



Abbeydale

Building Environment Consultants

PHASE 1 DESK STUDY REPORT

Stairfoot Roundabout, Barnsley, South Yorkshire

Report: 151134-DS

Date: July 2023

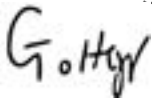
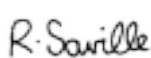
Client:

Barnsley Metropolitan Borough Council
Barnsley
South Yorkshire
S70 9FA

PHASE 1 DESK STUDY REPORT

Stairfoot Roundabout, Barnsley, South Yorkshire

DOCUMENT VERIFICATION SHEET

	Prepared By:	Checked By:
Name:	Glyn Hogg	Richard Saville
Qualifications:	MSci FGS	BSc CGeol FGS
Position:	Geotechnical Engineer	Director
Signature:		

SUMMARY

Grid Ref: 437288(E), 405500(N) **Elevation:** 51 mAOD **Site Area:** 3.9 ha

Development proposals: Extension and reconfiguration of the existing roundabout.

Past site development: Previously occupied by housing, railway lines and industrial sites.

Made Ground: Anticipated to shallow depth due to past development.

Anticipated Ground Conditions **Natural Soils:** Residual soils anticipated above bedrock. No superficial deposits anticipated.

Bedrock: Undifferentiated Middle Coal Measures

Shallow mining: Low risk from unrecorded shallow mine workings.

Environmental Assessment: Intrusive ground investigation required to refine risks.

Ground gases: No significant potential sources identified.

Foundations: Intrusive investigation recommended to confirm ground conditions and suitable founding stratum.

Geotechnical Considerations: Ground investigation recommend as part of design process to confirm ground conditions present.

Further Investigation: Scope of ground investigation to be confirmed following appointment of design partner.

PHASE 1 DESK STUDY REPORT

Stairfoot Roundabout, Barnsley, South Yorkshire

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PHASE 1 DESK STUDY REPORT

1. INTRODUCTION

On the instruction of Barnsley Metropolitan Borough Council (BMBC), a Phase 1 Desk Study was carried out by Abbeydale Building Environment Consultants Ltd (Abbeydale BEC) on an area around around Stairfoot Roundabout in Barnsley, South Yorkshire.

The site is situated on the south-east side of Barnsley, centred on National Grid Reference 437288, 405500, with a site area of around 3.93 ha. See Figure 1.

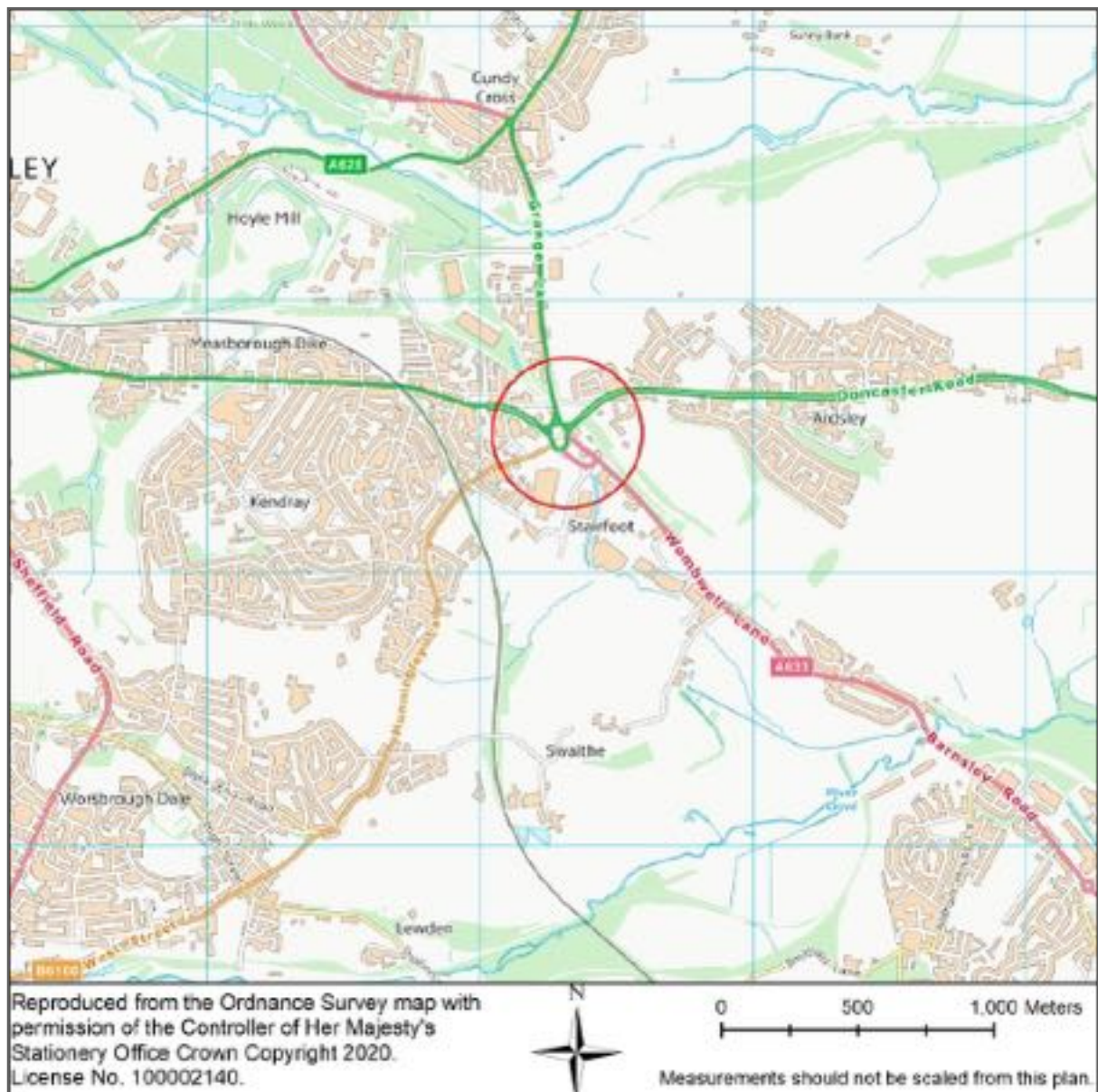


FIGURE 1 - LOCATION PLAN

This report was produced for our client, Barnsley Metropolitan Borough Council, and their advisors and financiers; it should not be relied upon or transferred to any other parties without the express written authorisation of Abbeydale BEC and our client. If any other unauthorised third party comes into possession of this report they rely on it at their own risk and the authors owe them no duty of care or skill.

The comments and recommendations presented in this Phase 1 Desk Study report are based on the findings of a review of available information. There may be other conditions prevailing on the site which have not been recorded by the available information and therefore have not been taken into account by this report. Responsibility cannot be accepted for unrecorded information.

When writing this report the proposed development was for the modification of the existing roundabout at, or close to, existing ground levels. If there are changes to these proposals then some modification to the comments and recommendations given may be required. The proposed site layout is shown on the site plan included as Appendix A.

2. OBJECTIVES

This report has been undertaken to evaluate current or former uses of the site and surrounding areas to determine the presence of any potential contaminative sources.

As part of this evaluation the potential impact upon the identified receptors has been made, thus determining if there are any potential significant pollution linkages present. If a potential significant pollutant linkage is identified, the report gives recommendations for further investigations and / or remediation options to mitigate any potential risks to future receptors.

The report also evaluates the current site proposals (where known) with regard to geotechnical and engineering considerations to determine what impact the anticipated ground conditions will have on the integrity of any structures or buildings included in the development proposals. As part of this evaluation the report gives highway and drainage recommendations.

3. THE SITE

As part of the Phase 1 Desk Study assessment a site walkover was undertaken on 1 June 2023, to determine the presence of any visually identifiable features that may pose a potential risk to future receptors or require further investigation to refine the potential risks or constraints.

The site is currently occupied by Stairfoot Roundabout which is a junction between the A635 to the east and west, the A633 to the north and south-east, and the B6100 to the south-west. Bleachcroft Way also joins the roundabout on the southern side, and forms an additional loop with the A633 to the south-east of the main roundabout. The site boundary extends northwards along the A633 by ~200m, and extends south-eastwards ~650m along the A633. The current site layout is shown on Figure 2.

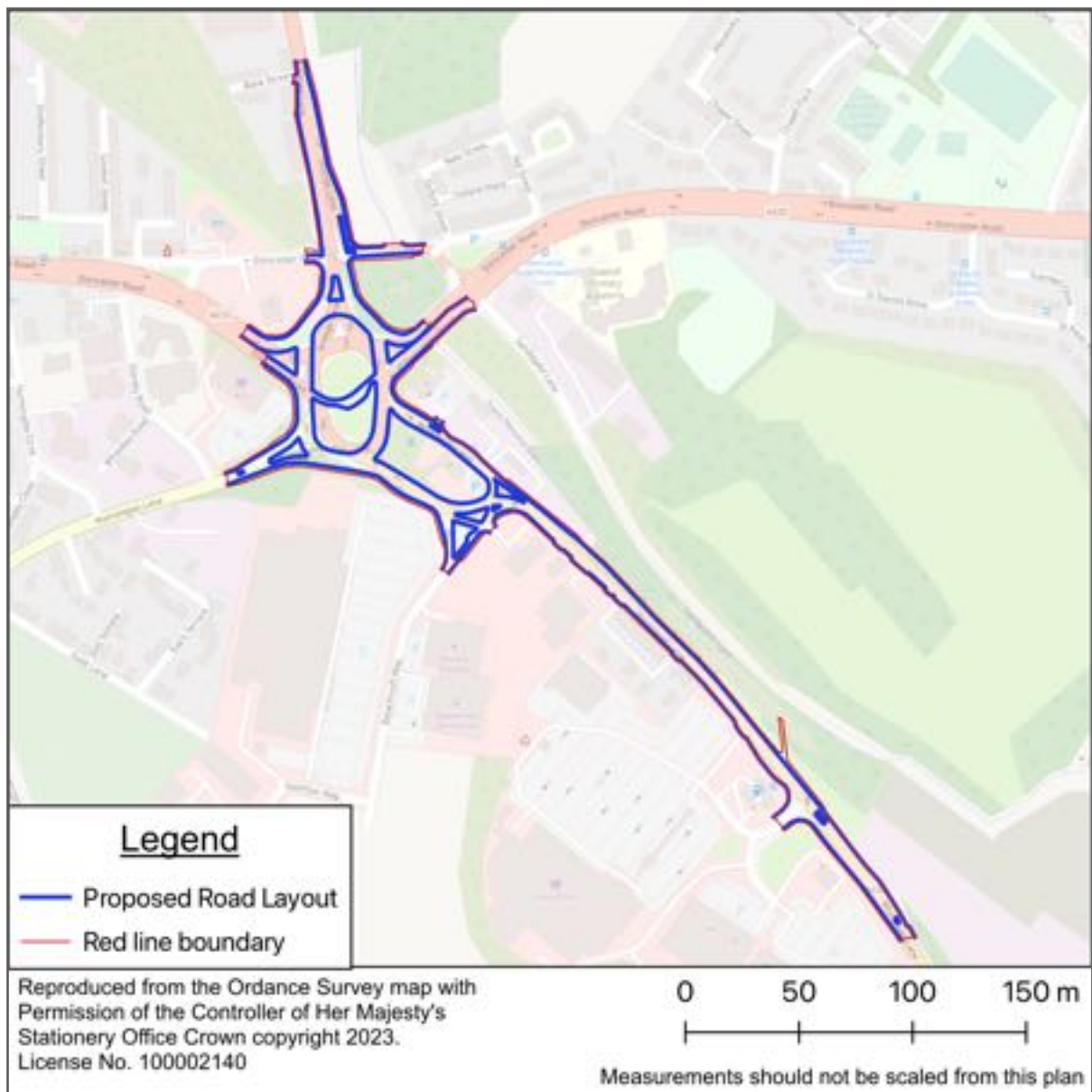


FIGURE 2 - SITE PLAN

The centre of the roundabout is occupied by soft landscaping with trees, bisected by a bus lane through the centre of the roundabout. On the outside of the roundabout are a mixture of commercial premises, including a supermarket and restaurants.

Further away from the roundabout, the commercial premises give way to residential properties. Along the northern arm of the A633 are residential and commercial premises on the western side, with soft landscaping on the eastern side. Along the southeastern arm of the A633, commercial premises including a large supermarket are present along the southern side of the road, with trees and grass on the northern side of the road.

Ground levels across the site generally dip down towards the north along the A633 to a level of ~40m AOD. The roundabout itself sits at a level between 48m AOD to the north and 51m AOD to the south.

4. HISTORY

The historic Ordnance Survey (OS) maps of the site and surrounding area have been obtained from GroundSure, dated 17 May 2023; included in Appendix B. All measurements stated are approximate distances from the site boundaries to the recorded features.

4.1. The Site

The earliest map of 1850-1854 shows that there are several buildings located on the site including a bleach works, a dye works and a tan yard. A canal is also shown passing through the southern portion of the site. A railway track cuts through the northern portion of the site. In 1904 another railway line atop a viaduct is shown running roughly south-west to north-east through the centre of the site. The position of the present day roundabout is occupied by Sykes Street and residential housing.

The map of 1974 shows that the canal and viaduct have been removed, with the canal is also labelled as disused, with several sections of the watercourse having been infilled including in the south of the site to allow construction of Stairfoot roundabout. The remaining railway lines crossings the northern portion of the site are no longer shown on the map of 1992. By 2010, Bleachcroft Way has been extended to join the southern edge of the roundabout.

No discernible significant change is then noted on subsequent OS maps.

4.2. Surrounding Area

The surrounding area largely comprised open fields on the earliest map of 1850-1854, with Bindstone quarry 200m north-east of the site and a brick yard immediately south of the site in the south-eastern portion of the site, along Wombwell Road. New Oaks Colliery is shown immediately north of the south-eastern portion of the site and Hope Glass Works is labelled ~400m north-west of the site by 1894.

Two sewage farms are depicted 500m north of the site by 1904 and Manor Flint Glass Works is recorded immediately south-west of the central portion of the site, and Stairfoot Brick Works is shown 100m south-east of the south-eastern portion of the site.

From the map of 1929 New Oaks Colliery is now labelled as Oaks Chemical Plant. Vast clay pits are shown 100m north-east of the south-eastern portion of the site. By the map of 1966 the majority of the previously mentioned industrial sites are no longer shown, with most of the area in the vicinity of site occupied by residential housing. Unspecified Works buildings are labelled around the south-eastern portion of the site.

The map of 1992 shows the addition of commercial premises along the southern side of the site, including warehouses and a supermarket. The area surrounding

the site continues to become more residential/commercial and less industrial up to the most recent map dated 2023.

5. GEOLOGY

The geological survey maps of the area, 1:10,000 scale geological sheet SE30NE and 1:50,000 scale BGS sheet 87 (Barnsley) and Yorkshire County Series sheets 274SE and 275SW have been examined, along with the geological memoir of the area. The site is shown to be underlain by undifferentiated Middle Coal Measures Formation (mudstone, siltstone and sandstone), anticipated to lie stratigraphically above the Oaks Rock sandstone formation, and below the Mansfield Marine Band which is conjectured to outcrop to the north-east of the site. Strata are anticipated to be dipping gently to the east.

The nearest geological fault is approximately 120m to the south-west of the site, trending roughly north-west to south-east and downthrowing strata towards the north-east.

Although no superficial deposits are indicated beneath the site, alluvium is shown adjacent to the southern side of the south-eastern A633.

Geological maps do not indicate the site to be underlain by any recorded artificial made ground deposits, however, made ground would be anticipated across the site associated with past buildings recorded to have occupied the site from historical OS maps, to superficial depths. The infilled channel of the former Barnsley canal is also anticipated in the central part of the site, which will contain made ground to unknown depths.

6. HYDROGEOLOGY AND HYDROLOGY

Information on the hydrological and hydrogeological setting of the site has been obtained as part of a Groundsure Enviro Insight report obtained for the site, dated 17 May 2023; included as Appendix D.

6.1. Hydrogeology

The bedrock is classified as a Secondary A aquifer; permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming to as minor aquifers.

Soils under the site are classified as having low leaching potential.

No portable drinking water abstraction or groundwater abstraction licenses have been highlighted within 250m of the site and the site is not recorded to be within a groundwater source protection zone (SPZ).

6.2. Hydrology

The closest watercourse is Dob Sike, 107m south-east of the site. An additional watercourse is shown in the Enviro Insight to flow through the centre of the roundabout in a south-east to north-west direction, however this watercourse was not observed during the walk over and may possibly pass beneath the site in a culvert.

No surface water abstraction has been identified within 250m of the site by the Groundsure report.

6.3. Flood Risk

The Enviro Insight includes information from the Environment Agency regarding the potential for flooding across the area. The site is not shown to lie within an area deemed to be at risk from flooding from rivers and seas.

No areas designated as Flood Zone 2 or Flood Zone 3 are recorded within 50m of the site and the site is not recorded to have been affected by a historical flood event. The Groundsure report has not identified any flood storage areas within 250m of the site. The resultant risk of flooding from rivers or seas is deemed to be **very low**.

The risks from both surface water flooding and groundwater flooding at the site are classified as **negligible** in the appended Groundsure report.

7. MINING RISK ASSESSMENT & QUARRYING

The presence of rock and mineral seams, including coal, which may have been mined or quarried in the area has been determined by the published geological maps and memoirs of the area, and the appended Coal Authority Consultants report included in Appendix C.

No shallow depth named coal seams are anticipated in the underlying geological sequence according to the stratigraphic column on the geological maps of the area and the site is not shown to lie within a High Risk Development Area as defined by The Coal Authority. The appended Consultants Mining Report does not indicate the site to be within an area of probable unrecorded shallow mining workings.

The resultant risk of unrecorded shallow mine working affecting the site is deemed to be **very low** based on the available geological information and mining records.

Deep mine workings are recorded in fifteen seams of coal under the site, ranging in depth between 129m to 400m from the appended Coal Authority report; the Melton field is the shallowest coal seam present under the site at the depth of 129m.

Two recorded mine entries have been identified within 100m of the site. The Coal Authority Consultants Mining Report records indicate that these mine entries were used to dispose of chemical works effluent from a tar distilling company from 1918 to

1969. The risk of encountering unrecorded mine entries across the site is considered to be **very low** at this stage based on the geological setting of the site and recorded mining activity.

No recorded quarrying activities have been identified either on the site or within the vicinity of the site. The risk of unrecorded quarrying having affected the site is considered to be **very low**.

8. ANTICIPATED GROUND CONDITIONS

The anticipated ground conditions have been interpreted from the geological maps and available archive BGS borehole information. This includes information public sector information licensed under Open Government License v 3.0, which has been used in good faith to provide an indication of the possible ground conditions beneath the site. At this stage the information should be used for guidance purposes only and confirmation of the actual ground conditions should be considered if deemed critical.

One archive BGS borehole record is present within the site boundaries, SE30NE/63, within the north landscaping area of the current Stairfoot roundabout, however no geological information is provided for this borehole record.

Based on the available geological records some made ground should be anticipated generally to superficial depths except where the channel of the former Barnsley canal has been infilled, with natural soils consisting of residual soils weathered down from the underlying Coal Measures bedrock, with bedrock anticipated in the form of mudstone and siltstone.

9. GEOTECHNICAL CONSIDERATIONS

9.1. General

An outline plan was available when completing this report. We understand that an extension of the existing roundabout is to be constructed close to, existing ground levels. To accommodate the new highway some new retaining structures will need to be constructed to support differences in ground levels. The proposed ground loadings were not known but for the purposes of this report are assumed to be less than 100 kN/m. If there are changes to these proposals then some modification to the comments and recommendations given may be required. The type of retaining structure proposed will also likely have an influence into the proposed ground loadings.

9.2. Mining Precautions

Based on the geological setting of the site the resultant risk of unrecorded shallow mine works affecting the site is considered to be **very low** and no further intrusive investigation or precautionary measures in this regard are deemed necessary prior to the proposed development.

Depending on the founding depth of any retaining structures, for example if deep piled foundations are required,

No mine entries are recorded within 20m of the site, and the risk of unrecorded mine entries affecting the site is considered to be **very low** at this stage, however the presence of unrecorded mine entries cannot be categorically ruled out at this stage.

The risk of unrecorded quarrying affecting the site is considered to be **very low**.

9.3. Foundations

Intrusive Ground Investigation is recommended prior to foundation design to confirm the ground conditions present and determine the depth to a suitable founding stratum.

Plasticity index testing should be undertaken on natural soils and weathered bedrock to confirm the applicable minimum founding depth in accordance with NHBC standards.

Some deepening of foundations may be required depending on the depth of any disturbed ground from past development across the site, particularly in the location of the infilled channel of the former Barnsley Canal.

9.4. New Retaining Structures

Where the proposed new carriageway will intersect existing slopes, new retaining structures or embankments will need to be installed.

Consideration will need to be given to the temporary and long-term stability of existing slopes and proposed new retaining structures.

Targeted ground investigation will need to be undertaken in the locality of existing and proposed retaining structures to provide information for geotechnical design purposes. Depending on the project requirements this could be undertaken as a supplementary investigatory phase following an initial ground investigation to assess the wider ground conditions, once potential preferred retaining options have been assessed.

9.5. Highways & Hardstanding

Highways and hardstanding will need to be constructed on re-engineered material. For design purposes a CBR of 2.5% may be assumed provided that the formation is proof rolled and any soft spots are removed.

9.6. Drainage & Excavatability

Some difficulties in excavation of trenches for sewers and foundations in the made ground and bedrock should be anticipated. Consideration should be given to providing safe temporary support of excavations within made ground or where greater than 1.20m deep.

Due to the lack of available space and based on the anticipated ground conditions it is not considered that soakaways will be feasible. Off-site drainage will therefore need to be considered.

9.7. Chemical Precautions

Without undertaking chemical analysis of any made ground and natural soils on the site it should be assumed that sulphate resistant concrete is required at this stage. As part of proposed ground investigation works it would be recommended to test samples of the strata present to assess the potential for sulphate attack of buried concrete substructures and the need (if any) for sulphate resistant concrete.

10. ENVIRONMENTAL SEARCHES

As part of the Phase 1 Desk Study assessment a Groundsure Enviro Insight report was obtained, dated 17 May 2023, to provide environmental search information on potentially contaminative sources and sensitive receptors across the site and surrounding area. The relevant findings of the Enviro Insight report are summarised below; the full report is included in the Appendix D.

10.1. Current Land Uses

A series of commercial and industrial land uses have been highlighted within 250m of the site by Groundsure report, given the mixed use of the surrounding area. The closest recorded land use is an electricity sub-station which is located on the site, and a gas governor station is situated 1m south-east of the site.

The nearest petrol station is situated 12m south-east of the site.

10.2. Historical Industrial Sites

Given the historical setting of the site and surrounding area, a series of historical industrial land uses have been recorded within the vicinity of the site, including a bleach and dye works, a tan yard, ground workings, railway sidings, brick works, a chemical plant, collieries, and a garage.

A number of historical tanks have been identified within 250m of the site, with the closest 33m to the south-east.

No historical petrol stations are identified within 500m of the site by the Enviro Insight report, other than the existing petrol station previously mentioned.

10.3. Landfills and Waste Sites

The Groundsure Enviro Insight report shows only one active landfill site within 250m of the site, which is located 162m south-east of the site.

One historical landfill is also recorded within the 250m of the site, which is located 28m west of the site relating to the infilled channel of the former

Barnsley Canal. Two entries for a historical refuse tip entry are noted 37m and 38m south-east

There are three historical waste sites recorded within 250m of the site, two of which are located within the site boundaries; relating to a mixed recycling unit at the Tesco supermarket on Wombwell Lane and a waste transfer station at Carlisle Engineering Works on Grange Lane. The third historic waste site is a refuse heap 74m south-east of the site dating back to 1931.

10.4. Potentially Infilled Land

Within the Enviro Insight report there is one historical entries for potentially infilled land within 250m of the site, located 123m east to the site. The historical maps identify the channel of the former Barnsley Canal to pass through the centre of the site, which was historically been infilled with unknown materials to an unrecorded depth.

10.5. Environmental Permits, Incidents and Registers

There are several pollution incidents highlighted within 250m of the site in the Groundsure report, the nearest one located 63m to north-west of the site from 15 October 2003 described as being caused by Asbestos. The incident was noted to have no impact to water and air but significant impact to land.

An incident dated 13 June 2003 was caused by smoke, which was noted to have minor impact on water and land but a significant air impact.

There are several licensed discharge consent to controlled waters noted within 250m of the site, the nearest one is located 43m south-east of the site.

10.6. Environmentally Sensitive Receptors

The site is not shown to lie within 250m of any currently designated environmentally sensitive receptors.

11. PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT

Contaminated Land is defined under Part 2A of the Environmental Protection Act 1990, implemented through Section 57 of the Environment Act 1995. This supports a 'suitable for use' based approach to the risk assessment of contaminated land. The evaluation is based on an assessment of plausible pollutant linkages, referred to as the **source - pathway - receptor** model, based on the current or proposed use of the site.

A **pollutant linkage** is the relationship between a contaminant, a pathway and a receptor. Unless all three elements are present there is not considered to be a potential pollutant linkage.

However, where a potential pollutant linkage is deemed to be present, the resultant risk is based on the consequence should the event occur, and the probability that the

event will occur, as outlined in CIRIA C552. A tabulated summary of the resultant risk matrix is provided below for contextual purposes.

		Consequence (C)			
		Severe	Medium	Mild	Minor
Probability (P)	High Likelihood	Very high risk	High risk	Moderate risk	Moderate / low risk
	Likely	High risk	Moderate risk	Moderate / low risk	Low risk
	Low likelihood	Moderate risk	Moderate / low risk	Low risk	Very low risk
	Unlikely	Moderate / low risk	Low risk	Very low risk	Very low risk

RISK MATRIX FOR ENVIRONMENTAL RISK ASSESSMENT (BASED ON CIRIA C552)

Part 2A states that for land to be defined as Contaminated Land by the Local Authority it needs to be in such a condition that:

- Significant harm is being caused, or there is significant possibility of such harm being caused.
- Pollution of controlled waters is being caused, or likely to be caused.

The potential risks associated with historical land uses have been assessed in relation to the tables provided in Appendix E.

11.1. Proposed Site Use

We understand that the current development proposal is for an extension of the existing roundabout and realignment of the existing highway infrastructure . A proposed layout plan is included in Appendix A.

As part of the proposed development works new soft landscaping areas are proposed where future site users could come into contact with any shallow depth soils in the same manner as in a public park setting.

There is also a lesser potential for any construction workers to come into contact with existing soils, and standard precautionary measures should be employed to reduce the potential for dermal contact and/or inhalation of dust or vapours. Good hygiene practises and facilities should also be provided as a standard precautionary measure.

11.2. Potential Pathways

- Dermal contact (indoor and outdoor).
- Ingestion of soil and indoor dust.
- Indirect ingestion (indoor and outdoor).

- Inhalation of dust (indoor and outdoor).
- Inhalation of vapours (indoor and outdoor).
- Leaching to groundwater
- Surface water run-off.
- Director contact with concrete substructures.
- Migration through the ground (vertical and horizontal).

11.3. On Site Contamination

The historic OS maps show the site to have been previously occupied by a bleach and dye works, tan yard, brick works, chemical plant, colliery and garages. Soft landscaping areas are proposed as part of the proposed development where future site users could come into contact with underlying shallow depth soils. Although this would only be expected to be on a limited basis and only for a short exposure time, it would be prudent to undertake a Generic Quantitative Risk Assessment (GQRA) for human health purposes as part of proposed ground investigation works. The measured soil chemical concentrations should be compared against a public park (POS_{park}) landuse scenario for GQRA purposes which is considered to represent the most likely land use scenario for proposed soft landscaping areas.

However, as the site is proposed to remain for highway use the overall resultant risk is considered to be **low** at this stage.

11.4. Off Site Contamination

The historical setting of the surrounding area has identified a glass works, brick works, chemical plants, clay pits and several tanks as a potential source of off-site contamination. However, in light of the site proposals, which will remain as highway usage, with only soft landscaping areas, the risk is considered to be **very low** at this stage.

11.5. Ground Gases

According to the Enviro Insight report the site is not within a radon affected area as defined by the Health Protection Agency (HPA) and no radon protection measures would be required to be installed in any new buildings in accordance with Building Research Establishment (BRE) document BR211.

Several recorded landfill sites have been identified within 250m of the site; the nearest being 28m west of the site, associated with the infilled canal channel

There is one active landfill located 162m south-east of the site operated by the B D R Waste Disposal Ltd.

Based on the above information the overall risk from ground gases is considered to be **low** and no further investigation or risk assessment is deemed necessary unless any buildings are proposed as part of the improvement scheme.

The potential for ground gas emissions in any excavations should be considered by the appointed Principal Contractor. As standard precautionary measures, any excavations requiring personnel entry should be monitored for gas emissions before entry is permitted, and a watching brief should be maintained whilst personnel are in any confined spaces.

11.6. Invasive Species

The vegetation in and around the site has been examined. No obvious signs of potential invasive plant species were noted during the site walkover undertaken. However, not seeing any signs of invasive plants during our brief time on site cannot be a guarantee that they are not present on or around the site.

11.7. Conceptual Site Model

Using the information presented above and the **source - pathway - receptor** model, a Conceptual Site Model (CSM) has been formulated to determine whether a potentially significant pollutant linkage is perceivable and what potential risks are posed to the identified future receptor from each potential contaminant source.

The CSM is tabulated and shown graphically in Appendix F. Where required the CSM should be updated as further investigation and/or development works progress to reflect the potential risks to future receptors, especially if any previously unidentified ground conditions are encountered.

To further refine the potential risks identified on the initial CSM it would be recommended to carry out intrusive Ground Investigation and associated laboratory testing and ground gas monitoring. Further details regarding the recommended scope of investigatory works is included in Section 14 (Further Investigation) of this report.

11.8. Imported Soils

If any imported soils are required to be brought to site to facilitate the proposed development, they will need to be validated to confirm their chemical suitability, and that they do not pose a risk to future receptors. The soils should be validated in accordance with Yorkshire And Lincolnshire Pollution Advisory Group (YALPAG) guidance “Verification Requirements for Cover Systems” version 4.1, dated June 2021.

The scope and frequency of analysis required to validate any imported soils will be dependent on the source and/or historical setting of the source site and the volume of soils imported to site.

12. WASTE DISPOSAL

Any waste arising from development of the site, such as excess soil or material deemed unsuitable for retention on site, should be disposed of in accordance with the

Duty of Care Regulations. If any soils are being disposed directly to a landfill site Waste Acceptance Criteria (WAC) analysis may be required in addition to basic environmental screen testing to determine the most appropriate disposal facility for the waste, in accordance with the requirements of the current Landfill Directive.

13. REGULATORY APPROVAL

The conclusions and recommendations in this report are based on a review of available information and observations made during the site walkover survey undertaken. The conclusions cannot be guaranteed to gain regulatory approval if this report is required as part of a planning application. If it is required as such it should be passed to the relevant regulatory bodies for their comment and approval.

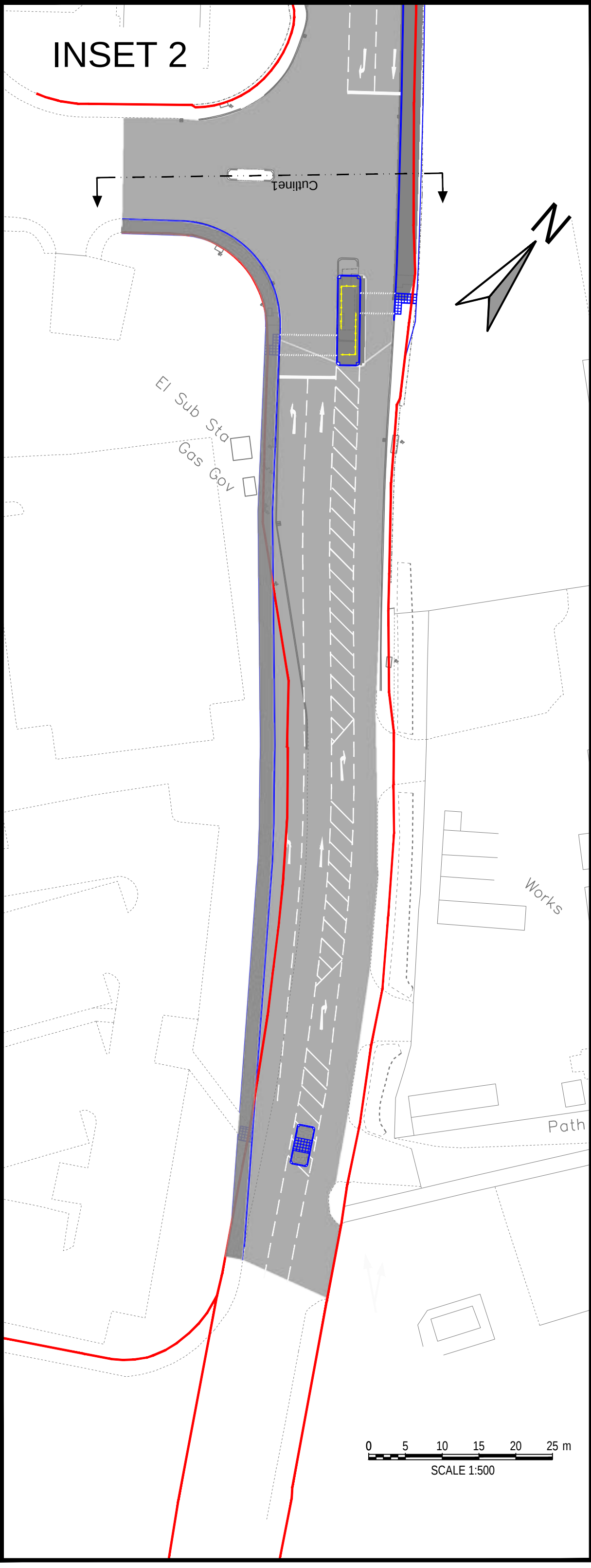
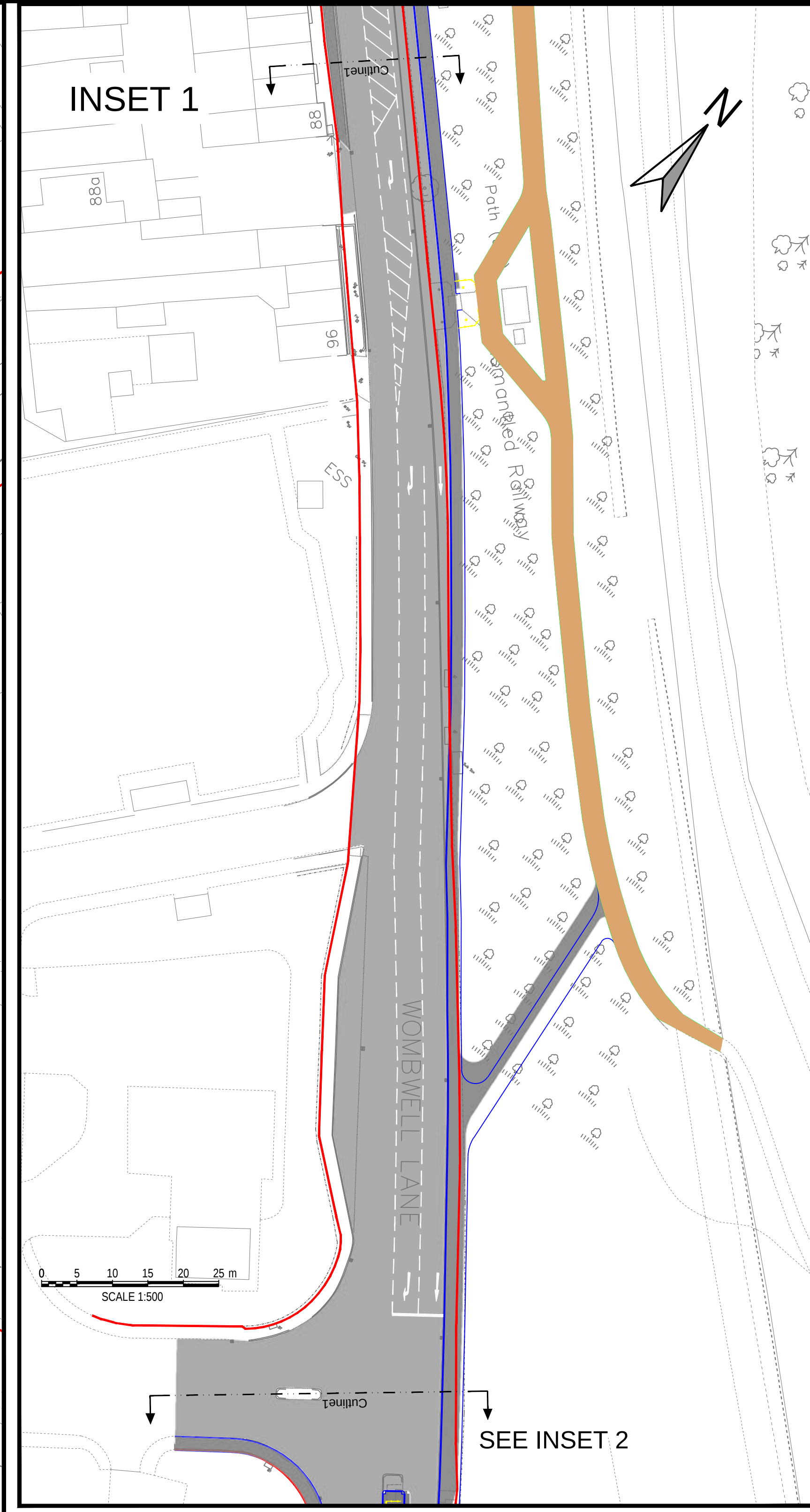
14. FURTHER INVESTIGATION

Based on the findings of the Phase 1 Desk Study undertaken it would be recommended to carry out a Phase 2 Ground Investigation prior to any further design work, both to confirm the ground conditions and geotechnical properties of the soils and weathered bedrock for engineering purposes, and also to assess whether the existing soils are suitable for retention close to the surface in any proposed soft landscaping areas, or if a cover system of imported soils will be required to break potential pathways in such areas.

We understand that a design partner is yet to be appointed for the scheme, and that a scope of proposed ground investigation works will be discussed and agreed as part of the design process going forward. This should include targeted ground investigation in the locations of proposed new retaining structures.

Report 151134DS | July 2023

APPENDIX A - PROPOSED LAYOUT DRAWING



KEY

CARRIAGEWAY CONSTRUCTION

FOOTWAY CONSTRUCTION (LIGHT VEHICLE OVER RUN)

VERGES / LANDSCAPING

PEDESTRIAN GUARDRAIL

TPT WIDENING

HIGHWAY BOUNDARY

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Rev.	By	Amendments	Date
P1	ICG	FIRST ISSUE	02.03.23
P2	ICG	REVISED GRANGE LANE	24.04.23
P3	ICG	REVISED BLEACHCROFT ROUNDABOUT ENTRY: TPT UPGRADES ADDED NORTHBOUND ACCES INTO ASDA REVISED	28.04.23
P4	ICG	RIGHT TURN POCKETS ADDED AT OLD CEMENT WORKS SITE. ISLAND WIDENED	02.05.23

BARNSELEY
Metropolitan Borough Council

Project

BRT
STAIRFOOT ROUNDABOUT

Drawing title

WOMBWELL LANE
TWO LANES INBOUND
NO BUS LANE OUTBOUND

Scale	Drawn	Checked	Date
1:500	ICG		05.04.23

Drawing No.	Revision	File
GA-SK-027	P4	FILE

David Shepherd Service Director Place Directorate
Regeneration & Culture (Business Unit 4)
P.O. Box 609, Barnsley.
S70 9FH
Tel. (01226) 770770 Fax. (01226) 772222

APPENDIX B - HISTORICAL MAPS

Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: County Series

Map date: 1890-1894

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1890
Revised N/A
Edition 1894
Copyright N/A
Levelled N/A

Surveyed 1890
Revised 1890
Edition 1890
Copyright N/A
Levelled N/A

Surveyed 1890
Revised N/A
Edition 1894
Copyright N/A
Levelled N/A

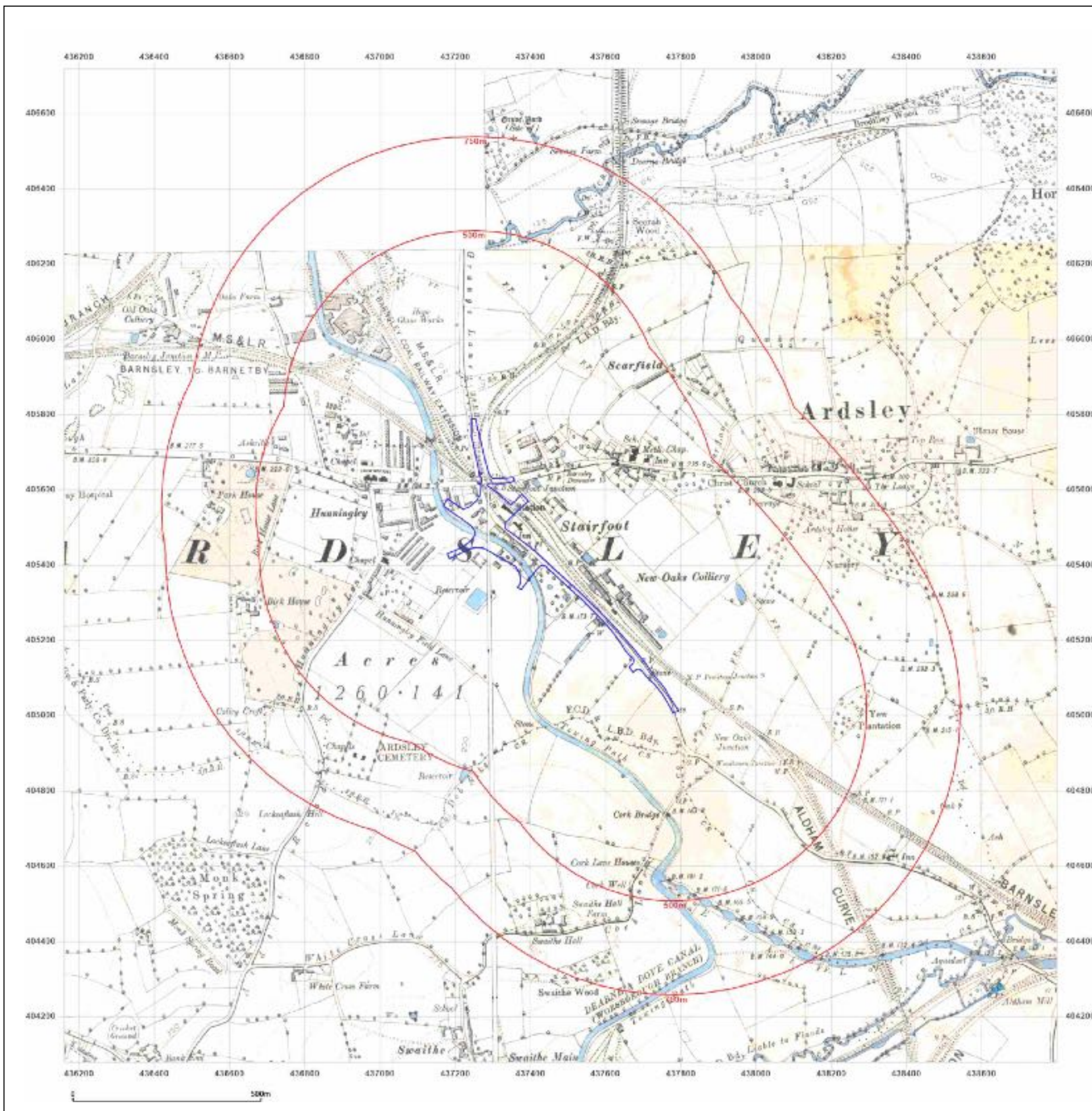


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Production date: 17 May 2023

Map legend available at:
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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: County Series

Map date: 1904

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1891
Revised 1904
Edition 1904
Copyright N/A
Levelled N/A

Surveyed 1890
Revised 1904
Edition 1904
Copyright N/A
Levelled N/A

Surveyed 1890
Revised 1904
Edition 1904
Copyright N/A
Levelled N/A

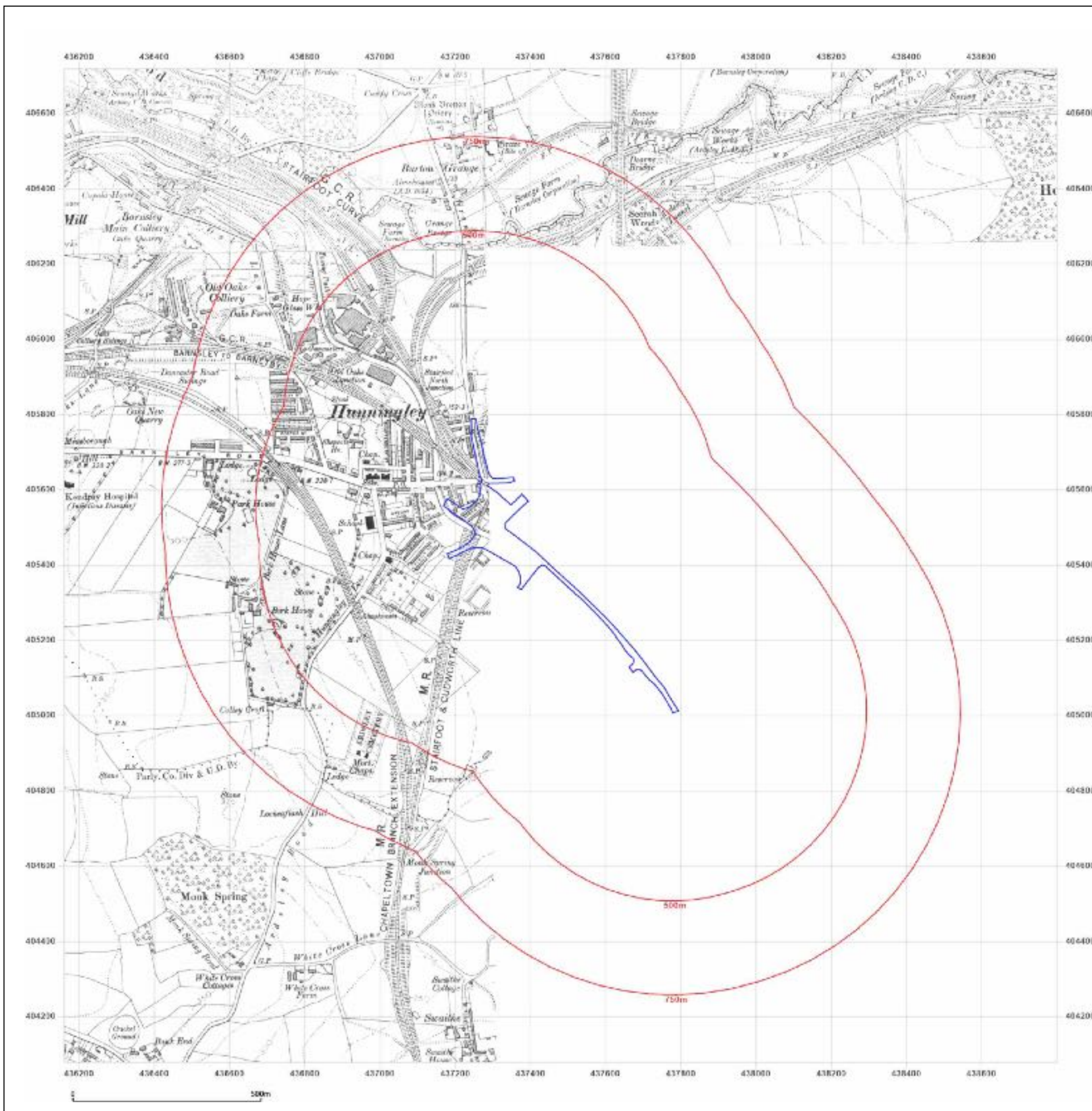


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Site Details:

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BARNSELY, S70 3PE

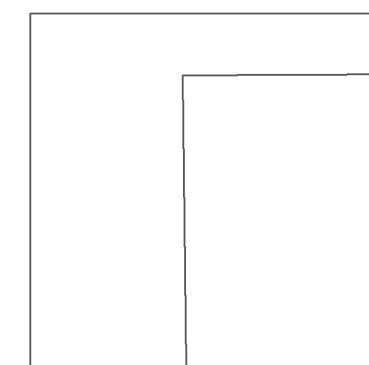
Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: County Series

Map date: 1904

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1890
Revised 1904
Edition 1904
Copyright N/A
Levelled N/A

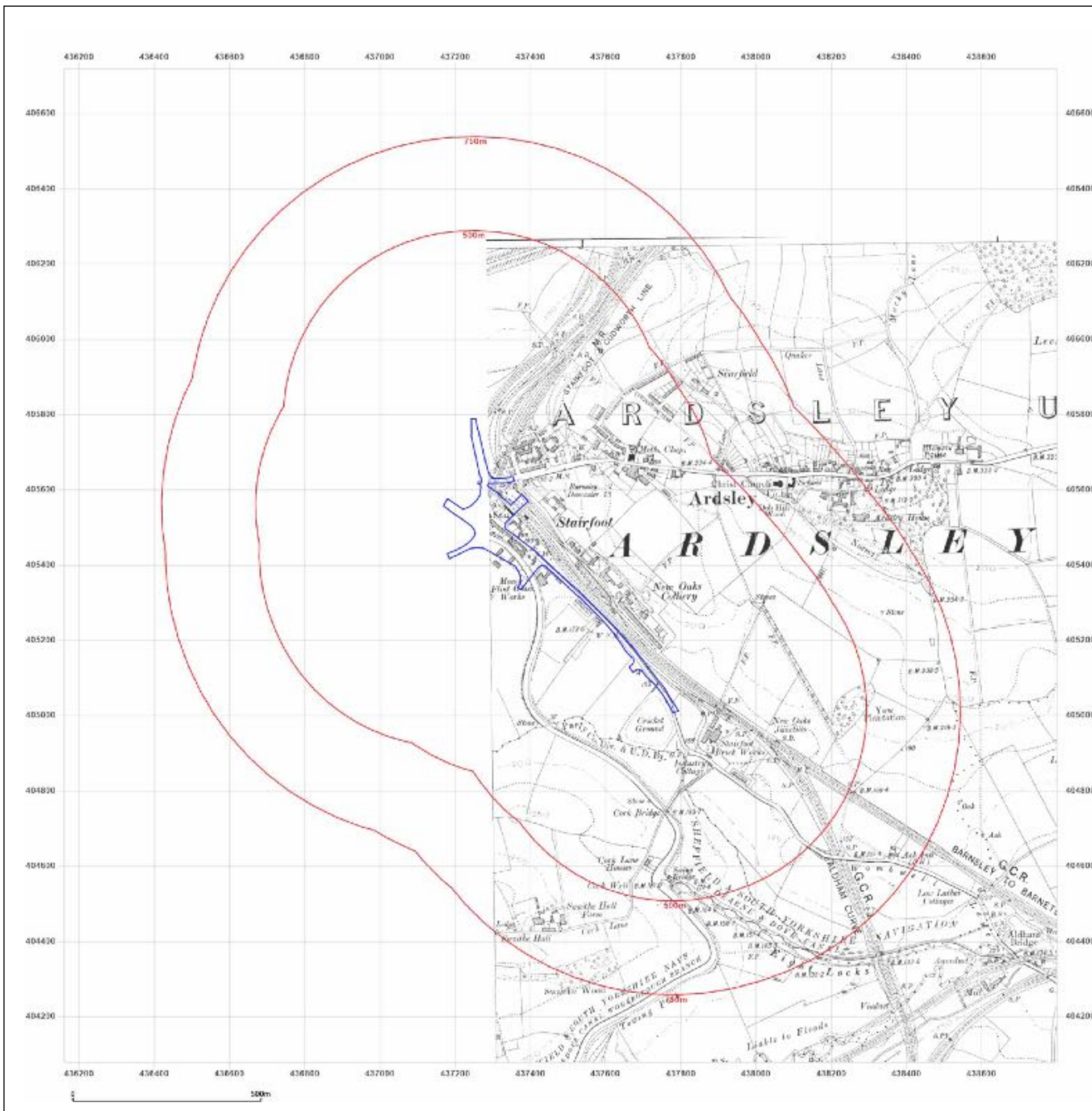


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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: County Series

Map date: 1929-1931

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1851
Revised 1929
Edition 1929
Copyright N/A
Levelled 1915

Surveyed 1851
Revised 1929
Edition 1929
Copyright N/A
Levelled 1915

Surveyed 1851
Revised 1929
Edition 1931
Copyright N/A
Levelled N/A

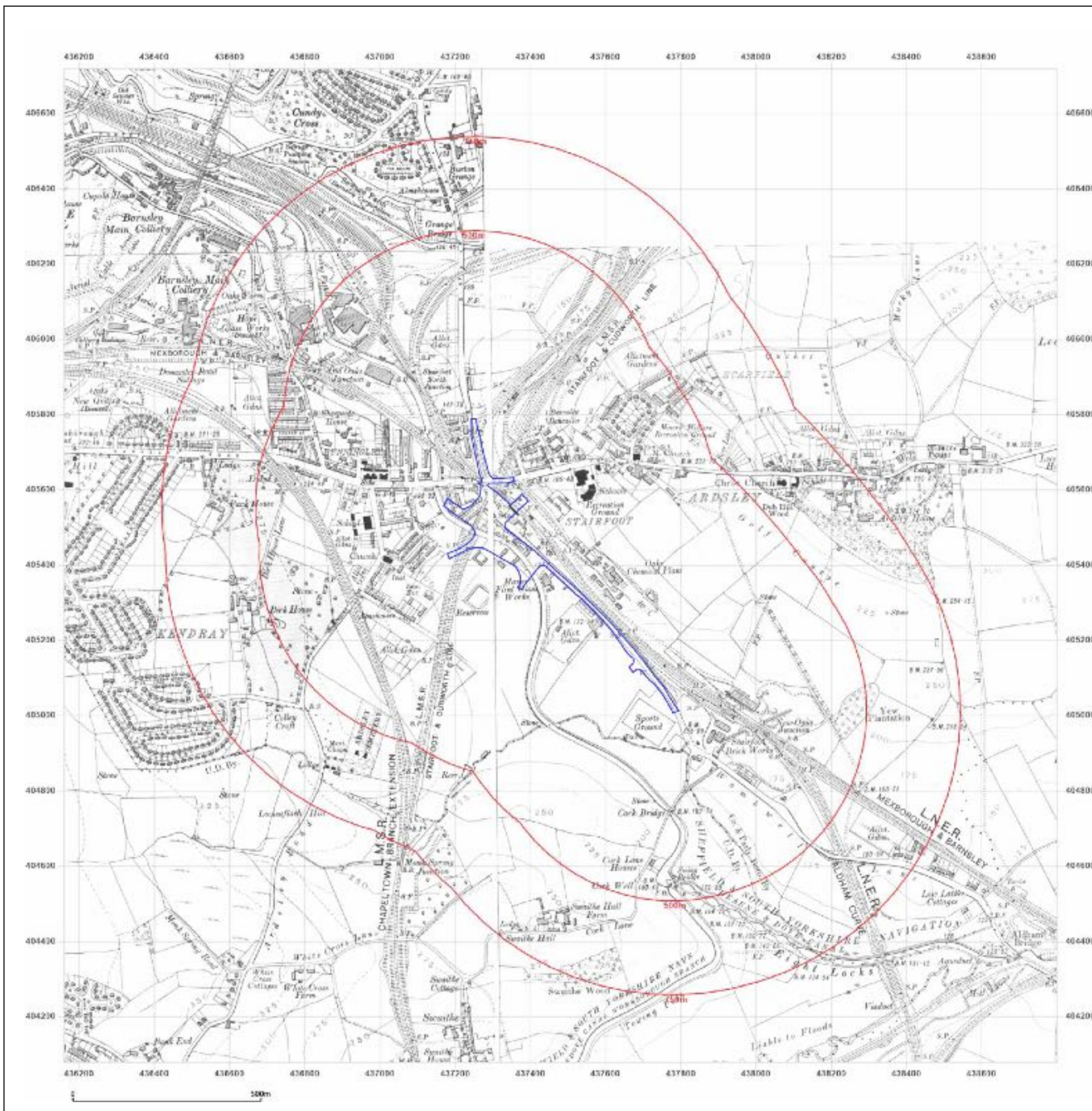


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Production date: 17 May 2023

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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1851
Revised 1938
Edition 1938
Copyright N/A
Levelled 1929

Surveyed 1850
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

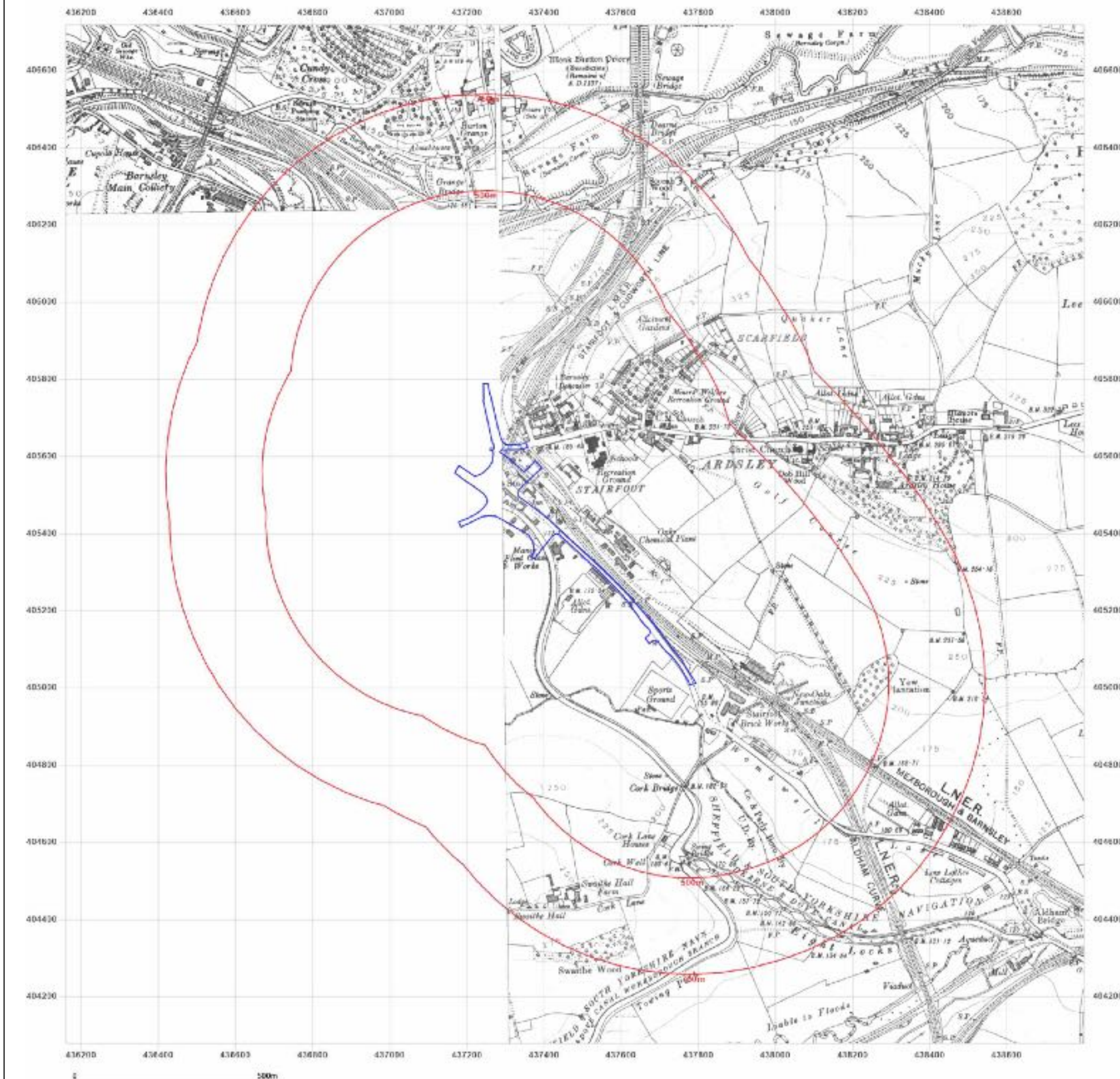


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Production date: 17 May 2023

Map legend available at:
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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1850
Revised 1938
Edition 1938
Copyright N/A
Levelled 1929

Surveyed 1851
Revised 1938
Edition 1938
Copyright N/A
Levelled 1929

Surveyed 1851
Revised 1938
Edition 1938
Copyright N/A
Levelled 1929

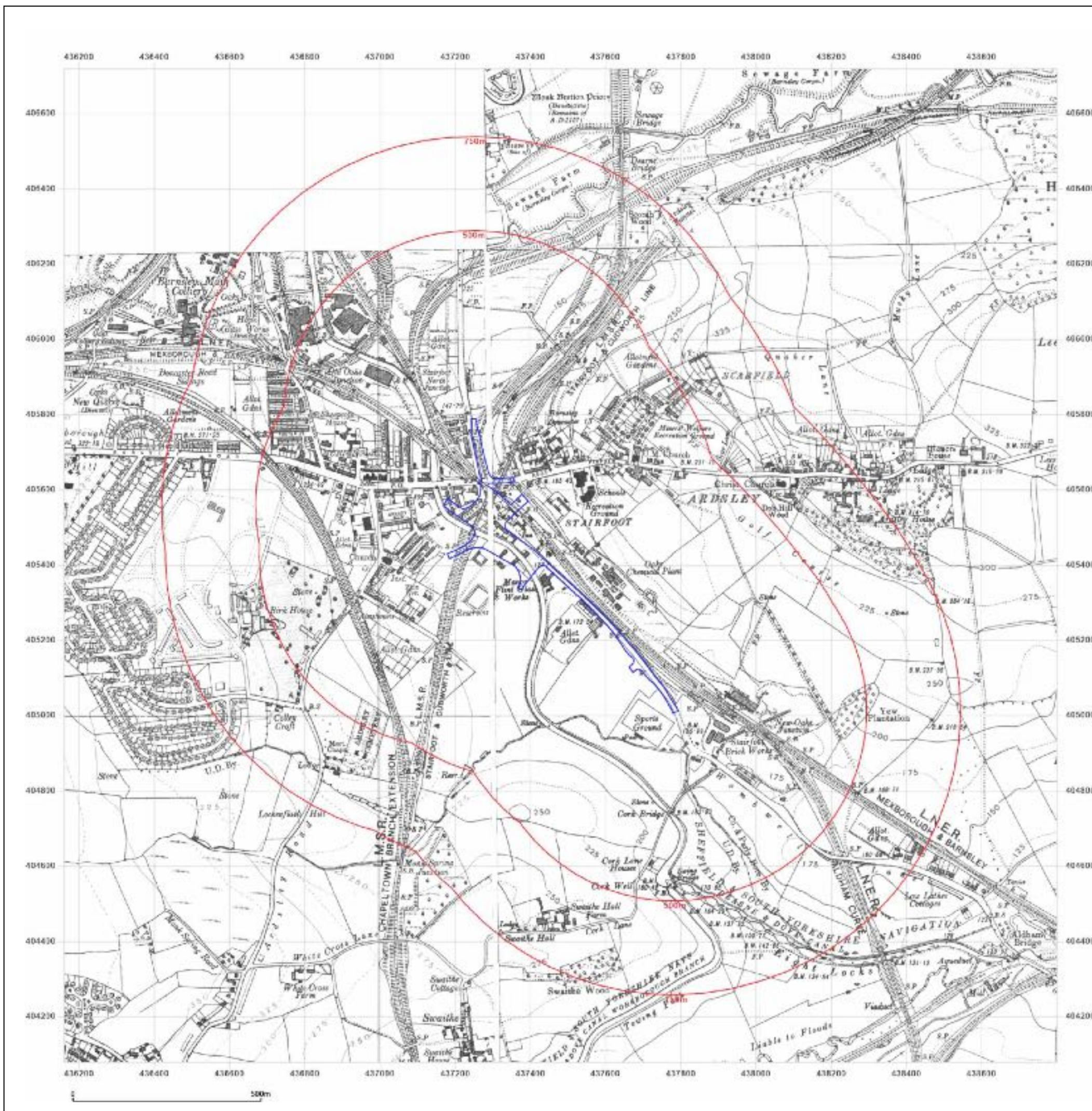


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Production date: 17 May 2023

Map legend available at:
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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1851
Revised 1948
Edition 1948
Copyright N/A
Levelled 1929

Surveyed 1851
Revised 1948
Edition 1948
Copyright N/A
Levelled 1929

Surveyed 1851
Revised 1948
Edition 1948
Copyright N/A
Levelled 1929

Surveyed 1851
Revised 1948
Edition 1948
Copyright N/A
Levelled 1929

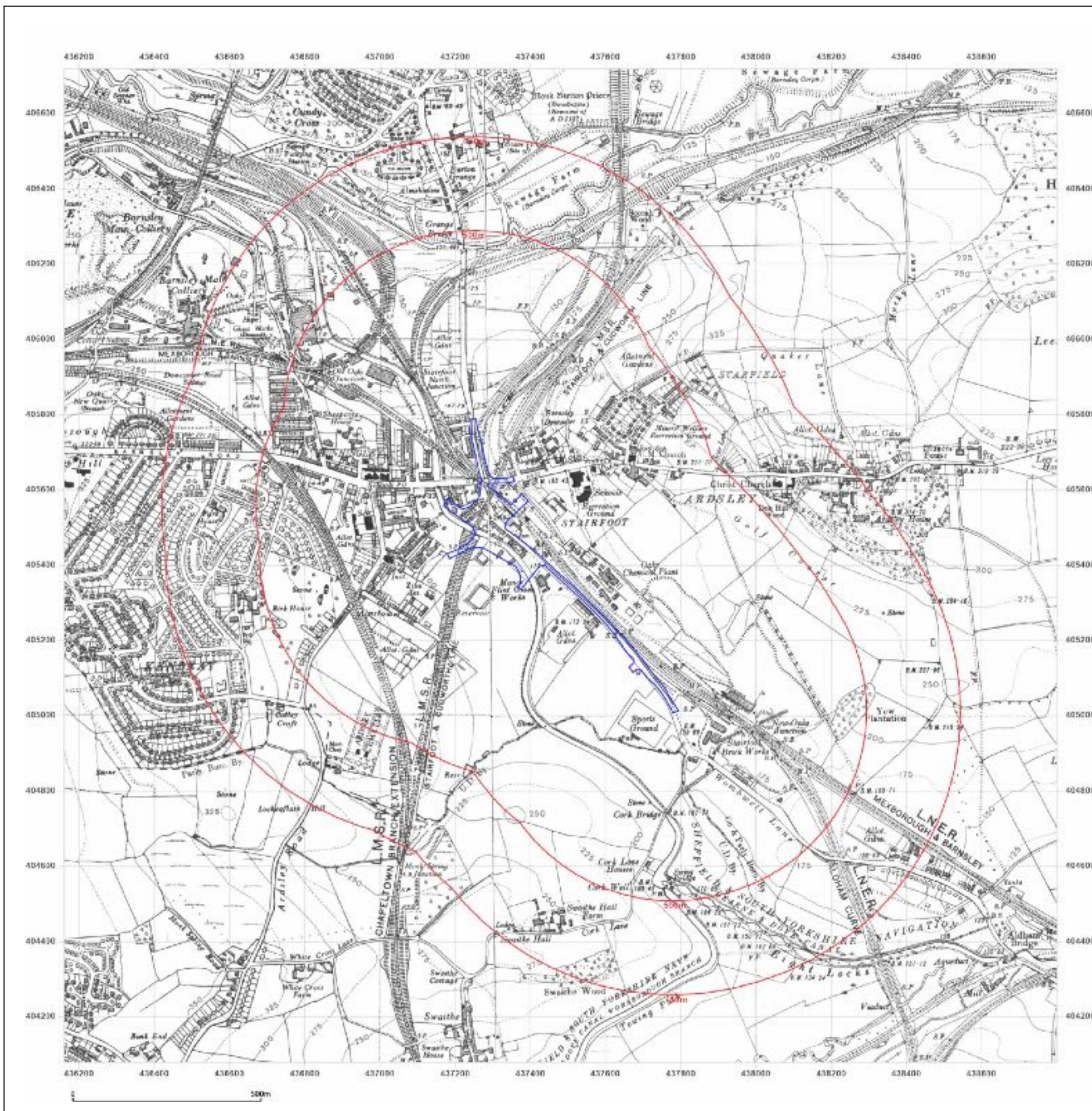


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Production date: 17 May 2023

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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: Provisional

Map date: 1951-1955

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1955
Edition N/A
Copyright 1955
Levelled N/A

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

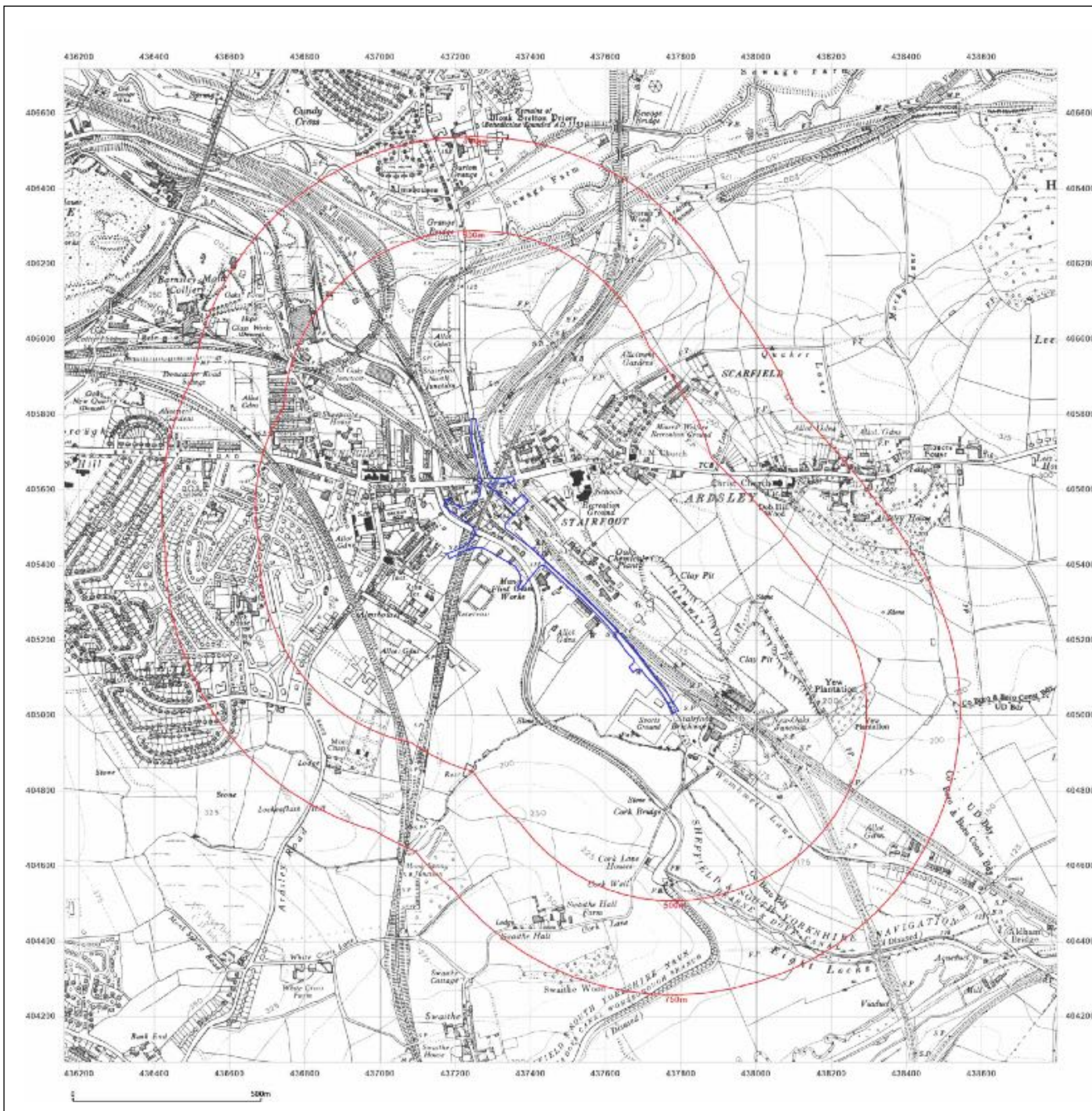


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Production date: 17 May 2023

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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: Provisional

Map date: 1966

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1966
Revised 1966
Edition N/A
Copyright 1966
Levelled N/A

Surveyed 1966
Revised 1966
Edition N/A
Copyright 1966
Levelled N/A

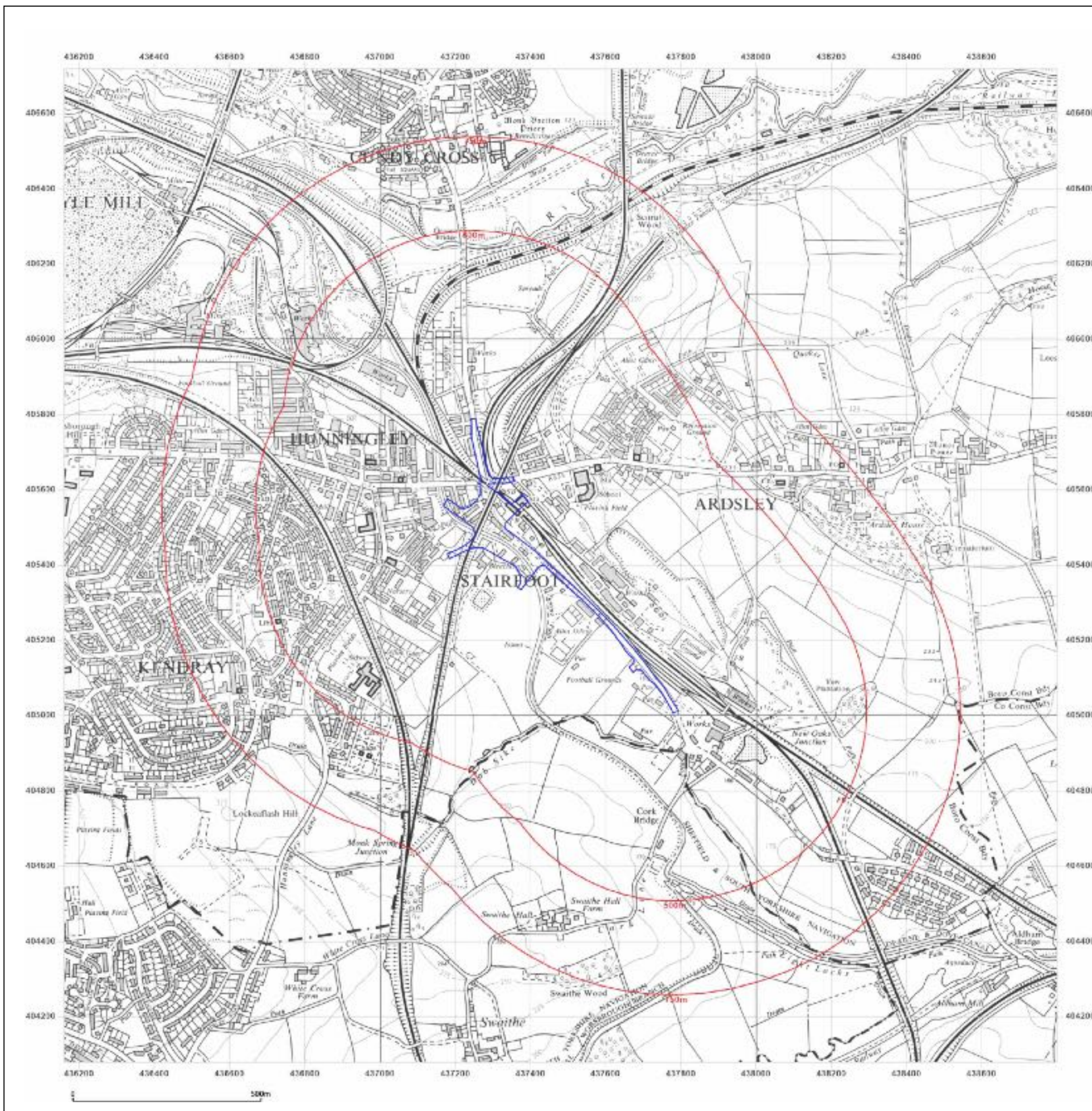


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Production date: 17 May 2023

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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: National Grid

Map date: 1974-1977

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1974
Revised 1974
Edition N/A
Copyright 1975
Levelled 1978

Surveyed 1976
Revised 1977
Edition N/A
Copyright 1978
Levelled 1978

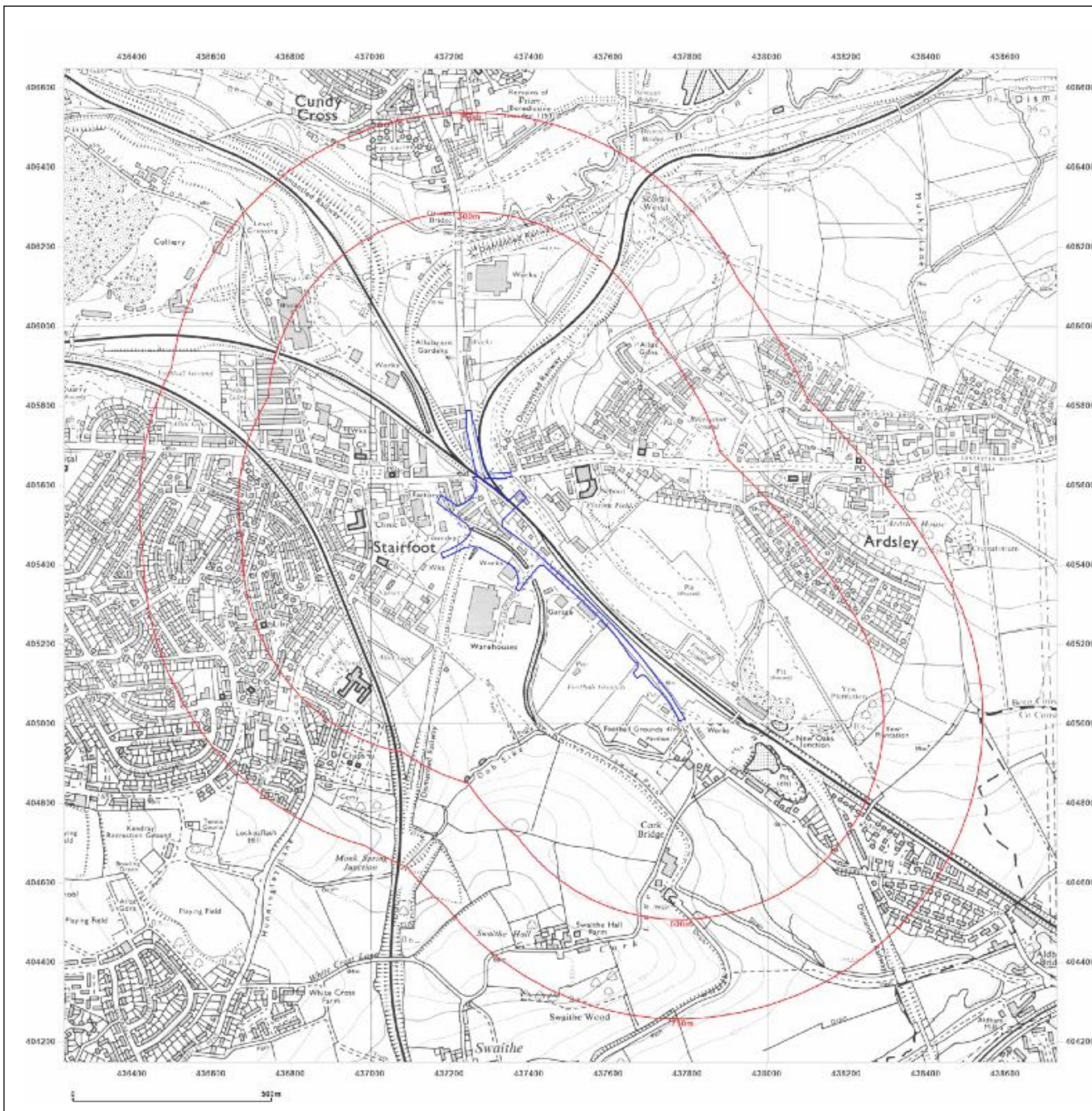


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Production date: 17 May 2023

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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: National Grid

Map date: 1982-1987

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1981
Revised 1982
Edition N/A
Copyright 1983
Levelled 1978

Surveyed 1986
Revised 1987
Edition N/A
Copyright 1988
Levelled 1978

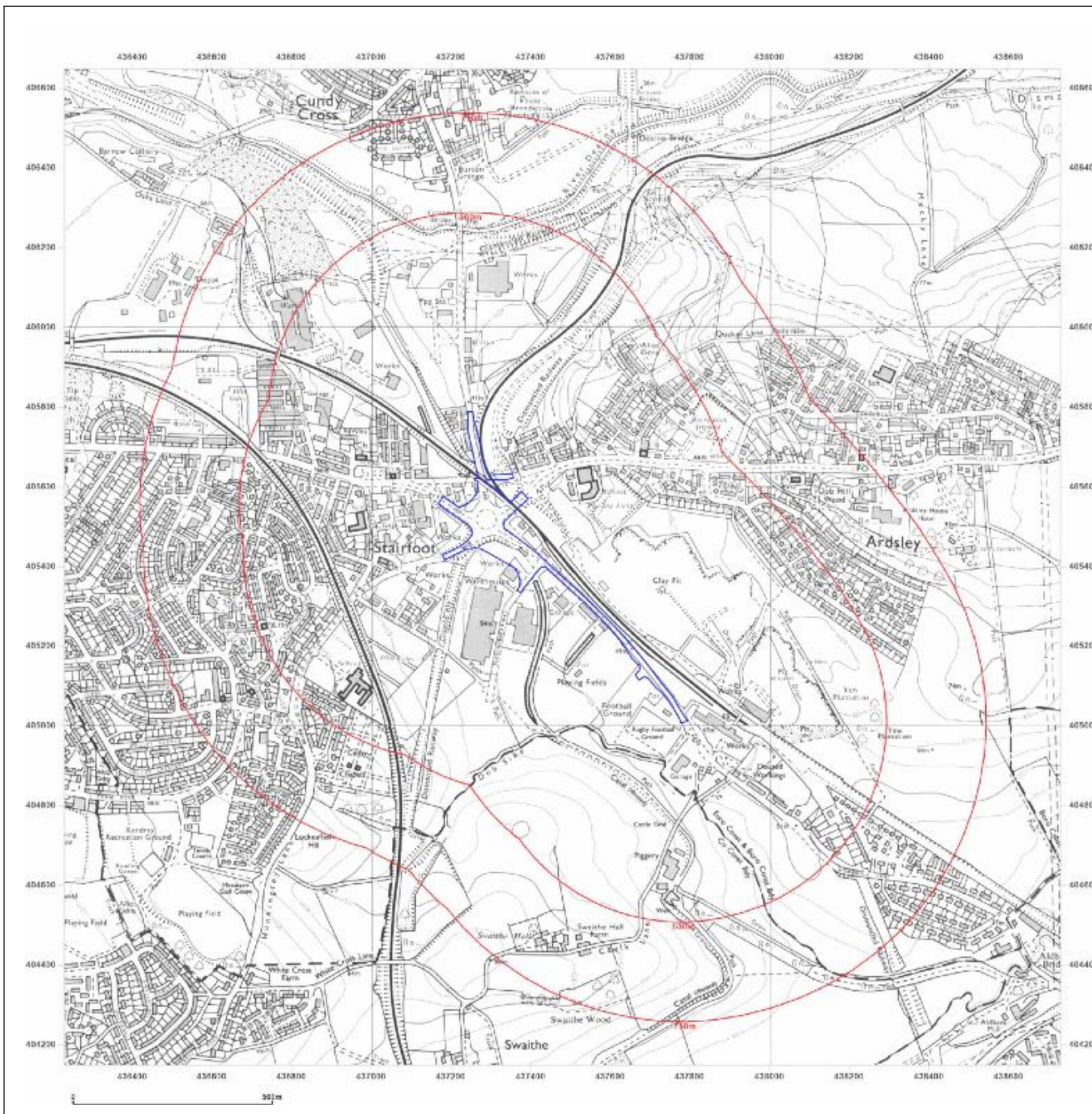


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Production date: 17 May 2023

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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELEY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: National Grid

Map date: 1987-1992

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1981
Revised 1992
Edition N/A
Copyright 1993
Levelled 1978

Surveyed 1986
Revised 1987
Edition N/A
Copyright 1988
Levelled 1978

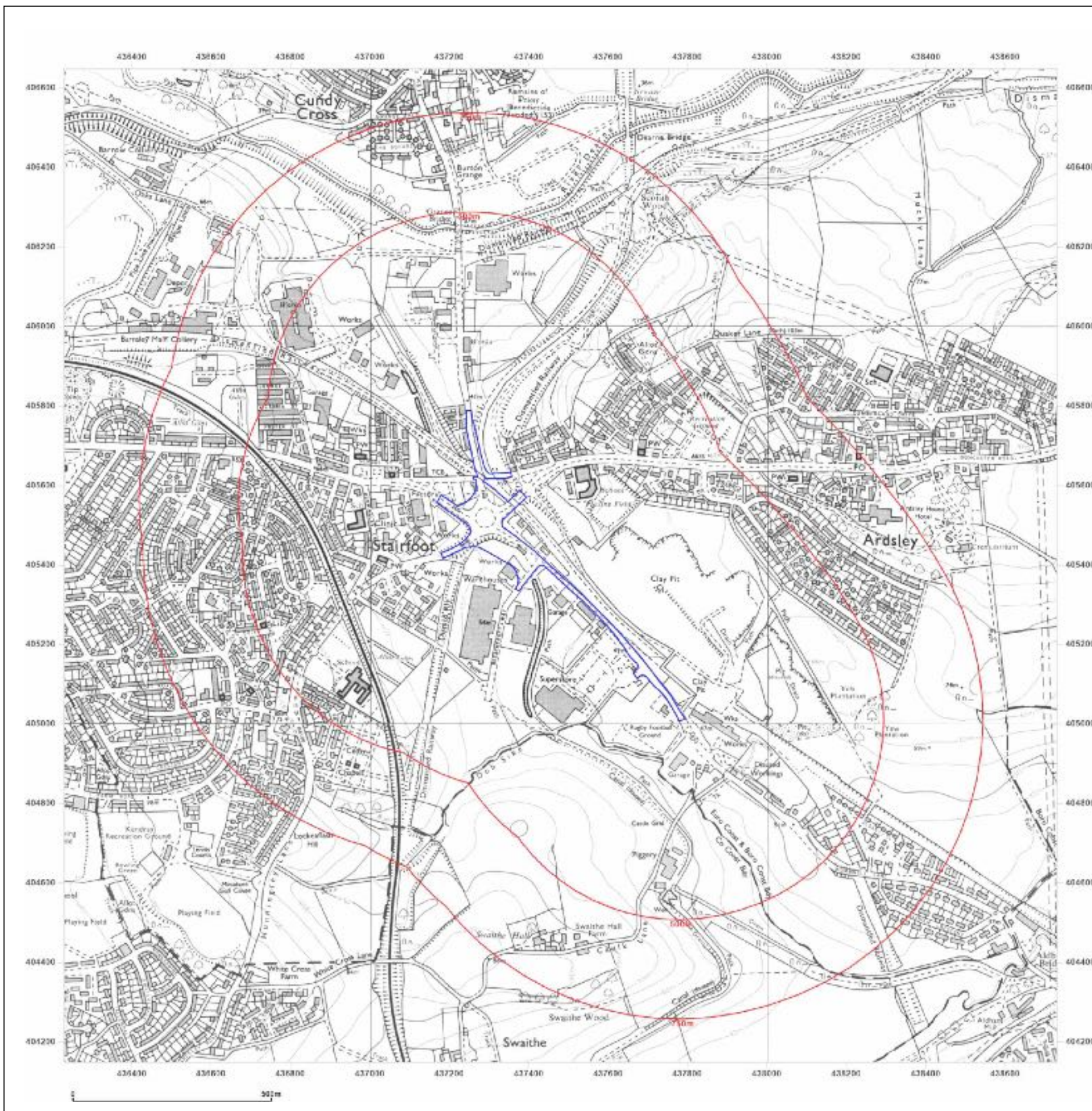


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Production date: 17 May 2023

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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



2001

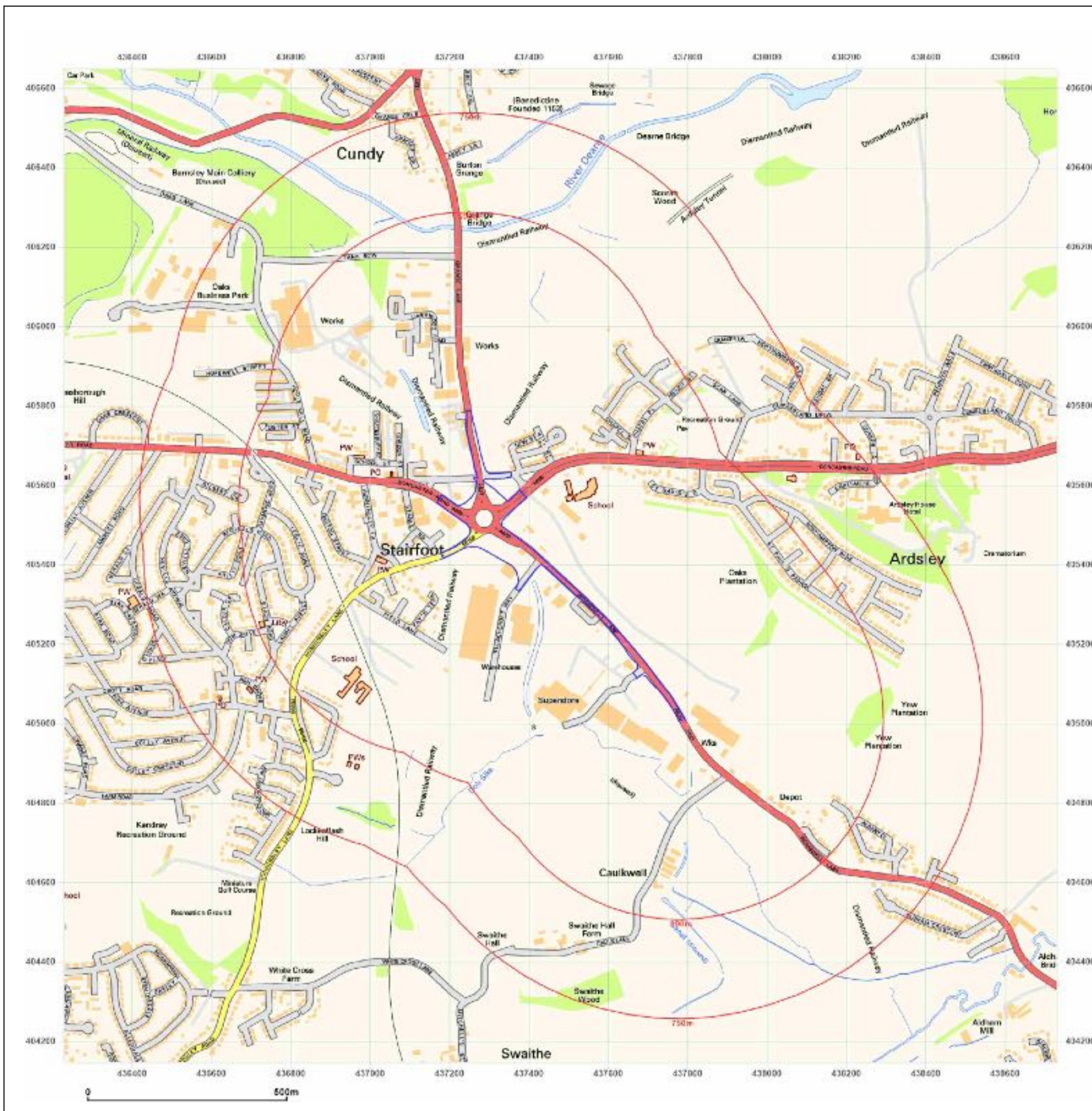


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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010

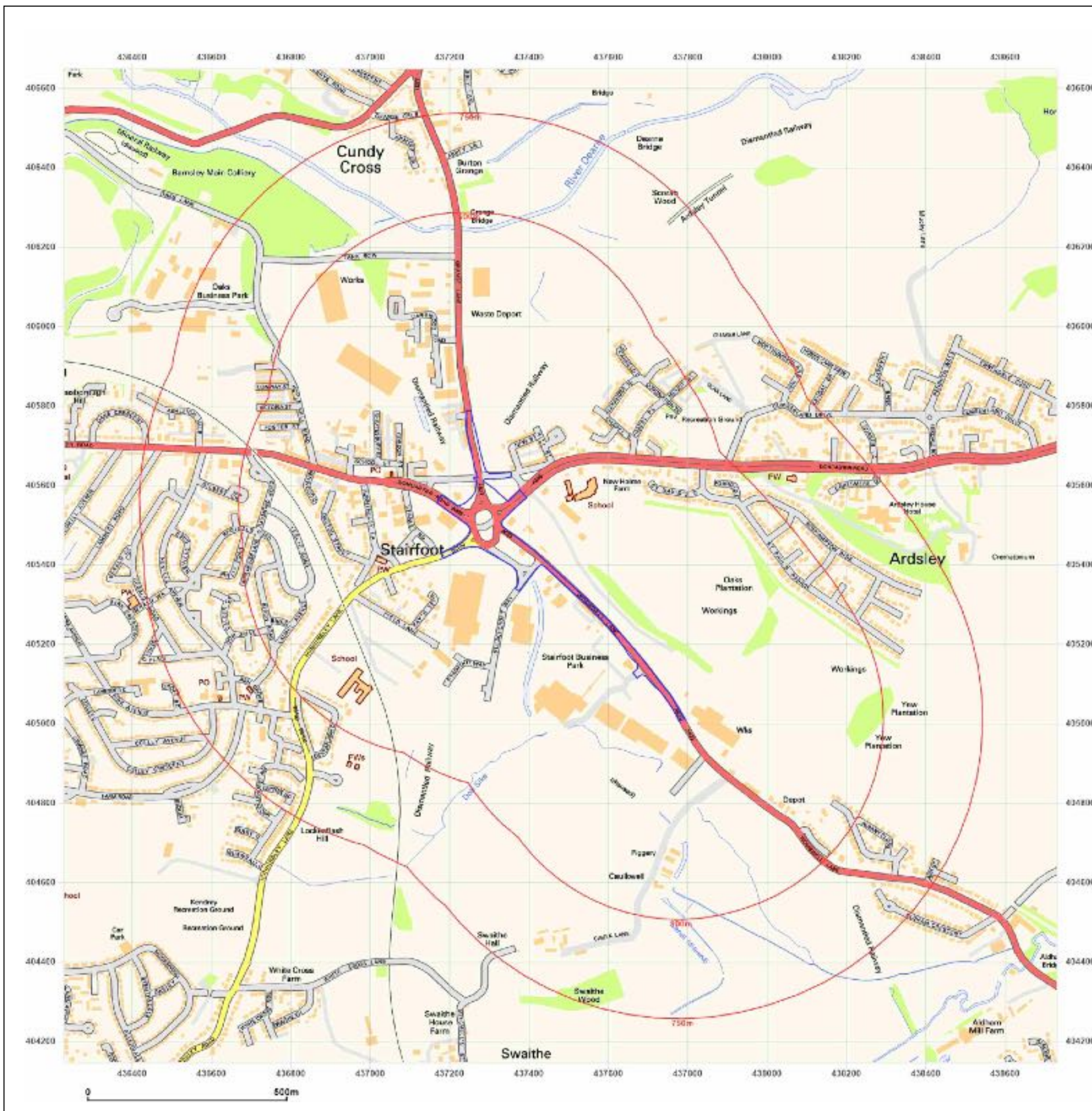


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Site Details:

STAIRFOOT ROUNDABOUT,
BARNSELY, S70 3PE

Client Ref: 151134-4147
Report Ref: GS-Q99-UP4-X3G-ENQ
Grid Ref: 437480, 405398

Map Name: National Grid

Map date: 2023

Scale: 1:10,000

Printed at: 1:10,000



2023

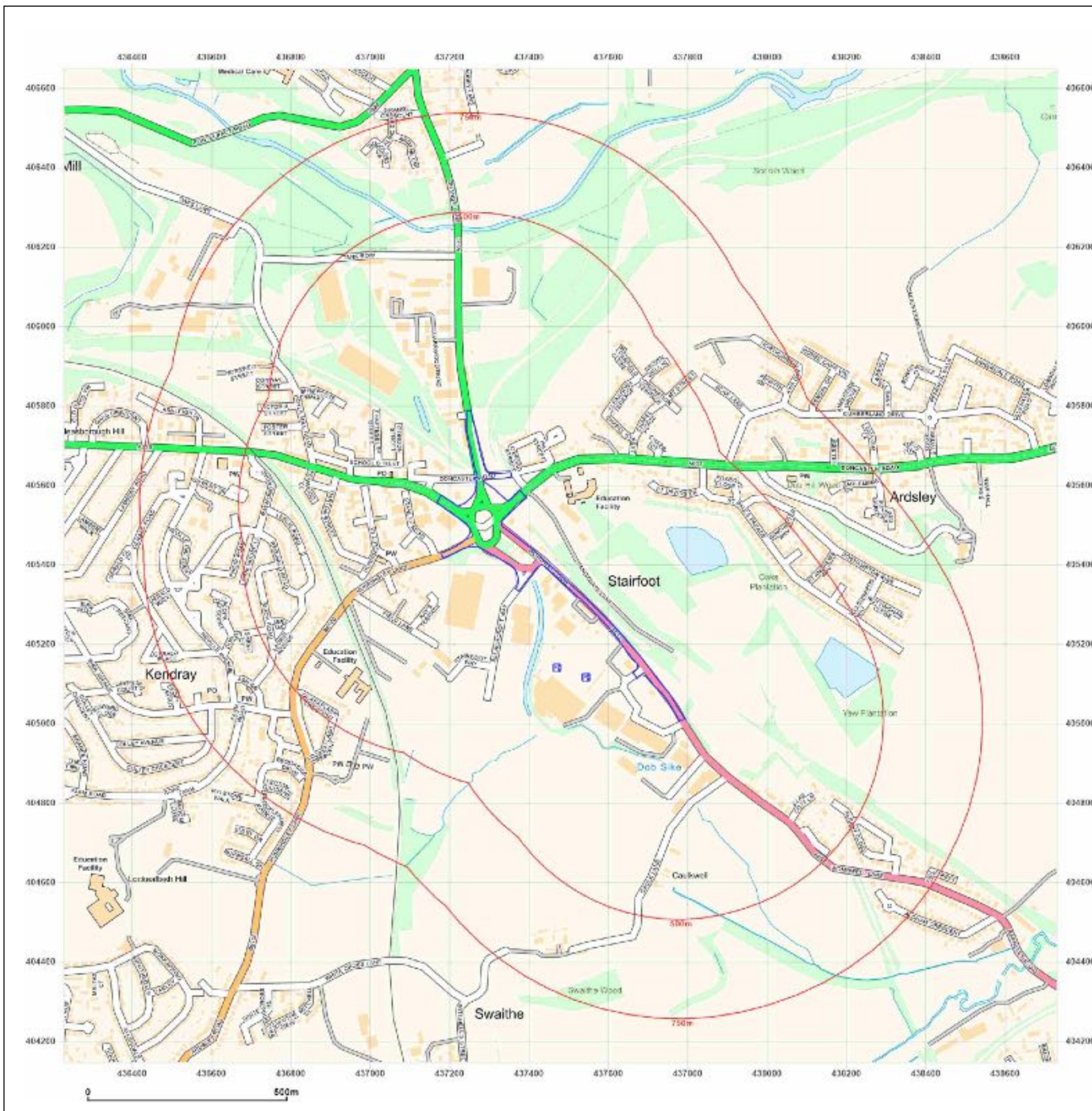


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APPENDIX C - COAL AUTHORITY CONSULTANTS MINING REPORT



The Coal
Authority

Consultants Coal Mining Report

Stairfoot Roundabout, Barnsley,
South Yorkshire
S70 3PE

Date of enquiry:	17 May 2023
Date enquiry received:	17 May 2023
Issue date:	17 May 2023

Our reference:	51003355615001
Your reference:	



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

GROUNDSURE LIMITED

Enquiry address

Stairfoot Roundabout, Barnsley,
South Yorkshire
S70 3PE

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

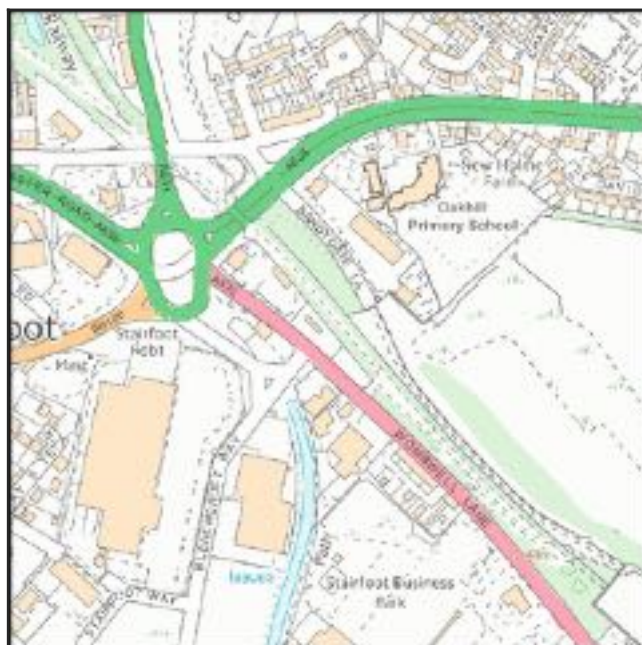
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
NEW OAKS	MELTONFIELD	Coal	639M	129	South-West	4.8	East	105	1901
unnamed	WINTER	Coal	639N	143	Beneath Property	3.6	East	90	1964
BARNSELY MAIN	BEAMSHAW LOW	Coal	639Q	172	Beneath Property	3.3	East	79	1966
BARNSELY	BEAMSHAW LOW	Coal	639P	175	South-West	3.6	East	68	1956
BARNSELY MAIN	BEAMSHAW LOW	Coal	6IA1	189	South	4.1	North-East	68	1956
BARNSELY	KENT THICK	Coal	639T	203	Beneath Property	3.5	East	122	1960
BARNSELY MAIN	KENT THICK	Coal	6IA3	217	South	4.4	North-East	122	1958
unnamed	BARNSELY	Coal	6IA6	219	South	3.5	North-East	262	1891
unnamed	BARNSELY	Coal	639U	269	Beneath Property	3.7	East	188	1884
unnamed	BARNSELY	Coal	6IA8	287	South	3.2	East	262	1888
BARROW	SWALLOW WOOD	Coal	639V	327	West	4.3	East	135	1974
BARNSELY	TOP HAIGH MOOR	Coal	639X	339	Beneath Property	3.9	East	137	1917
BARROW	SWALLOW WOOD	Coal	639W	340	Beneath Property	2.9	East	135	1977
BARROW	SWALLOW WOOD	Coal	4VM7	345	North	4.5	East	117	1975
BARNSELY MAIN	TOP HAIGH MOOR	Coal	4VMH	352	North	3.9	East	127	1902
unnamed	FENTON	Coal	6IAH	443	South	4.0	North-East	137	1949
unnamed	PARKGATE	Coal	6IAN	475	South	2.7	North-East	142	1939
unnamed	PARKGATE	Coal	5R9R	484	South-East	3.0	North-East	142	1931
BARNSELY	FENTON	Coal	63A1	486	Beneath Property	3.0	East	157	1939
BARNSELY MAIN	FENTON	Coal	6IAG	487	South	3.1	East	173	1937
BARNSELY	FENTON	Coal	63A0	491	West	3.6	East	157	1946
BARNSELY MAIN	FENTON	Coal	4VMO	497	North-West	5.0	East	157	1946

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
BARNSLEY MAIN	FENTON	Coal	4VMN	499	North	2.4	East	157	1932
BARNSLEY	PARKGATE	Coal	63A2	505	Beneath Property	3.7	East	117	1945
BARNSLEY MAIN	PARKGATE	Coal	4VMS	514	North	2.7	East	117	1945
BARNSLEY	PARKGATE	Coal	T06	521	North-East	3.2	East	122	1987
BARNSLEY MAIN	FENTON	Coal	R30	525	East	3.5	North-East	141	1990
BARNSLEY	PARKGATE	Coal	T08	526	North-East	3.4	North-East	137	1986
BARNSLEY	PARKGATE	Coal	T10	539	East	3.4	North-East	131	1989
MITCHELL	SILKSTONE	Coal	50CL	566	South-East	3.2	North-East	93	1938
BARNSLEY	SILKSTONE	Coal	63A4	587	Beneath Property	4.0	North-East	89	1979
BARNSLEY	SILKSTONE	Coal	X16	598	Beneath Property	2.5	East	89	1986
BARNSLEY	SILKSTONE	Coal	X18	606	North-East	1.9	East	91	1981

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	437405-001	437574 405354	Records indicate this mine entry was used to dispose of chemical works effluent from a tar distilling company from 1918 to 1969. It is understood the mine entry was bricklined. In 1987 the fill was topped up following slumping of the original fill material. A post and barb wire fence was constructed around the mine entry in 1993 following reports of a 'slight depression'	Coal	
Shaft	437405-002	437582 405344	Records indicate this mine entry was used to dispose of chemical works effluent from a tar distilling company from 1918 to 1969	Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

A3	SY176	1934
NE954	NE1009	R259I
NE130	NE930	5505

Our records show we have more plans than those shown above which could affect the enquiry boundary.

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

Distance to site remediation (m)	Direction
47.8	North-East
45.2	North-East

See Section 4 for further information.

Coal mining subsidence

There are 1 claim(s) within 50 metres of the property boundary that do not match the property address. These are shown on the enquiry boundary plot.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

If further subsidence damage claims information is required, please visit www.groundstability.com.

See Section 4 for further information.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices

The property is in an area where notices to withdraw support were given in 1947, 1950, 1973, 1976, 1978 and 1982.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

Remediated sites

The site is within an area of previous interest. It is close to where the Coal Authority has investigated and where necessary remediated mine entries and/or shallow coal mine workings following specific reported hazards.

The site requires further investigation and may influence your risk assessment. We recommend that you order the Coal Authority **Surface Hazards Incident Report**, which will include more information about the hazard.

Coal mining subsidence

The site is within an area of previous interest. It is close to where the Coal Authority or licensed mine operator has investigated and where necessary remediated issues relating to coal mining subsidence.

The site requires further investigation and may influence your risk assessment. We recommend that you order the appropriate **Coal Authority Subsidence Claims Report**, which will include more information about the hazard.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

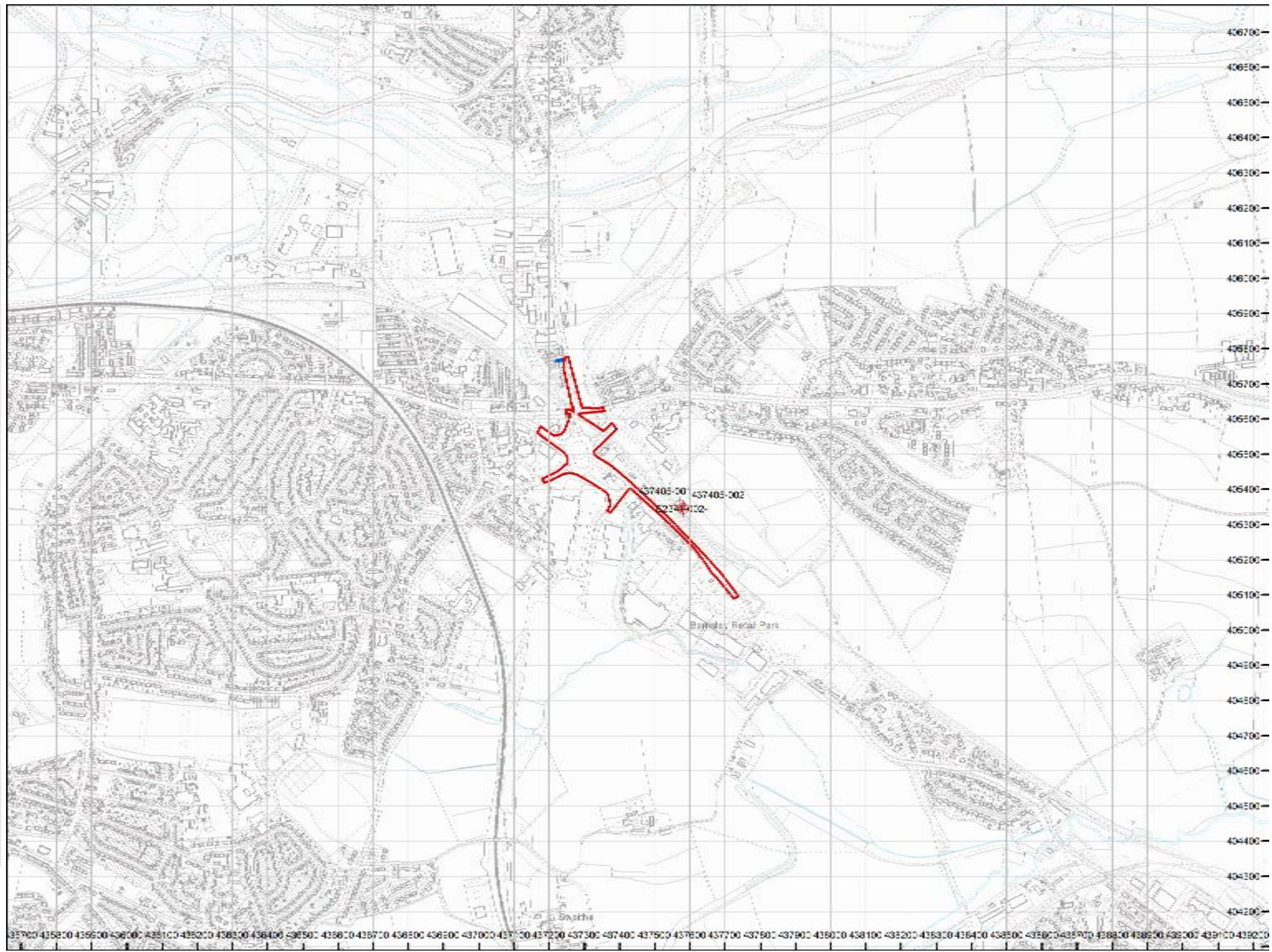
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

- Approximate position of the enquiry boundary shown 
- Disused mine shaft 
- Remediated sites 
- Coal claim 

How to contact us
0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com



APPENDIX D - GROUNDSURE REPORT

STAIRFOOT ROUNDABOUT, BARNSELEY, S70 3PE

Order Details

Date: 17/05/2023
Your ref: 151134-4147
Our Ref: GS-M9T-UOP-JTX-PSD

Site Details

Location: 437288 405500
Area: 3.93 ha
Authority: [Barnsley Metropolitan Borough Council](#) ↗



Summary of findings

[p. 2 >](#)

Aerial image

[p. 8 >](#)

OS MasterMap site plan

[p.13 >](#)

groundsure.com/insightuserguide ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	29	36	71	79	-
22 >	1.2 >	Historical tanks >	0	4	24	10	-
24 >	1.3 >	Historical energy features >	0	6	10	13	-
25 >	1.4 >	Historical petrol stations >	0	0	0	0	-
26 >	1.5 >	Historical garages >	1	7	1	6	-
27 >	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
28 >	2.1 >	Historical industrial land uses >	39	48	96	111	-
39 >	2.2 >	Historical tanks >	0	7	28	17	-
41 >	2.3 >	Historical energy features >	0	12	23	20	-
43 >	2.4 >	Historical petrol stations >	0	0	0	0	-
44 >	2.5 >	Historical garages >	1	10	1	8	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
45 >	3.1 >	Active or recent landfill >	0	0	1	0	-
46 >	3.2 >	Historical landfill (BGS records) >	0	1	0	0	-
46 >	3.3 >	Historical landfill (LA/mapping records) >	0	2	0	1	-
46 >	3.4 >	Historical landfill (EA/NRW records) >	0	3	6	3	-
49 >	3.5 >	Historical waste sites >	2	0	1	9	-
51 >	3.6 >	Licensed waste sites >	0	1	4	7	-
55 >	3.7 >	Waste exemptions >	0	12	4	7	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
57 >	4.1 >	Recent industrial land uses >	1	17	33	-	-
61 >	4.2 >	Current or recent petrol stations >	0	1	0	0	-
61 >	4.3 >	Electricity cables >	0	0	0	0	-
61 >	4.4 >	Gas pipelines >	0	0	0	0	-
61 >	4.5 >	Sites determined as Contaminated Land >	0	0	0	0	-



62	>	4.6	>	Control of Major Accident Hazards (COMAH)	>	0	0	0	0	-
62	>	4.7	>	Regulated explosive sites	>	0	0	0	0	-
62	>	4.8	>	Hazardous substance storage/usage	>	0	0	0	0	-
62	>	4.9	>	Historical licensed industrial activities (IPC)	>	0	0	0	0	-
62	>	4.10	>	Licensed industrial activities (Part A(1))	>	0	0	0	3	-
63	>	4.11	>	Licensed pollutant release (Part A(2)/B)	>	0	7	4	4	-
65	>	4.12	>	Radioactive Substance Authorisations	>	0	0	0	0	-
65	>	4.13	>	Licensed Discharges to controlled waters	>	0	1	8	14	-
69	>	4.14	>	Pollutant release to surface waters (Red List)	>	0	0	0	0	-
69	>	4.15	>	Pollutant release to public sewer	>	0	0	0	0	-
69	>	4.16	>	List 1 Dangerous Substances	>	0	0	1	0	-
70	>	4.17	>	List 2 Dangerous Substances	>	0	0	1	0	-
70	>	4.18	>	Pollution Incidents (EA/NRW)	>	0	0	12	3	-
72	>	4.19	>	Pollution inventory substances	>	0	0	0	0	-
72	>	4.20	>	Pollution inventory waste transfers	>	0	0	0	1	-
74	>	4.21	>	Pollution inventory radioactive waste	>	0	0	0	0	-
Page	Section	Hydrogeology				On site	0-50m	50-250m	250-500m	500-2000m
75	>	5.1	>	Superficial aquifer	>	Identified (within 500m)				
77	>	5.2	>	Bedrock aquifer	>	Identified (within 500m)				
79	>	5.3	>	Groundwater vulnerability	>	Identified (within 50m)				
80	>	5.4	>	Groundwater vulnerability- soluble rock risk	>	None (within 0m)				
80	>	5.5	>	Groundwater vulnerability- local information	>	None (within 0m)				
81	>	5.6	>	Groundwater abstractions	>	0	0	0	2	4
83	>	5.7	>	Surface water abstractions	>	0	0	0	0	5
84	>	5.8	>	Potable abstractions	>	0	0	0	0	0
85	>	5.9	>	Source Protection Zones	>	0	0	0	0	-
85	>	5.10	>	Source Protection Zones (confined aquifer)	>	0	0	0	0	-
Page	Section	Hydrology				On site	0-50m	50-250m	250-500m	500-2000m
86	>	6.1	>	Water Network (OS MasterMap)	>	1	1	10	-	-



88 >	6.2 >	Surface water features >	0	1	4	-	-
88 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
88 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
89 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
90 >	7.1 >	Risk of flooding from rivers and the sea >	None (within 50m)				
91 >	7.2 >	Historical Flood Events >	0	0	2	-	-
91 >	7.3 >	Flood Defences >	0	0	0	-	-
91 >	7.4 >	Areas Benefiting from Flood Defences >	0	0	0	-	-
92 >	7.5 >	Flood Storage Areas >	0	0	0	-	-
93 >	7.6 >	Flood Zone 2 >	None (within 50m)				
93 >	7.7 >	Flood Zone 3 >	None (within 50m)				
Page	Section	Surface water flooding >					
94 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
96 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
97 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	1	1
98 >	10.2 >	Conserved wetland sites (Ramsar sites) >	0	0	0	0	0
98 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	0
98 >	10.4 >	Special Protection Areas (SPA) >	0	0	0	0	0
98 >	10.5 >	National Nature Reserves (NNR) >	0	0	0	0	0
99 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
99 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	7
100 >	10.8 >	Biosphere Reserves >	0	0	0	0	0
100 >	10.9 >	Forest Parks >	0	0	0	0	0
100 >	10.10 >	Marine Conservation Zones >	0	0	0	0	0
100 >	10.11 >	Green Belt >	1	0	0	0	1
101 >	10.12 >	Proposed Ramsar sites >	0	0	0	0	0



101 >	10.13 >	Possible Special Areas of Conservation (pSAC) >	0	0	0	0	0
101 >	10.14 >	Potential Special Protection Areas (pSPA) >	0	0	0	0	0
101 >	10.15 >	Nitrate Sensitive Areas >	0	0	0	0	0
102 >	10.16 >	Nitrate Vulnerable Zones >	1	0	1	0	0
103 >	10.17 >	SSSI Impact Risk Zones >	2	-	-	-	-
104 >	10.18 >	SSSI Units >	0	0	0	1	1
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
106 >	11.1 >	World Heritage Sites >	0	0	0	-	-
106 >	11.2 >	Area of Outstanding Natural Beauty >	0	0	0	-	-
106 >	11.3 >	National Parks >	0	0	0	-	-
106 >	11.4 >	Listed Buildings >	0	0	0	-	-
107 >	11.5 >	Conservation Areas >	0	0	0	-	-
107 >	11.6 >	Scheduled Ancient Monuments >	0	0	0	-	-
107 >	11.7 >	Registered Parks and Gardens >	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
108 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
109 >	12.2 >	Open Access Land >	0	0	0	-	-
109 >	12.3 >	Tree Felling Licences >	0	0	6	-	-
109 >	12.4 >	Environmental Stewardship Schemes >	0	0	0	-	-
110 >	12.5 >	Countryside Stewardship Schemes >	0	0	1	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
111 >	13.1 >	Priority Habitat Inventory >	2	5	6	-	-
112 >	13.2 >	Habitat Networks >	0	0	0	-	-
112 >	13.3 >	Open Mosaic Habitat >	0	0	2	-	-
113 >	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
114 >	14.1 >	10k Availability >	Identified (within 500m)				
115 >	14.2 >	Artificial and made ground (10k) >	4	2	10	11	-
117 >	14.3 >	Superficial geology (10k) >	1	1	1	2	-

118 >	14.4 >	Landslip (10k) >	0	0	0	0	-
119 >	14.5 >	Bedrock geology (10k) >	1	1	5	10	-
120 >	14.6 >	Bedrock faults and other linear features (10k) >	0	1	2	10	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
122 >	15.1 >	50k Availability >	Identified (within 500m)				
123 >	15.2 >	Artificial and made ground (50k) >	0	1	3	2	-
124 >	15.3 >	Artificial ground permeability (50k) >	0	1	-	-	-
125 >	15.4 >	Superficial geology (50k) >	1	0	0	1	-
126 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
126 >	15.6 >	Landslip (50k) >	0	0	0	0	-
126 >	15.7 >	Landslip permeability (50k) >	None (within 50m)				
127 >	15.8 >	Bedrock geology (50k) >	1	0	4	9	-
128 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
129 >	15.10 >	Bedrock faults and other linear features (50k) >	0	1	2	7	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
130 >	16.1 >	BGS Boreholes >	1	2	6	-	-
Page	Section	Natural ground subsidence >					
132 >	17.1 >	Shrink swell clays >	Low (within 50m)				
134 >	17.2 >	Running sands >	Low (within 50m)				
136 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
138 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
140 >	17.5 >	Landslides >	Low (within 50m)				
142 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities >	On site	0-50m	50-250m	250-500m	500-2000m
144 >	18.1 >	Natural cavities >	0	0	0	0	-
145 >	18.2 >	BritPits >	0	1	4	4	-
146 >	18.3 >	Surface ground workings >	23	10	66	-	-
150 >	18.4 >	Underground workings >	1	1	0	3	17
151 >	18.5 >	Historical Mineral Planning Areas >	1	1	2	0	-



152 >	18.6 >	Non-coal mining >	2	1	3	2	3
153 >	18.7 >	Mining cavities >	0	0	1	0	0
154 >	18.8 >	JPB mining areas >	None (within 0m)				
154 >	18.9 >	Coal mining >	Identified (within 0m)				
154 >	18.10 >	Brine areas >	None (within 0m)				
154 >	18.11 >	Gypsum areas >	None (within 0m)				
154 >	18.12 >	Tin mining >	None (within 0m)				
155 >	18.13 >	Clay mining >	None (within 0m)				
Page	Section	Radon >					
156 >	19.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
158 >	20.1 >	BGS Estimated Background Soil Chemistry >	5	3	-	-	-
159 >	20.2 >	BGS Estimated Urban Soil Chemistry >	0	0	-	-	-
159 >	20.3 >	BGS Measured Urban Soil Chemistry >	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
160 >	21.1 >	Underground railways (London) >	0	0	0	-	-
160 >	21.2 >	Underground railways (Non-London) >	0	0	0	-	-
161 >	21.3 >	Railway tunnels >	0	0	0	-	-
161 >	21.4 >	Historical railway and tunnel features >	21	28	31	-	-
164 >	21.5 >	Royal Mail tunnels >	0	0	0	-	-
164 >	21.6 >	Historical railways >	6	9	2	-	-
165 >	21.7 >	Railways >	0	0	0	-	-
165 >	21.8 >	Crossrail 1 >	0	0	0	0	-
165 >	21.9 >	Crossrail 2 >	0	0	0	0	-
166 >	21.10 >	HS2 >	0	0	2	0	-

Recent aerial photograph



Capture Date: 19/04/2021

Site Area: 3.93ha



Recent site history - 2018 aerial photograph



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Capture Date: 01/07/2018

Site Area: 3.93ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 3.93ha



Recent site history - 2009 aerial photograph



Capture Date: 11/09/2009

Site Area: 3.93ha



Recent site history - 1999 aerial photograph



Capture Date: 10/07/1999

Site Area: 3.93ha



OS MasterMap site plan



Site Area: 3.93ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

215

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 14 >](#)

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Ground Workings	1948	1414452



ID	Location	Land use	Dates present	Group ID
2	On site	Bleach and Dye works	1850	1409670
3	On site	Tan Yard	1850	1411705
4	On site	Railway Sidings	1890	1458655
5	On site	Railway Sidings	1904	1479013
6	On site	Unspecified Works	1974 - 1992	1484703
A	On site	Unspecified Heap	1948	1417705
A	On site	Railway Building	1951	1430521
A	On site	Railway Station	1890	1468104
A	On site	Railway Station	1948	1480758
A	On site	Railway Station	1938	1503845
A	On site	Railway Station	1904	1503770
A	On site	Railway Station	1951	1506173
A	On site	Railway Station	1966	1554367
B	On site	Unspecified Works	1966	1438981
B	On site	Chemical Plant	1948 - 1951	1491039
B	On site	Colliery	1904	1522430
C	On site	Railway Sidings	1951	1457989
C	On site	Railway Sidings	1951	1457990
C	On site	Disused Canal	1966	1469588
D	On site	Unspecified Works	1974	1459241
E	On site	Railway Sidings	1948	1462288
E	On site	Railway Sidings	1931 - 1938	1524667
F	On site	Brick Works	1931 - 1938	1468111
F	On site	Brick Works	1948	1508075
G	On site	Garage	1974 - 1992	1488606
H	On site	Railway Sidings	1904 - 1948	1499321
H	On site	Railway Sidings	1966	1549333
I	On site	Railway Sidings	1982	1540369



ID	Location	Land use	Dates present	Group ID
A	0m N	Unspecified Ground Workings	1904	1414453
G	2m SE	Flint Glass Works	1931 - 1938	1469132
G	3m SE	Flint Glass Works	1951	1547310
G	3m SE	Flint Glass Works	1938	1515350
A	4m N	Railway Buildings	1904	1462086
A	4m N	Railway Buildings	1951	1484912
D	4m W	Unspecified Works	1982 - 1992	1504652
K	5m SE	Railway Building	1938	1460737
G	5m SE	Glass Works	1948	1411695
A	7m N	Railway Building	1974	1430522
K	8m SE	Railway Building	1951	1493149
L	8m NW	Unspecified Works	1982 - 1992	1484591
K	9m SE	Railway Buildings	1966	1442386
K	9m SE	Railway Building	1974	1520487
F	11m SE	Unspecified Works	1992	1545355
F	12m SE	Unspecified Works	1977 - 1987	1482419
F	12m SE	Unspecified Works	1966	1492019
F	12m SE	Brick Works	1951	1463449
M	14m S	Unspecified Warehouses	1974	1424434
M	14m S	Unspecified Warehouse	1982 - 1992	1549053
N	14m NW	Railway Sidings	1948	1513360
B	15m SE	Colliery	1890	1471424
F	15m SE	Railway Sidings	1974	1461577
B	17m SE	Chemical Plant	1931 - 1938	1545244
O	17m NW	Unspecified Factory	1974 - 1992	1498742
A	20m N	Railway Building	1904	1552542
A	22m N	Railway Station	1931 - 1938	1513412
A	23m N	Railway Building	1938	1546841



ID	Location	Land use	Dates present	Group ID
A	24m N	Railway Building	1948	1492663
B	24m SE	Chemical Plant	1938	1498483
N	25m NW	Railway Sidings	1938	1466525
N	25m NW	Railway Sidings	1904	1477479
L	27m W	Unspecified Foundry	1974	1421020
F	31m SE	Clay Pit	1992	1436298
Q	39m SE	Garage	1987	1457802
F	49m SE	Railway Sidings	1931 - 1938	1524668
8	52m N	Railway Building	1966	1430523
R	59m N	Railway Buildings	1948	1464484
F	61m SE	Railway Building	1904	1430516
R	61m N	Railway Buildings	1938	1526918
M	62m SW	Unspecified Heap	1931 - 1938	1535021
R	62m N	Railway Buildings	1951	1506575
B	65m SE	Refuse Heap	1948	1556137
S	68m N	Unspecified Works	1974 - 1992	1515869
S	69m N	Unspecified Works	1966	1547064
B	70m SE	Refuse Heap	1938	1520413
B	71m SE	Unspecified Ground Workings and Heaps	1931 - 1938	1516634
B	73m SE	Refuse Heap	1951	1519578
B	74m SE	Unspecified Ground Workings	1938	1551476
B	75m SE	Unspecified Heap	1948	1417704
B	80m SE	Unspecified Ground Workings	1951	1547210
F	89m SE	Brick Works	1904	1466945
B	92m SE	Unspecified Pits	1904	1423389
R	98m N	Railway Building	1948	1430520
9	101m W	Nursery	1966 - 1974	1518051
C	101m NW	Unspecified Works	1966	1544092



ID	Location	Land use	Dates present	Group ID
B	102m SE	Unspecified Tank	1951	1435149
B	107m SE	Unspecified Tanks	1966	1426414
U	109m E	Clay Pit	1982 - 1992	1551768
U	112m E	Unspecified Quarry	1966	1428060
U	112m E	Unspecified Disused Pit	1974	1431755
F	112m SE	Disused Workings	1987	1426485
C	114m NW	Refuse Heap	1904	1438043
C	119m NW	Unspecified Commercial/Industrial	1948 - 1951	1535751
V	120m E	Unspecified Pit	1948	1513833
10	121m E	Clay Pit	1951	1534296
F	123m SE	Unspecified Works	1982	1500734
F	126m SE	Railway Building	1904	1430515
F	128m SE	Unspecified Works	1966	1492039
F	128m SE	Unspecified Pit	1951	1507153
F	131m SE	Railway Building	1951	1430517
F	131m SE	Unspecified Pit	1904	1493165
F	135m SE	Unspecified Tank	1904	1435148
F	136m SE	Unspecified Ground Workings	1948	1414451
F	138m SE	Unspecified Pit	1931 - 1938	1546839
W	147m NW	Railway Sidings	1948	1530692
C	149m NW	Railway Sidings	1948	1465684
H	152m E	Unspecified Heap	1982 - 1992	1525591
F	153m SE	Refuse Heap	1974	1438073
V	154m SE	Tramway Sidings	1951	1430903
F	158m SE	Unspecified Disused Pit	1977	1431773
F	158m SE	Unspecified Pit	1966	1548421
C	161m NW	Railway Sidings	1904	1461576
W	170m NW	Railway Sidings	1890	1556903



ID	Location	Land use	Dates present	Group ID
X	182m NE	Police Station	1931 - 1951	1469199
X	182m NE	Police Station	1938	1501498
11	183m SE	Disused Canal	1987	1478189
Y	183m SE	Clay Pit	1951	1514463
F	184m SE	Unspecified Disused Pit	1987	1518223
12	190m SE	Cuttings	1951	1410382
C	190m NW	Unspecified Works	1974 - 1992	1512685
X	191m NE	Police Station	1966	1554544
Z	193m NW	Unspecified Heap	1904	1417707
F	197m SE	Unspecified Pit	1948	1530098
F	197m SE	Unspecified Pit	1931 - 1938	1544951
C	198m NW	Disused Glass Works	1938	1465052
C	198m NW	Glass Works	1904	1550972
F	203m SE	Unspecified Pit	1966	1532347
F	208m SE	Unspecified Ground Workings	1951	1414450
15	209m SE	Disused Canal	1951	1541027
Y	216m SE	Unspecified Disused Pit	1982 - 1992	1460834
AA	219m N	Pumping Station	1982	1431533
F	226m SE	Unspecified Pit	1966	1551551
C	230m NW	Railway Building	1904	1466219
F	236m SE	Unspecified Heap	1966	1417703
C	246m NW	Glass Works	1890	1536592
16	250m S	Cuttings	1951	1410381
C	254m NW	Railway Building	1938	1528987
AB	260m SE	Cuttings	1938	1469381
AB	262m SE	Cuttings	1890	1540990
Z	270m NW	Unspecified Pump	1850	1456736
AC	270m W	Unspecified Commercial/Industrial	1982	1411023



ID	Location	Land use	Dates present	Group ID
AC	270m W	Unspecified Mill	1974	1421687
AD	270m SE	Railway Station	1931 - 1938	1546090
Z	278m NW	Unspecified Works	1974 - 1992	1473560
Y	279m E	Unspecified Quarry	1966	1428061
C	279m NW	Railway Building	1904	1430525
17	280m N	Unspecified Works	1974 - 1992	1519054
AE	286m N	Unspecified Heap	1948 - 1951	1470564
AE	287m N	Unspecified Ground Workings	1931 - 1938	1467720
AE	289m N	Refuse Heap	1904	1438070
AD	290m SE	Cuttings	1966 - 1977	1483721
AC	293m W	Unspecified Mill	1966	1421686
19	293m N	Railway Building	1966	1430519
C	298m NW	Railway Building	1948	1430511
Y	304m E	Unspecified Disused Pit	1974	1431772
C	311m NW	Unspecified Works	1992	1438957
C	311m NW	Unspecified Tank	1890	1435147
AD	312m SE	Cuttings	1951	1494043
AG	315m SE	Cuttings	1966 - 1977	1532697
AH	316m NW	Mineral Railway Sidings	1966	1443078
AH	316m NW	Unspecified Mine	1966	1455615
AH	316m NW	Railway Sidings	1974	1508162
AH	316m NW	Colliery	1974	1555890
C	316m NW	Disused Glass Works	1951	1465566
AD	322m SE	Cuttings	1951	1488032
22	334m N	Unspecified Ground Workings	1890	1488795
AF	335m NW	Garage	1982 - 1992	1494587
23	338m NW	Railway Sidings	1938 - 1948	1459695
C	338m NW	Railway Sidings	1904	1461575



ID	Location	Land use	Dates present	Group ID
24	343m SE	Cuttings	1966 - 1987	1542339
AH	348m NW	Colliery	1982	1555206
AG	351m SE	Railway Sidings	1951	1491195
C	353m NW	Disused Glass Works	1948	1522005
AG	356m SE	Cuttings	1948 - 1951	1536300
AG	357m SE	Cuttings	1904	1473078
C	371m NW	Unspecified Heap	1974	1417706
AG	371m SE	Cuttings	1931 - 1938	1473088
C	380m NW	Unspecified Works	1992	1459941
AI	383m SE	Cuttings	1904	1498084
AI	383m SE	Cuttings	1948 - 1951	1512579
C	388m NW	Unspecified Works	1966	1475816
AI	405m SE	Cuttings	1931 - 1938	1504234
C	408m NW	Refuse Heap	1974	1438042
C	414m NW	Unspecified Works	1974 - 1982	1541597
26	421m E	Nursery	1890	1440124
AM	427m SW	Cuttings	1977 - 1987	1480376
AM	427m SW	Cuttings	1966	1480472
AN	428m NW	Gasometers	1904	1418516
AM	434m SW	Cuttings	1987	1471496
AM	434m SW	Cuttings	1977	1512551
AM	434m SW	Cuttings	1966	1556893
AO	436m SW	Cemetery	1938 - 1948	1504066
AM	438m SW	Cuttings	1948 - 1951	1515459
AO	438m SW	Cemetery	1904	1460836
AM	439m SW	Cuttings	1938	1471659
AM	439m SW	Cuttings	1904	1513844
AO	443m SW	Cemetery	1966	1524218



ID	Location	Land use	Dates present	Group ID
AO	443m SW	Cemetery	1977 - 1987	1545054
AM	447m SW	Cemetery	1890	1541876
28	448m NW	Cuttings	1850	1410341
AQ	450m N	Sewage Farm	1938	1474682
AQ	452m N	Sewage Farm	1948	1474186
AQ	452m N	Sewage Farm	1904	1483917
29	458m SE	Disused Canal	1951	1460291
30	462m NW	Railway Sidings	1938 - 1948	1544708
31	465m N	Sewage Farm	1904	1551004
AQ	465m N	Sewage Farm	1951	1470970
AR	468m N	Sewage Farm	1938 - 1948	1479247
AR	472m N	Sewage Farm	1951	1479113
32	473m NW	Refuse Heap	1982	1550988
33	473m N	Unspecified Pit	1966 - 1974	1517677
34	476m NW	Railway Sidings	1938 - 1982	1542854
35	487m NW	Unspecified Heap	1974	1537625
AM	489m SW	Cuttings	1948 - 1951	1506119
36	500m NW	Unspecified Heap	1992	1417714

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

38

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 14 >](#)



ID	Location	Land use	Dates present	Group ID
B	33m SE	Tanks	1931	232650
B	35m SE	Tanks	1960	247936
7	42m SE	Unspecified Tank	1893 - 1906	242754
F	43m SE	Unspecified Tank	1983	239634
B	55m SE	Tanks	1960	239885
B	55m SE	Unspecified Tank	1893 - 1906	243803
B	56m SE	Tanks	1960	239189
B	64m SE	Unspecified Tank	1960	248247
B	65m SE	Unspecified Tank	1960	237084
B	79m E	Tanks	1931	232652
B	86m E	Tanks	1931	232651
F	88m SE	Unspecified Tank	1963	237934
F	90m SE	Unspecified Tank	1983	233450
F	90m SE	Unspecified Tank	1983	233451
F	90m SE	Unspecified Tank	-	222624
F	91m SE	Unspecified Tank	1962	233449
B	99m E	Unspecified Tank	1931	228981
B	107m SE	Tanks	1960	232649
B	107m SE	Unspecified Tank	1960	228976
B	107m SE	Unspecified Tank	1960	228977
B	108m E	Unspecified Tank	1960	236029
B	108m E	Unspecified Tank	1960	236272
B	109m SE	Unspecified Tank	1960	228978
F	139m SE	Unspecified Tank	1906	228975
F	153m SE	Unspecified Tank	-	222523
F	154m SE	Unspecified Tank	1962	228974
14	204m S	Unspecified Tank	1982 - 1990	243040
AA	226m N	Unspecified Tank	1995	228982



ID	Location	Land use	Dates present	Group ID
C	316m NW	Unspecified Tank	1892 - 1906	236768
25	373m N	Unspecified Tank	1972 - 1995	235306
C	384m NW	Unspecified Tank	1892	228983
C	417m NW	Unspecified Tank	1892 - 1906	250236
AN	434m NW	Gasometers	1906	229948
C	454m NW	Tanks	1892 - 1906	238577
C	484m NW	Tanks	1997	232723
C	491m NW	Tanks	1983 - 1997	250028
C	495m NW	Tanks	1983 - 1997	247398
C	495m NW	Tanks	1997	232722

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	29
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
J	0m SE	Gas Governor	1995	131955
J	1m SE	Electricity Substation	1995	131156
I	4m SE	Electricity Substation	1990 - 1995	135727
G	5m S	Electricity Substation	1972 - 1990	146528
P	26m NW	Electricity Substation	1973 - 1990	136489
P	32m NW	Electricity Substation	1993	139736
O	61m W	Electricity Substation	1982 - 1993	139258
O	61m W	Electricity Substation	1973	145888



ID	Location	Land use	Dates present	Group ID
T	81m E	Electricity Substation	1983 - 1990	136637
T	81m E	Electricity Substation	1995	141690
F	161m SE	Electricity Substation	-	128789
F	161m SE	Electricity Substation	1962 - 1995	139486
X	189m NE	Electricity Substation	1967	142681
X	190m NE	Electricity Substation	1992	139697
F	198m SE	Electricity Substation	1990 - 1995	139522
13	199m N	Electricity Substation	1973 - 1993	142758
18	287m N	Electricity Substation	1972 - 1995	142618
AC	294m W	Electricity Substation	1974 - 1997	146231
20	304m SW	Electricity Substation	1973 - 1993	142364
21	316m N	Electricity Substation	1995	131108
AK	394m E	Electricity Substation	1981 - 1993	146977
AK	394m E	Electricity Substation	1966	138386
AL	404m E	Electricity Substation	1966	134977
AL	421m E	Electricity Substation	1981 - 1993	141726
27	431m NW	Electricity Substation	1983	131110
AN	434m NW	Gasometers	1906	131685
AP	447m E	Electricity Substation	1967	133548
AP	452m E	Electricity Substation	1992	132615
AP	452m E	Electricity Substation	1992	133697

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

15

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

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
G	On site	Garage	1972	44174
G	0m SE	Garage	1982 - 1990	44604
G	1m SE	Garage	1982 - 1990	45724
G	21m SE	Garage	1972	42595
Q	34m SE	Garage	1995	45842
Q	34m SE	Garage	-	41051
Q	42m SE	Garage	1963	41646
Q	42m SE	Garage	1962	43892
Q	105m SE	Garage	1961	43225
AF	291m NW	Garage	1987	42566
AF	323m NW	Garage	1974 - 1997	44976
AJ	390m W	Garage	1974 - 1997	44703
AJ	391m W	Garage	1987	41647
AJ	399m W	Garage	1960	42958
AJ	399m W	Garage	1961	42154

This data is sourced from Ordnance Survey / Groundsure.



1.6 Historical military land

Records within 500m

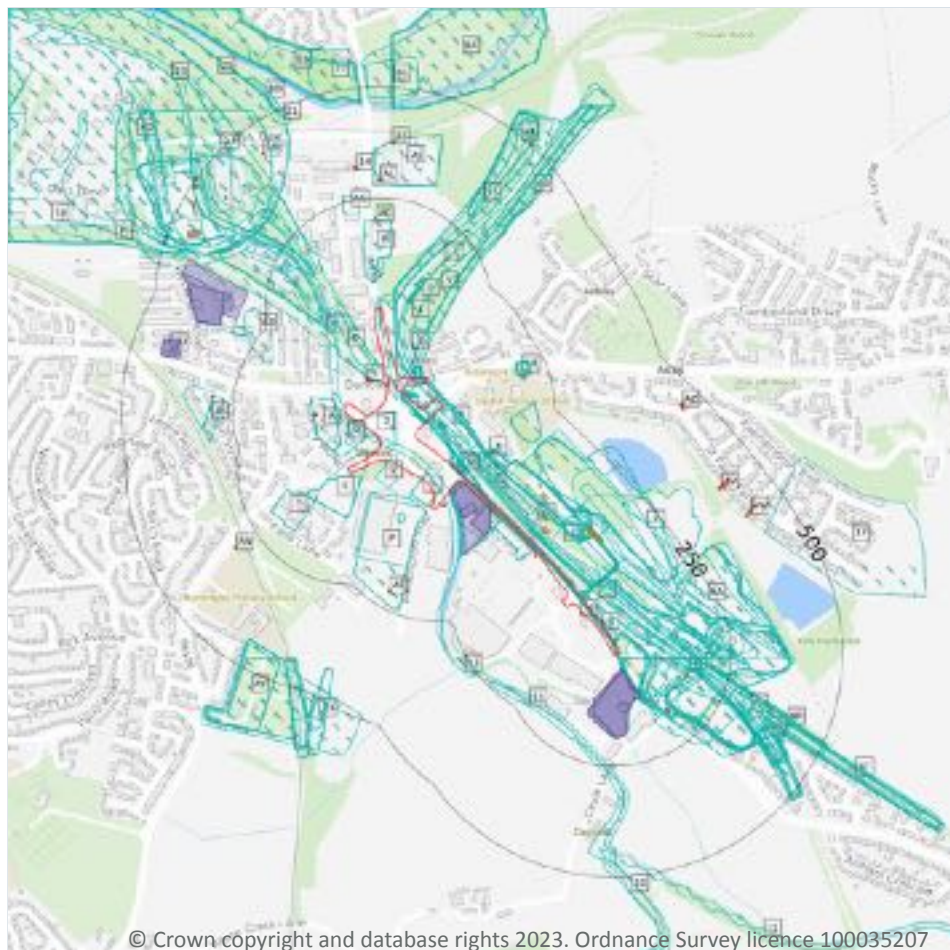
0

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
- Historical garages

2.1 Historical industrial land uses

Records within 500m

294

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 28](#) >

ID	Location	Land Use	Date	Group ID
1	On site	Bleach and Dye works	1850	1409670
2	On site	Tan Yard	1850	1411705
3	On site	Unspecified Ground Workings	1948	1414452



ID	Location	Land Use	Date	Group ID
4	On site	Railway Sidings	1904	1479013
5	On site	Railway Sidings	1890	1458655
6	On site	Railway Sidings	1938	1499321
A	On site	Disused Canal	1966	1469588
A	On site	Railway Sidings	1951	1457989
B	On site	Railway Sidings	1938	1499321
B	On site	Railway Sidings	1931	1499321
C	On site	Railway Sidings	1938	1524667
C	On site	Railway Sidings	1931	1524667
C	On site	Railway Sidings	1948	1462288
D	On site	Brick Works	1938	1468111
D	On site	Brick Works	1931	1468111
D	On site	Brick Works	1948	1508075
D	On site	Brick Works	1938	1468111
D	On site	Brick Works	1938	1468111
E	On site	Railway Sidings	1948	1499321
F	On site	Unspecified Heap	1948	1417705
F	On site	Railway Station	1948	1480758
F	On site	Railway Station	1904	1503770
F	On site	Railway Station	1890	1468104
F	On site	Railway Station	1966	1554367
F	On site	Railway Station	1951	1506173
F	On site	Railway Building	1951	1430521
F	On site	Railway Station	1938	1503845
G	On site	Chemical Plant	1948	1491039
G	On site	Colliery	1904	1522430
G	On site	Unspecified Works	1966	1438981
H	On site	Unspecified Works	1992	1484703



ID	Location	Land Use	Date	Group ID
H	On site	Unspecified Works	1982	1484703
H	On site	Unspecified Works	1974	1484703
I	On site	Garage	1992	1488606
I	On site	Garage	1982	1488606
I	On site	Garage	1974	1488606
J	On site	Railway Sidings	1982	1540369
K	On site	Unspecified Works	1974	1459241
L	On site	Railway Sidings	1966	1549333
F	0m N	Unspecified Ground Workings	1904	1414453
I	2m SE	Flint Glass Works	1938	1469132
I	2m SE	Flint Glass Works	1931	1469132
I	3m SE	Flint Glass Works	1951	1547310
I	3m SE	Flint Glass Works	1938	1515350
F	4m N	Railway Buildings	1904	1462086
F	4m N	Railway Buildings	1951	1484912
K	4m W	Unspecified Works	1992	1504652
K	4m W	Unspecified Works	1982	1504652
7	5m N	Railway Sidings	1904	1499321
N	5m SE	Railway Building	1938	1460737
I	5m SE	Glass Works	1948	1411695
F	7m N	Railway Building	1974	1430522
N	8m SE	Railway Building	1951	1493149
O	8m NW	Unspecified Works	1992	1484591
O	8m NW	Unspecified Works	1982	1484591
N	9m SE	Railway Building	1974	1520487
N	9m SE	Railway Buildings	1966	1442386
D	11m SE	Unspecified Works	1992	1545355
D	12m SE	Unspecified Works	1966	1492019



ID	Location	Land Use	Date	Group ID
D	12m SE	Unspecified Works	1977	1482419
D	12m SE	Unspecified Works	1987	1482419
D	12m SE	Brick Works	1951	1463449
P	14m S	Unspecified Warehouse	1992	1549053
P	14m S	Unspecified Warehouse	1982	1549053
P	14m S	Unspecified Warehouses	1974	1424434
Q	14m NW	Railway Sidings	1948	1513360
G	15m SE	Colliery	1890	1471424
D	15m SE	Railway Sidings	1974	1461577
G	17m SE	Chemical Plant	1938	1545244
G	17m SE	Chemical Plant	1931	1545244
R	17m NW	Unspecified Factory	1974	1498742
R	17m NW	Unspecified Factory	1992	1498742
R	17m NW	Unspecified Factory	1982	1498742
F	20m N	Railway Building	1904	1552542
F	22m N	Railway Station	1938	1513412
F	22m N	Railway Station	1931	1513412
F	23m N	Railway Building	1938	1546841
F	24m N	Railway Building	1948	1492663
G	24m SE	Chemical Plant	1938	1498483
Q	25m NW	Railway Sidings	1938	1466525
Q	25m NW	Railway Sidings	1904	1477479
O	27m W	Unspecified Foundry	1974	1421020
D	31m SE	Clay Pit	1992	1436298
G	31m SE	Chemical Plant	1951	1491039
T	39m SE	Garage	1987	1457802
D	49m SE	Railway Sidings	1938	1524668
D	49m SE	Railway Sidings	1931	1524668



ID	Location	Land Use	Date	Group ID
8	52m N	Railway Building	1966	1430523
E	59m N	Railway Buildings	1948	1464484
V	61m N	Railway Sidings	1938	1499321
V	61m N	Railway Sidings	1931	1499321
D	61m SE	Railway Building	1904	1430516
E	61m N	Railway Buildings	1938	1526918
P	62m SW	Unspecified Heap	1938	1535021
P	62m SW	Unspecified Heap	1931	1535021
E	62m N	Railway Buildings	1951	1506575
G	65m SE	Refuse Heap	1948	1556137
D	68m SE	Railway Sidings	1951	1457990
W	68m N	Unspecified Works	1992	1515869
W	68m N	Unspecified Works	1982	1515869
W	68m N	Unspecified Works	1974	1515869
W	69m N	Unspecified Works	1966	1547064
G	70m SE	Refuse Heap	1938	1520413
G	70m SE	Refuse Heap	1938	1520413
G	71m SE	Unspecified Ground Workings and Heaps	1938	1516634
G	71m SE	Unspecified Ground Workings and Heaps	1931	1516634
G	73m SE	Refuse Heap	1951	1519578
G	74m SE	Unspecified Ground Workings	1938	1551476
G	74m SE	Unspecified Ground Workings	1938	1551476
G	75m SE	Unspecified Heap	1948	1417704
G	80m SE	Unspecified Ground Workings	1951	1547210
D	89m SE	Brick Works	1904	1466945
G	92m SE	Unspecified Pits	1904	1423389
E	98m N	Railway Building	1948	1430520
Y	101m W	Nursery	1974	1518051



ID	Location	Land Use	Date	Group ID
Y	101m W	Nursery	1966	1518051
A	101m NW	Unspecified Works	1966	1544092
G	102m SE	Unspecified Tank	1951	1435149
G	107m SE	Unspecified Tanks	1966	1426414
Z	109m E	Clay Pit	1992	1551768
Z	109m E	Clay Pit	1982	1551768
Z	112m E	Unspecified Quarry	1966	1428060
Z	112m E	Unspecified Disused Pit	1974	1431755
D	112m SE	Disused Workings	1987	1426485
A	114m NW	Refuse Heap	1904	1438043
A	119m NW	Unspecified Commercial/Industrial	1948	1535751
AA	120m E	Unspecified Pit	1948	1513833
A	121m NW	Unspecified Commercial/Industrial	1951	1535751
9	121m E	Clay Pit	1951	1534296
D	123m SE	Unspecified Works	1982	1500734
D	126m SE	Railway Building	1904	1430515
D	128m SE	Unspecified Works	1966	1492039
D	128m SE	Unspecified Pit	1951	1507153
D	131m SE	Railway Building	1951	1430517
D	131m SE	Unspecified Pit	1904	1493165
D	135m SE	Unspecified Tank	1904	1435148
D	136m SE	Unspecified Ground Workings	1948	1414451
D	138m SE	Unspecified Pit	1938	1546839
D	138m SE	Unspecified Pit	1931	1546839
D	139m SE	Unspecified Pit	1938	1546839
D	139m SE	Unspecified Pit	1938	1546839
A	147m NW	Railway Sidings	1948	1530692
A	149m NW	Railway Sidings	1948	1465684



ID	Location	Land Use	Date	Group ID
L	152m E	Unspecified Heap	1992	1525591
L	152m E	Unspecified Heap	1982	1525591
D	153m SE	Refuse Heap	1974	1438073
AA	154m SE	Tramway Sidings	1951	1430903
D	158m SE	Unspecified Pit	1966	1548421
D	158m SE	Unspecified Disused Pit	1977	1431773
A	161m NW	Railway Sidings	1904	1461576
A	170m NW	Railway Sidings	1890	1556903
AB	182m NE	Police Station	1948	1469199
AB	182m NE	Police Station	1938	1501498
10	183m SE	Disused Canal	1987	1478189
AC	183m SE	Clay Pit	1951	1514463
D	184m SE	Unspecified Disused Pit	1987	1518223
AB	184m NE	Police Station	1951	1469199
AB	185m NE	Police Station	1938	1469199
AB	185m NE	Police Station	1931	1469199
11	190m SE	Cuttings	1951	1410382
A	190m NW	Unspecified Works	1992	1512685
A	190m NW	Unspecified Works	1982	1512685
A	190m NW	Unspecified Works	1974	1512685
AB	191m NE	Police Station	1966	1554544
AD	193m NW	Unspecified Heap	1904	1417707
D	197m SE	Unspecified Pit	1948	1530098
D	197m SE	Unspecified Pit	1938	1544951
D	197m SE	Unspecified Pit	1938	1544951
A	198m NW	Disused Glass Works	1938	1465052
A	198m NW	Glass Works	1904	1550972
D	198m SE	Unspecified Pit	1938	1544951



ID	Location	Land Use	Date	Group ID
D	198m SE	Unspecified Pit	1931	1544951
D	203m SE	Unspecified Pit	1966	1532347
D	208m SE	Unspecified Ground Workings	1951	1414450
12	209m SE	Disused Canal	1951	1541027
AC	216m SE	Unspecified Disused Pit	1992	1460834
AC	216m SE	Unspecified Disused Pit	1982	1460834
AG	219m N	Pumping Station	1982	1431533
D	226m SE	Unspecified Pit	1966	1551551
A	230m NW	Railway Building	1904	1466219
D	236m SE	Unspecified Heap	1966	1417703
A	246m NW	Glass Works	1890	1536592
13	250m S	Cuttings	1951	1410381
A	254m NW	Railway Building	1938	1528987
AH	260m SE	Cuttings	1938	1469381
AH	262m SE	Cuttings	1890	1540990
AD	270m NW	Unspecified Pump	1850	1456736
D	270m SE	Railway Station	1938	1546090
D	270m SE	Railway Station	1931	1546090
AI	270m W	Unspecified Commercial/Industrial	1982	1411023
AI	270m W	Unspecified Mill	1974	1421687
AD	278m NW	Unspecified Works	1992	1473560
AD	278m NW	Unspecified Works	1982	1473560
AD	278m NW	Unspecified Works	1974	1473560
AC	279m E	Unspecified Quarry	1966	1428061
A	279m NW	Railway Building	1904	1430525
AJ	280m N	Unspecified Works	1992	1519054
AJ	280m N	Unspecified Works	1982	1519054
AJ	280m N	Unspecified Works	1974	1519054



ID	Location	Land Use	Date	Group ID
AK	286m N	Unspecified Heap	1948	1470564
AK	287m N	Unspecified Ground Workings	1938	1467720
AK	287m N	Unspecified Ground Workings	1931	1467720
AK	289m N	Refuse Heap	1904	1438070
D	290m SE	Cuttings	1966	1483721
D	290m SE	Cuttings	1977	1483721
AK	292m N	Unspecified Heap	1951	1470564
AI	293m W	Unspecified Mill	1966	1421686
V	293m N	Railway Building	1966	1430519
A	298m NW	Railway Building	1948	1430511
AC	304m E	Unspecified Disused Pit	1974	1431772
A	311m NW	Unspecified Works	1992	1438957
A	311m NW	Unspecified Tank	1890	1435147
D	312m SE	Cuttings	1951	1494043
AO	313m N	Railway Sidings	1948	1499321
AP	315m SE	Cuttings	1966	1532697
AP	315m SE	Cuttings	1977	1532697
AQ	316m NW	Railway Sidings	1974	1508162
AQ	316m NW	Colliery	1974	1555890
AQ	316m NW	Mineral Railway Sidings	1966	1443078
AQ	316m NW	Unspecified Mine	1966	1455615
A	316m NW	Disused Glass Works	1951	1465566
D	322m SE	Cuttings	1951	1488032
AO	331m N	Railway Sidings	1938	1499321
AO	331m N	Railway Sidings	1931	1499321
15	334m N	Unspecified Ground Workings	1890	1488795
AM	335m NW	Garage	1992	1494587
AM	335m NW	Garage	1982	1494587



ID	Location	Land Use	Date	Group ID
A	338m NW	Railway Sidings	1938	1459695
A	338m NW	Railway Sidings	1904	1461575
AR	343m SE	Cuttings	1966	1542339
AR	343m SE	Cuttings	1977	1542339
AR	343m SE	Cuttings	1987	1542339
AQ	348m NW	Colliery	1982	1555206
AP	351m SE	Railway Sidings	1951	1491195
16	353m NW	Railway Sidings	1948	1459695
A	353m NW	Disused Glass Works	1948	1522005
AP	356m SE	Cuttings	1951	1536300
AP	357m SE	Cuttings	1948	1536300
AP	357m SE	Cuttings	1904	1473078
A	371m NW	Unspecified Heap	1974	1417706
AP	371m SE	Cuttings	1938	1473088
AP	371m SE	Cuttings	1931	1473088
A	380m NW	Unspecified Works	1992	1459941
AT	383m SE	Cuttings	1948	1512579
AT	383m SE	Cuttings	1904	1498084
AT	383m SE	Cuttings	1951	1512579
A	388m NW	Unspecified Works	1966	1475816
AT	405m SE	Cuttings	1938	1504234
AT	405m SE	Cuttings	1931	1504234
A	408m NW	Refuse Heap	1974	1438042
A	414m NW	Unspecified Works	1982	1541597
A	414m NW	Unspecified Works	1974	1541597
17	421m E	Nursery	1890	1440124
AX	427m SW	Cuttings	1966	1480472
AX	427m SW	Cuttings	1977	1480376



ID	Location	Land Use	Date	Group ID
AX	427m SW	Cuttings	1987	1480376
A	428m NW	Gasometers	1904	1418516
AX	434m SW	Cuttings	1966	1556893
AX	434m SW	Cuttings	1977	1512551
AX	434m SW	Cuttings	1987	1471496
AY	436m SW	Cemetery	1948	1504066
AX	438m SW	Cuttings	1948	1515459
AY	438m SW	Cemetery	1938	1504066
AY	438m SW	Cemetery	1904	1460836
AX	439m SW	Cuttings	1938	1471659
AX	439m SW	Cuttings	1904	1513844
AX	440m SW	Cuttings	1951	1515459
AY	443m SW	Cemetery	1966	1524218
AY	443m SW	Cemetery	1977	1545054
AY	443m SW	Cemetery	1987	1545054
AX	447m SW	Cemetery	1890	1541876
19	448m NW	Cuttings	1850	1410341
BA	450m N	Sewage Farm	1938	1474682
BA	450m N	Sewage Farm	1938	1474682
BA	452m N	Sewage Farm	1948	1474186
BA	452m N	Sewage Farm	1904	1483917
20	458m SE	Disused Canal	1951	1460291
21	462m NW	Railway Sidings	1948	1544708
22	465m N	Sewage Farm	1904	1551004
BA	465m N	Sewage Farm	1951	1470970
BB	468m N	Sewage Farm	1948	1479247
BB	472m N	Sewage Farm	1951	1479113
BB	473m N	Sewage Farm	1938	1479247



ID	Location	Land Use	Date	Group ID
BB	473m N	Sewage Farm	1938	1479247
23	473m NW	Refuse Heap	1982	1550988
BC	473m N	Unspecified Pit	1974	1517677
BC	473m N	Unspecified Pit	1966	1517677
AQ	476m NW	Railway Sidings	1982	1542854
24	487m NW	Unspecified Heap	1974	1537625
AX	489m SW	Cuttings	1951	1506119
AX	491m SW	Cuttings	1948	1506119
BD	492m NW	Railway Sidings	1948	1544708
BD	498m NW	Railway Sidings	1938	1544708
25	500m NW	Unspecified Heap	1992	1417714

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	52
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 28](#) >

ID	Location	Land Use	Date	Group ID
G	33m SE	Tanks	1931	232650
G	35m SE	Tanks	1960	247936
G	36m SE	Tanks	1960	247936
U	42m SE	Unspecified Tank	1893	242754
U	42m SE	Unspecified Tank	1906	242754
D	43m SE	Unspecified Tank	1983	239634
D	43m SE	Unspecified Tank	1983	239634
G	55m SE	Tanks	1960	239885
G	55m SE	Unspecified Tank	1893	243803



ID	Location	Land Use	Date	Group ID
G	55m SE	Unspecified Tank	1906	243803
G	55m SE	Tanks	1960	239885
G	56m SE	Tanks	1960	239189
G	56m SE	Tanks	1960	239189
G	64m SE	Unspecified Tank	1960	248247
G	65m SE	Unspecified Tank	1960	237084
G	79m E	Tanks	1931	232652
G	86m E	Tanks	1931	232651
D	88m SE	Unspecified Tank	1963	237934
D	90m SE	Unspecified Tank	1983	233450
D	90m SE	Unspecified Tank	1983	233451
D	90m SE	Unspecified Tank	-	222624
D	91m SE	Unspecified Tank	1962	233449
G	99m E	Unspecified Tank	1931	228981
G	107m SE	Tanks	1960	232649
G	107m SE	Unspecified Tank	1960	228976
G	107m SE	Unspecified Tank	1960	228977
G	108m E	Unspecified Tank	1960	236029
G	108m E	Unspecified Tank	1960	236272
G	109m SE	Unspecified Tank	1960	228978
D	139m SE	Unspecified Tank	1906	228975
D	153m SE	Unspecified Tank	-	222523
D	154m SE	Unspecified Tank	1962	228974
AF	204m S	Unspecified Tank	1982	243040
AF	204m S	Unspecified Tank	1990	243040
AG	226m N	Unspecified Tank	1995	228982
A	316m NW	Unspecified Tank	1892	236768
A	316m NW	Unspecified Tank	1906	236768



ID	Location	Land Use	Date	Group ID
AS	373m N	Unspecified Tank	1972	235306
AS	373m N	Unspecified Tank	1982	235306
AS	374m N	Unspecified Tank	1995	235306
A	384m NW	Unspecified Tank	1892	228983
A	417m NW	Unspecified Tank	1892	250236
A	417m NW	Unspecified Tank	1906	250236
A	434m NW	Gasometers	1906	229948
A	454m NW	Tanks	1892	238577
A	461m NW	Tanks	1906	238577
A	484m NW	Tanks	1997	232723
A	491m NW	Tanks	1983	250028
A	491m NW	Tanks	1997	250028
A	495m NW	Tanks	1983	247398
A	495m NW	Tanks	1997	247398
A	495m NW	Tanks	1997	232722

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

55

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 28 >](#)

ID	Location	Land Use	Date	Group ID
M	0m SE	Gas Governor	1995	131955
M	1m SE	Electricity Substation	1995	131156
J	4m SE	Electricity Substation	1995	135727
I	5m S	Electricity Substation	1972	146528
J	5m SE	Electricity Substation	1990	135727



ID	Location	Land Use	Date	Group ID
I	5m S	Electricity Substation	1982	146528
I	5m S	Electricity Substation	1990	146528
S	26m NW	Electricity Substation	1982	136489
S	26m NW	Electricity Substation	1990	136489
S	26m NW	Electricity Substation	1990	136489
S	32m NW	Electricity Substation	1973	136489
S	32m NW	Electricity Substation	1993	139736
R	61m W	Electricity Substation	1993	139258
R	61m W	Electricity Substation	1973	145888
R	62m W	Electricity Substation	1982	139258
R	62m W	Electricity Substation	1990	139258
R	62m W	Electricity Substation	1990	139258
X	81m E	Electricity Substation	1990	136637
X	81m E	Electricity Substation	1983	136637
X	81m E	Electricity Substation	1983	136637
X	81m E	Electricity Substation	1995	141690
D	161m SE	Electricity Substation	-	128789
D	161m SE	Electricity Substation	1995	139486
D	161m SE	Electricity Substation	1995	139486
D	162m SE	Electricity Substation	1962	139486
AB	189m NE	Electricity Substation	1967	142681
AB	190m NE	Electricity Substation	1992	139697
AB	190m NE	Electricity Substation	1992	139697
D	198m SE	Electricity Substation	1995	139522
D	198m SE	Electricity Substation	1990	139522
AE	199m N	Electricity Substation	1982	142758
AE	199m N	Electricity Substation	1990	142758
AE	199m N	Electricity Substation	1990	142758



ID	Location	Land Use	Date	Group ID
AE	199m N	Electricity Substation	1993	142758
AE	199m N	Electricity Substation	1973	142758
AL	287m N	Electricity Substation	1972	142618
AL	287m N	Electricity Substation	1982	142618
AL	288m N	Electricity Substation	1995	142618
AI	294m W	Electricity Substation	1974	146231
AI	295m W	Electricity Substation	1997	146231
AI	296m W	Electricity Substation	1987	146231
AN	304m SW	Electricity Substation	1993	142364
AN	304m SW	Electricity Substation	1973	142364
14	316m N	Electricity Substation	1995	131108
AV	394m E	Electricity Substation	1981	146977
AV	394m E	Electricity Substation	1966	138386
AV	395m E	Electricity Substation	1993	146977
AW	404m E	Electricity Substation	1966	134977
AW	421m E	Electricity Substation	1981	141726
AW	421m E	Electricity Substation	1993	141726
18	431m NW	Electricity Substation	1983	131110
A	434m NW	Gasometers	1906	131685
AZ	447m E	Electricity Substation	1967	133548
AZ	452m E	Electricity Substation	1992	132615
AZ	452m E	Electricity Substation	1992	133697

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	20
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

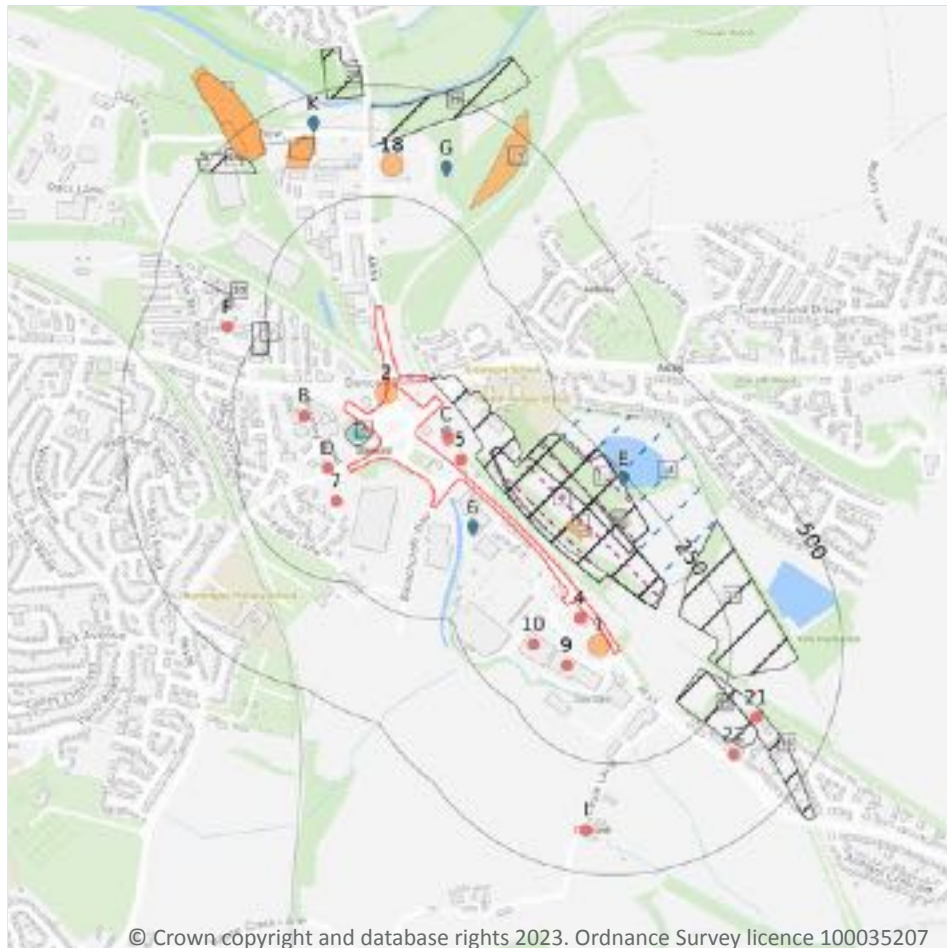
Features are displayed on the Past land use - un-grouped map on [page 28 >](#)

ID	Location	Land Use	Date	Group ID
I	On site	Garage	1972	44174
I	0m SE	Garage	1982	44604
I	0m SE	Garage	1990	44604
I	1m SE	Garage	1982	45724
I	1m SE	Garage	1990	45724
I	21m SE	Garage	1972	42595
T	34m SE	Garage	1995	45842
T	34m SE	Garage	1995	45842
T	34m SE	Garage	-	41051
T	42m SE	Garage	1963	41646
T	42m SE	Garage	1962	43892
T	105m SE	Garage	1961	43225
AM	291m NW	Garage	1987	42566
AM	323m NW	Garage	1974	44976
AM	338m NW	Garage	1997	44976
AU	390m W	Garage	1997	44703
AU	391m W	Garage	1987	41647
AU	399m W	Garage	1960	42958
AU	399m W	Garage	1974	44703
AU	399m W	Garage	1961	42154

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 landfill (BGS)
- Historical landfill (LA/OS)
- 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 45](#) >

ID	Location	Details	
14	162m SE	Operator: B D R Waste Disposal Ltd Site Address: Stairfoot North Quarry, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S71 5BZ	WML Number: 60588 EPR Reference: BDR002 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Closure IPPC Reference: - EPR Number: EA/EPR/YP3990ZT/A001



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

3.2 Historical landfill (BGS records)

Records within 500m

1

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.

Features are displayed on the Waste and landfill map on [page 45 >](#)

ID	Location	Address	BGS Number	Risk	Waste Type
A	28m W	Disused Canal, Doncaster Rd, Barnsley, Yorks	1891	No risk to aquifer	N/A

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

3

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

Features are displayed on the Waste and landfill map on [page 45 >](#)

ID	Location	Site address	Source	Data type
B	37m SE	Refuse Tip	1990 mapping	Polygon
B	38m SE	Refuse Tip	1995 mapping	Polygon
20	323m NW	Refuse Tip	1973 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

12

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 45 >](#)



ID	Location	Details		
A	1m NW	Site Address: Disused Canal - Doncaster Road, Stairfoot, Barnsley Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -
3	6m N	Site Address: Stairfoot Landfill Site, Stairfoot (North Quarry), Stairfoot, Barnsley Licence Holder Address: Cleansing Division, Smithies Lane, Barnsley	Waste Licence: Yes Site Reference: WD2 B20, 4400/B20, WD2 S10, WD20 B772 Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 03/12/1986 Licence Surrender: 31/12/1990	Operator: Barnsley Metropolitan Borough Council Licence Holder: Barnsley Metropolitan Borough Council First Recorded 31/12/1987 Last Recorded: 31/12/1992
B	22m SE	Site Address: Stairfoot Brickworks, North Quarry Phase 2, Wombwell Lane, Stairfoot Licence Holder Address: Public Services Department, Cleansing Division, Smithies Lane, Barnsley	Waste Licence: Yes Site Reference: 4400/B266, 20B266, 20B772, WD2 B21, CD2, WD20 B772 Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 17/07/1991 Licence Surrender: -	Operator: - Licence Holder: Barnsley Metropolitan Borough Council First Recorded - Last Recorded: -
11	128m E	Site Address: Stairfoot North Quarry Phase 2, Wombwell Lane, Stairfoot, Barnsley Licence Holder Address: Wombwell Lane, Stairfoot, Barnsley	Waste Licence: Yes Site Reference: WD20 B297, WD20 B772, 4400/B297, 20B297 Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 29/07/1980 Licence Surrender: 30/04/1988	Operator: - Licence Holder: The Yorkshire Brick Company Limited First Recorded 31/01/1992 Last Recorded: -
12	139m E	Site Address: Stairfoot Quarry, Wombwell Lane, Stairfoot, Barnsley Licence Holder Address: Wombwell Lane, Stairfoot, Barnsley	Waste Licence: Yes Site Reference: 4400/B266, WD20 B266 Waste Type: Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 04/10/1979 Licence Surrender: 27/08/1980	Operator: - Licence Holder: The Yorkshire Brick Company First Recorded - Last Recorded: -



ID	Location	Details		
13	154m SE	Site Address: Stairfoot Quarry No.2, Wombwell Lane, Stairfoot, Barnsley Licence Holder Address: -	Waste Licence: Yes Site Reference: WD2 S9, WD2 B6, 2B6(2), 4400/B6 Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 07/04/1982 Licence Surrender: 31/12/1987	Operator: Barnsley Metropolitan Borough Council Licence Holder: Barnsley Metropolitan Borough Council First Recorded 31/12/1982 Last Recorded: 31/12/1987
15	167m SE	Site Address: Stairfoot Brickworks Quarry, Wombwell Lane, Stairfoot, Barnsley Licence Holder Address: -	Waste Licence: Yes Site Reference: 2B9, 4400/B9, WD2 B9, WD255 Waste Type: Inert, Industrial, Commercial, Household, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 17/01/1978 Licence Surrender: 31/12/1982	Operator: Yorkshire Brick Company Licence Holder: Yorkshire Brick Company First Recorded 31/12/1976 Last Recorded: 31/12/1982
16	205m SE	Site Address: Disused railway cutting to the rear of 39 Wombell Lane, Stairfoot, Barnsley Licence Holder Address: 38 Wombwell Lane, Stairfoot, Barnsley	Waste Licence: Yes Site Reference: 4400/B430, WD20 B430 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 16/05/1984 Licence Surrender: 29/05/1991	Operator: William Gosney Limited Licence Holder: William Gosney Limited First Recorded 16/05/1984 Last Recorded: 31/12/1989
17	208m NW	Site Address: School Street, Stairfoot, Barnsley Licence Holder Address: School Street, Stairfoot, Barnsley	Waste Licence: Yes Site Reference: WD20 B205, 4400/B205, 20B205(73) Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 28/11/1977 Licence Surrender: 27/01/1984	Operator: Wilde and Hardy Licence Holder: Wilde and Hardie Limited First Recorded 28/11/1977 Last Recorded: 27/01/1984
23	363m N	Site Address: Railway Embankment, Grange Lane, Barnsley Licence Holder Address: Twibell Street, Barnsley	Waste Licence: Yes Site Reference: 20B521(24), 4400/B521, WD20 B521 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 13/06/1986 Licence Surrender: 21/02/1992	Operator: M White and A Peace Licence Holder: White and Peace c/o Twibell Plant Limited First Recorded 30/04/1986 Last Recorded: 31/10/1990



ID	Location	Details		
24	403m NW	Site Address: Beatson Clark and Company Limited, Hoyle Mill Road, Stairfoot, Barnsley Licence Holder Address: Hoyle Mill Road, Stairfoot, Barnsley	Waste Licence: Yes Site Reference: WD20 B7, 4400/B7, 20B7(60) Waste Type: Inert, Industrial, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 17/11/1977 Licence Surrender: 08/01/1985	Operator: Beaton Clark and Company Limited Licence Holder: Beaton Clark and Company Limited First Recorded 30/11/1977 Last Recorded: 08/01/1985
25	474m N	Site Address: Land adjacent to Priory Corn Mill, Grange Lane, Cundy Cross, Barnsley Licence Holder Address: Department of Architecture and Planning, Regent Street, Barnsley	Waste Licence: Yes Site Reference: WD20 B478, 4400/B478, 20B478(50) Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 15/05/1985 Licence Surrender: 15/05/1992	Operator: Barnsley Metropolitan Borough Council Licence Holder: Barnsley Metropolitan Borough Council First Recorded 31/05/1985 Last Recorded: 15/05/1992

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

3.5 Historical waste sites

Records within 500m	12
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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 45 >](#)

ID	Location	Address	Further Details	Date
1	On site	Site Address: Tesco Stores Ltd, Wombwell Lane, BARNSELY, South Yorkshire, S70 3NS	Type of Site: Recycling Unit (New/Extension) Planning application reference: 2007/1728 Description: Scheme comprises construction of single storey tomra recycling unit and extension of recycling area. An application (ref: 2007/1728) for detailed planning permission was granted by Barnsley B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-

ID	Location	Address	Further Details	Date
2	On site	Site Address: Grange Lane, Carlisle Engineering Works, Grange Lane, Stairfoot, BARNSELY, South Yorkshire, S70 3NJ	Type of Site: Waste Transfer Station Planning application reference: 98/411 Description: Scheme includes weighbridge & car parking. The work will involve the construction of the industrial buildings, major concrete works and enabling works with car parking facilities. Detailed plans have been approved. Detailed plans have been approved. Data source: Historic Planning Application Data Type: Point	01/04/1999
B	74m SE	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	1931
18	295m N	Site Address: Grange Lane, Grange Lane, Stairfoot, BARNSELY, South Yorkshire, S70 3NJ	Type of Site: Waste Transfer Station Planning application reference: 99/522 Description: The work will involve the construction of a waste transfer station and a 15 space car park. Detailed plans have been submitted. The project has been completed. (30/06/2000) Scheme has nearly completed. Data source: Historic Planning Application Data Type: Point	-
19	296m N	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	1906
H	346m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
H	361m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
H	363m NW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1971



ID	Location	Address	Further Details	Date
J	423m NW	Site Address: N/A	Type of Site: Scrap Yards Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983
J	428m NW	Site Address: N/A	Type of Site: Scrap Yards Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
J	428m NW	Site Address: N/A	Type of Site: Scrap Yards Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
J	456m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983

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

3.6 Licensed waste sites

Records within 500m

12

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

Features are displayed on the Waste and landfill map on [page 45 >](#)

ID	Location	Details		
C	42m NE	Site Name: W F S Metals Ltd Site Address: Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NT Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WFS001 EPR reference: EA/EPR/RP3290ZC/A001 Operator: W F S Metals Ltd Waste Management licence No: 60568 Annual Tonnage: 548	Issue Date: 04/12/1989 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
6	64m SE	Site Name: South Yorkshire Dismantlers Site Address: Land/premises At, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NX Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ARM002 EPR reference: EA/EPR/RP3098ZP/A001 Operator: Armitage Kathleen Waste Management licence No: 61967 Annual Tonnage: 4999	Issue Date: 24/09/1997 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
E	241m E	Site Name: Stairfoot Landfill Site Address: Stairfoot North Quarry, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S71 5BZ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BDR002 EPR reference: EA/EPR/YP3990ZT/A001 Operator: B D R Waste Disposal Ltd Waste Management licence No: 60588 Annual Tonnage: 5000	Issue Date: 17/07/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
E	241m E	Site Name: Stairfoot Landfill Site Address: Stairfoot North Quarry, Wombwell Lane, Stairfoot, Barnsley, S Yorks Correspondence Address: Thurcroft Heritage Centre, Thurcroft, Rotherham, South Yorks, S66 9AB	Type of Site: Co-Disposal Landfill Site Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BDR002 EPR reference: - Operator: B D R Waste Disposal Ltd Waste Management licence No: 60588 Annual Tonnage: 0	Issue Date: 17/07/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	241m E	Site Name: Stairfoot Landfill Site Address: Stairfoot North Quarry, Wombwell Lane, Stairfoot, Barnsley, S Yorks Correspondence Address: Thurcroft Heritage Centre, Thurcroft, Rotherham, South Yorks, S66 9AB	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BDR002 EPR reference: - Operator: B D R Waste Disposal Ltd Waste Management licence No: 60588 Annual Tonnage: 0	Issue Date: 17/07/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
G	344m N	Site Name: Grange Lane Transfer Station Site Address: Grange Lane Transfer Station, Grange Lane, Stairfoot, Barnsley, South Yorkshire, S71 5QQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SHA141 EPR reference: EA/EPR/CB3905UL/V002 Operator: Renewi U K Services Limited Waste Management licence No: 65004 Annual Tonnage: 75000	Issue Date: 24/12/1999 Effective Date: 06/06/2015 Modified: 20/10/2017 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
G	344m N	Site Name: Grange Lane Transfer Station Site Address: Grange Lane Transfer Station, Grange Lane, Stairfoot, Barnsley, South Yorkshire, S71 5QQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BDR016 EPR reference: EA/EPR/TP3694ZX/A001 Operator: B D R Waste Disposal Limited Waste Management licence No: 65004 Annual Tonnage: 75000	Issue Date: 24/12/1999 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
G	344m N	Site Name: Grange Lane Transfer Station Site Address: Grange Lane Transfer Station, Grange Lane, Stairfoot, Barnsley, South Yorkshire, S71 5QQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SHA141 EPR reference: EA/EPR/CB3905UL/T001 Operator: Shanks Waste Management Limited Waste Management licence No: 65004 Annual Tonnage: 75000	Issue Date: 24/12/1999 Effective Date: 06/06/2015 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
G	344m N	Site Name: Grange Lane Transfer Station Site Address: Grange Lane Transfer Station, Grange Lane, Stairfoot, Barnsley, South Yorkshire, S71 5QQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BDR016 EPR reference: EA/EPR/TP3694ZX/A001 Operator: B D R Waste Disposal Ltd Waste Management licence No: 65004 Annual Tonnage: 75000	Issue Date: 24/12/1999 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
K	435m N	Site Name: C Soar And Sons - Tank Row Works Site Address: Tank Row Works, Grange Lane, Barnsley, South Yorkshire, S71 5AD Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CSO004 EPR reference: EA/EPR/TP3396EG/V003 Operator: C Soar & Sons (U K) Ltd Waste Management licence No: 60565 Annual Tonnage: 25000	Issue Date: 08/05/1989 Effective Date: 02/03/2011 Modified: 06/03/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
K	435m N	Site Name: C Soar And Sons - Tank Row Works Site Address: Land/premises At, Grange Lane, Barnsley, South Yorkshire, S71 5AD Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CSO001 EPR reference: RP3590ZA/A001 Operator: C Soar & Sons Waste Management licence No: 60565 Annual Tonnage: 25000	Issue Date: 08/05/1989 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
K	435m N	Site Name: C Soar And Sons - Tank Row Works Site Address: Tank Row Works, Grange Lane, Barnsley, South Yorkshire, S71 5AD Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CSO004 EPR reference: EA/EPR/TP3396EG/V003 Operator: C Soar & Sons (U K) Ltd Waste Management licence No: 60565 Annual Tonnage: 25000	Issue Date: 08/05/1989 Effective Date: 02/03/2011 Modified: 06/03/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



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

3.7 Waste exemptions

Records within 500m	23
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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 45 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
4	16m SE	Former Stairfoot Brickworks, Off Wombwell Lane, Stairfoot, Barnsley, S70 3NS	WEX288605	Disposing of waste exemption	Not on a farm	Burning waste in the open
5	18m E	STAIRFOOT METALS, WOMBWELL LANE, BARNSELY, S70 3NT	WEX077976	Treating waste exemption	Not on a farm	Recovery of scrap metal
C	35m NE	WOMBWELL LANE, BARNSELY, S70 3NT	WEX223214	Treating waste exemption	Not on a farm	Recovery of scrap metal
C	36m NE	VEKA Recycling Centre Wombwell Lane BARNSELY South Yorkshire S70 3NT	EPR/JH0714AA /A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
C	41m NE	LH & SC Trading Wombwell Lane BARNSELY South Yorkshire S70 3NT	EPR/AF0806PB /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
C	41m NE	LH & SC Trading Wombwell Lane BARNSELY South Yorkshire S70 3NT	EPR/AF0806PB /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
C	41m NE	LH & SC Trading Wombwell Lane BARNSELY South Yorkshire S70 3NT	EPR/AF0806PB /A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
C	41m NE	LH & SC Trading Wombwell Lane BARNSELY South Yorkshire S70 3NT	EPR/AF0806PB /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
D	47m W	STANLEY ROAD, BARNSELY, S70 3PG	WEX308479	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
D	47m W	STANLEY ROAD, BARNSELY, S70 3PG	WEX308479	Using waste exemption	Not on a Farm	Use of waste to manufacture finished goods
D	47m W	STANLEY ROAD, BARNSELY, S70 3PG	WEX177556	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods

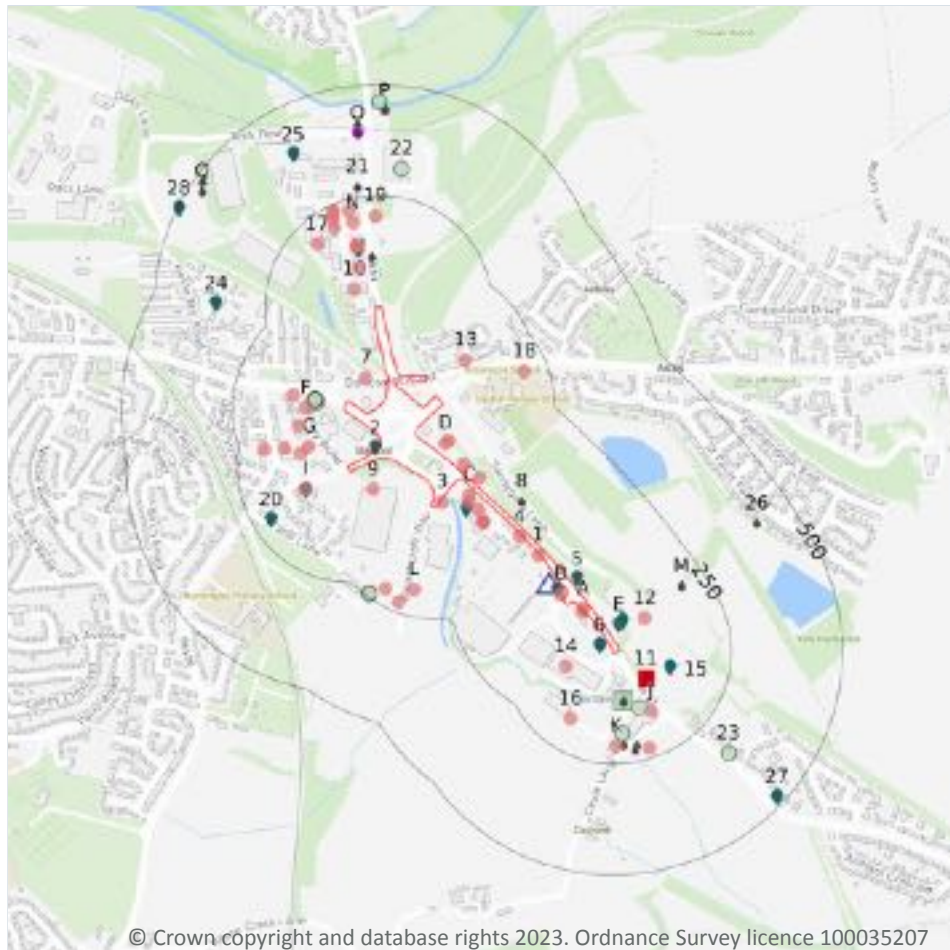


ID	Location	Site	Reference	Category	Sub-Category	Description
D	47m W	STANLEY ROAD, BARNSELY, S70 3PG	WEX177556	Storing waste exemption	Not on a farm	Storage of waste in a secure place
7	76m SW	THE BUNGALOW, ALBION ROAD, BARNSELY, S70 3DY	WEX215717	Disposing of waste exemption	Not on a farm	Burning waste in the open
8	90m W	-	WEX229446	Treating waste exemption	Not on a farm	Manual treatment of waste
9	108m SE	Unit 5, Barnsley Trade Park, Wombwell Lane, Barnsley, S70 3NS	WEX112980	Storing waste exemption	Not on a farm	Storage of waste in a secure place
10	117m SE	Unit 4 Barnsley Retail Park Wombwell Lane BARNSELY South Yorkshire S70 3NS	EPR/LE5343LQ /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
F	319m NW	1 SHEPCOTE HOUSE, SCHOOL STREET, STAIRFOOT, BARNSELY, S70 3PT	WEX224473	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
F	319m NW	1 SHEPCOTE HOUSE, SCHOOL STREET, STAIRFOOT, BARNSELY, S70 3PT	WEX224473	Treating waste exemption	Not on a farm	Recovery of scrap metal
21	341m SE	39 WOMBWELL LANE BARNSELY S70 3NR	EPR/NF0533N L/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
22	346m SE	39, WOMBWELL LANE, BARNSELY, S70 3NR	WEX075169	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	405m S	Caulkwell Caulk Lane	EPR/DE5285C C/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
I	405m S	Caulkwell Caulk Lane	EPR/DE5285C C/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
I	405m S	Caulkwell Caulk Lane	EPR/DE5285C C/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste for a specified purpose

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
- ▲ Current or recent petrol stations
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- List 1 Dangerous Substances
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m

51

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 57 >](#)

ID	Location	Company	Address	Activity	Category
A	On site	Electricity Sub Station	South Yorkshire, S70	Electrical Features	Infrastructure and Facilities
A	1m SE	Gas Governor Station	South Yorkshire, S70	Gas Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
1	4m SE	Electricity Sub Station	South Yorkshire, S70	Electrical Features	Infrastructure and Facilities
3	4m S	Electricity Sub Station	South Yorkshire, S70	Electrical Features	Infrastructure and Facilities
4	7m SE	Sanders Travel	88, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NX	Vehicle Hire and Rental	Hire Services
B	12m SE	Tesco Petrol Station	Petrol Station Tesco Supermarket, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NS	Petrol and Fuel Stations	Road and Rail
C	16m SE	Roundbrand T W F	Unit 1, Bleachcroft Way, Stairfoot, Barnsley, South Yorkshire, S70 3PA	General Construction Supplies	Industrial Products
C	18m E	Super Shine Hand Car Wash	Jj's Tyres, Wombwell Lane, Town Centre, Barnsley, South Yorkshire, S70 3NT	Vehicle Cleaning Services	Personal, Consumer and Other Services
C	19m SE	M D Car Sales	Cars 4 U, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NT	Secondhand Vehicles	Motoring
C	26m SE	Stairfoot M O T Centre	Jack Harris Precinct, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NX	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	26m NE	Works	South Yorkshire, S70	Unspecified Works Or Factories	Industrial Features
C	28m SE	G R Systems Ltd	Jack Harris Precinct, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NX	Conservatories	Consumer Products
D	36m NE	Stairfoot Metals Ltd	Wombwell Lane, Barnsley, South Yorkshire, S70 3NT	Scrap Metal Merchants	Recycling Services
C	39m SE	Crest Home Improvements Ltd	Jack Harris Precinct, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NX	Conservatories	Consumer Products
C	39m SE	The Sprayshop	Jack Harris Precinct, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NX	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	39m SE	Expert Valeting	Jack Harris Precinct, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NX	Vehicle Cleaning Services	Personal, Consumer and Other Services
C	39m SE	Barnsley Towbar Centre	Unit 5 Harris Motor Bodies, Wombwell Lane, Barnsley, South Yorkshire, S70 3NX	Vehicle Repair, Testing and Servicing	Repair and Servicing
7	42m NW	Electricity Sub Station	South Yorkshire, S70	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
9	58m SW	Electricity Sub Station	South Yorkshire, S70	Electrical Features	Infrastructure and Facilities
10	64m NW	Dem Window Solutions	Unit 34 and Unit 35 Grange Lane Industrial Estate, Carrwood Road, Stairfoot, Barnsley, South Yorkshire, S71 5AS	General Construction Supplies	Industrial Products
F	85m W	Gee Vee Travel	8, Stanley Road, Stairfoot, Barnsley, South Yorkshire, S70 3PG	Vehicle Hire and Rental	Hire Services
12	87m SE	Clay Pit	South Yorkshire, S70	Sand, Gravel and Clay Extraction and Merchants	Extractive Industries
13	97m N	Total Mobility Ltd	560, Doncaster Road, Ardsley, Barnsley, South Yorkshire, S71 5AQ	Disability and Mobility Equipment	Consumer Products
G	98m W	B A Haxby Ltd	Stanley Road, Stairfoot, Barnsley, South Yorkshire, S70 3PG	General Construction Supplies	Industrial Products
H	98m N	Barnsley Community Equipment Service	Unit 33 Grange Lane Industrial Estate, Carrwood Road, Stairfoot, Barnsley, South Yorkshire, S71 5AS	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
I	108m W	Hunningley M O T Centre	Hunningley Lane, Stairfoot, Barnsley, South Yorkshire, S70 3DT	Vehicle Repair, Testing and Servicing	Repair and Servicing
F	108m W	Works	South Yorkshire, S70	Unspecified Works Or Factories	Industrial Features
G	109m W	Masts (Telecommunication)	South Yorkshire, S70	Telecommunications Features	Infrastructure and Facilities
14	110m SE	Bensons for Beds	Unit 2 Barnsley Retail Park, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NS	Beds and Bedding	Consumer Products
F	117m NW	Gas Governor	South Yorkshire, S70	Gas Features	Infrastructure and Facilities
H	142m N	Express Duplication	Unit 32 Grange Lane Industrial Estate, Carrwood Road, Stairfoot, Barnsley, South Yorkshire, S71 5AS	Electronic Media	Industrial Products
H	142m N	Zignig Packaging	Unit 32 Grange Lane Industrial Estate, Carrwood Road, Stairfoot, Barnsley, South Yorkshire, S71 5AS	Packaging	Industrial Products
H	142m N	Live Wire Duplication	Unit 32 Grange Lane Industrial Estate, Carrwood Road, Stairfoot, Barnsley, South Yorkshire, S71 5AS	Electronic Media	Industrial Products



ID	Location	Company	Address	Activity	Category
G	149m W	Tasker's Tyres	Hunningley Close, Stairfoot, Barnsley, South Yorkshire, S70 3DP	Vehicle Parts and Accessories	Motoring
J	151m SE	Halfords Autocentre	Wombwell Lane, Barnsley, South Yorkshire, S70 3NS	Vehicle Repair, Testing and Servicing	Repair and Servicing
16	177m SE	Electricity Sub Station	South Yorkshire, S70	Electrical Features	Infrastructure and Facilities
L	188m S	Stairfoot Business Park	South Yorkshire, S70	Business Parks and Industrial Estates	Industrial Features
G	192m W	Jagger Coaches	4, Hunningley Close, Stairfoot, Barnsley, South Yorkshire, S70 3DP	Vehicle Hire and Rental	Hire Services
17	195m NW	Jedson	Unit 31 Grange Lane Industrial Estate, Carrwood Road, Stairfoot, Barnsley, South Yorkshire, S71 5AS	General Construction Supplies	Industrial Products
N	196m N	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities
18	197m NE	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities
N	200m NW	Paint Solutions Barnsley Ltd	Unit 26 Grange Lane Industrial Estate, Carrwood Road, Stairfoot, Barnsley, South Yorkshire, S71 5AS	Special Purpose Machinery and Equipment	Industrial Products
19	205m N	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities
K	209m SE	Euro Car Parts	Unit 6, Barnsley Retail Park, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NS	Vehicle Parts and Accessories	Motoring
L	213m S	Tank	South Yorkshire, S70	Tanks (Generic)	Industrial Features
N	220m NW	Adept Recovery Ltd	Unit 24 Grange Lane Industrial Estate, Carrwood Road, Stairfoot, Barnsley, South Yorkshire, S71 5AS	Vehicle Breakdown and Recovery Services	Personal, Consumer and Other Services
L	226m S	Electricity Sub Station	South Yorkshire, S70	Electrical Features	Infrastructure and Facilities
N	226m N	Tank	South Yorkshire, S71	Tanks (Generic)	Industrial Features
K	226m SE	Pumping Station	South Yorkshire, S70	Water Pumping Stations	Industrial Features
N	231m NW	Marsden Auto Electrical	Unit 23 Grange Lane Industrial Estate, Carrwood Road, Stairfoot, Barnsley, South Yorkshire, S71 5AS	Vehicle Repair, Testing and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
N	238m N	R F A Engineering Ltd	Unit 22 Grange Lane Industrial Estate, Carrwood Road, Stairfoot, Barnsley, South Yorkshire, S71 5AS	Industrial Repairs and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	1
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Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 57 >](#)

ID	Location	Company	Address	LPG	Status
B	22m SE	TESCO EXTRA	Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NS	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
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Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.



4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m**0**

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m**3**

Records of Part A(1) 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 57](#) >



ID	Location	Details	
O	393m N	Operator: C. Soar & Sons (UK) Limited Installation Name: Tank Row Works - EPR/TP3396EG Process: ASSOCIATED PROCESS Permit Number: LP3435VH Original Permit Number: YP3537HE	EPR Reference: - Issue Date: 06/03/2014 Effective Date: 06/03/2014 Last date noted as effective: 21/03/2023 Status: Effective
O	393m N	Operator: C. Soar & Sons (UK) Limited Installation Name: Tank Row Works - EPR/TP3396EG Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: LP3435VH Original Permit Number: YP3537HE	EPR Reference: - Issue Date: 06/03/2014 Effective Date: 06/03/2014 Last date noted as effective: 21/03/2023 Status: Effective
O	393m N	Operator: C. Soar & Sons Ltd Installation Name: Tank Row Works EPR/TP3396EG/V002 Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: YP3537HE Original Permit Number: YP3537HE	EPR Reference: - Issue Date: 11/07/2011 Effective Date: 11/07/2011 Last date noted as effective: 21/03/2023 Status: Superseded

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

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

Records within 500m

15

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 57 >](#)

ID	Location	Address	Details	
2	4m W	Perfecta Bedding Wombwell Mills, Barnsley Rd, Wombwell, S73 8EA	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
5	14m SE	J Harrys (Motor Bodies), Wombwell Lane, Stairfoot, Barnsley, S70 3NX	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
B	16m SE	Tesco Stores Limited, Wombwell Lane, Barnsley, S70 3NS	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
6	21m SE	Hope Cement Ltd (Previously Lafarge Aggregates Ltd), Wombwell Lane, Barnsley, S70 3NS	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	28m SE	Stairfoot MOT Centre Ltd, Wombwell Lane Stairfoot, Barnsley, S70 3NX	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	38m SE	Redland Readymix Ltd, Wombwell Lane, Stairfoot, Barnsley, S70 3NS	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	44m SE	J Harris (Motor Bodies), Wombwell Lane, Stairfoot, Barnsley, S70 3NX	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
I	108m W	Hunningley Lane MOT, Hunningley Lane, Stairfoot, Barnsley, S70 3DT	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
15	115m SE	Hansons Building Products Limited, Wombwell Lane, Barnsley, S70 3NS	Process: Manufacture of Clay Status: Historical Permit Permit Type: Part A2	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
H	133m N	Standard Piston Ring, Co Grange Lane, Stairfoot, Barnsley, S71 5AE	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
20	208m W	Save Serv Station, Hunningley Lane, Stairfoot, Barnsley, S70 3DU	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
24	361m NW	H Brown & Son Ltd, Oaks Garage, Hoyle Mill Rd, Stairfoot, S70 3EL	Process: Waste Oil Burner 0.4 MW Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
25	389m NW	C Soar & Son, Grange Lane, Barnsley, S71 5AD	Process: Non-ferrous Metal Foundry Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
27	481m SE	Marshall Clay Products, Wombwell Lane, Stairfoot, Barnsley, S70 3NS	Process: Manufacture of Clay Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
28	496m NW	Beatson Clark Place, Hoyle Mill Rd, Stairfoot, Barnsley, S70 3EU	Process: Lead Glass Manufacturing Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

23

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 57](#) >



ID	Location	Address	Details	
8	43m SE	STAIRFOOT BRICKWORKS,BARNSELY (YTD, CO LTD)	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 3668 Permit Version: 1 Receiving Water: DOB DYKE	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 11/01/1982 Effective Date: 11/01/1982 Revocation Date: 10/01/1983
J	110m SE	STAIRFOOT BRICKWORKS, STAIRFOOT, BARNSELY, SOUTH YORKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: 3668 Permit Version: 2 Receiving Water: DOB SYKE	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 11/01/1983 Effective Date: 11/01/1983 Revocation Date: 16/06/1996
J	110m SE	STAIRFOOT BRICKWORKS, STAIRFOOT, BARNSELY, SOUTH YORKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: 3668 Permit Version: 3 Receiving Water: DOB SYKE	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 17/06/1996 Effective Date: 17/06/1996 Revocation Date: -
H	113m N	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
M	194m SE	ST PAULS PARADE SEWAGE PUMPING STN, ARDSLEY, BARNSELY	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: C4870 Permit Version: 2 Receiving Water: TRIBUTARY OF DOB DYKE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/03/2002 Effective Date: 08/03/2002 Revocation Date: 31/03/2005
M	194m SE	ST PAULS PARADE SEWAGE PUMPING STN, ARDSLEY, BARNSELY	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: C4870 Permit Version: 3 Receiving Water: TRIBUTARY OF DOB DYKE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 08/03/2002 Effective Date: 01/04/2005 Revocation Date: -
K	208m SE	STAIRFOOT SPS, WOMBWELL LANE, WOMBWELL, BARNSELY, SOUTH YORKSHIRE, S70 2NS	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WADC417 Permit Version: 1 Receiving Water: DOB SYKE	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 27/11/2018



ID	Location	Address	Details	
K	214m SE	STAIRFOOT SPS, WOMBWELL LANE, WOMBWELL, BARNSELY, SOUTH YORKSHIRE, S70 2NS	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WADC417 Permit Version: 2 Receiving Water: RIVER DOVE	Status: VARIED UNDER EPR 2010 Issue date: 28/11/2018 Effective Date: 28/11/2018 Revocation Date: -
K	222m SE	STAIRFOOT (WOMBWELL LANE) SPS, WOMBWELL LANE, STAIRFOOT, BARNSELY, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: YWUCD1/100 Permit Version: 1 Receiving Water: DOB SIKE	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/11/1997 Effective Date: 12/11/1997 Revocation Date: 29/03/2005
21	274m N	GRANGE LANE SPS, GRANGE LANE, BARNSELY, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WADC193 Permit Version: 1 Receiving Water: RIVER DEARNE	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 28/01/2003
26	412m E	ST PAULS PARADE SEWAGE PUMPING STN, ARDSLEY, BARNSELY	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: C4870 Permit Version: 1 Receiving Water: TRIBUTARY OF DOB DYKE	Status: TRANSFERRED FROM COPA 1974 Issue date: 18/11/1987 Effective Date: 18/11/1987 Revocation Date: 07/03/2002
O	413m N	C.G. CARLISLE LTD, GRANGE LANE, BARNSELY, SOUTH YORKSHIRE, S71 5AE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 1419 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: 23/11/1984 Effective Date: 23/11/1984 Revocation Date: 23/07/1991
P	441m N	GRANGE LANE SPS, GRANGE LANE, BARNSELY, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WRA7923 Permit Version: 1 Receiving Water: RIVER DEARNE (VIA PUBLIC SEWER)	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 02/12/2002 Effective Date: 02/12/2002 Revocation Date: 30/03/2003
P	441m N	GRANGE LANE SPS, GRANGE LANE, BARNSELY, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WRA7923 Permit Version: 2 Receiving Water: RIVER DEARNE (VIA PUBLIC SEWER)	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2003 Effective Date: 31/03/2003 Revocation Date: -



ID	Location	Address	Details	
P	441m N	BIRK ROAD, KENDRAY CSO, BIRK ROAD (REAR OF NO 14), BARNSELY, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8687 Permit Version: 1 Receiving Water: TRIBUTARY OF THE RIVER DEARNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 11/03/2005 Effective Date: 01/04/2005 Revocation Date: 02/03/2010
P	441m N	BIRK ROAD, KENDRAY CSO, BIRK ROAD (REAR OF NO 14), BARNSELY, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8687 Permit Version: 2 Receiving Water: TRIBUTARY OF THE RIVER DEARNE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 03/03/2010 Effective Date: 03/03/2010 Revocation Date: -
P	443m N	STAIRFOOT GRANGE CSO, ADJ 20 GRANGE LANE, STAIRFOOT, BARNSELY, SOUTH YORKSHIRE, S71 5AS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9305 Permit Version: 1 Receiving Water: RIVER DEARNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 02/01/2008 Effective Date: 02/01/2008 Revocation Date: 30/03/2018
P	447m N	STAIRFOOT GRANGE CSO, ADJ 20 GRANGE LANE, STAIRFOOT, BARNSELY, SOUTH YORKSHIRE, S71 5AS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9305 Permit Version: 2 Receiving Water: CLVRT TRIB RIVER DEARNE	Status: VARIED UNDER EPR 2010 Issue date: 26/02/2018 Effective Date: 31/03/2018 Revocation Date: -
P	447m N	KENDRAY DONCASTER ROAD CSO, STANLEY ROAD, OFF DONCASTER ROAD, BARNSELY, SOUTH YORKSHIRE, S70 3NH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: C4872 Permit Version: 3 Receiving Water: RIVER DEARNE	Status: VARIED UNDER EPR 2010 Issue date: 26/10/2017 Effective Date: 26/10/2017 Revocation Date: -
Q	471m NW	PREMISES AT HOYLE MILL LANE, HOYLE MILL LANE, STAIRFOOT, BARNSELY, SOUTH YORKSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 3735 Permit Version: 2 Receiving Water: RIVER DEARNE	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 23/08/1983 Effective Date: 23/08/1983 Revocation Date: 01/10/1996
Q	471m NW	PREMISES AT HOYLE MILL LANE, HOYLE MILL LANE, STAIRFOOT, BARNSELY, SOUTH YORKSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: WRA7287 Permit Version: 1 Receiving Water: RIVER DEARNE	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/01/1997 Effective Date: 28/01/1997 Revocation Date: 08/08/2006



ID	Location	Address	Details	
Q	482m NW	PREMISES AT HOYLE MILL LANE, HOYLE MILL LANE, STAIRFOOT, BARNSELY, SOUTH YORKSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 3735 Permit Version: 2 Receiving Water: RIVER DEARNE	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 23/08/1983 Effective Date: 23/08/1983 Revocation Date: 01/10/1996
Q	482m NW	PREMISES AT HOYLE MILL LANE, HOYLE MILL LANE, STAIRFOOT, BARNSELY, SOUTH YORKSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: WRA7287 Permit Version: 1 Receiving Water: RIVER DEARNE	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/01/1997 Effective Date: 28/01/1997 Revocation Date: 08/08/2006

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0
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Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

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

4.15 Pollutant release to public sewer

Records within 500m	0
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Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	1
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Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 57 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
11	84m SE	Barnsley M.b.c., Stairfoot Landfill Site, Barnsley	Active	Don, Dearne, Dob Syke	Mercury (other), Cadmium

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

4.17 List 2 Dangerous Substances

Records within 500m

1

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

Features are displayed on the Current industrial land use map on [page 57 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
J	110m SE	Stairfoot Landfill Site, Site Drainage	Active	Dob Syke	Iron

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

15

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 57 >](#)

ID	Location	Details	
F	63m NW	Incident Date: 15/10/2003 Incident Identification: 196414 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
F	67m NW	Incident Date: 13/06/2003 Incident Identification: 165442 Pollutant: Atmospheric Pollutants and Effects:Specific Waste Materials:Contaminated Water Pollutant Description: Smoke:Asbestos:Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
F	67m NW	Incident Date: 13/06/2003 Incident Identification: 165442 Pollutant: Atmospheric Pollutants and Effects : Contaminated Water : Specific Waste Materials Pollutant Description: Smoke :Firefighting Run-Off :Asbestos	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
F	67m NW	Incident Date: 13/06/2003 Incident Identification: 165442 Pollutant: Contaminated Water Specific Waste Materials Pollutant Description: Smoke Firefighting Run-Off Asbestos	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)



ID	Location	Details	
F	67m NW	Incident Date: 13/06/2003 Incident Identification: 165442 Pollutant: Atmospheric Pollutants and Effects:Contaminated Water:Specific Waste Materials Pollutant Description: Smoke:Firefighting Run-Off:Asbestos	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
F	67m NW	Incident Date: 13/06/2003 Incident Identification: 165442 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
F	67m NW	Incident Date: 13/06/2003 Incident Identification: 165442 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
F	67m NW	Incident Date: 13/06/2003 Incident Identification: 165442 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
J	134m SE	Incident Date: 11/06/2001 Incident Identification: 8513 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	181m SE	Incident Date: 13/06/2001 Incident Identification: 9060 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	243m SW	Incident Date: 29/07/2002 Incident Identification: 95268 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
L	243m SW	Incident Date: 29/07/2002 Incident Identification: 95268 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
22	314m N	Incident Date: 07/06/2002 Incident Identification: 83416 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
23	334m SE	Incident Date: 07/04/2003 Incident Identification: 149280 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)



ID	Location	Details	
P	461m N	Incident Date: 29/08/2001 Incident Identification: 27504 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0
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The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

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

4.20 Pollution inventory waste transfers

Records within 500m	1
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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.

Features are displayed on the Current industrial land use map on [page 57 >](#)

ID: O, Location: 393m N, Permit: TP3396EG
 Operator: C Soar and Sons Ltd
 Activity: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D
 Address: C Soar And Sons Ltd Grange Lane Stairfoot South Yorkshire S71 5AD
 Sector: Metals Recycling, Sub-sector: Metals Recycling
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	671.42	absolute value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	1891.42	absolute value	19 12 03	non-ferrous metal	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	58.86	absolute value	19 12 07	wood other than that mentioned in 19 12 06	No
R4	Recycling/reclamation of metals and metal compounds	7601.22	absolute value	19 12 02	ferrous metal	No
R4	Recycling/reclamation of metals and metal compounds	2140.84	absolute value	16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	No
R4	Recycling/reclamation of metals and metal compounds	753.01	absolute value	16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15	No
R5	Recycling/reclamation of other inorganic materials	244.7	absolute value	17 01 03	tiles and ceramics	No
R5	Recycling/reclamation of other inorganic materials	657.9	absolute value	17 01 01	concrete	No
R5	Recycling/reclamation of other inorganic materials	6.2	absolute value	19 12 04	plastic and rubber	No
R5	Recycling/reclamation of other inorganic materials	12.94	absolute value	17 01 02	bricks	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	42.48	absolute value	17 05 04	soil and stones other than those mentioned in 17 05 03	No
R5	Recycling/reclamation of other inorganic materials	1.66	absolute value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
R9	Oil e-refining or other reuses of oil	771.36	absolute value	13 03 07	mineral-based non-chlorinated insulating and heat transmission oils	Yes
R4	Recycling/reclamation of metals and metal compounds	50.86	absolute value	16 06 01	lead batteries	Yes
R9	Oil e-refining or other reuses of oil	106.92	absolute value	13 03 10	other insulating and heat transmission oils	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	61.6	absolute value	13 03 01	insulating or heat transmission oils containing PCBs	Yes
R9	Oil e-refining or other reuses of oil	55.8	absolute value	13 05 07	oily water from oil/water separators	Yes
R9	Oil e-refining or other reuses of oil	6.26	absolute value	14 06 02	other halogenated solvents and solvent mixtures	Yes
R9	Oil e-refining or other reuses of oil	2.76	absolute value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes

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

4.21 Pollution inventory radioactive waste

Records within 500m

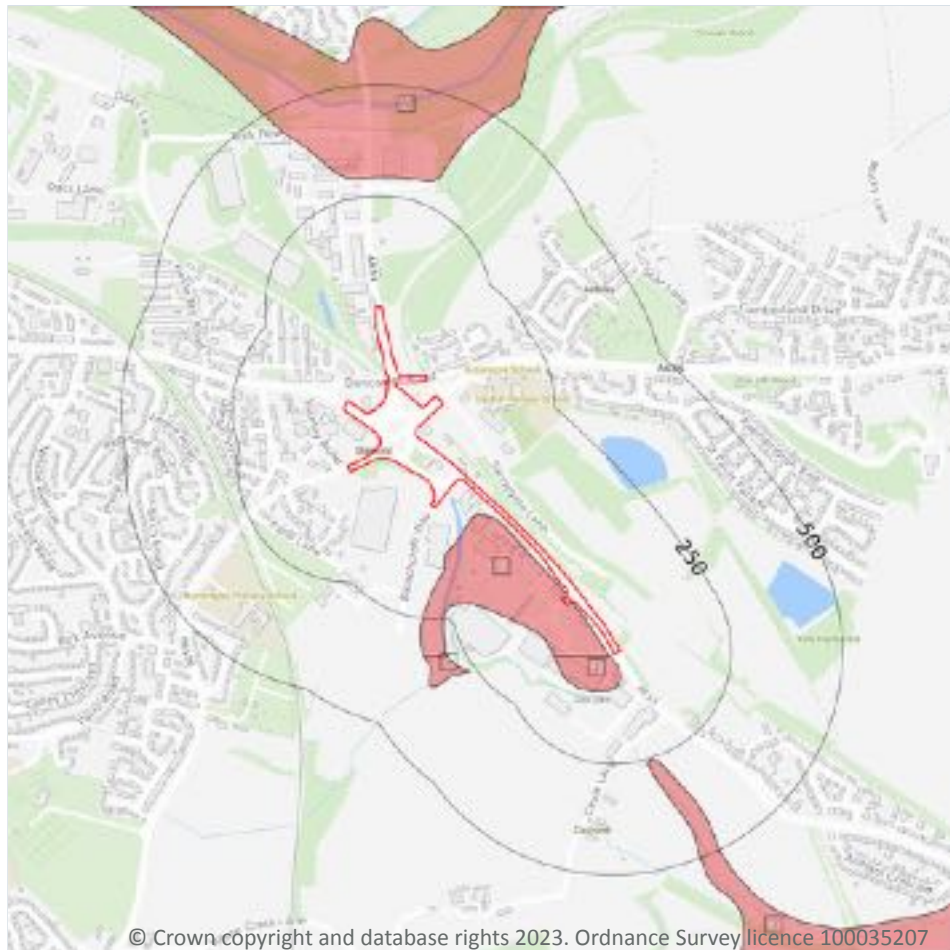
0

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

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



5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 75 >](#)

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	11m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	253m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	263m 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
5	291m N	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 77 >](#)

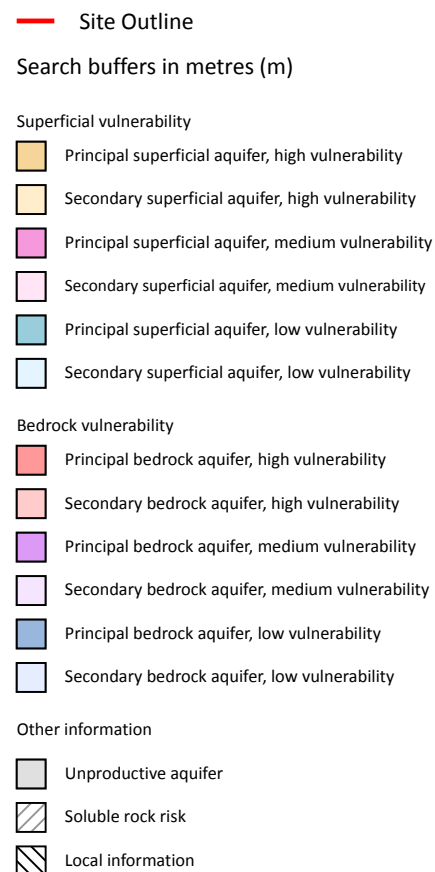
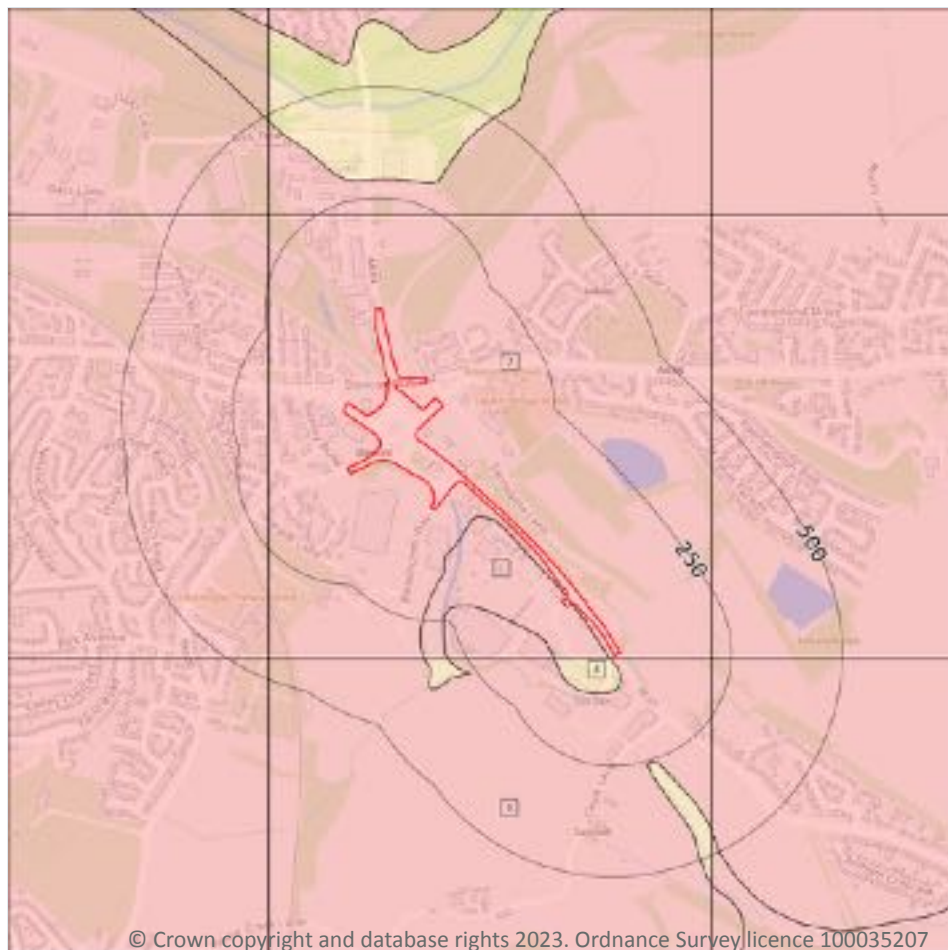
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	8m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

4

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 79](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
3	7m SE	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	11m SE	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	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

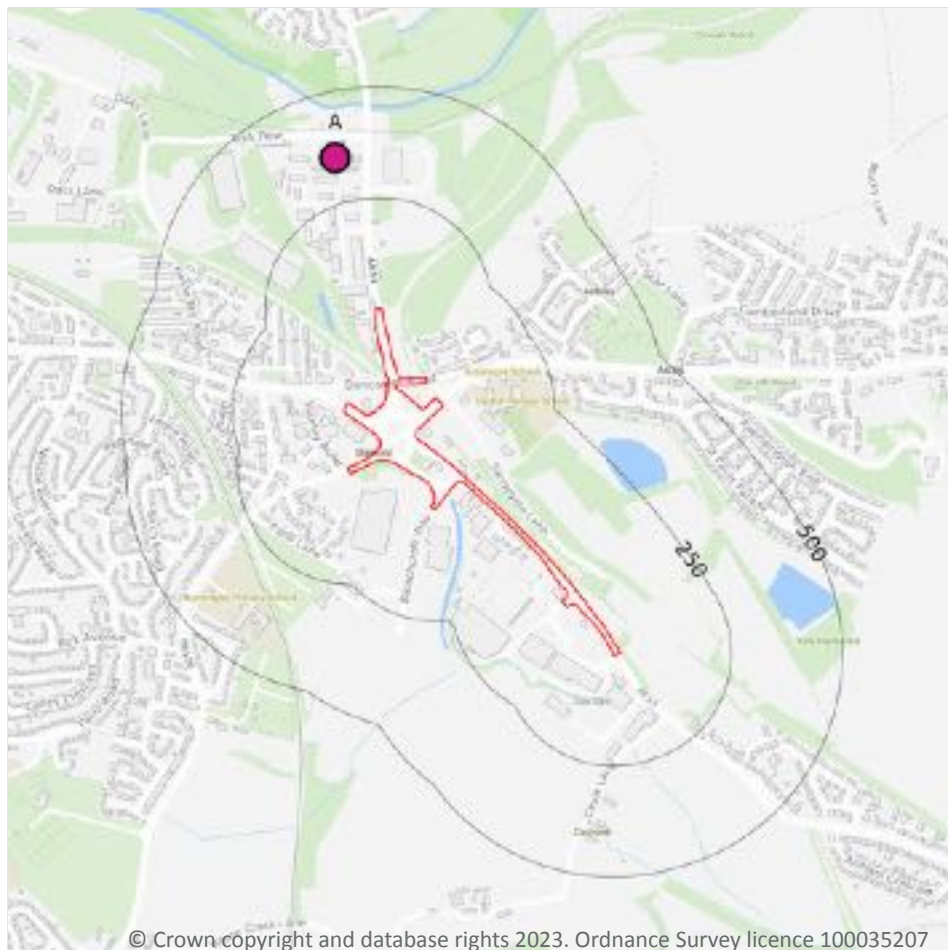
0

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

6

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 81](#) >

ID	Location	Details	
A	353m N	Status: Historical Licence No: 2/27/08/124 Details: General Washing/Process Washing Direct Source: GROUNDWATERS Point: WELL - SUPERFICIAL DRIFT - STAIRFOOT Data Type: Point Name: C SOAR & SONS Easting: 437150 Northing: 406130	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/07/1999 Expiry Date: - Issue No: 100 Version Start Date: 14/07/1999 Version End Date: -
A	353m N	Status: Historical Licence No: 2/27/08/124 Details: General Washing/Process Washing Direct Source: GROUNDWATERS Point: WELL - SUPERFICIAL DRIFT - STAIRFOOT Data Type: Point Name: C SOAR & SONS Easting: 437150 Northing: 406130	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/07/1999 Expiry Date: - Issue No: 100 Version Start Date: 14/07/1999 Version End Date: -
-	1253m E	Status: Historical Licence No: 2/27/08/029 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING NO1 Data Type: Point Name: LOW LAITHES DAIRY FARM LTD Easting: 438900 Northing: 405600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 09/01/1990 Version End Date: -
-	1253m E	Status: Historical Licence No: 2/27/08/029 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING NO1 - LOW LAITHES Data Type: Point Name: LOW LAITHES DAIRY FARM LTD Easting: 438900 Northing: 405600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 09/01/1990 Version End Date: -
-	1309m E	Status: Historical Licence No: 2/27/08/029 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING NO2 Data Type: Point Name: LOW LAITHES DAIRY FARM LTD Easting: 439100 Northing: 405100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 09/01/1990 Version End Date: -



ID	Location	Details	
-	1309m E	Status: Historical Licence No: 2/27/08/029 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING NO2 - LOW LAITHES Data Type: Point Name: LOW LAITHES DAIRY FARM LTD Easting: 439100 Northing: 405100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 09/01/1990 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	5
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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 81 >](#)

ID	Location	Details	
-	1772m S	Status: Historical Licence No: 2/27/08/128 Details: Make-Up or Top Up Water Direct Source: SURFACE WATER Point: INLAND WATER - RIVER DOVE Data Type: Line Name: NUTTALL Easting: 436550 Northing: 403450	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 13/09/2002 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 13/09/2002 Version End Date: -
-	1863m NW	Status: Historical Licence No: 2/27/08/122 Details: Make-Up or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE Data Type: Point Name: BARNSELEY METROPOLITAN BOROUGH COUNCIL Easting: 435710 Northing: 406850	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 07/10/1998 Expiry Date: 31/10/2006 Issue No: 101 Version Start Date: 01/08/2002 Version End Date: -



ID	Location	Details	
-	1863m NW	Status: Historical Licence No: 2/27/08/122 Details: Make-Up or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE Data Type: Point Name: BARNSELEY METROPOLITAN BOROUGH COUNCIL Easting: 435710 Northing: 406850	Annual Volume (m ³): 7800 Max Daily Volume (m ³): 86.6 Original Application No: - Original Start Date: 07/10/1998 Expiry Date: 31/10/2006 Issue No: 101 Version Start Date: 01/08/2002 Version End Date: -
-	1863m NW	Status: Historical Licence No: 2/27/08/141 Details: Make-Up Or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE Data Type: Point Name: BARNSELEY METROPOLITAN BOROUGH COUNCIL Easting: 435710 Northing: 406850	Annual Volume (m ³): 7800 Max Daily Volume (m ³): 86.6 Original Application No: - Original Start Date: 13/03/2007 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -
-	1866m NW	Status: Active Licence No: 2/27/08/141/R01 Details: Make-Up Or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE AT DEARNE VALLEY COUNTRY PARK Data Type: Point Name: BARNSELEY METROPOLITAN BOROUGH COUNCIL Easting: 435704 Northing: 406846	Annual Volume (m ³): 5850 Max Daily Volume (m ³): 86.6 Original Application No: NPS/WR/021590 Original Start Date: 12/04/2017 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 01/04/2019 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 MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

12

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

Features are displayed on the Hydrology map on [page 86 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
1	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
4	14m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	107m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Dob Sike
C	111m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Dob Sike
C	118m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Dob Sike
C	118m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	120m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Dob Sike
A	156m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
8	165m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	181m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Dob Sike
D	214m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Dob Sike
E	222m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Dob Sike

This data is sourced from the Ordnance Survey.



6.2 Surface water features

Records within 250m

5

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

Features are displayed on the Hydrology map on [page 86 >](#)

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 86 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River	Dove from Source to River Dearne	GB104027057510	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 86 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	955m SE	River	Dove from Source to River Dearne	GB104027057510 ↗	Moderate	Fail	Moderate	2019



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

6.5 WFD Groundwater bodies

Records on site

1

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

Features are displayed on the Hydrology map on [page 86](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
3	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

0

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).

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



7.2 Historical Flood Events

Records within 250m

2

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

Features are displayed on the River and coastal flooding map on [page 90 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
2	205m N	123 March 1947	1947-03-19 1947-03-22	Main river	Channel capacity exceeded (no raised defences)	Fluvial
3	211m E	June 2007 Surface Water Flooding Yorkshire	2007-06-15 2007-06-25	Other	Unknown	No data

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

7.6 Flood Zone 2

Records within 50m	0
--------------------	---

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.

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

7.7 Flood Zone 3

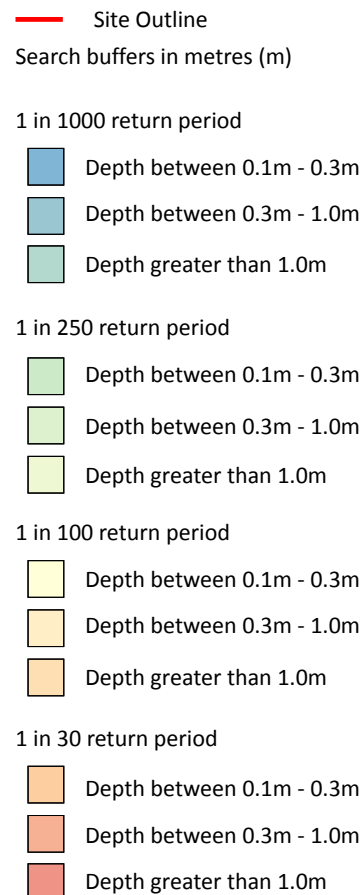
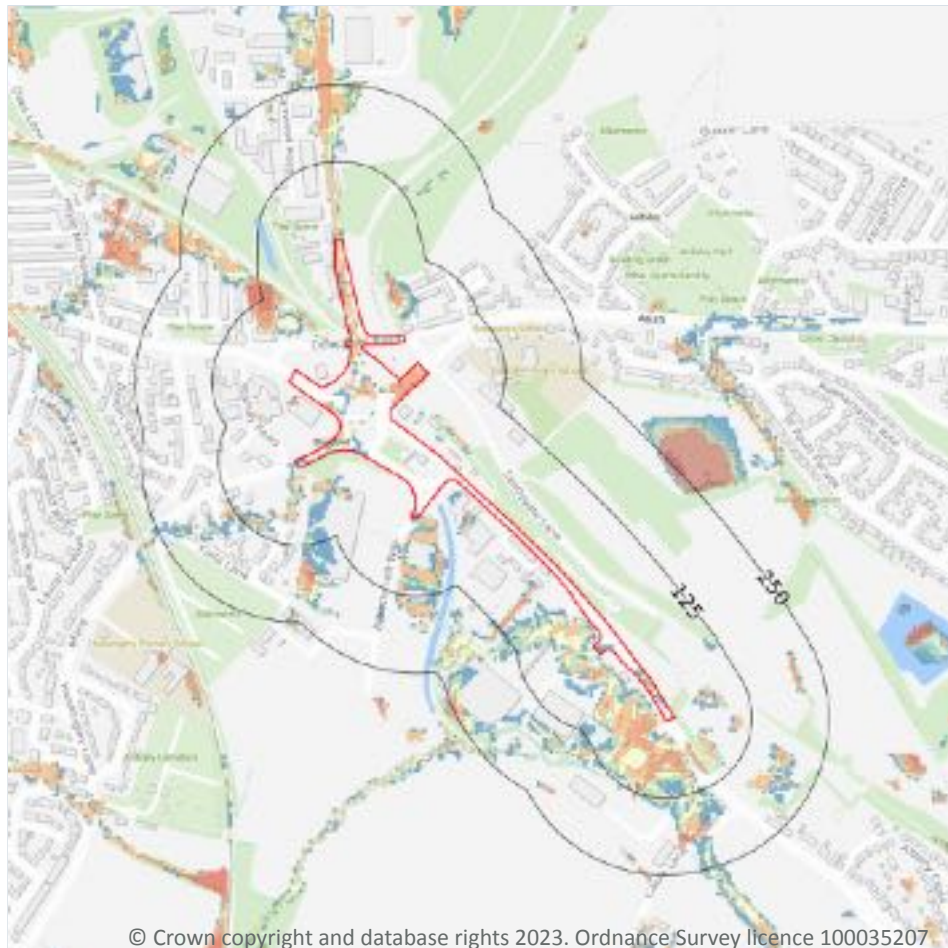
Records within 50m	0
--------------------	---

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.

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 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 94 >](#)

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.

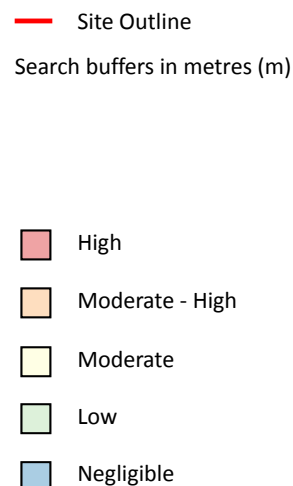
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Negligible

Highest risk within 50m

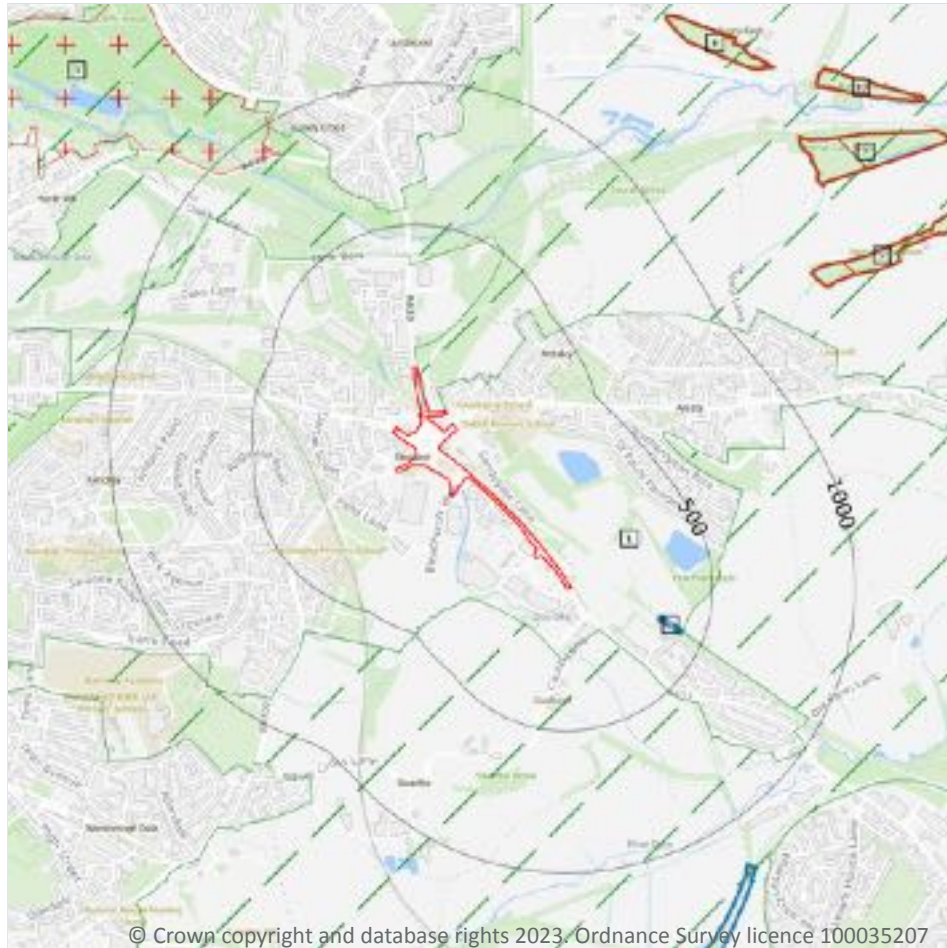
Negligible

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 96](#) >

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)
- Designated Ancient Woodland
- 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 97](#) >

ID	Location	Name	Data source
2	329m SE	Stairfoot Brickworks	Natural England



ID	Location	Name	Data source
4	1157m SE	Dearne Valley Wetlands	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 97 >](#)

ID	Location	Name	Data source
3	885m NW	Dearne Valley Park	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

7

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.

Features are displayed on the Environmental designations map on [page 97 >](#)

ID	Location	Name	Woodland Type
5	1348m NE	Unknown	Ancient & Semi-Natural Woodland
6	1489m NE	Unknown	Ancient & Semi-Natural Woodland
7	1540m NE	Unknown	Ancient & Semi-Natural Woodland
-	1620m S	Wombwell Wood	Ancient Replanted Woodland
-	1632m S	Wombwell Wood	Ancient & Semi-Natural Woodland
10	1719m NE	Unknown	Ancient & Semi-Natural Woodland
-	1962m S	Wombwell Wood	Ancient Replanted Woodland

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 97 >](#)

ID	Location	Name	Local Authority name
1	On site	South and West Yorkshire	Barnsley
-	1762m SW	South and West Yorkshire	Barnsley

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
193m N	River Dearne NVZ	Surface Water	278	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

2

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 103](#) >

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.
2	On site	Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha. Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.

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 103 >](#)

ID: A
 Location: 329m SE
 SSSI name: Stairfoot Brickworks
 Unit name: Embankment
 Broad habitat: Earth Heritage
 Condition: Favourable



Reportable features:

Feature name	Feature condition	Date of assessment
ED - Westphalian	Favourable	15/03/2006

ID: 5
Location: 1157m SE
SSSI name: Dearne Valley Wetlands
Unit name: Railway Woodland
Broad habitat: Broadleaved, Mixed And Yew Woodland - 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 - 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

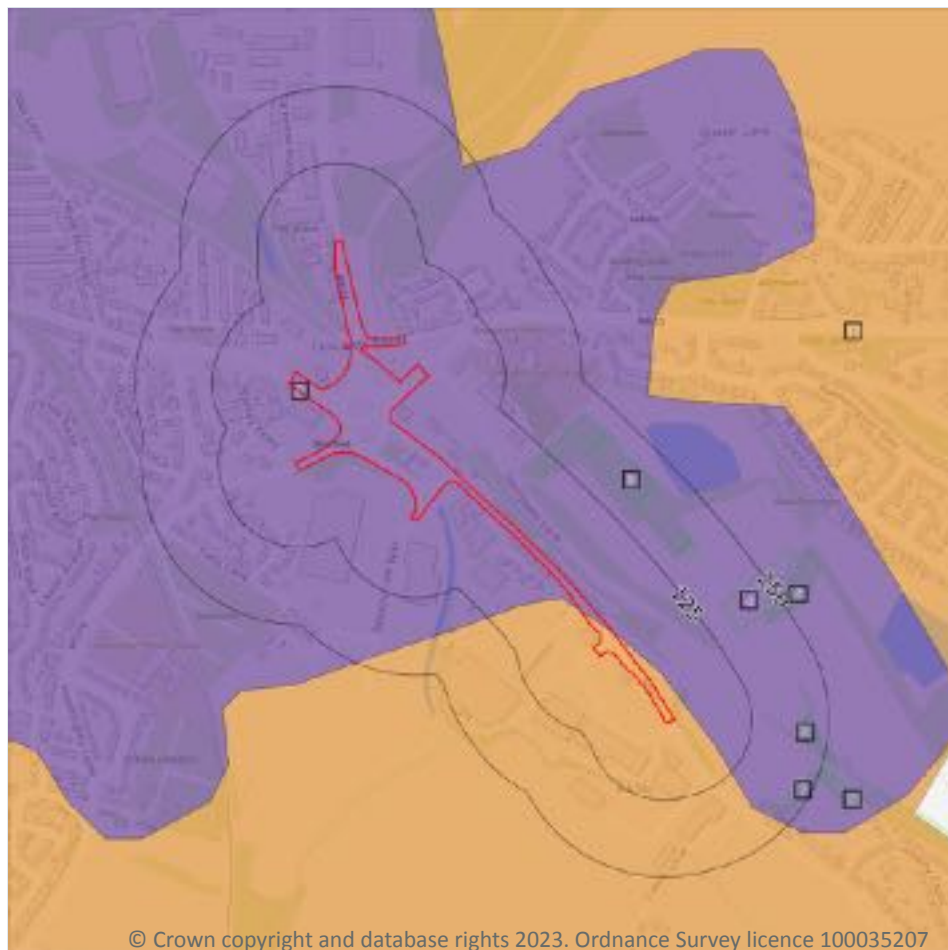
0

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



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- 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 108](#) >

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



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

6

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

Features are displayed on the Agricultural designations map on [page 108 >](#)

ID	Location	Description	Reference	Application date
3	87m E	Selective Fell/Thin (Unconditional)	012/16/16-17	22/06/2016
4	159m SE	Selective Fell/Thin (Unconditional)	012/16/16-17	22/06/2016
5	198m SE	Selective Fell/Thin (Unconditional)	012/16/16-17	22/06/2016
6	213m SE	Selective Fell/Thin (Unconditional)	012/16/16-17	22/06/2016
7	222m SE	Selective Fell/Thin (Unconditional)	012/16/16-17	22/06/2016
8	246m SE	Selective Fell/Thin (Unconditional)	012/16/16-17	22/06/2016

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
184m SE	468988	Countryside Stewardship (Higher Tier)	01/01/2018	31/12/2022

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

13

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 111](#) >

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	2m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	18m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
5	18m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	24m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	44m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	52m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	65m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	76m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	153m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	159m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	215m NW	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

2

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

Features are displayed on the Habitat designations map on [page 111](#) >

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
11	139m S	NLUD Ref: 440800270	Low	National Land Use Database - Previously Developed Land	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography
14	199m E	BRITPITS ref: 214	Low	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.



13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline**
- Search buffers in metres (m)
- Full coverage
 - Partial coverage
 - No coverage

14.1 10k Availability

Records within 500m

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 114](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SE30NE
2	8m SE	Full	Full	Full	Full	SE30SE

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

27

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 115 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

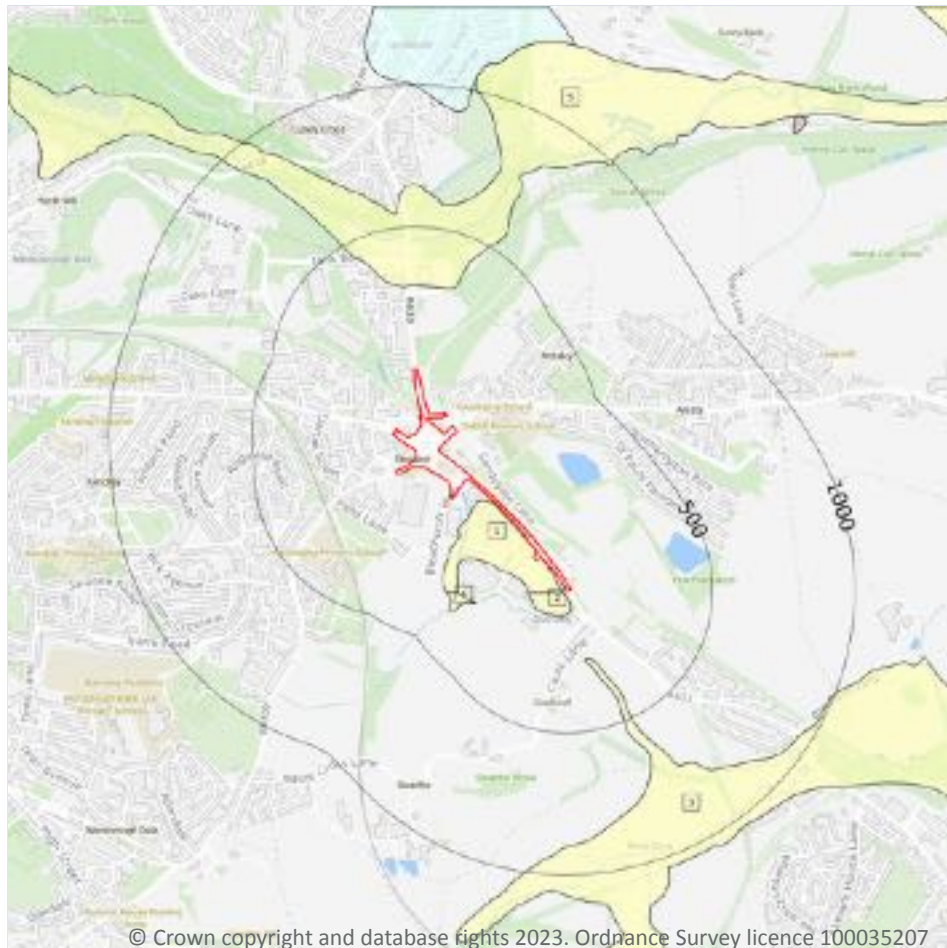


ID	Location	LEX Code	Description	Rock description
5	24m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	26m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	104m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	119m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit
9	135m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
10	155m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	155m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	176m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	187m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	188m E	WGR-VOID	Worked Ground (Undivided)	Void
11	213m SE	WGR-VOID	Worked Ground (Undivided)	Void
C	236m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
12	257m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
C	290m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
13	294m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
14	329m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
15	331m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
16	337m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
17	365m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
D	386m SW	WGR-VOID	Worked Ground (Undivided)	Void
D	401m SW	WGR-VOID	Worked Ground (Undivided)	Void
E	403m SW	WGR-VOID	Worked Ground (Undivided)	Void
18	452m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

5

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 117 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZ	Alluvium - Clay And Silt	Clay And Silt
2	13m SE	ALV-XCZ	Alluvium - Clay And Silt	Clay And Silt
3	249m SE	ALV-XCZ	Alluvium - Clay And Silt	Clay And Silt
4	260m S	ALV-XCZ	Alluvium - Clay And Silt	Clay And Silt



ID	Location	LEX Code	Description	Rock description
5	291m N	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

17

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 119](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
2	8m SE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
4	78m NW	OR-SDST	Oaks Rock - Sandstone	Duckmantian Sub-age



ID	Location	LEX Code	Description	Rock age
5	116m SE	OR-SDST	Oaks Rock - Sandstone	Duckmantian Sub-age
8	172m N	ACR-SDST	Ackton Rock - Sandstone	Bolsovia Sub-age
9	177m W	OR-SDST	Oaks Rock - Sandstone	Duckmantian Sub-age
10	190m SE	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
12	293m N	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
15	319m N	OR-SDST	Oaks Rock - Sandstone	Duckmantian Sub-age
17	334m NE	ACR-SDST	Ackton Rock - Sandstone	Bolsovia Sub-age
18	358m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
19	364m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
20	380m SE	ACR-SDST	Ackton Rock - Sandstone	Bolsovia Sub-age
21	384m S	OR-SDST	Oaks Rock - Sandstone	Duckmantian Sub-age
23	442m SE	OR-SDST	Oaks Rock - Sandstone	Duckmantian Sub-age
25	467m S	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
26	480m S	OR-SDST	Oaks Rock - Sandstone	Duckmantian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

13

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 119](#) >

ID	Location	Category	Description
3	37m N	FOSSIL_HORIZON	Fossil horizon, marine band
6	116m SE	FAULT	Normal fault, inferred
7	146m W	FAULT	Normal fault, inferred

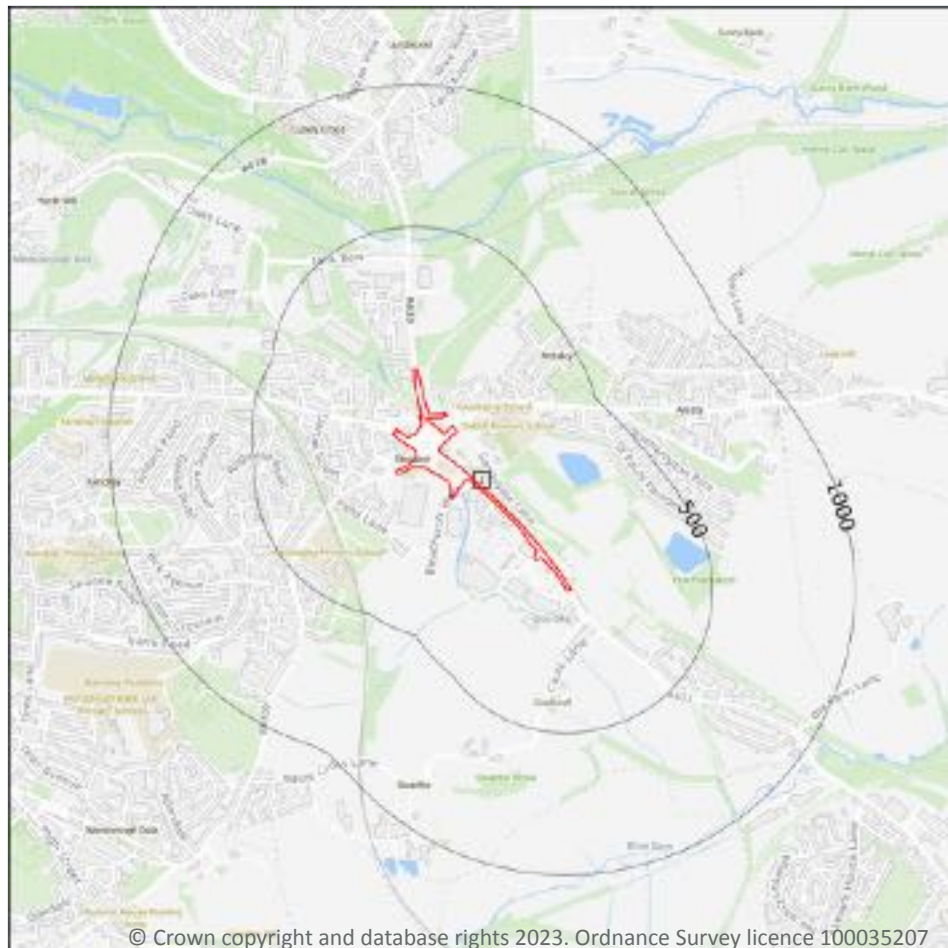


ID	Location	Category	Description
11	260m SE	FOSSIL_HORIZON	Fossil horizon, marine band
13	293m N	FAULT	Normal fault, inferred
14	294m N	FOSSIL_HORIZON	Fossil horizon, marine band
16	328m SE	FAULT	Normal fault, inferred
22	420m S	FOSSIL_HORIZON	Fossil horizon, marine band
24	442m SE	FAULT	Normal fault, inferred
27	480m S	FAULT	Normal fault, inferred
28	484m NE	ROCK	Coal seam, observed
29	496m NE	ROCK	Coal seam, inferred
30	498m NE	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)

☐ 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 122](#) >

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

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15.2 Artificial and made ground (50k)

Records within 500m

6

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 123](#) >

ID	Location	LEX Code	Description	Rock description
1	28m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	123m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
A	153m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
A	179m E	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID



ID	Location	LEX Code	Description	Rock description
3	339m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	446m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

1

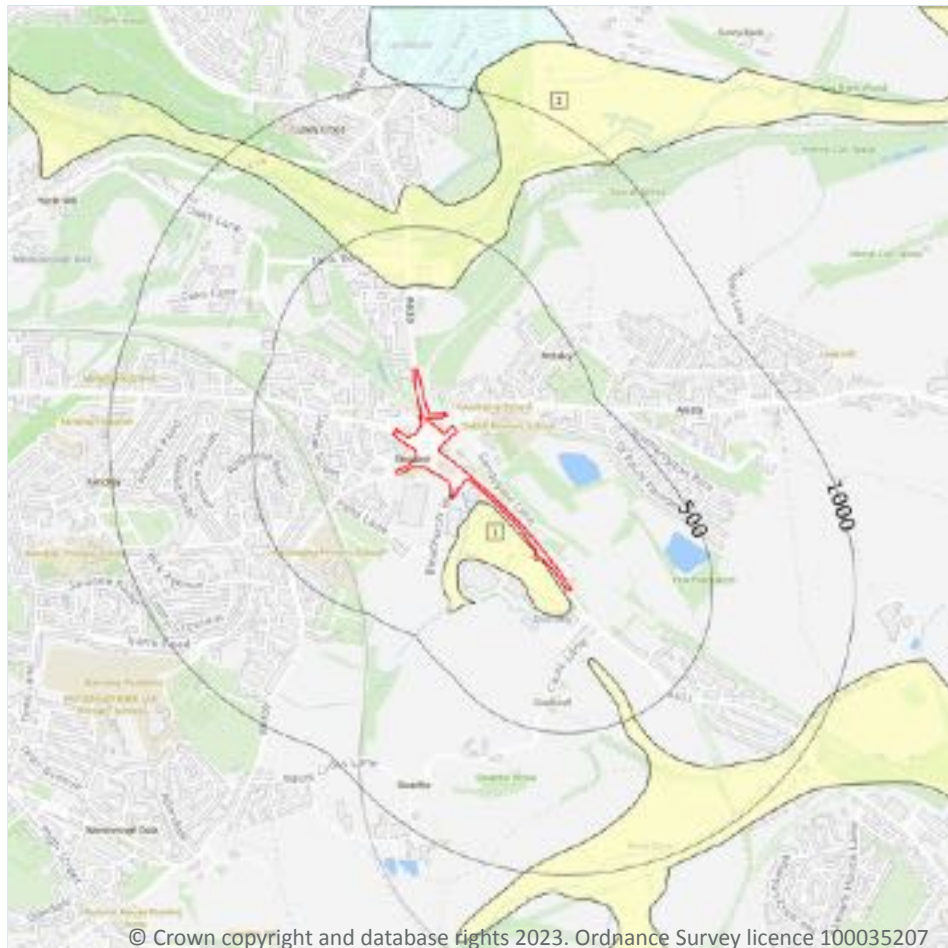
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
28m SE	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

2

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 125 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZ	ALLUVIUM	CLAY AND SILT
2	253m SE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

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	Low	Very Low
11m SE	Intergranular	Low	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

14

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 127 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	76m NW	OR-SDST	OAKS ROCK - SANDSTONE	WESTPHALIAN
4	116m SE	OR-SDST	OAKS ROCK - SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
7	173m NE	ACR-SDST	ACKTON ROCK - SANDSTONE	WESTPHALIAN
8	178m W	OR-SDST	OAKS ROCK - SANDSTONE	WESTPHALIAN
9	293m N	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	319m N	OR-SDST	OAKS ROCK - SANDSTONE	WESTPHALIAN
13	334m NE	ACR-SDST	ACKTON ROCK - SANDSTONE	WESTPHALIAN
14	350m S	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
16	366m NE	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
18	442m SE	OR-SDST	OAKS ROCK - SANDSTONE	WESTPHALIAN
20	469m S	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
21	480m S	OR-SDST	OAKS ROCK - SANDSTONE	WESTPHALIAN
23	496m NE	GH-SDST	GLASS HOUGHTON ROCK - SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	2
---------------------------	----------

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Moderate	Low
8m SE	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.



15.10 Bedrock faults and other linear features (50k)

Records within 500m

10

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 127](#) >

ID	Location	Category	Description
2	37m N	FOSSIL_HORIZON	Marine band
5	116m SE	FAULT	Fault, inferred
6	146m W	FAULT	Fault, inferred, displacement unknown
10	293m N	FAULT	Fault, inferred
11	293m N	FOSSIL_HORIZON	Marine band
15	351m SE	FAULT	Fault, inferred
17	420m S	FOSSIL_HORIZON	Marine band
19	442m SE	FAULT	Fault, inferred
22	480m S	FAULT	Fault, inferred
24	496m NE	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



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— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

9

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 130](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	437301 405520	A635/A633/B6100 IMPROVEMENT 59BHS	-1.0	N	83567 ↗
2	38m NE	437430 405560	LOOKERS BARNSELY TP 1	2.5	N	15394994 ↗

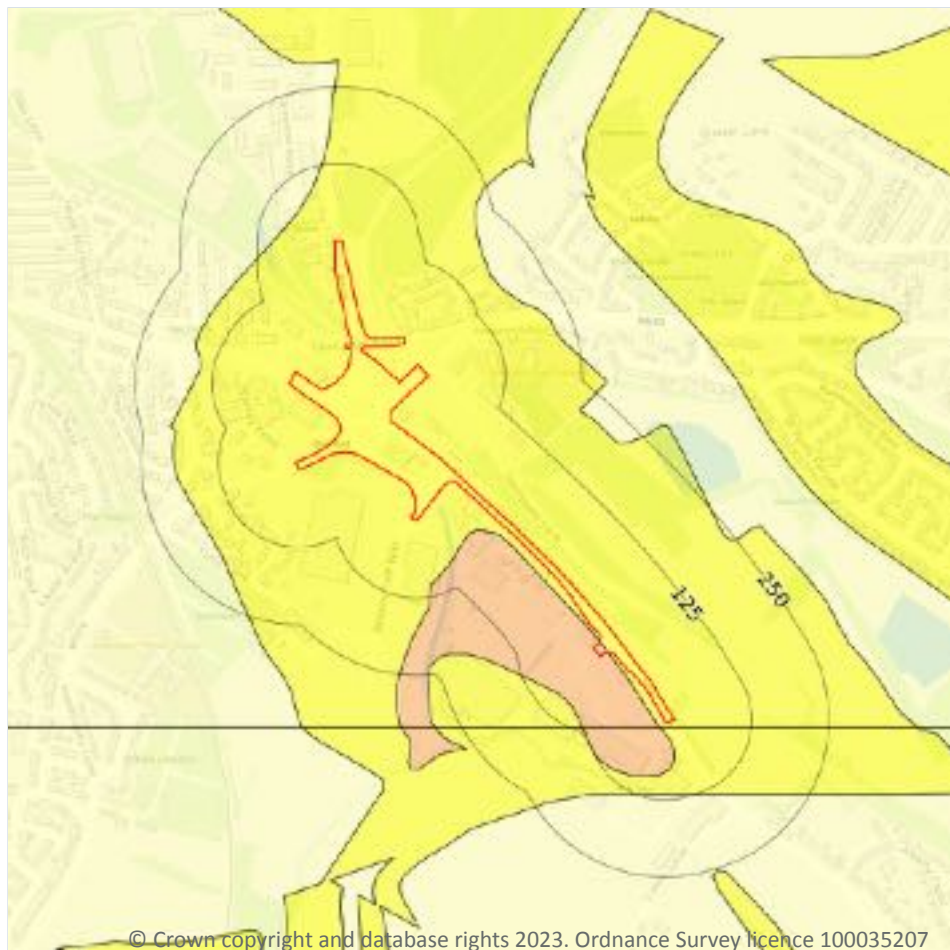


ID	Location	Grid reference	Name	Length	Confidential	Web link
3	47m SE	437565 405360	NEW OAKS COLLIERY	308.15	N	83500 ↗
4	51m NE	437440 405590	LOOKERS BARNSELEY TP 2	3.0	N	15395000 ↗
5	84m E	437582 405395	NEW OAKS SURFACE BH	404.16	N	83508 ↗
6	98m NE	437490 405550	LOOKERS BARNSELEY TP 3	2.4	N	15395001 ↗
7	108m W	437072 405450	CELL SITE 3613 BARNSELEY KENDRAY 1	2.8	N	18917270 ↗
8	113m NE	437500 405510	LOOKERS BARNSELEY TP 4	2.6	N	15395002 ↗
9	126m E	437540 405490	LOOKERS BARNSELEY TP 5	2.6	N	15395005 ↗

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

4

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 132 >](#)

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
On site	Low	Ground conditions predominantly medium plasticity.
8m SE	Very low	Ground conditions predominantly low plasticity.



Location	Hazard rating	Details
11m SE	Low	Ground conditions predominantly medium plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

5

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 134 >](#)

Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

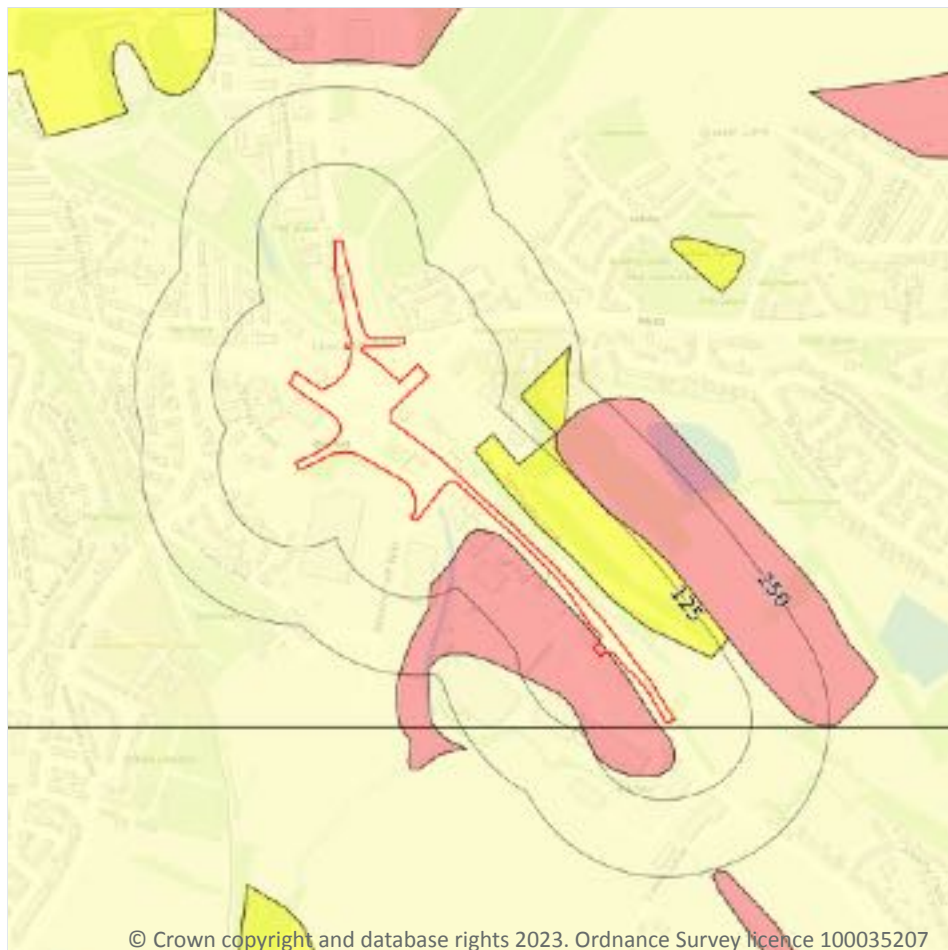


Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
8m SE	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.
11m SE	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
28m SE	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

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17.3 Compressible deposits

Records within 50m

5

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 136](#) >

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



Location	Hazard rating	Details
8m SE	Negligible	Compressible strata are not thought to occur.
11m SE	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
28m SE	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



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

17.4 Collapsible deposits

Records within 50m

4

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 138 >](#)

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.
8m SE	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.



Location	Hazard rating	Details
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11m SE	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
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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

5

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 140](#) >

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.



Location	Hazard rating	Details
3m N	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
8m SE	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.
24m NW	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
30m W	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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

17.6 Ground dissolution of soluble rocks

Records within 50m

2

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 142](#) >

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.

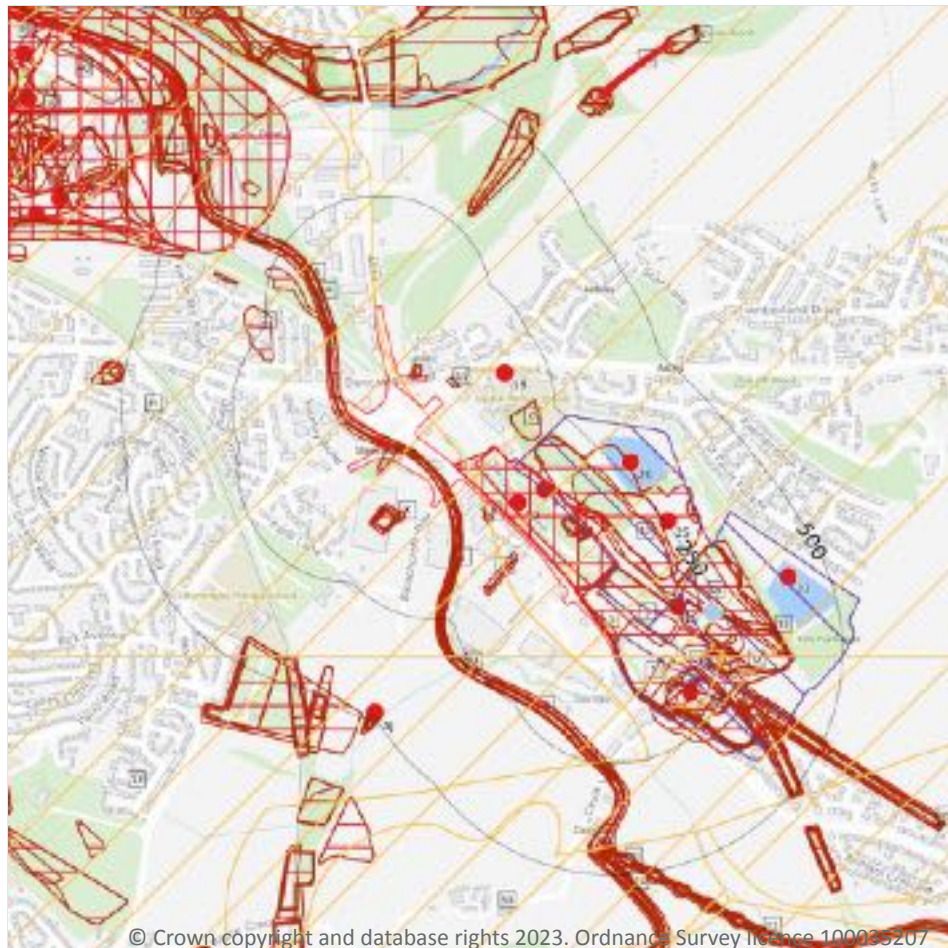


Location	Hazard rating	Details
8m SE	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- 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 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.

18.2 BritPits

Records within 500m

9

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, ground workings and natural cavities map on [page 144 >](#)

ID	Location	Details	Description
10	33m SE	Name: New Oaks Colliery Address: Stairfoot, WORSBROUGH, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
15	98m E	Name: New Oaks Colliery Shaft Address: Stairfoot, BARNSELEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
18	155m NE	Name: Ardsley Bindstone Quarry Address: Ardsley, BARNSELEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
19	162m SE	Name: Stairfoot Brickworks No 2 Address: Stairfoot, BARNSELEY, South Yorkshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
F	181m SE	Name: Stairfoot Brickworks Address: Stairfoot, BARNSELEY, South Yorkshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
25	257m E	Name: Stairfoot Brick Pit Address: Stairfoot, BARNSELEY, South Yorkshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
26	279m E	Name: Stairfoot Brick Pit Address: Stairfoot, BARNSELEY, South Yorkshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
33	414m E	Name: Stairfoot Brick Pit Address: Stairfoot, BARNSELEY, South Yorkshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AJ	479m S	Name: Dob Sike Address: Stairfoot, BARNSELEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

99

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, ground workings and natural cavities map on [page 144](#) >



ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Water Bodies	1974	1:10000
2	On site	Pond	1966	1:10560
3	On site	Unspecified Ground Workings	1948	1:10560
4	On site	Canal	1850	1:10560
A	On site	Canal	1938	1:10560
A	On site	Canal	1904	1:10560
A	On site	Canal	1890	1:10560
A	On site	Canal	1948	1:10560
A	On site	Disused Canal	1966	1:10560
A	On site	Canal	1951	1:10560
B	On site	Canal	1948	1:10560
B	On site	Canal	1904	1:10560
B	On site	Canal	1938	1:10560
B	On site	Canal	1938	1:10560
B	On site	Canal	1931	1:10560
C	On site	Canal	1890	1:10560
D	On site	Brick Works	1938	1:10560
D	On site	Brick Works	1938	1:10560
D	On site	Brick Works	1938	1:10560
D	On site	Brick Works	1931	1:10560
E	On site	Unspecified Heap	1948	1:10560
F	On site	Brick Works	1948	1:10560
G	On site	Colliery	1904	1:10560
E	0m N	Unspecified Ground Workings	1904	1:10560
I	9m SE	Water Body	1992	1:10000
I	9m SE	Water Body	1982	1:10000
8	12m SE	Ponds	1890	1:10560
F	12m SE	Brick Works	1951	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
G	15m SE	Colliery	1890	1:10560
9	31m SE	Clay Pit	1992	1:10000
J	40m SE	Pond	1982	1:10000
11	42m N	Pond	1904	1:10560
J	47m SE	Pond	1890	1:10560
K	62m SW	Unspecified Heap	1938	1:10560
K	62m SW	Unspecified Heap	1931	1:10560
L	65m SE	Refuse Heap	1948	1:10560
L	70m SE	Refuse Heap	1938	1:10560
L	70m SE	Refuse Heap	1938	1:10560
L	73m SE	Refuse Heap	1951	1:10560
K	73m SW	Reservoir	1951	1:10560
K	73m SW	Reservoir	1938	1:10560
K	73m SW	Reservoir	1904	1:10560
K	74m SW	Reservoir	1948	1:10560
L	74m SE	Unspecified Ground Workings	1938	1:10560
L	74m SE	Unspecified Ground Workings	1938	1:10560
L	75m SE	Unspecified Heap	1948	1:10560
K	79m SW	Pond	1966	1:10560
L	80m SE	Unspecified Ground Workings	1951	1:10560
K	84m SW	Reservoir	1890	1:10560
K	85m SW	Reservoir	1850	1:10560
L	86m SE	Pond	1904	1:10560
F	89m SE	Brick Works	1904	1:10560
M	89m NW	Ponds	1992	1:10000
M	90m NW	Pond	1982	1:10000
M	90m NW	Pond	1974	1:10000
L	92m SE	Unspecified Pits	1904	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
N	109m E	Clay Pit	1992	1:10000
N	109m E	Clay Pit	1982	1:10000
N	112m E	Unspecified Quarry	1966	1:10560
N	112m E	Unspecified Disused Pit	1974	1:10000
F	112m SE	Disused Workings	1987	1:10000
A	114m NW	Refuse Heap	1904	1:10560
16	120m E	Unspecified Pit	1948	1:10560
17	121m E	Clay Pit	1951	1:10560
F	128m SE	Unspecified Pit	1951	1:10560
F	131m SE	Unspecified Pit	1904	1:10560
F	136m SE	Unspecified Ground Workings	1948	1:10560
F	138m SE	Unspecified Pit	1938	1:10560
F	138m SE	Unspecified Pit	1931	1:10560
F	139m SE	Unspecified Pit	1938	1:10560
F	139m SE	Unspecified Pit	1938	1:10560
O	152m E	Unspecified Heap	1992	1:10000
O	152m E	Unspecified Heap	1982	1:10000
P	153m SE	Refuse Heap	1974	1:10000
F	158m SE	Unspecified Pit	1966	1:10560
F	158m SE	Unspecified Disused Pit	1977	1:10000
20	181m SE	Canal	1966	1:10560
F	181m SE	Pond	1951	1:10560
21	183m SE	Disused Canal	1987	1:10000
P	183m SE	Clay Pit	1951	1:10560
Q	184m SE	Unspecified Disused Pit	1987	1:10000
F	184m SE	Pond	1966	1:10560
F	184m SE	Pond	1977	1:10000
C	190m SE	Cuttings	1951	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
22	193m NW	Unspecified Heap	1904	1:10560
Q	197m SE	Unspecified Pit	1948	1:10560
Q	197m SE	Unspecified Pit	1938	1:10560
Q	197m SE	Unspecified Pit	1938	1:10560
Q	198m SE	Unspecified Pit	1938	1:10560
Q	198m SE	Unspecified Pit	1931	1:10560
Q	203m SE	Unspecified Pit	1966	1:10560
Q	208m SE	Unspecified Ground Workings	1951	1:10560
23	209m SE	Disused Canal	1951	1:10560
Q	215m SE	Pond	1977	1:10000
P	216m SE	Unspecified Disused Pit	1992	1:10000
P	216m SE	Unspecified Disused Pit	1982	1:10000
Q	226m SE	Unspecified Pit	1966	1:10560
Q	236m SE	Unspecified Heap	1966	1:10560
24	250m S	Cuttings	1951	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

22

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, ground workings and natural cavities map on [page 144 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
G	On site	Colliery	1904	1:10560
G	15m SE	Colliery	1890	1:10560
W	316m NW	Colliery	1974	1:10000
W	316m NW	Unspecified Mine	1966	1:10560
V	348m NW	Colliery	1982	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
39	511m NW	Colliery	1951	1:10560
W	526m NW	Colliery	1938	1:10560
W	526m NW	Colliery	1904	1:10560
W	526m NW	Colliery	1890	1:10560
AN	583m NW	Colliery	1992	1:10000
AQ	624m NW	Colliery	1948	1:10560
AQ	624m NW	Colliery	1904	1:10560
AU	678m NE	Tunnel	1951	1:10560
AU	687m NE	Tunnel	1992	1:10000
AU	687m NE	Tunnel	1982	1:10000
AU	687m NE	Tunnel	1974	1:10000
AU	687m NE	Tunnel	1966	1:10560
AU	691m NE	Tunnel	1948	1:10560
AU	691m NE	Tunnel	1904	1:10560
-	842m S	Colliery	1904	1:10560
-	846m S	Colliery	1890	1:10560
BD	935m NW	Colliery	1992	1:10000

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	4
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Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining, ground workings and natural cavities map on [page 144 >](#)

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
5	On site	Stairfoot No.1	Clay, bricks	Surface mineral working	Valid	Not available
12	44m SE	Stairfoot No.2	Clay, bricks	Surface mineral working	Valid	Not available



ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
14	82m SE	Stairfoot No.2	Clay, bricks	Surface mineral working	Valid	Not available
F	146m SE	Stairfoot No.1	Clay, bricks	Surface mineral working	Valid	Not available

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	11
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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, ground workings and natural cavities map on [page 144 >](#)

ID	Location	Name	Commodity	Class	Likelihood
6	On site	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
H	On site	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
7	8m SE	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
13	69m SE	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
F	115m SE	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
Q	167m SE	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered



ID	Location	Name	Commodity	Class	Likelihood
30	369m S	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
35	445m SE	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
42	608m N	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	791m NW	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	873m S	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m	1
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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.

Features are displayed on the Mining, ground workings and natural cavities map on [page 144 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
P	225m SE	Stairfoot, South Yorkshire	Shale	MINERIAL PLANNING RIGHTS APPLICATION RECORDS.	UNPUBLISHED

This data is sourced from Stantec UK Ltd.



18.8 JPB mining areas

Records on site	0
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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.

18.9 Coal mining

Records on site	1
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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.

18.10 Brine areas

Records on site	0
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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.

18.11 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.



18.13 Clay mining

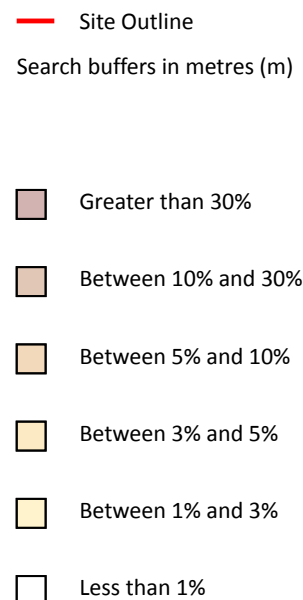
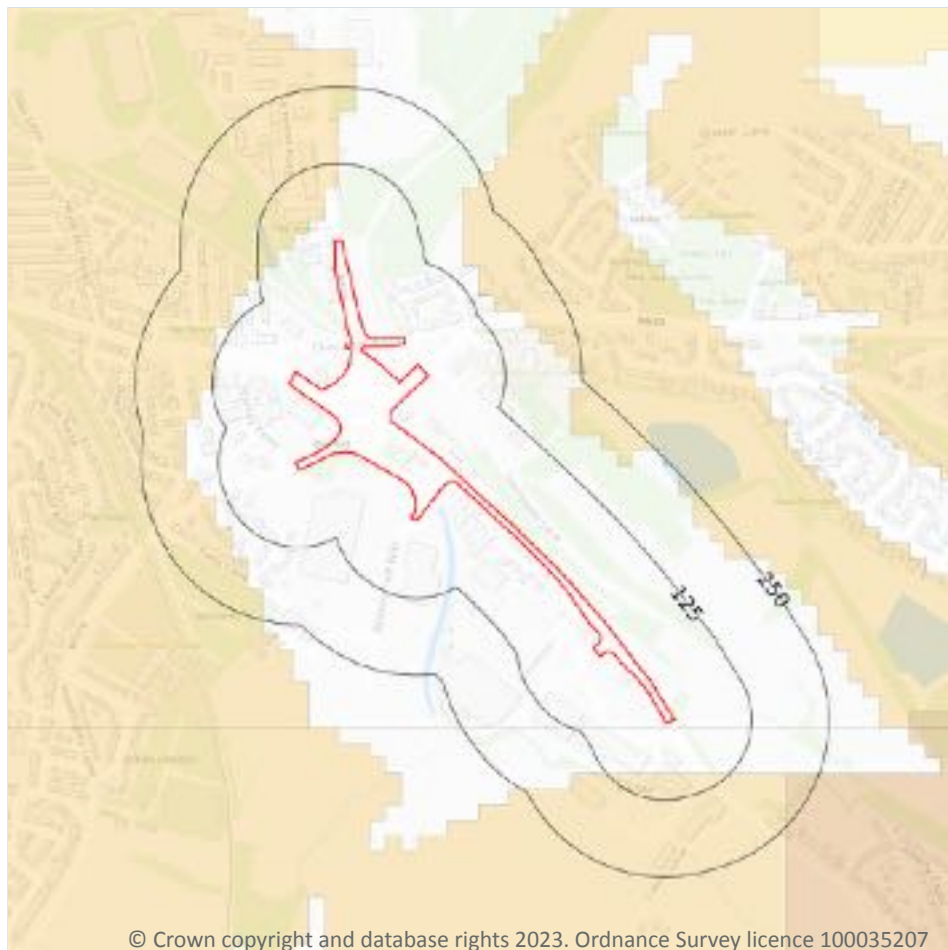
Records on site	0
-----------------	---

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 Radon



19.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 156](#) >

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.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

8

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 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
8m SE	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
8m SE	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
32m SE	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.



20.2 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.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

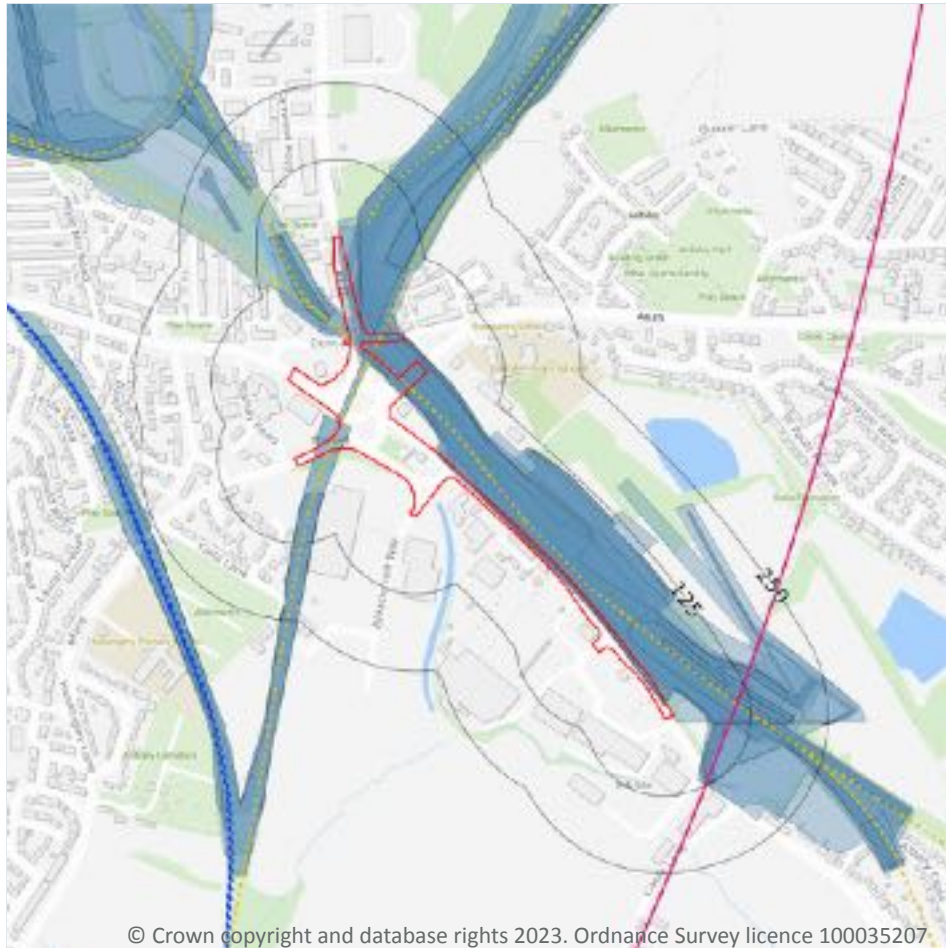
0

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.



21 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- 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

21.1 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.

21.2 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.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

80

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 160](#) >

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1960	1250
On site	Railway Sidings	1906	2500
On site	Railway Sidings	1892	2500
On site	Railway Sidings	1960	2500
On site	Railway Sidings	1893	2500
On site	Railway Sidings	1931	2500
On site	Railway	1906	-
On site	Railway	1931	-
On site	Railway	1890	-
On site	Railway	1904	-
On site	Railway	1929	-
On site	Railway	1928	-
On site	Railway Sidings	1960	2500
On site	Railway Sidings	1948	10560
On site	Railway Sidings	1904	10560
On site	Railway Sidings	1890	10560
On site	Railway Sidings	1938	10560



Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1931	10560
On site	Railway Sidings	1982	10000
On site	Railway Sidings	1966	10560
On site	Railway Sidings	1951	10560
1m SE	Railway Sidings	1983	1250
1m NW	Railway Sidings	1960	2500
2m SE	Railway Sidings	1893	2500
2m NW	Railway Sidings	1960	1250
5m N	Railway Sidings	1904	10560
8m SE	Railway Sidings	1960	1250
14m NW	Railway Sidings	1948	10560
15m SE	Railway Sidings	1974	10000
16m SE	Railway Sidings	1931	2500
22m SE	Railway Sidings	1960	2500
22m NW	Railway Sidings	1960	2500
22m NW	Railway Sidings	1960	1250
23m SE	Railway Sidings	1906	2500
24m SE	Railway Sidings	1931	2500
25m NW	Railway Sidings	1938	10560
25m NW	Railway Sidings	1904	10560
29m N	Railway Sidings	1906	2500
29m N	Railway Sidings	1931	2500
31m NW	Railway Sidings	1906	2500
31m NW	Railway Sidings	1892	2500
31m NW	Railway Sidings	1929	10560
31m N	Railway Sidings	1893	2500
43m NE	Railway Sidings	1960	1250
45m SE	Railway Sidings	1906	2500



Location	Land Use	Year of mapping	Mapping scale
48m SW	Railway	1931	-
48m SW	Railway	1906	-
49m SE	Railway Sidings	1938	10560
49m SE	Railway Sidings	1931	10560
52m SE	Railway Sidings	1931	2500
60m SE	Railway Sidings	1960	1250
61m N	Railway Sidings	1938	10560
61m N	Railway Sidings	1931	10560
63m N	Railway Sidings	1931	2500
66m N	Railway Sidings	1906	2500
66m E	Railway Sidings	1960	1250
68m SE	Railway Sidings	1951	10560
69m N	Railway Sidings	1960	1250
70m N	Railway Sidings	1960	2500
76m SE	Railway Sidings	1961	2500
76m SE	Railway Sidings	1906	2500
123m SE	Railway Sidings	1983	1250
124m SE	Railway Sidings	1961	2500
125m SE	Railway Sidings	1960	1250
131m SE	Railway Sidings	1961	2500
147m NW	Railway Sidings	1948	10560
149m NW	Railway Sidings	1948	10560
149m NW	Railway Sidings	1929	10560
154m SE	Tramway Sidings	1951	10560
155m NW	Railway Sidings	1929	10560
161m NW	Railway Sidings	1904	10560
170m NW	Railway Sidings	1890	10560
173m SE	Tunnel	1931	2500



Location	Land Use	Year of mapping	Mapping scale
179m SE	Tunnel	1961	2500
182m SE	Railway Sidings	1960	1250
184m SE	Railway Sidings	1893	2500
208m SE	Tunnel	1961	2500
211m SE	Railway Sidings	1961	2500
217m SE	Railway Sidings	1961	2500
242m SE	Railway Sidings	1966	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 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.

21.6 Historical railways

Records within 250m

17

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 160](#) >

Location	Description
On site	Abandoned
On site	Abandoned
On site	Dismantled
On site	Dismantled
On site	Razed
On site	Razed



Location	Description
3m W	Abandoned
4m N	Abandoned
7m NW	Abandoned
15m SE	Abandoned
15m SE	Dismantled
19m SE	Dismantled
28m W	Razed
35m NW	Dismantled
47m N	Abandoned
103m N	Abandoned
210m SE	Historic

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	0
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Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m	0
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The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

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

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m

2

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 160 >](#)

Location	Track Type	Speed (mph)	Speed (km/h)	Status
89m SE	Surface Running Track	224mph	360kph	Section is scheduled for cancellation
223m SE	Tunnel	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: <https://www.groundsure.com/terms-and-conditions-april-2023/> ↗.



APPENDIX E - HISTORICAL CONTAMINATION RISK ASSESSMENT

Desk Study Assessment of Potential Contamination Risk

Land Use Risk Assessment

An assessment has been carried out for a number of common past land uses, indicating the severity of risk rating that should be used. Where little is known about the site a more precautionary approach of the potential risks should be taken to highlight the uncertainty of knowledge regarding the potential risks. Where application recommendation is given to specific chemical testing that should be considered associated with an intrusive Ground Investigation (GI), however the exact scope of testing will be determined on a site-specific basis depending on the ground conditions present after completion of an appropriate intrusive GI.

Depending on the hydrogeology of the area and presence of any water-based receptors, leachate or groundwater testing may also need to be considered to classify the risks to these receptors.

Risk Classification

Based on the risk classification system set out in CIRIA C552, the following risk classifications have been used to define the potential risks to the identified potential future receptors.

Risk Term	Definition
Very High risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action being taken. Urgent investigation (if not already undertaken) and remediation very likely to be required.
High risk	Harm is likely to arise to a designated receptor for an identified hazard at the site without appropriate remedial action. Urgent investigation (if not already undertaken) and remediation likely to be required.
Moderate risk	It is possible that harm could arise to a designated receptor. It is relatively unlikely that such harm would be severe, or if any harm were to occur it is more likely that such harm would be relatively mild. Investigation normally required (if not already undertaken) to clarify risk; remediation may be required in the long-term.
Low risk	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at worst if any harm was realised, any effects would be mild. Investigation may be required (if not already undertaken) but remediation is unlikely to be required.
Very Low risk	There is a low possibility that harm could arise to a receptor. In the event of such harm occurring it is not likely to be severe. Investigation may be required (if not already undertaken) to confirm.

Potential Risk		Land Use	Contamination Testing			Comments
Risk Term	GI Colour Rating		Basic Screen	TPH CWG	BTEX & PCBs	
Very High	Red	Radioactive site	Specialist assessment required			
		Petrol/chemical plant	X	X		
		Metal works	X	X		Toxic metals
		Landfill site	X			Depending on infill used
		Dye works	X	X	X	
		Coke works	X	X	X	
		Gas works	X	X	X	
		Tannery	X			
		Petrol station	X	X	X	
		Oil depot	X	X	X	
High	Yellow	Infilled ground	X			Depending on infill used
		Heavy industry	X		X	
		Soap works	X		X	
		Power station	X			
		Garage	X	X		
		Timber yard	X			
		Abattoir	X			
		Colliery	X			
Moderate		Fabric mill	X		X	Very High if dye on site
		Foundry	X			
		Hospital	X			
		Food factory	X			
		Sewage works	X		X	
		Brewery	X			
		Coal yard	X			
		Light industry	X			
Low		Green	Colliery spoil	X		
	Offices/commercial		X			
	Storage/warehouse		X			
	Residential		X			
	Quarry		X			Unfilled
Very Low	Farm/agricultural		X			Unless chemicals used

APPENDIX F - CONCEPTUAL SITE MODEL

Ref.	Hazard	Source	Pathway	Receptor	Pollutant Linkage ?	Current anticipated risk (1) *	Comment	Action	Residual Risk *^
1	Heavy metals	Made Ground	Ingestion of soil & indoor dust	Site users	✓	Low / 100%	Ground investigation required to confirm risk potential	Subject to findings of Ground Investigation	Very Low
2	Carcinogenic PAHs	Made Ground	Ingestion of soil & indoor dust	Site users	✓	Low / 100%	Ground investigation required to confirm risk potential	Subject to findings of Ground Investigation	Very Low
3	TPH	Made Ground	Ingestion of soil & indoor dust	Site users	✓	Low / 100%	Ground investigation required to confirm risk potential	Subject to findings of Ground Investigation	Very Low
4	Sulphate	Made Ground	Direct contact	Concrete substructures	✓	Low / 100%	Ground investigation required to confirm risk potential	Subject to findings of Ground Investigation	Very Low
5	Leachable metals	Made Ground	Leaching to groundwater	Groundwater	✓	Low / 100%	Ground investigation required to confirm risk potential	Subject to findings of Ground Investigation	Very Low
6	Leachable PAH	Made Ground	Leaching to groundwater	Groundwater	✓	Low / 100%	Ground investigation required to confirm risk potential	Subject to findings of Ground Investigation	Very Low
7	Ground gases	Made Ground	Migration through the ground	Site users	✓	Very low / 100%	No buildings proposed as part of development works	No further action deemed necessary	Very Low
8	Mine gases	Shallow Mine Workings	Vertical migration through	Site users	✓	Very low / 100%	No buildings proposed as part of development works	No further action deemed necessary	Very Low
9	Radon	Bedrock	Vertical migration through	Site users	✓	Very low / 100%	Site not within radon affected area	No further action deemed necessary	Very Low
10	Invasive plant species	Invasive plant species	Direct contact	Concrete substructures	✓	Very low / 100%	None identified during site walkover survey undertaken	Maintain vigilance during construction	Very Low
11	Trees	On site trees	Direct contact	Concrete substructures	✓	Low / 100%	Dependent on volume change potential of soils and landscaping proposals	Dependent on final development proposals	Very Low
12	Flooding	River	Over land flow	On site buildings	✓	Very low / 100%	Site not within designated flood risk zone	No further action deemed necessary	Very Low

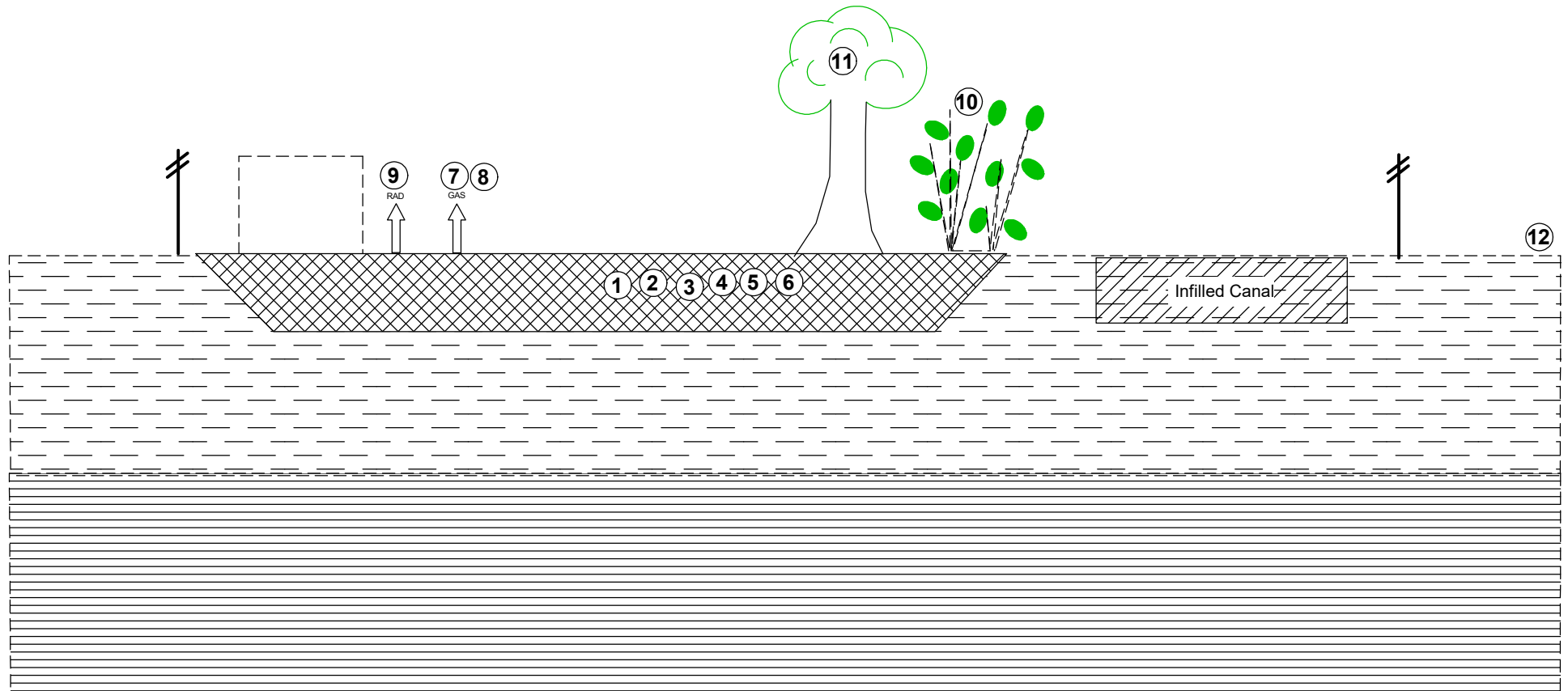
NOTES:

- (1) Anticipated risk over percentage site area.
 * Refer to Risk Matrix Table within report text.
 ^ Anticipated risk after carrying out action

CONCEPTUAL MODEL TABLE

Client : Barnsley Metropolitan Borough Council
 Project : Stairfoot Roundabout, Barnsley
 Job No : 151134-DS

Highway



Notes:

1. Diagram not to scale. This model is schematic only and does not reflect the specific ground conditions identified on or off the site.
2. See Conceptual Model Table for further details.
3. Sloping ground not depicted. Topography is considered in report text.

CONCEPTUAL SITE MODEL

Client: Barnsley Metropolitan Borough Council

Project: Stairfoot Roundabout, Barnsley

Number: 151134



4 Neville Street, Wakefield, WF1 5EF | Tel: 01924 376622 | E-mail: info@abbeydalebec.com