) >

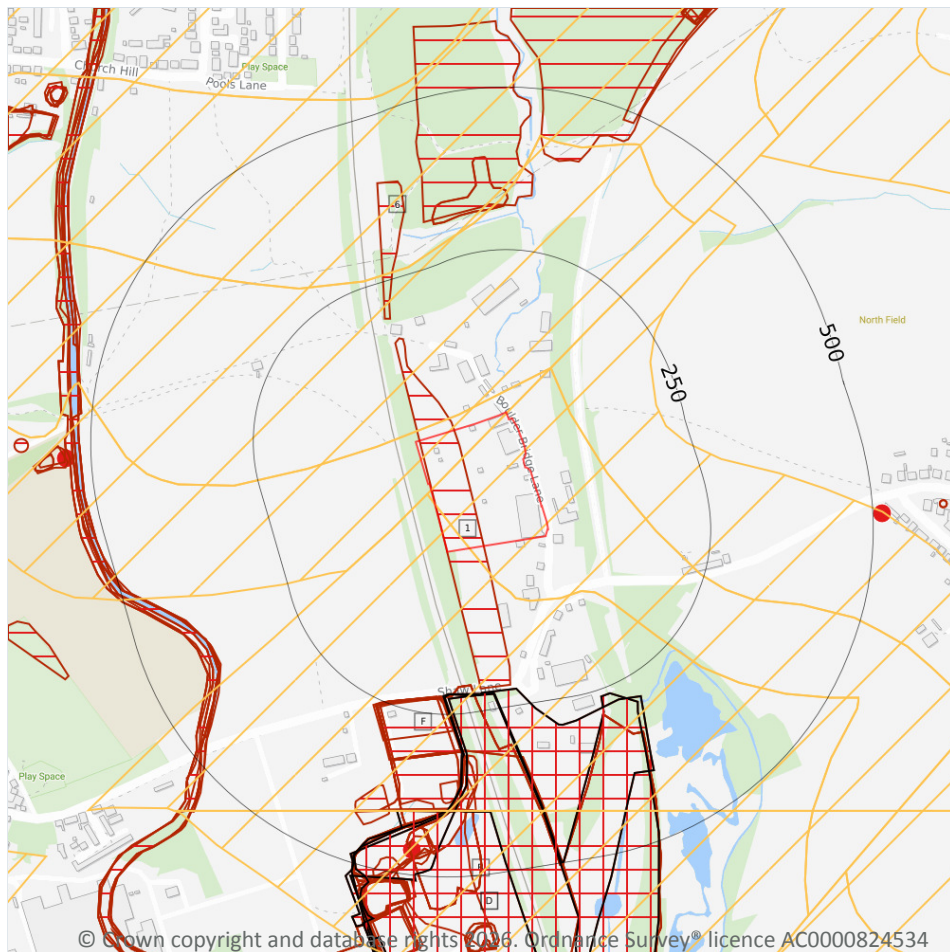
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



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

18.1 BritPits

Records within 500m

1

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

Features are displayed on the Mining and ground workings map on [page 134](#) >

ID	Location	Details	Description
C	462m S	Name: Carlton Main Colliery Clay Pit Address: Carlton, BARNSLEY, South Yorkshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	20
----------------------------	-----------

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

Features are displayed on the Mining and ground workings map on [page 134 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Unspecified Ground Workings	1978	1:10000
6	193m N	Unspecified Ground Workings	1978	1:10000
B	208m S	Colliery	1930	1:10560
B	208m S	Colliery	1930	1:10560
B	208m S	Colliery	1930	1:10560
B	208m S	Colliery	1930	1:10560
C	219m S	Colliery	1904	1:10560
B	219m S	Colliery	1948	1:10560
B	223m S	Colliery	1891	1:10560
F	223m S	Sewage Works	1938	1:10560
F	223m S	Sewage Works	1938	1:10560
F	223m S	Sewage Works	1948	1:10560
F	223m S	Sewage Works	1989	1:10000
F	223m S	Sewage Works	1978	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
F	224m S	Sewage Works	1951	1:10560
F	225m S	Sewage Works	1904	1:10560
F	225m S	Sewage Works	1930	1:10560
F	225m S	Sewage Works	1930	1:10560
F	225m S	Sewage Works	1930	1:10560
F	225m S	Sewage Works	1930	1:10560

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

18.3 Underground workings

Records within 1000m

9

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

Features are displayed on the Mining and ground workings map on [page 134 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
D	219m S	Colliery	1904	1:10560
E	219m S	Colliery	1948	1:10560
E	223m S	Colliery	1891	1:10560
11	399m S	Colliery	1955	1:10560
-	648m S	Unspecified Disused Shafts	1992	1:10000
-	648m S	Unspecified Disused Shafts	1982	1:10000
-	655m S	Unspecified Disused Shafts	1992	1:10000
-	655m S	Unspecified Disused Shafts	1982	1:10000
-	981m N	Colliery	1948	1:10560

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



18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

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

24

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).

Features are displayed on the Mining and ground workings map on [page 134 >](#)

ID	Location	Name	Commodity	Class	Likelihood
2	On site	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
3	On site	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
A	On site	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.



ID	Location	Name	Commodity	Class	Likelihood
4	15m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
5	83m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
7	259m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
10	398m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
14	524m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
15	556m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
16	589m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
17	597m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
19	686m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.



ID	Location	Name	Commodity	Class	Likelihood
20	687m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
21	692m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	743m E	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
24	774m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	789m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	830m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	830m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	859m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	869m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.



ID	Location	Name	Commodity	Class	Likelihood
-	945m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	954m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	962m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.



18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

1

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

Location	Details
On site	The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.

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.

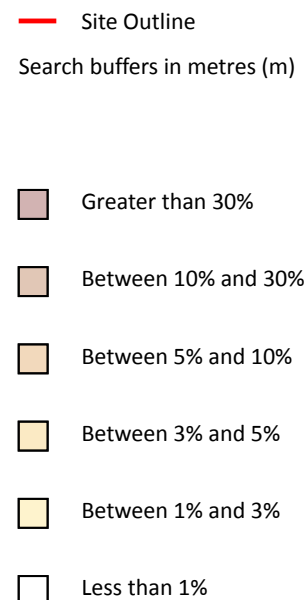
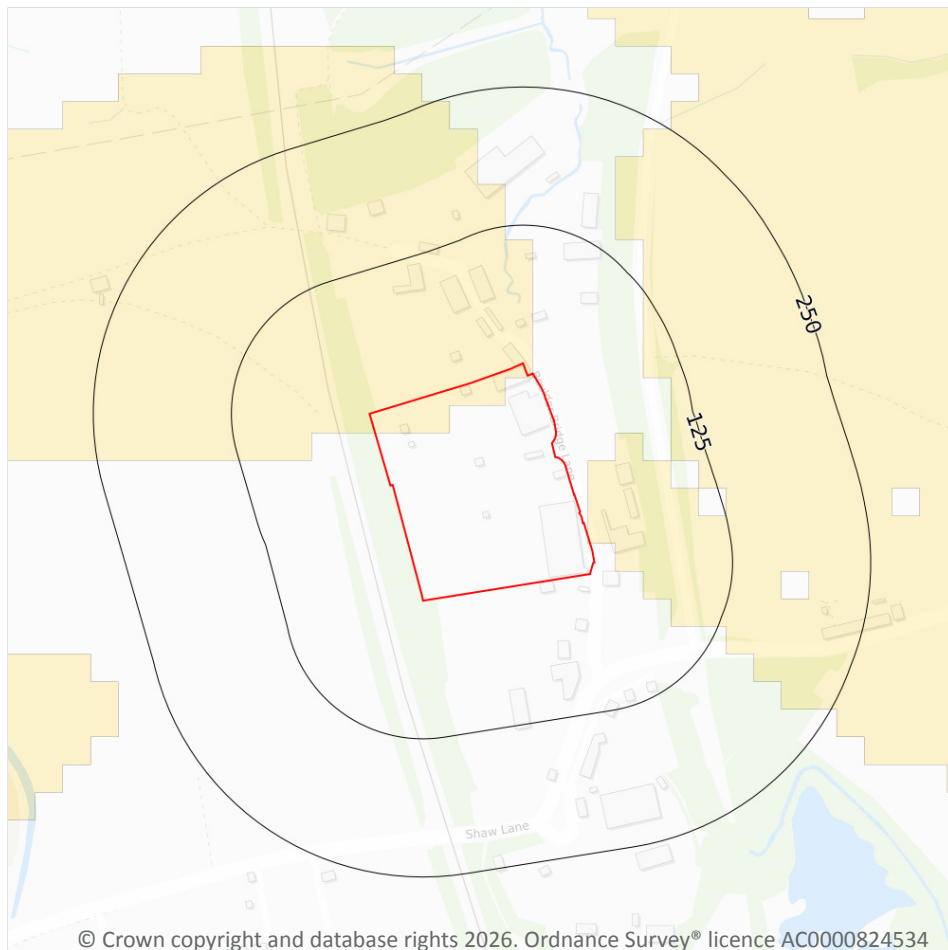
Not all 'holes' noted on Ordnance Survey® mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



20.1 Radon

Records on site

2

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 145 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 1% and 3%	None



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

19

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
2m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
15m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
15m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
20m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
21m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
30m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
32m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
47m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

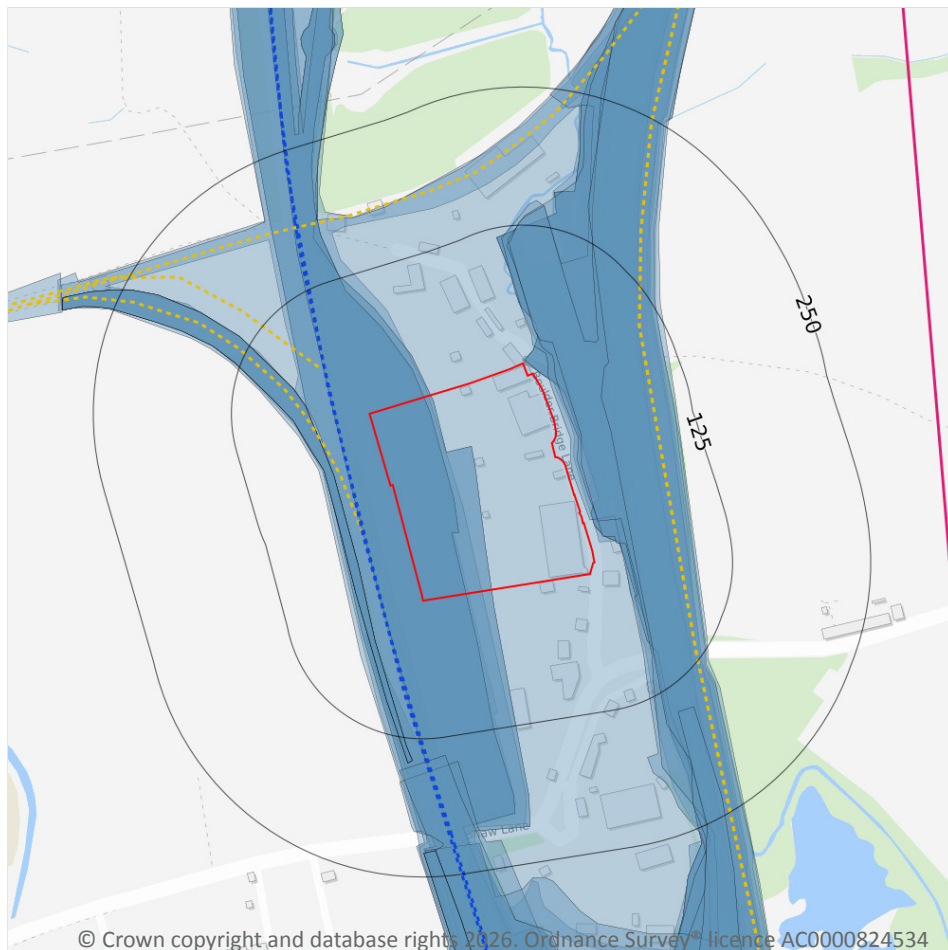
0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

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

23

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

Features are displayed on the Railway infrastructure and projects map on [page 149 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1948	10560
On site	Railway Sidings	1951	10560
On site	Railway Sidings	1930	10560
On site	Railway Sidings	1938	10560
On site	Railway Sidings	1966	10560
On site	Railway Sidings	1962	2500
2m NE	Railway Sidings	1913	2500
4m E	Railway Sidings	1904	10560
12m E	Railway Sidings	1951	10560
13m E	Railway Sidings	1891	10560
18m E	Railway Sidings	1893	2500
18m E	Railway Sidings	1906	2500
20m W	Railway Sidings	1981	2500
22m W	Railway Sidings	1981	2500
37m E	Railway Sidings	1966	10560
39m E	Railway Sidings	1962	2500
47m W	Railway Sidings	1930	10560



Location	Land Use	Year of mapping	Mapping scale
141m S	Railway Sidings	1978	10000
142m SE	Railway Sidings	1981	2500
145m SE	Railway Sidings	1981	2500
148m SE	Railway Sidings	1978	10000
186m S	Railway Sidings	1893	2500
226m S	Railway Sidings	1930	10560

This data is sourced from Ordnance Survey®/Groundsure.

22.5 Royal Mail tunnels

Records within 250m **0**

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m **5**

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

Features are displayed on the Railway infrastructure and projects map on [page 149 >](#)

Location	Description
38m W	Abandoned
62m NW	Historical OSM
77m E	Historical OSM
77m E	Abandoned
176m N	Razed

This data is sourced from OpenStreetMap.



22.7 Railways

Records within 250m

6

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on [page 149 >](#)

Location	Name	Type
30m W	Tapton Junction to Colne Line	rail
31m W	Not given	Single Track
175m N	Tapton Junction to Colne Line	rail
187m N	Tapton Junction to Colne Line	rail
212m S	Tapton Junction to Colne Line	rail
222m S	Tapton Junction to Colne Line	rail

This data is sourced from Ordnance Survey® and OpenStreetMap.

22.8 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m

5

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.

Features are displayed on the Railway infrastructure and projects map on [page 149 >](#)

Location	Track Type	Speed (mph)	Speed (km/h)	Status
320m E	Surface Running Track	224mph	360kph	Section is scheduled for cancellation
321m E	Surface Running Track	224mph	360kph	Section is scheduled for cancellation



Location	Track Type	Speed (mph)	Speed (km/h)	Status
331m E	Surface Running Track	224mph	360kph	Section is scheduled for cancellation
388m NE	Surface Running Track	224mph	360kph	Section is scheduled for cancellation
397m NE	Surface Running Track	224mph	360kph	Section is scheduled for cancellation

This data is sourced from HS2 Ltd.



Data providers

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

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-conditions-april-2026/ ↗.



In partnership with



Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	County Series
Map date:	1854-1855
Scale:	1:10,560
Printed at:	1:10,560

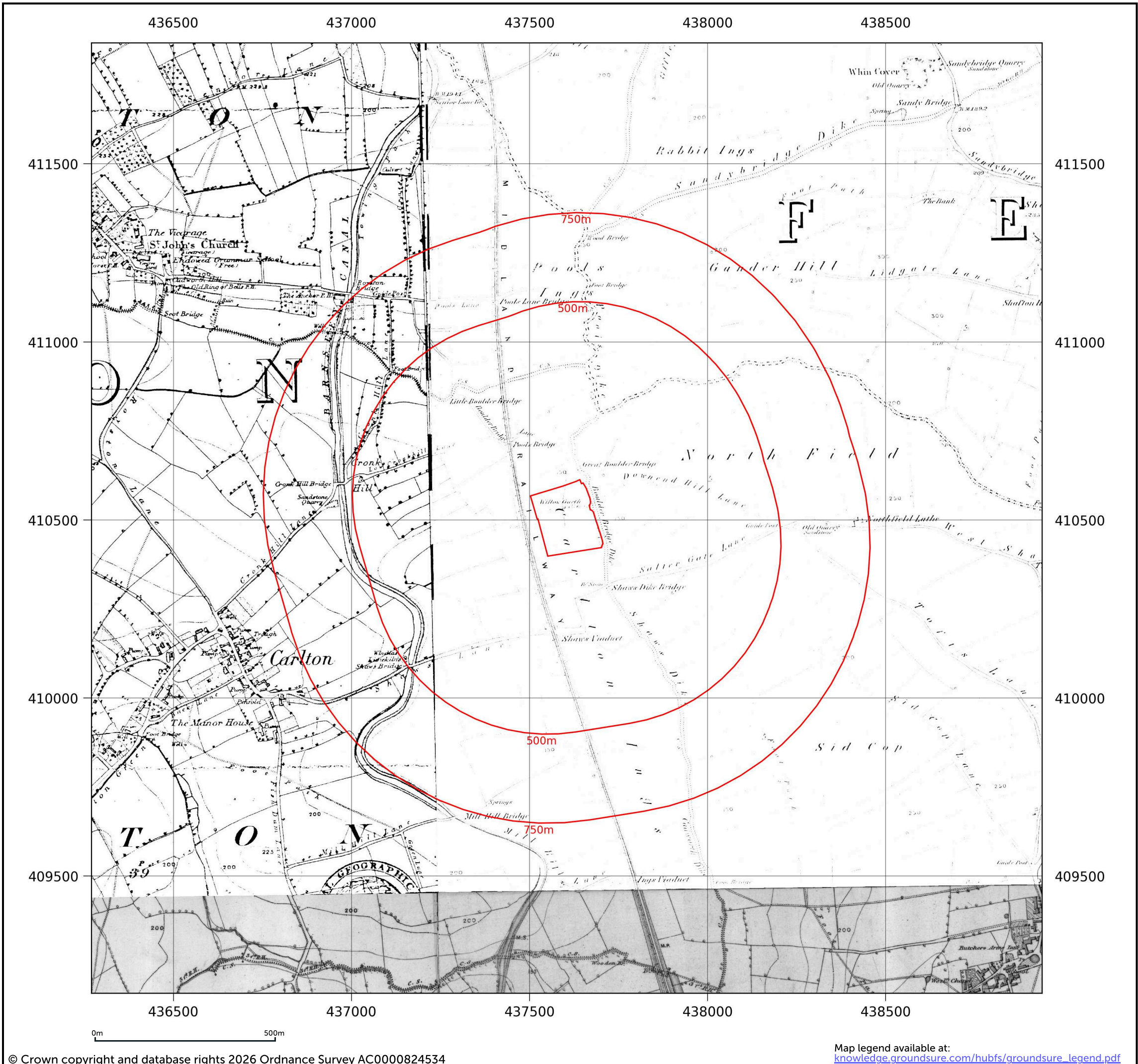
Date: 1854
Surveyed: 1851
Edition: 1854
Levelled: 1854

Date: 1854
Edition: 1854

Date: 1855
Surveyed: 1851
Edition: 1855

Date: 1854
Surveyed: 1850
Edition: 1854

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with



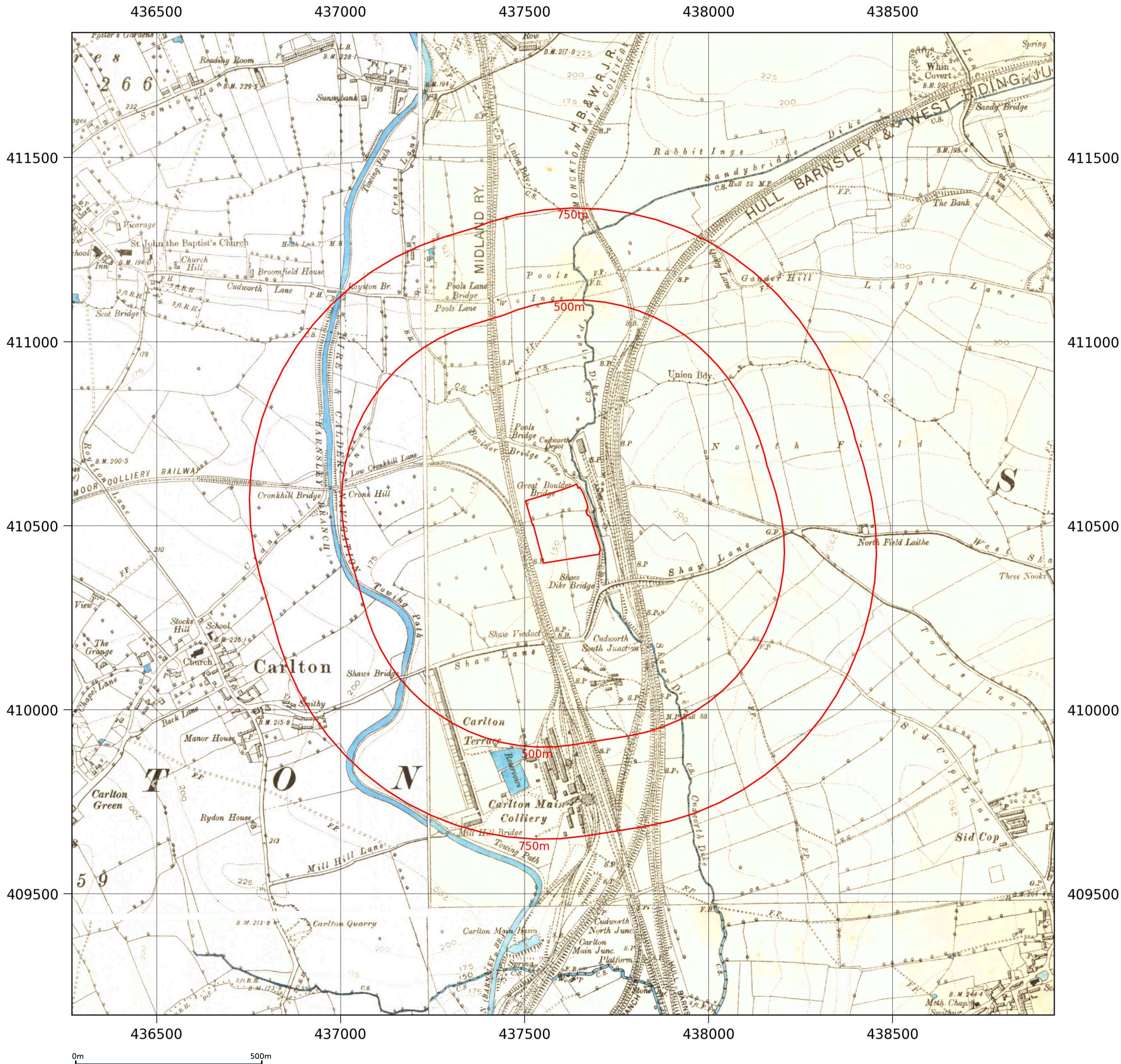
Site details: 794-ENV-EPC-23680 Ward Barnsley
Client ref: 794-ENV-EPC-23680
Report ref: RPS-DLW-C4N-J7S-711
Grid ref: 437605.14, 410500.57
Production date: 27 April 2026

Map name: County Series
Map date: 1890-1894
Scale: 1:10,560
Printed at: 1:10,560



Date: 1891 Surveyed: 1891 Revised: 1891	Date: 1891 Surveyed: 1891 Revised: 1891
Date: 1890 Surveyed: 1890 Revised: 1890	Date: 1894 Surveyed: 1890 Edition: 1894

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with



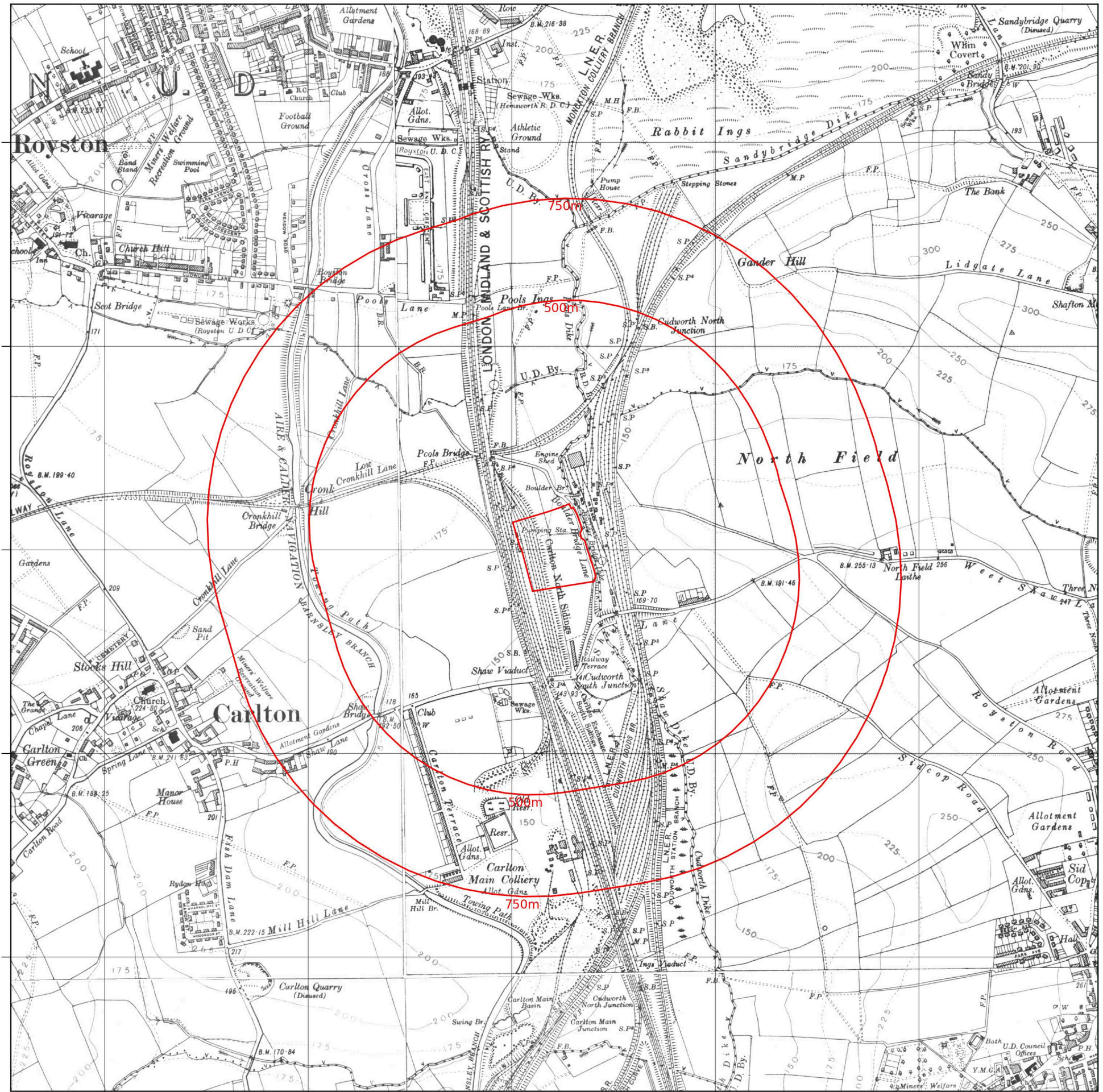
Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026
Map name:	County Series
Map date:	1904
Scale:	1:10,560
Printed at:	1:10,560
Date: 1904 Surveyed: 1891 Revised: 1904 Date: 1904 Surveyed: 1891 Revised: 1904 Date: 1904 Surveyed: 1891 Revised: 1904 Date: 1904 Surveyed: 1890 Revised: 1904	

Contact us with any questions at:
info@groundsure.com
01273 257 755



436500 437000 437500 438000 438500

411500 411000 410500 410000 409500



436500 437000 437500 438000 438500

0m 500m

In partnership with



Site details: 794-ENV-EPC-23680 Ward Barnsley
Client ref: 794-ENV-EPC-23680
Report ref: RPS-DLW-C4N-J7S-711
Grid ref: 437605.14, 410500.57
Production date: 27 April 2026

Map name: County Series
Map date: 1929-1932
Scale: 1:10,560
Printed at: 1:10,560



Date: 1930 Surveyed: 1851 Revised: 1930	Date: 1930 Surveyed: 1850 Revised: 1930
Date: 1929 Surveyed: 1851 Revised: 1929	Date: 1932 Surveyed: 1850 Revised: 1930 Edition: 1932

Contact us with any questions at:
info@groundsure.com
01273 257 755

436500 437000 437500 438000 438500

411500

411500

411000

411000

410500

410500

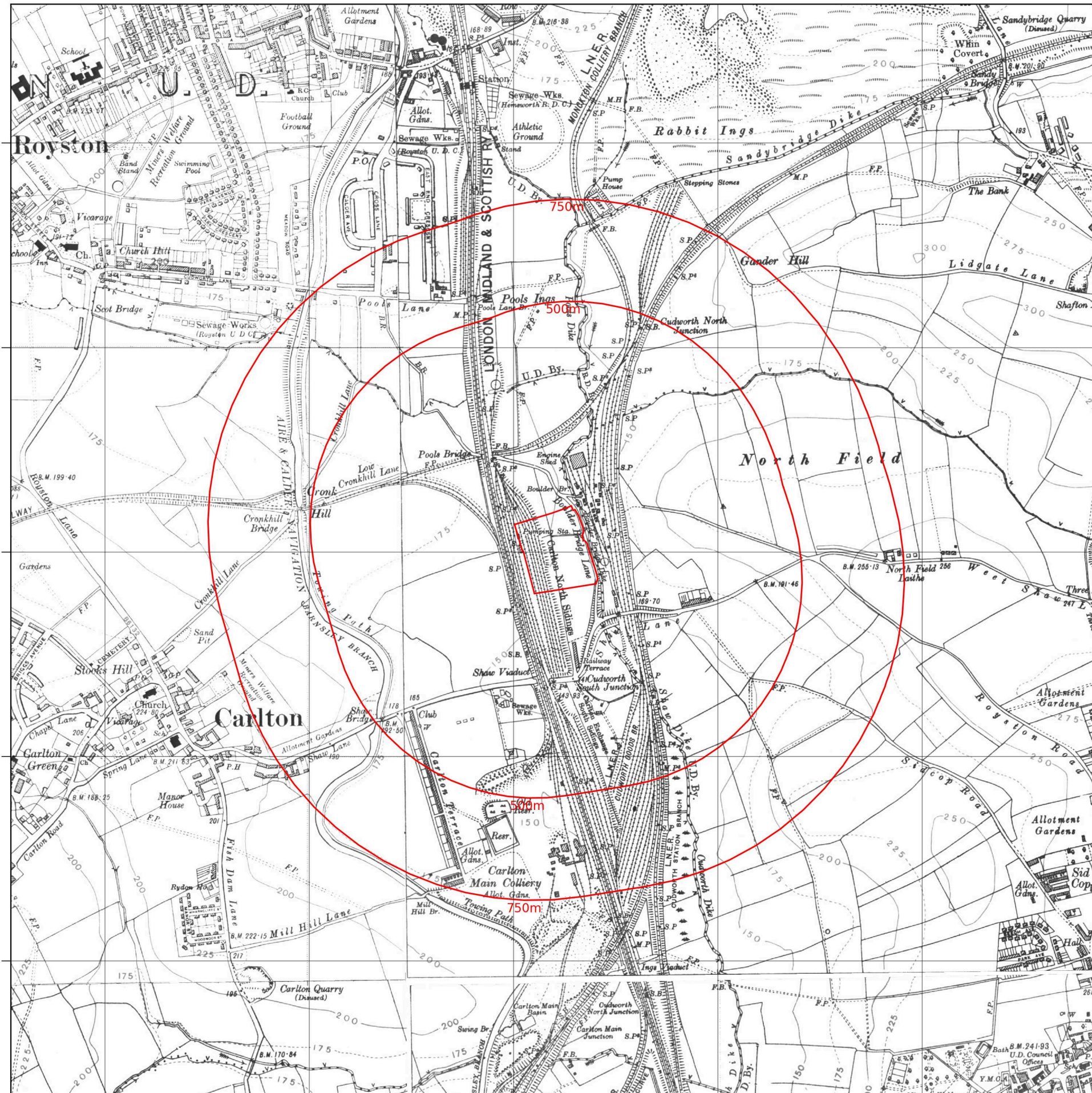
410000

410000

409500

409500

436500 437000 437500 438000 438500



0m 500m

In partnership with



Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	County Series
Map date:	1938
Scale:	1:10,560
Printed at:	1:10,560



Date: 1938 Surveyed: 1851 Revised: 1938 Edition: 1938	Date: 1938 Surveyed: 1850 Revised: 1938 Edition: 1938
Date: 1938 Surveyed: 1851 Revised: 1938 Edition: 1938	Date: 1938 Surveyed: 1850 Revised: 1938 Edition: 1938

Contact us with any questions at:
info@groundsure.com
01273 257 755

436500 437000 437500 438000 438500

411500
411000
410500
410000
409500



436500 437000 437500 438000 438500

0m 500m

In partnership with



Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	County Series
Map date:	1948
Scale:	1:10,560
Printed at:	1:10,560



Date: 1948 Surveyed: 1851 Revised: 1948	Date: 1948 Surveyed: 1850 Revised: 1948
Date: 1948 Surveyed: 1851 Revised: 1948	Date: 1948 Surveyed: 1850 Revised: 1948

Contact us with any questions at:
info@groundsurre.com
01273 257 755

436500 437000 437500 438000 438500

411500

411000

410500

410000

409500

411500

411000

410500

410000

409500



436500 437000 437500 438000 438500

0m 500m

In partnership with



Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	Provisional
Map date:	1951-1955
Scale:	1:10,560
Printed at:	1:10,560



Date: 1951
Surveyed: 1951
Revised: 1951

Date: 1955
Revised: 1955
Copyright: 1955

Contact us with any questions at:
info@groundsure.com
01273 257 755

436500 437000 437500 438000 438500

411500
411000
410500
410000
409500



436500 437000 437500 438000 438500

0m 500m

In partnership with



Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	Provisional
Map date:	1966
Scale:	1:10,560
Printed at:	1:10,560



Date: 1966
Surveyed: 1966
Revised: 1966

Date: 1966
Surveyed: 1966
Revised: 1966

Contact us with any questions at:
info@groundsure.com
01273 257 755

In partnership with



Site details: 794-ENV-EPC-23680 Ward Barnsley
Client ref: 794-ENV-EPC-23680
Report ref: RPS-DLW-C4N-J7S-711
Grid ref: 437605.14, 410500.57
Production date: 27 April 2026

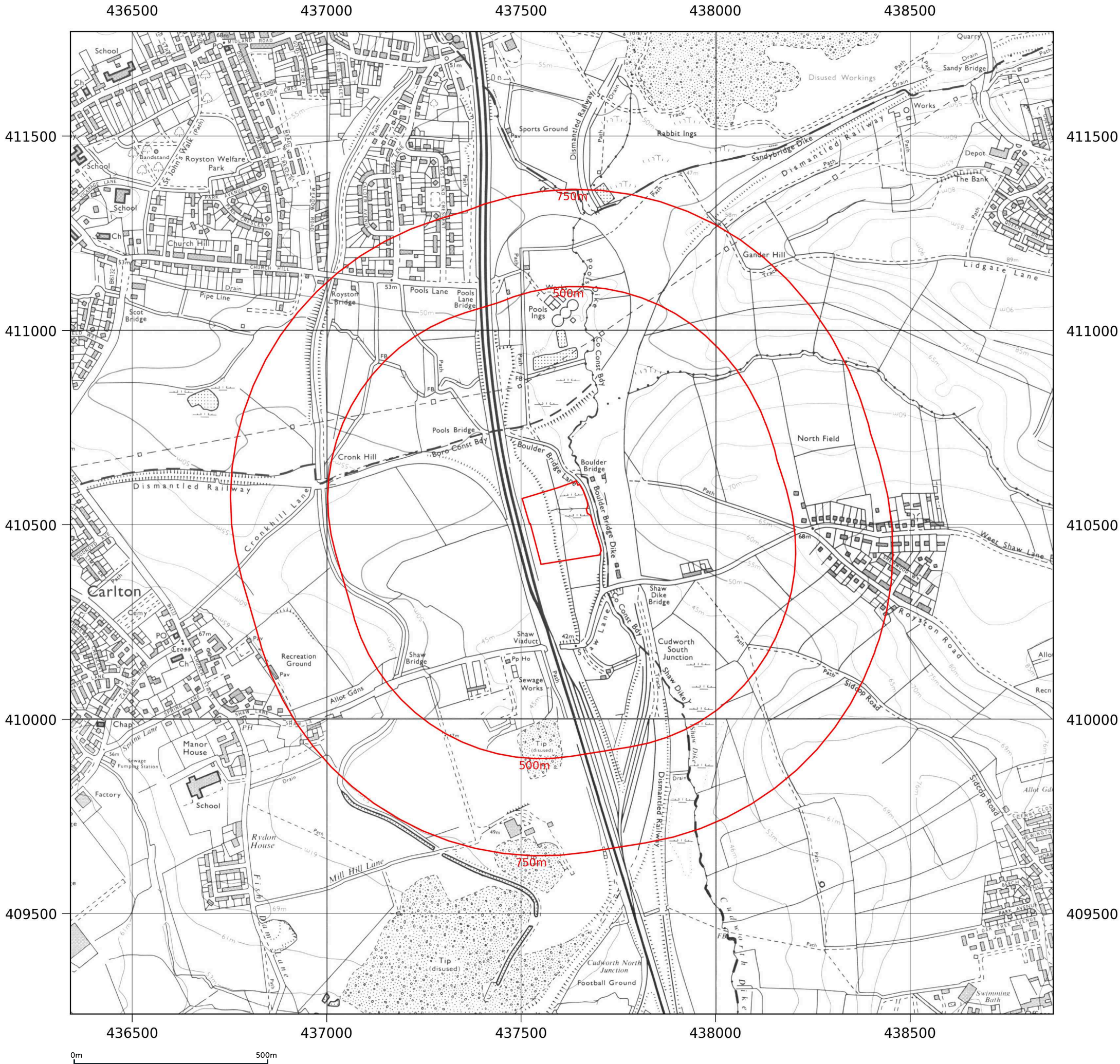
Map name: National Grid
Map date: 1974-1978
Scale: 1:10,000
Printed at: 1:10,000



Date: 1978
Surveyed: 1976
Revised: 1978

Date: 1974
Surveyed: 1974
Revised: 1974

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with



Site details:

Client ref:

Report ref:

Grid ref:

Production date:

794-ENV-EPC-23680 Ward Barnsley

794-ENV-EPC-23680

RPS-DLW-C4N-J7S-711

437605.14, 410500.57

27 April 2026

Map name:

Map date:

Scale:

Printed at:

National Grid

1982

1:10,000

1:10,000

Date: 1982

Surveyed: 1981

Revised: 1982



Contact us with any questions at:
info@groundsure.com
01273 257 755

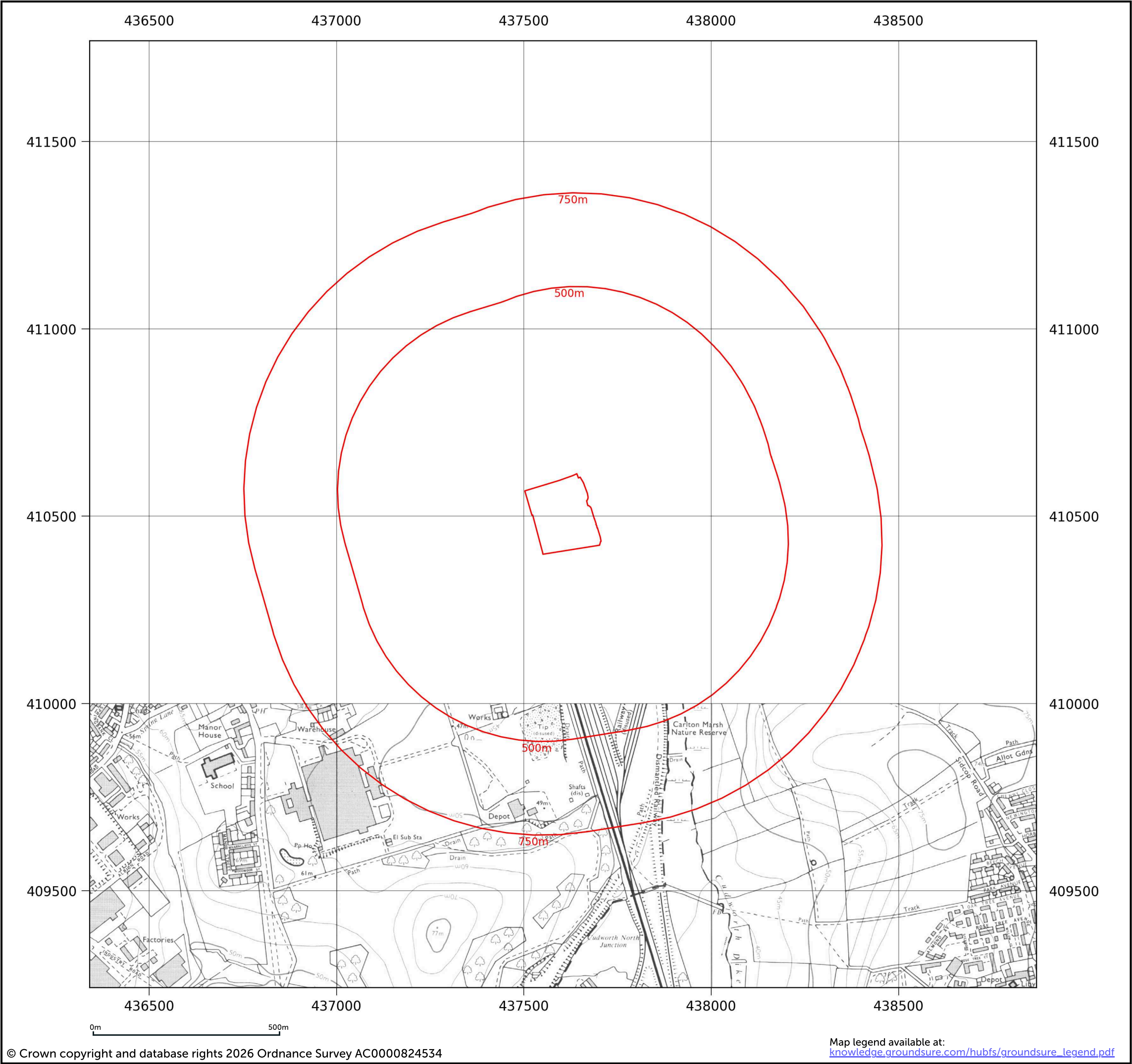


Groundsure

LOCATION INTELLIGENCE



Licensed Data



© Crown copyright and database rights 2026 Ordnance Survey AC0000824534

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

In partnership with



Site details: 794-ENV-EPC-23680 Ward Barnsley
Client ref: 794-ENV-EPC-23680
Report ref: RPS-DLW-C4N-J7S-711
Grid ref: 437605.14, 410500.57
Production date: 27 April 2026

Map name: National Grid
Map date: 1989-1992
Scale: 1:10,000
Printed at: 1:10,000



Date: 1989
Surveyed: 1984
Revised: 1989

Date: 1992
Surveyed: 1981
Revised: 1992

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with



Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

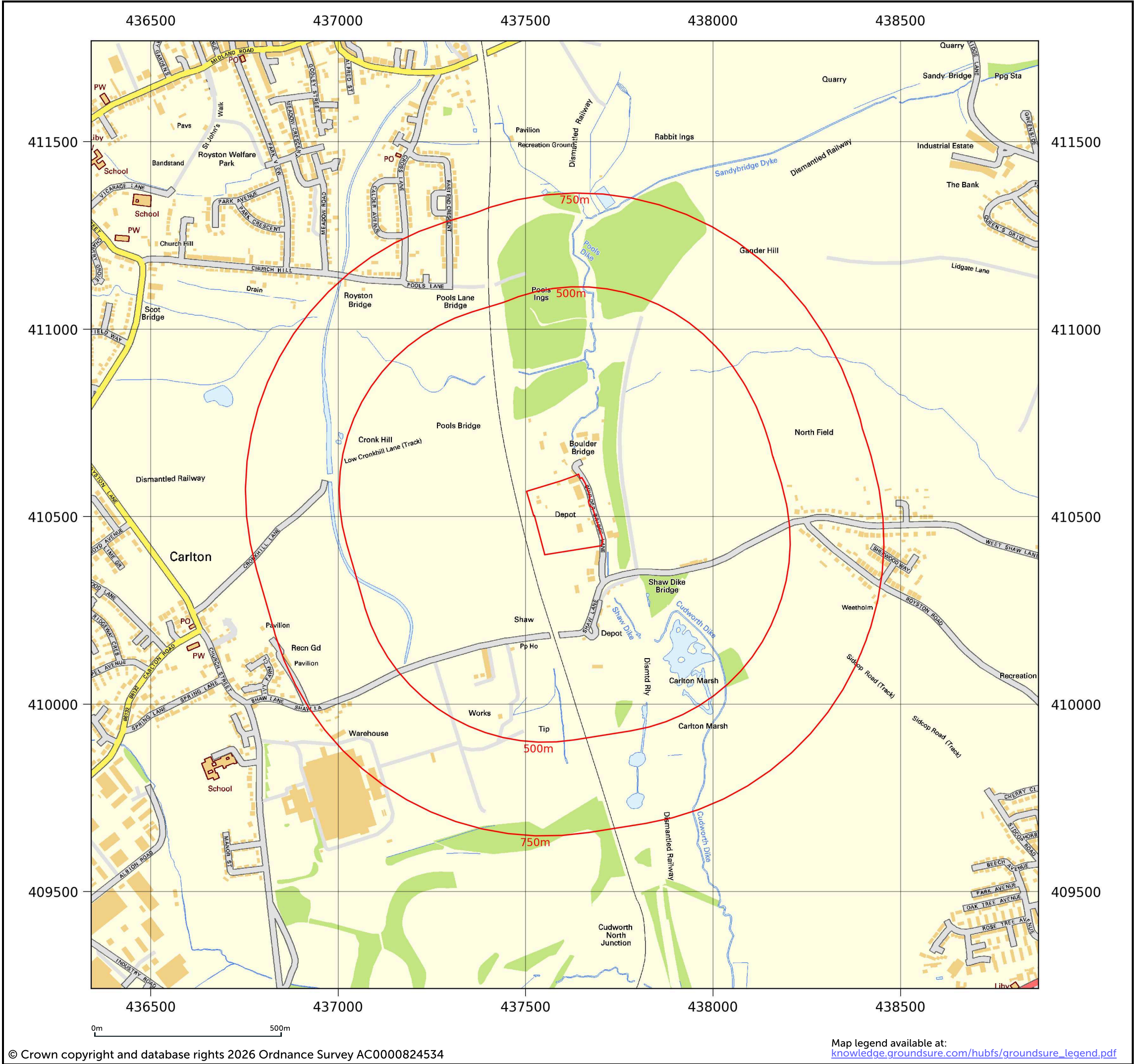
Map name:	National Grid
Map date:	2001
Scale:	1:10,000
Printed at:	1:10,000

Date: 2001

Date: 2001

North arrow pointing up, with N, S, E, W labels.

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with



Site details:

794-ENV-EPC-23680 Ward
Barnsley

Client ref:

794-ENV-EPC-23680

Report ref:

RPS-DLW-C4N-J7S-711

Grid ref:

437605.14, 410500.57

Production date:

27 April 2026

Map name:

National Grid

Map date:

2010

Scale:

1:10,000

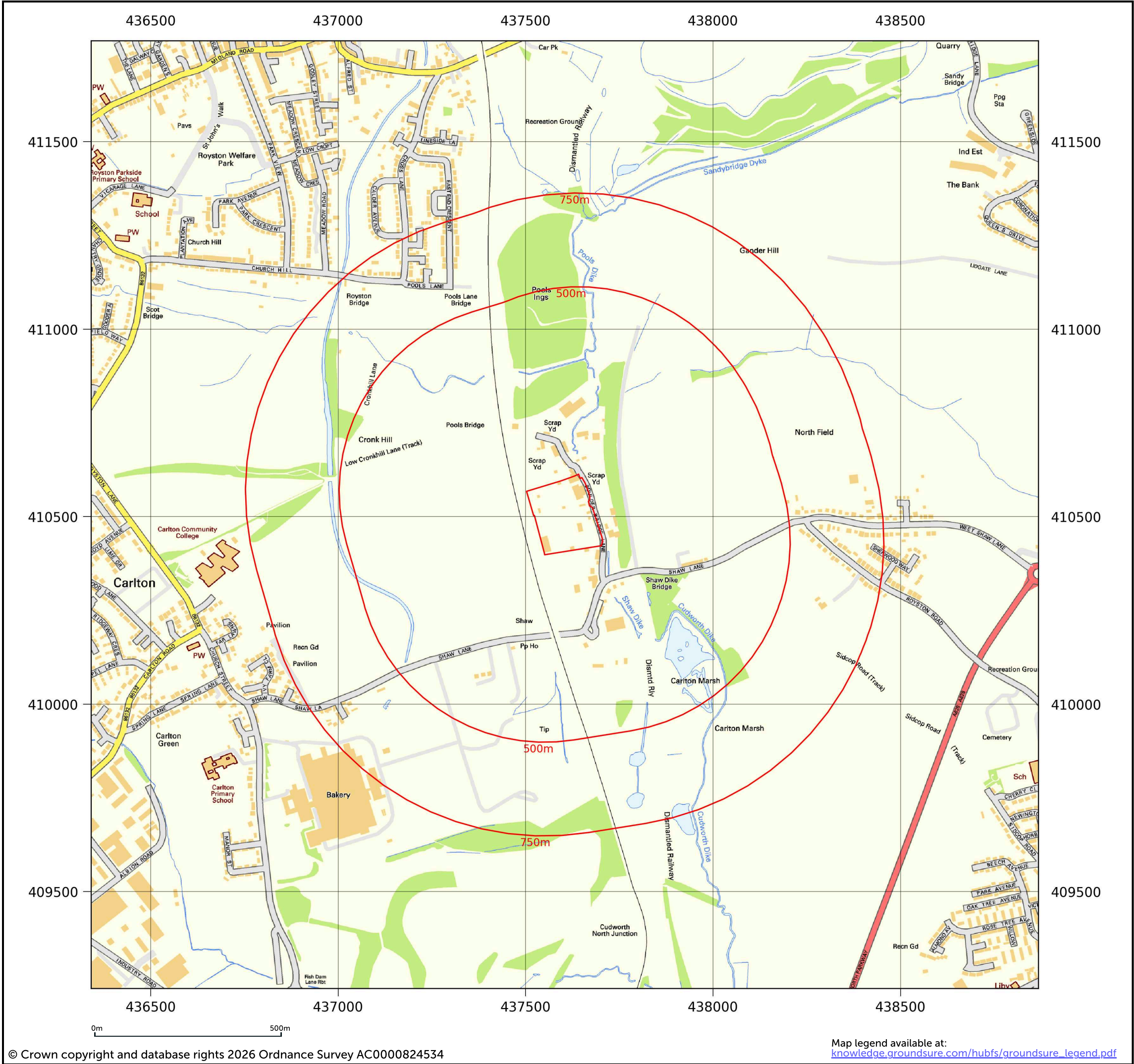
Printed at:

1:10,000

Date: 2010

Date: 2010

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with



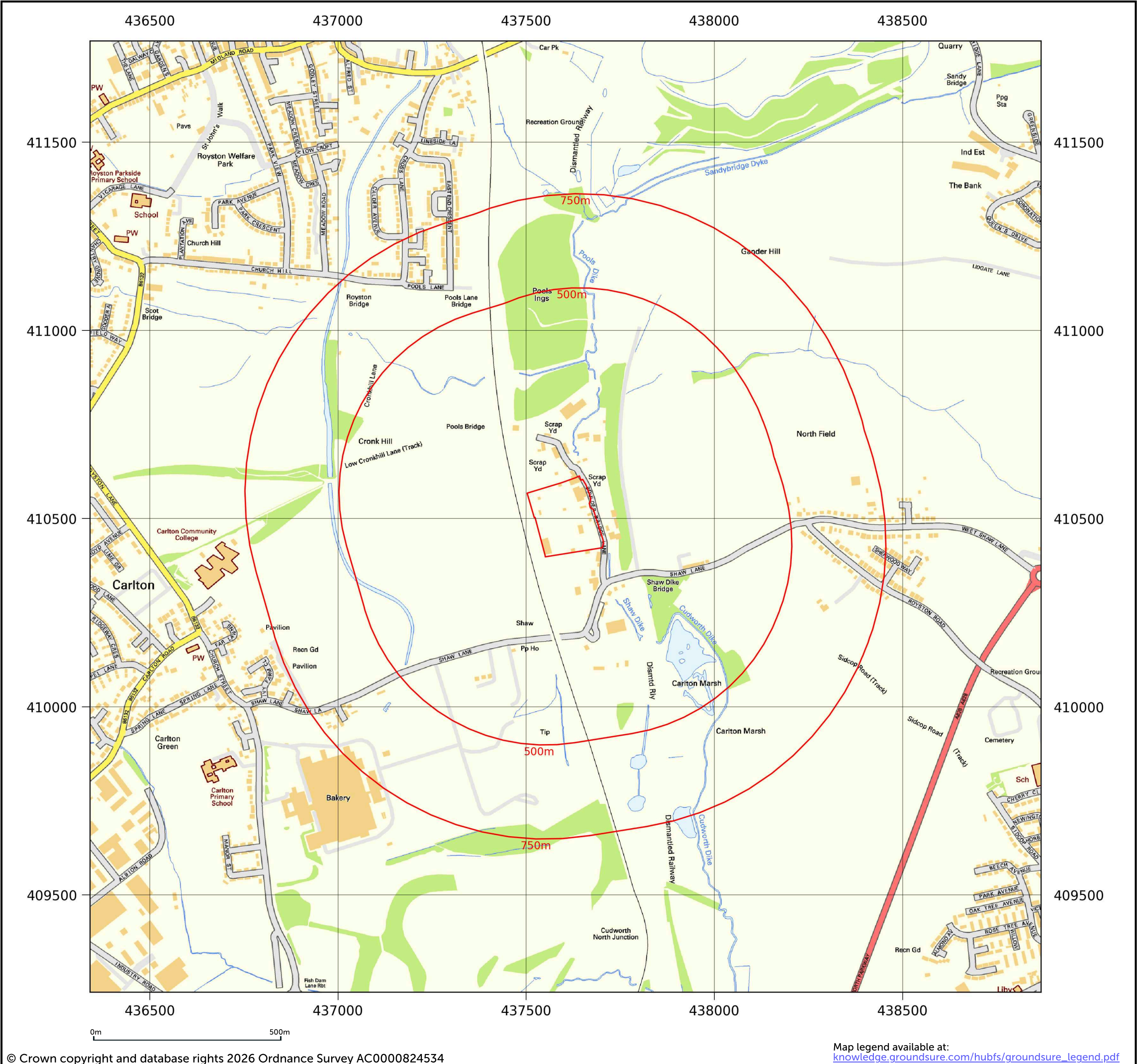
Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	National Grid
Map date:	2015
Scale:	1:10,000
Printed at:	1:10,000

Date: 2015

Date: 2015

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with



Site details:

794-ENV-EPC-23680 Ward
Barnsley

Client ref:

794-ENV-EPC-23680

Report ref:

RPS-DLW-C4N-J7S-711

Grid ref:

437605.14, 410500.57

Production date:

27 April 2026

Map name:

National Grid

Map date:

2025

Scale:

1:10,000

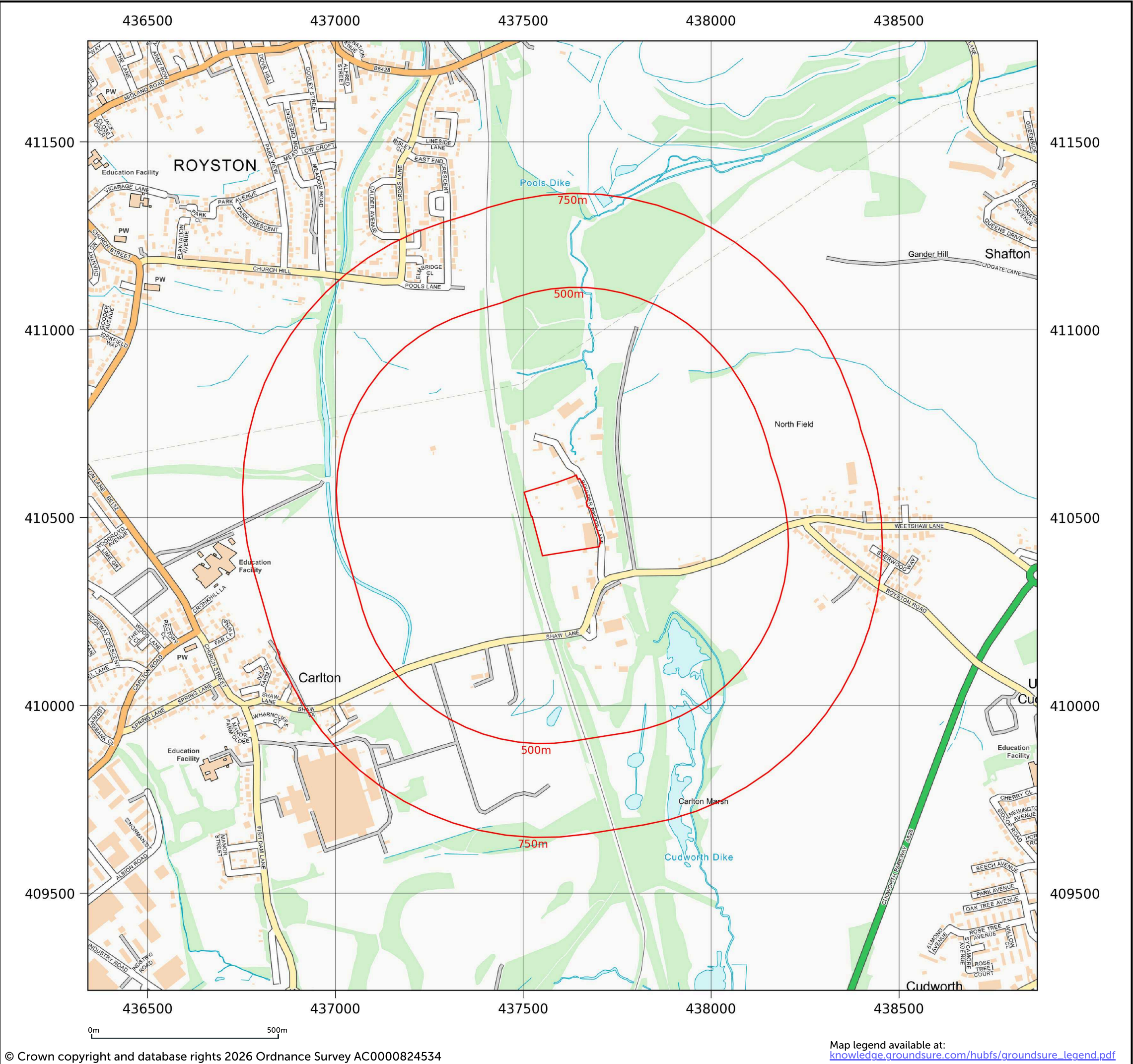
Printed at:

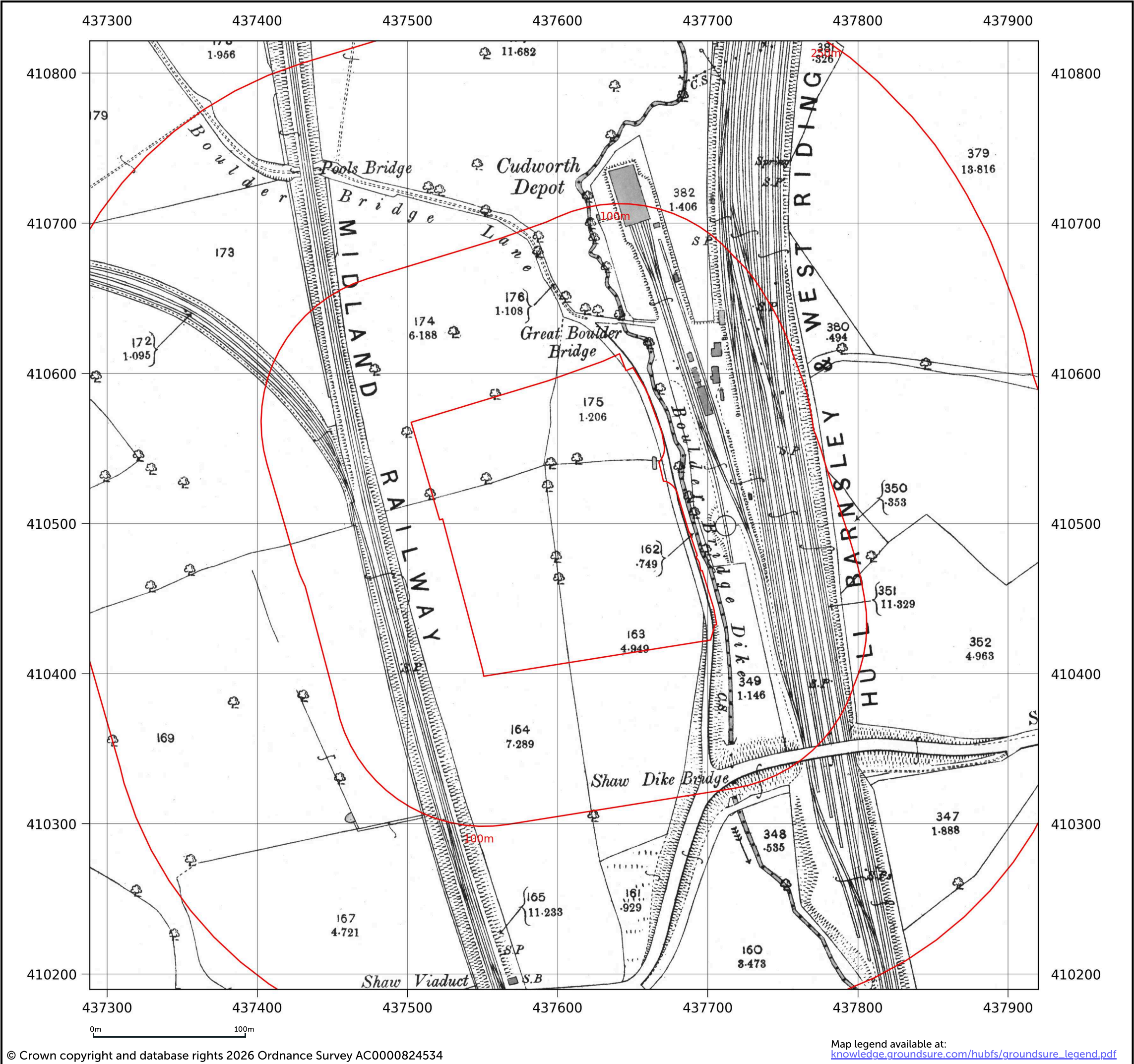
1:10,000

Date: 2025

Date: 2025

Contact us with any questions at:
info@groundsure.com
01273 257 755





In partnership with

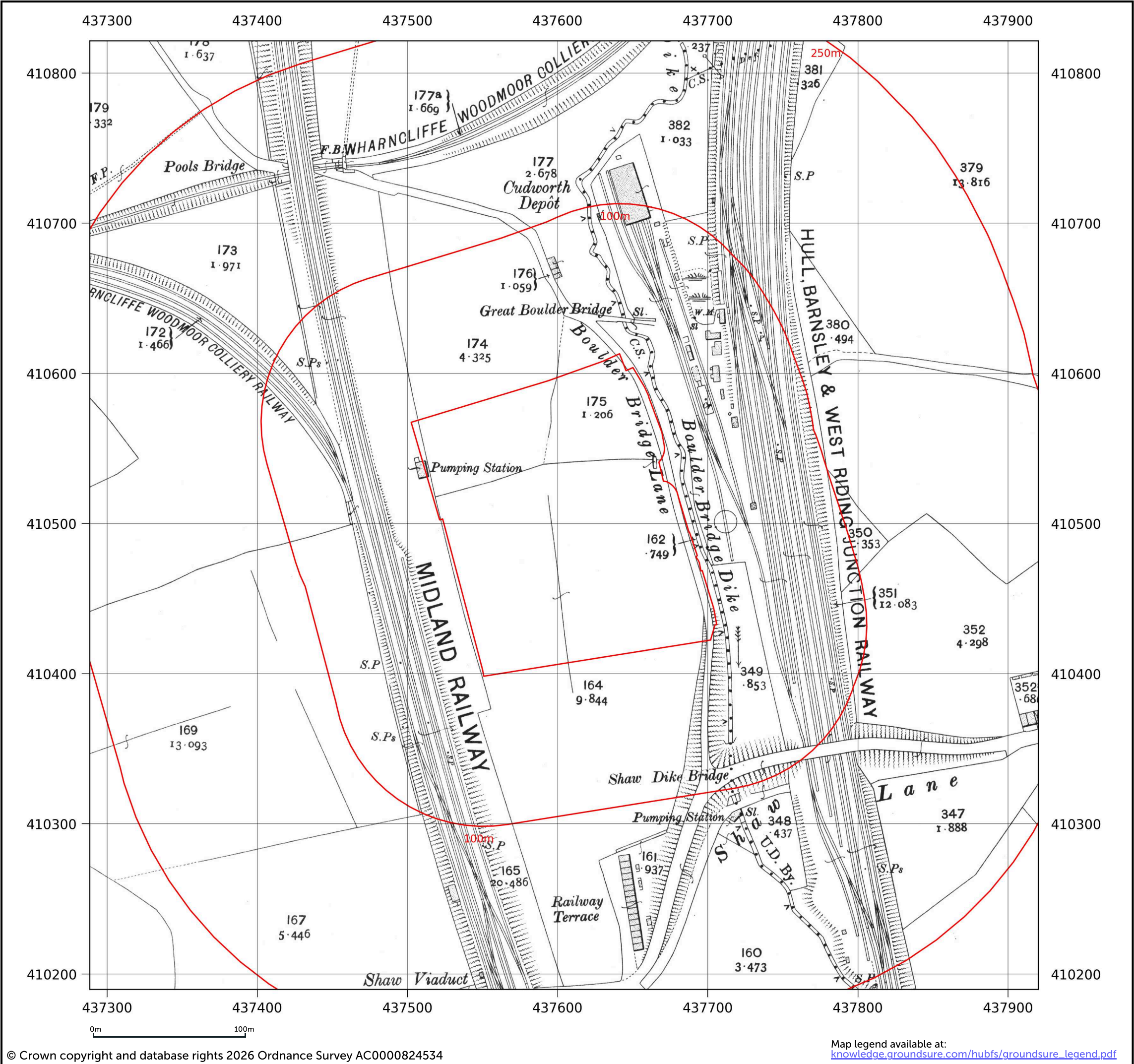


Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	County Series
Map date:	1893
Scale:	1:2,500
Printed at:	1:2,500

Date: 1893
Surveyed: 1893
Revised: 1893

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with

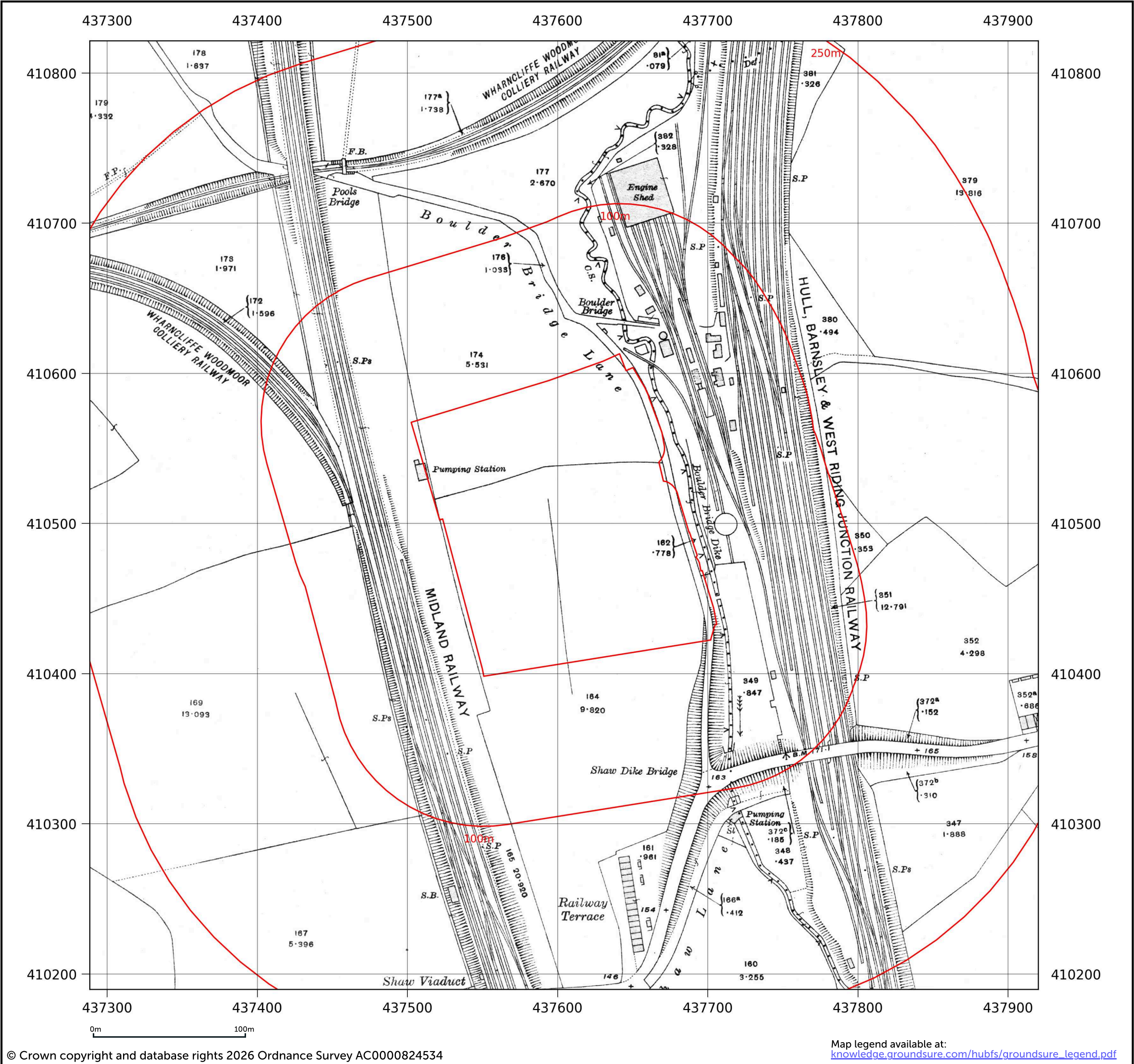


Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	County Series
Map date:	1906
Scale:	1:2,500
Printed at:	1:2,500

Date: 1906
Surveyed: 1906
Revised: 1906

Contact us with any questions at:
info@groundsure.com
01273 257 755

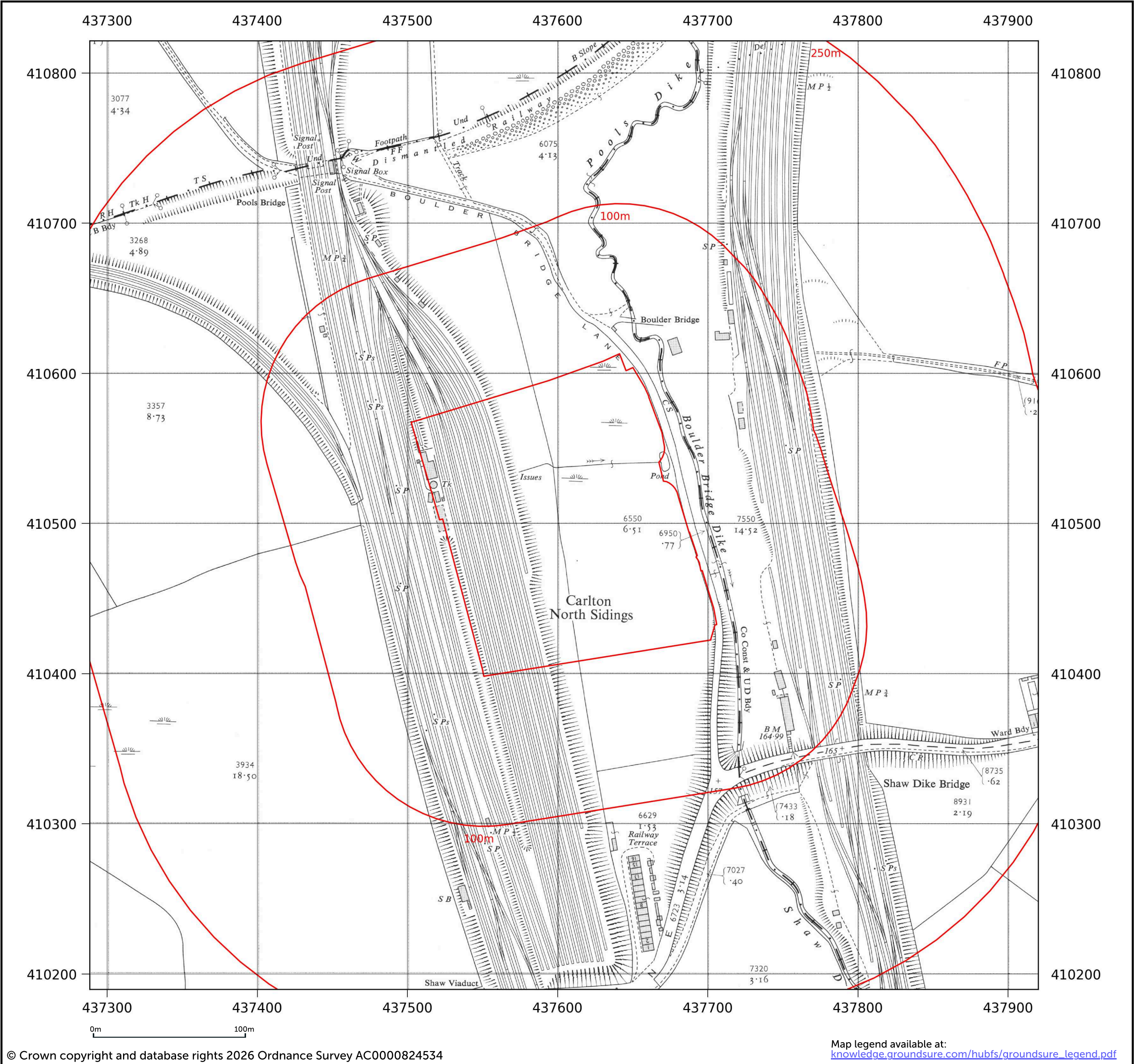


In partnership with



Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026
Map name:	County Series
Map date:	1913
Scale:	1:2,500
Printed at:	1:2,500
Date: 1913 Surveyed: 1913 Revised: 1913	

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with

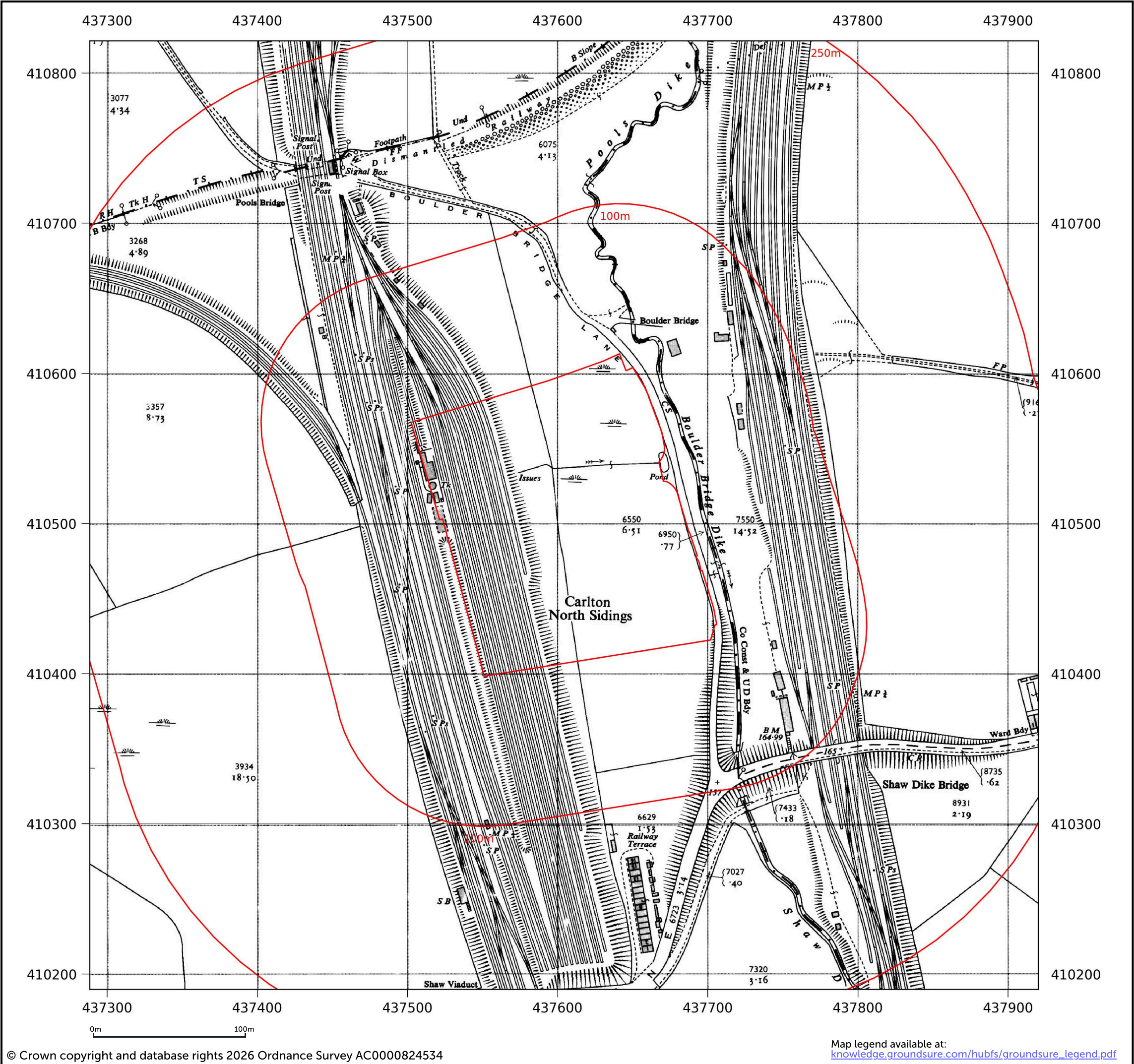


Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	National Grid
Map date:	1962
Scale:	1:2,500
Printed at:	1:2,500

Date: 1962
Surveyed: 1961
Revised: 1961
Edition: 1962
Copyright: 1962
Levelled: 1959

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with

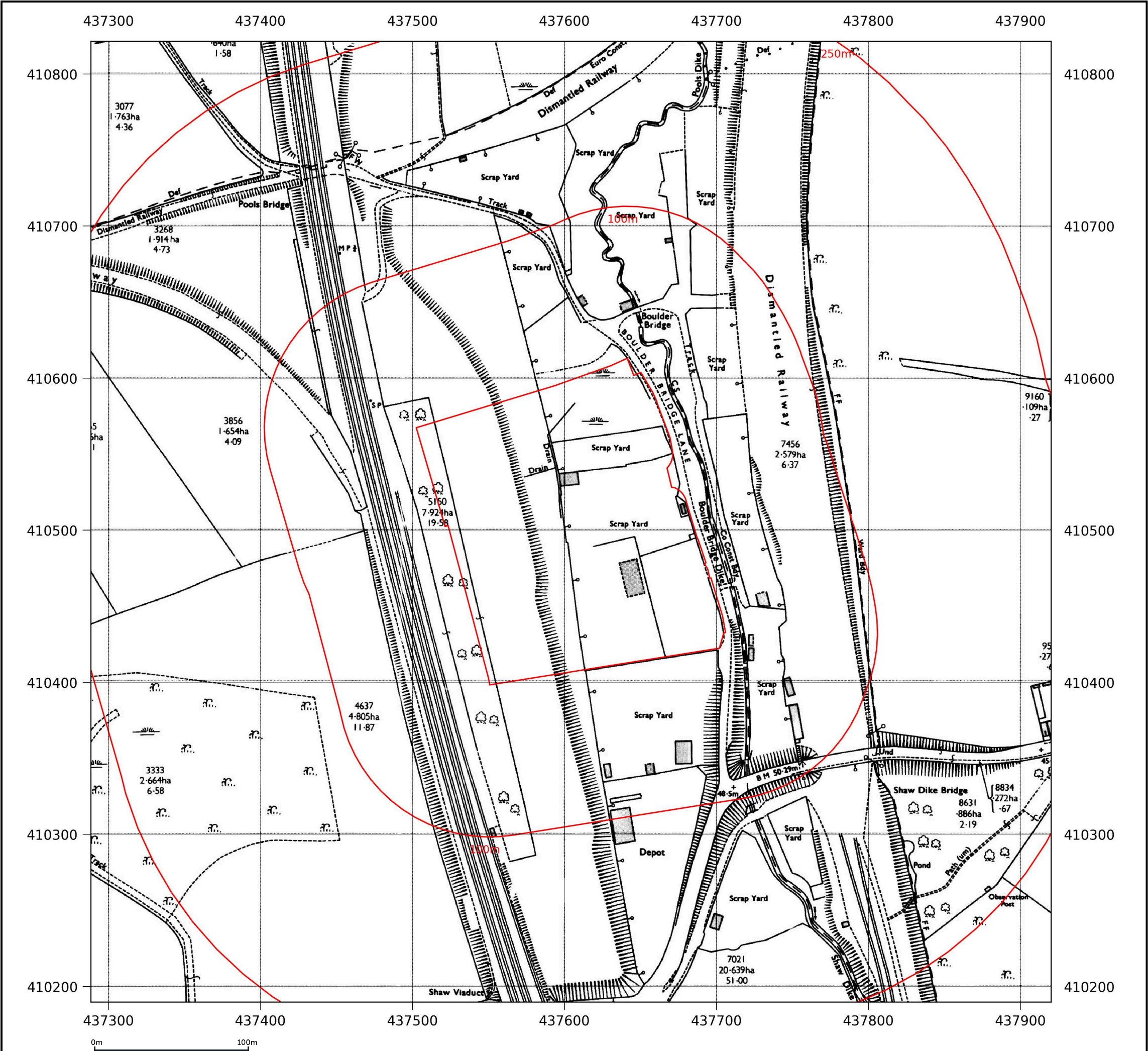


Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	National Grid
Map date:	1962
Scale:	1:2,500
Printed at:	1:2,500

Date: 1962

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with

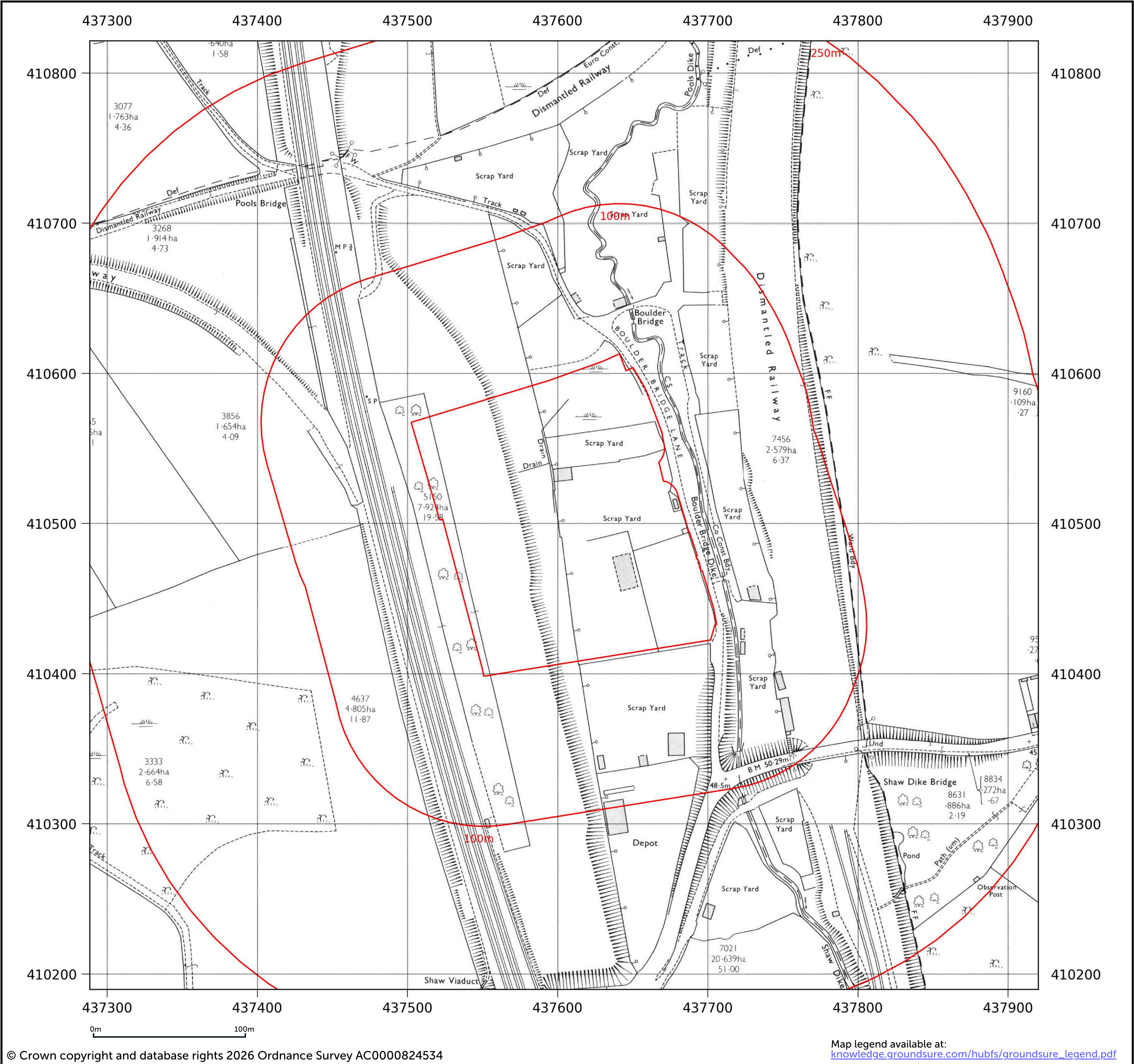


Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026
Map name:	National Grid
Map date:	1981
Scale:	1:2,500
Printed at:	1:2,500



Date: 1981

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with



Site details: 794-ENV-EPC-23680 Ward Barnsley

Client ref: 794-ENV-EPC-23680

Report ref: RPS-DLW-C4N-J7S-711

Grid ref: 437605.14, 410500.57

Production date: 27 April 2026

Map name: National Grid

Map date: 1981

Scale: 1:2,500

Printed at: 1:2,500

Date: 1981
Surveyed: 1979
Revised: 1979
Copyright: 1981
Levelled: 1964



In partnership with

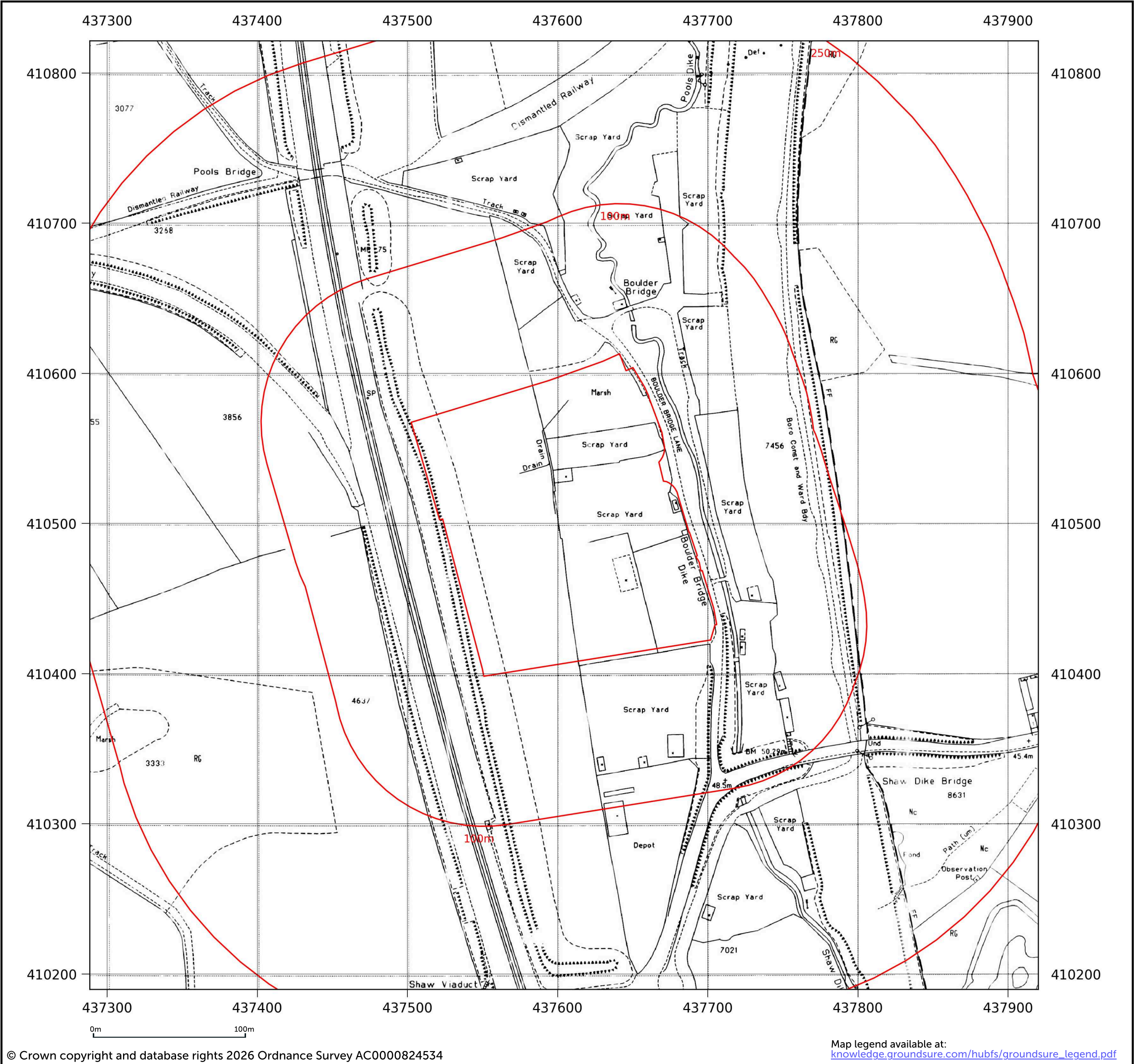


Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	National Grid
Map date:	1991
Scale:	1:2,500
Printed at:	1:2,500

Date: 1991
Surveyed: 1964
Revised: 1991
Copyright: 1991
Levelled: 1964

Contact us with any questions at:
info@groundsure.com
01273 257 755



In partnership with



Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	National Grid
Map date:	1993
Scale:	1:2,500
Printed at:	1:2,500

Date: 1993
Copyright: 1993

Contact us with any questions at:
info@groundsure.com
01273 257 755

In partnership with



Site details:	794-ENV-EPC-23680 Ward Barnsley
Client ref:	794-ENV-EPC-23680
Report ref:	RPS-DLW-C4N-J7S-711
Grid ref:	437605.14, 410500.57
Production date:	27 April 2026

Map name:	LandLine
Map date:	2003
Scale:	1:1,250
Printed at:	1:1,250



Date: 2003

Contact us with any questions at:

info@groundsure.com

01273 257 755

437500

437600

437700

410600

410600

410500

410500

410400

410400

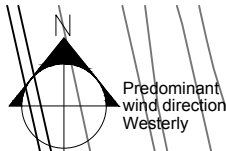
437500

437600

437700

0m 50m

Appendix C: Site Plans



WARD

Legend

- Permit Boundary

Surface Water Drainage

Foul Water Drainage

Fire Extinguisher

Site Layout

1. Entrance / Exit (Gated)

2. Car Parking

3. Weighbridge

4. Offices

5. Granulation Plant (Main)

6. Mobile Shredder

7. Non-ferrous building

8. Electrostatic Plant (not used)

9. Shear

10. Air Separation Plant

11. Maintenance Building

12. Electrical Substations

13. Welfare Facilities

14. Waste Storage

15. Cable Storage

16. Non-ferrous Storage

17. Ferrous Storage

18. Cable Pre-treatment

19. Cable Granulation Residue Plastic

20. Cable Granulation Residue Fine

21. Size Reduced Ferrous

22. Shearing Scrap Non-ferrous

23. Non-ferrous storage

24. Diesel Tank

25. Oil Storage

26. Quarantine / Orphaned Gas & Gas Cylinders

27. COSHH Store

28. Spill Kits

29. Water Shut Off Point

30. Concrete Panel Boundary Wall

31. Breeze block Boundary Wall

32. Battery Storage

33. Turnings Storage (bunded)

34. Non-ferrous / Cable Stripping Shed

35. Air system

36. NettingAbove Boundary Wall

37. Water Sprinkler System

38. End of Life Fridges

39. Emergency Assembly Point

40. Electrical Shut Off Point

41. Shear (decommissioned)

42. 30,000water tank

43. Adblue

44. Oxygen Cylinders

45. Waste Oil Tank

46. Asbestos Container

47. Propane Storage

48. Grab Bag

49. Interceptor-Where Bungwill be Deployed.

50. Hot Load Quarantine / Mobile Plant ParkingWhen Not In Use

51. ELV (non-depolluted)

52. SDA Storage

W1. EmissionPoint to Water

A1. EmissionPoint to Air

A2. EmissionPoint to Air

Note: Fire hydrants located 250mE by residential and 220mS by industrial estate on Shaw Lane.

Rev	Description	By	Date
1	First version	DCW	04/06/26

Client Donald Ward Ltd

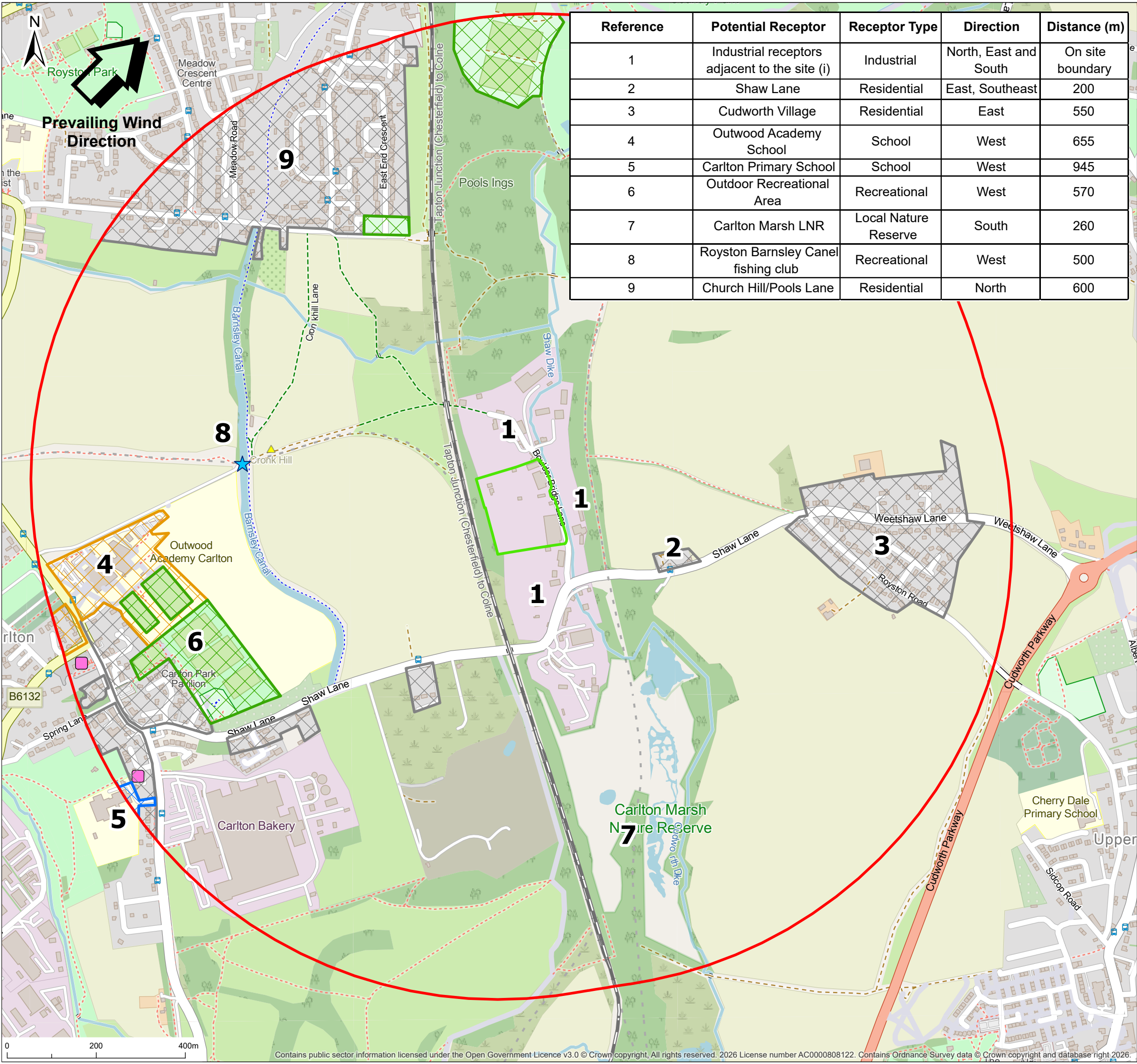
Project Barnsley

Title Site Layout Plan

Status Drawn By PM/Checked by
FINAL DCW

Job Ref Scale @ A3 Date Created
1:1000 June 2026

RPS Drawing / Figure Number Rev
DCW-001 -



© 2026 Tetra Tech
101 Park Drive, Milton Park, Abingdon, Oxfordshire, OX14 4RY
T: +44(0)1235 821 888 E: rps.ox@tetratech.com W: tetratech.com

Notes

1. This drawing has been prepared in accordance with the scope of Tetra Tech's appointment with its client and is subject to the terms and conditions of that appointment. Tetra Tech accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.

2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.

LEGEND

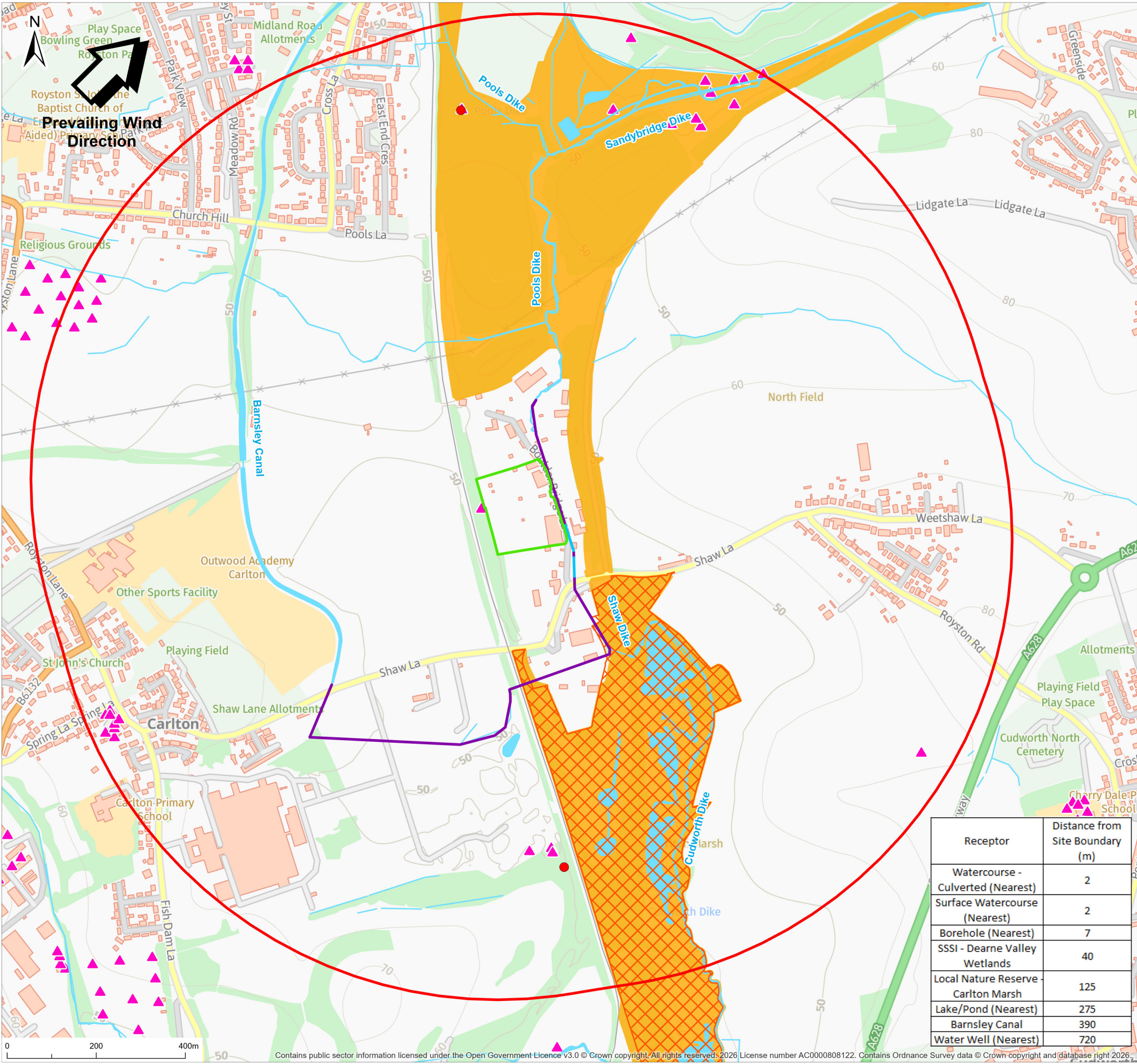
- Permit Boundary
- 1km Boundary
- Human Receptors**
 - Carlton Primary School
 - Outdoor Recreation Facilities
 - Outwood Academy Carlton
 - Residential Area
 - Listed Building
 - Railway
 - Rosyton Barnsley Canal Fishing Club

Data Sources: English Heritage, Open StreetMap & Ordnance Survey

TETRA TECH

Client	Donald Ward Limited		
Project	Barnsley		
Project No.	794-ENV-EPC-23680		
Title	Human Sensitive Receptors		
Drawing No. 23680-0002-02	Figure No. 01	Revision 02	Status FINAL
Date JUN 2026	Drawn By JM	Checked By AK	Revision By PE
Scale @ A3 1:8,500		Datum OSGB 1936	

P:\eur-mpfs-02.eur.rpsgroup.com\Projects_Environmental Compliance Ground Engineering\794-ENV-EPC-23680\TechDrawings\23680-0001-01.aprx - A3 - Sensitive Receptors - England



© 2026 Tetra Tech
101 Park Drive, Milton Park, Abingdon, Oxfordshire, OX14 4RY
T: +44(0)1235 821 888 E: rps.ox@tetratech.com W: tetratech.com

Notes

1. This drawing has been prepared in accordance with the scope of Tetra Tech's appointment with its client and is subject to the terms and conditions of that appointment. Tetra Tech accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.

2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.



LEGEND

- Permit Boundary
- 1km Boundary
- Ecological Receptors
 - Site of Special Scientific Interest
 - Local Nature Reserve
 - Borehole
 - Water Wells
- Watercourses - Culverted
- Watercourses - Culverted
- Surface Water
- Ponds

Entire 1km boundary is covered by a Nitrate Vulnerable Zone
No Source Protection Zones within 1km boundary.
No Abstraction Licences within 1km boundary
Data Sources: Ordnance Survey, Natural England & BGS.



Client	Donald Ward Limited		
Project	Barnsley		
Project No.	794-ENV-EPC-23680		
Title	Ecological Sensitive Receptors		
Drawing No. 23680-0001-01	Figure No. 01	Revision 01	Status FINAL
Date APR 2026	Drawn By JM	Checked By AK	Revision By XX
Scale @ A3 1:8,500		Datum OSGB 1936	