



**INVESTIGATE**



**REMEDiate**



**REGENERATE**



## **DESK STUDY WITH WALKOVER SURVEY**

**AT  
LAND AT LINK ROAD,  
HUYTON,  
KNOWSLEY,  
MERSEYSIDE,  
L36 6AP**

**PREPARED FOR  
GREEN RECOVERY SOUTH WEST LIMITED**

**REPORT NO. 8362  
MARCH 2026**

### **SUB SURFACE NORTH WEST LIMITED**

3 Peel Street  
Preston  
Lancashire  
PR2 2QS

Tel: (01772) 561135 Fax: (01772) 204907

Email: [preston@subsurface.co.uk](mailto:preston@subsurface.co.uk)

Website: [www.subsurface.co.uk](http://www.subsurface.co.uk)



## CONTENTS

|        |                                                                         |    |
|--------|-------------------------------------------------------------------------|----|
| 1      | INTRODUCTION.....                                                       | 1  |
| 1.1    | Site Location and Description.....                                      | 1  |
| 1.2    | Proposed Development and Purpose of the Desk Study .....                | 1  |
| 1.3    | Walkover Survey.....                                                    | 2  |
| 2      | DESK STUDY .....                                                        | 3  |
| 2.1    | Historical Appraisal.....                                               | 3  |
| 2.2    | Detailed Geological Appraisal.....                                      | 5  |
| 2.2.1  | Artificial Ground (Made Ground)                                         | 5  |
| 2.2.2  | Superficial Geology (Drift Deposits)                                    | 5  |
| 2.2.3  | Bedrock Geology                                                         | 5  |
| 2.2.4  | Potential Hazards in Natural Ground                                     | 6  |
| 2.3    | Mining, Radon, Soil Chemistry and Railway Infrastructure Appraisal..... | 6  |
| 2.3.1  | Ground Workings and Detailed Mining Appraisal                           | 6  |
| 2.3.2  | Radon                                                                   | 8  |
| 2.3.3  | Soil Chemistry                                                          | 8  |
| 2.3.4  | Railway Infrastructure                                                  | 9  |
| 2.4    | Environmental Appraisal .....                                           | 9  |
| 2.4.1  | Historical Industrial Land Use                                          | 9  |
| 2.4.2  | Landfill                                                                | 9  |
| 2.4.3  | Waste                                                                   | 10 |
| 2.4.4  | Current Industrial Land Use                                             | 10 |
| 2.4.5  | Sites Determined as Contaminated Land                                   | 10 |
| 2.4.6  | Control of Major Accident Hazards (COMAH)                               | 10 |
| 2.4.7  | Regulated Explosives Sites                                              | 11 |
| 2.4.8  | Hazardous Substance Storage and Usage                                   | 11 |
| 2.4.9  | Historical Licenced Industrial Activities (IPC)                         | 11 |
| 2.4.10 | Licenced Industrial Activities (Part A(1))                              | 11 |
| 2.4.11 | Part A(2) and Part B Authorisations                                     | 11 |
| 2.4.12 | Radioactive Substance Authorisations                                    | 11 |
| 2.4.13 | Licensed Discharges to Controlled Waters                                | 11 |
| 2.4.14 | Pollutant Release to Surface Waters (Red List)                          | 11 |
| 2.4.15 | Pollutant Release to Public Sewers                                      | 12 |
| 2.4.16 | List I and List II Dangerous Substances                                 | 12 |
| 2.4.17 | Pollution Incidents                                                     | 12 |



|        |                                       |    |
|--------|---------------------------------------|----|
| 2.4.18 | Pollution Inventory Substances        | 12 |
| 2.4.19 | Pollution Inventory Waste Transfers   | 12 |
| 2.4.20 | Pollution Inventory Radioactive Waste | 12 |
| 2.4.21 | Hydrogeology                          | 12 |
| 2.4.22 | Hydrology                             | 13 |
| 2.4.23 | Flooding                              | 13 |
| 2.4.24 | Environmental Designations            | 14 |
| 2.4.25 | Visual and Cultural Designations      | 14 |
| 2.4.26 | Agricultural Designations             | 14 |
| 2.4.27 | Habitat Designations                  | 14 |
| 2.5    | Conceptual Ground Model .....         | 15 |
| 2.5.1  | Sources                               | 15 |
| 2.5.2  | Pathways                              | 15 |
| 2.5.3  | Receptors                             | 15 |
| 2.5.4  | Conclusions                           | 16 |
| 3      | GENERAL.....                          | 17 |
| 4      | REFERENCES.....                       | 19 |

## APPENDICES

Preliminary Risk Rating Guidance  
 Photographs  
 Enviro+Geo Insight Report  
 Coal Authority Mining Report  
 Small Scale Survey Plans  
 Large Scale Survey Plans  
 Figures



## EXECUTIVE SUMMARY

This executive summary is a brief summary only and should be read in conjunction with the full report.

| Section                         | Subject              | Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Site Details                    | Site Address         | Land on Link Road, Huyton, Knowsley, Merseyside, L36 6AP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                 | Grid Reference       | 345504E, 390227N.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                 | Current Land Use     | Vacant industrial land following the demolition of the industrial building on site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                 | Proposed Development | A 30,000 sq ft. industrial unit with associated vehicular access and parking.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Site History                    | On Site              | In the earliest survey (1849-1850) the site was an undeveloped field. By 1963-1968 the southeast of the site was developed as part of an access road for nearby industrial buildings. A factory was built across the northeast of the site by 1975-1977, and by 2010 was part of what was labelled Huyton Business Park. Finally by 2025 the industrial building on site was demolished, likely to allow for the proposed development to progress.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                 | Beyond Site Boundary | <p>In the earliest survey (1849-1850) the area within 250m was generally undeveloped, with coal pits present 65m southwest and 150m north (infilled 1892), alongside a pond 170m west (infilled 1956). Three more ponds were noted by 1892, being 200m northeast (infilled 1956, and 90m and 180m to the south (both infilled 1963-1968). Three other ponds were noted from 1927, located 140m, 150m and 180m north (all infilled by 1956). Industrial development was noted from 1892 (iron works 210m northeast), 1907 (electric lamp works 220m north), and most significantly, from 1956 (several buildings to the southwest) and 1963-1968 (to the east and northeast).</p> <p>By 1956 a clay pit had been excavated to 30m to the northwest alongside two ponds 40m north and 200m northwest (both infilled 1963-1968). Two electricity substations were constructed 50m and 120m southwest by 1956 (latter substation demolished by 1993-1994). By 1980-1984 another electricity substation had been built, and by 1993-1994 a gas governor station and electricity substation had been constructed 90m to the southwest. By 2010 an unspecified building had been constructed 50m to the southwest, and by 2024 an industrial unit 130m to the southwest had been demolished, with two new units built by 2025.</p> |
| Geological and Mining Appraisal | Made Ground          | No Made Ground indicated on site, however some is likely to be present due to past on-site development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                 | Superficial Geology  | Devensian Till (Diamicton, poorly sorted gravelly sandy silty clay).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                 | Bedrock Geology      | Pennine Lower Coal Measures Formation (mudstone, siltstone and sandstone in the north and west, sandstone in the centre).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                 | Radon                | Radon protection measures are not required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                 | Mining               | <p>Thirty four historical surface excavations within 250m of the site boundary, the nearest being an unspecified pit 30m to the north by 1966. Forty five underground workings identified within 1,000m, the nearest being a colliery 260m to the west by 1891. Potential for vein mineral mining 228m to the southeast, difficult ground conditions need not be considered.</p> <p>The Coal Authority do not have any records of past mining on site, however a coal seam is noted to crop out in the north of the site and dip beneath the site. A mine entry is noted 102m to the southwest. As a result, rotary boreholes should be taken to a depth of 30 metres followed by a ground stability assessment to determine if remedial measures are required for the proposed development.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                 | Subsidence Hazards   | The hazard rating from natural subsidence hazards is very low to negligible.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental Appraisal</b>                                                                                 | Landfill Sites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | One registered landfill recorded on site, several unregistered landfills including one 1m to the northwest and one 58m to the north. In addition, there are several infilled pits and ponds recorded within 250m (nearest and most recent being earthworks associated with a clay pit 30m to the northwest infilled by 1970).                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                | Hydrogeology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Superficial deposits comprise a Secondary Undifferentiated aquifer, the bedrock comprises a Secondary A aquifer. The vulnerability of groundwater to pollution is low.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                | Hydrology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No watercourses within 250m of the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                | Flood Risk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | The site is within a Flood Zone 1, a Flood Risk Assessment is unlikely to be required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                | Industrial Land Uses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Numerous historical and current industrial land uses have been identified, including one historical and one current land use on site (unspecified works, and a distribution and haulage company, respectively). Historical land uses include unspecified factories, works or other commercial / industrial land (nearest 4m southwest), electricity substations (nearest being 49m to the southwest) and unspecified / coal pits (nearest 30m north). Current land uses include electricity substations (nearest 37m southwest), a construction and tool hire (40m southwest) and unspecified works / factories (nearest 46m to the southwest). |
|                                                                                                                | Other Relevant Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Recommendations</b>                                                                                         | <p>The conceptual ground model indicates that an intrusive ground investigation is required to assess the ground conditions. The ground investigation should also obtain soil samples for contamination analysis and asbestos detection and, where possible, groundwater and surface water samples for contamination analysis.</p> <p>In addition the conceptual ground model indicates that ground gases might be present and hence gas standpipes should be installed and monitored over an extended period of time to allow for an assessment to be made.</p> <p>Given the findings of the geological and mining appraisal we recommend that rotary boreholes are taken out to 30 metres depth followed by a ground stability assessment in order to determine whether remedial measures are required for the proposed development.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Other Considerations</b> (for Warranty Providers, Building Control, Structural Engineers, Developers, etc.) | <p>Listed below are various items that are likely to be required at some point during the development and it would be cost effective to have them carried out simultaneously. This is not an exhaustive list.</p> <ul style="list-style-type: none"> <li>• Boreholes and laboratory testing to assess the ground conditions for foundation design.</li> <li>• BRE Digest 365 Soakaway Tests.</li> <li>• Waste Classification and WAC testing for removal of waste to landfill.</li> <li>• CBR Testing for road design and construction.</li> <li>• Water Pipeline Risk Assessment.</li> </ul>                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**DESK STUDY WITH WALKOVER SURVEY FOR LAND AT LINK ROAD, HUYTON, KNOWSLEY, MERSEYSIDE, L36 6AP**

**CLIENT: GREEN RECOVERY SOUTH WEST LIMITED**

**ARCHITECT: ARCHITECTURE WORKS LIMITED**

---

## **1 INTRODUCTION**

This report has been prepared in accordance with an email, dated 9<sup>th</sup> March 2026, from the Architect on behalf of the Client.

The brief was set out in our estimate, ref. E8300C and dated 4<sup>th</sup> March 2026, and comprises a walkover survey and a desk study report including a historical, geological, mining and environmental appraisal together with a conceptual ground model.

The brief for a coal mining risk assessment was set out in our estimate, ref. E8300C, and comprises a geological and mining appraisal together with our conclusions and recommendations.

### **1.1 Site Location and Description**

The site is located on Link Road, Huyton, Knowsley, Merseyside, L36 6AP, as indicated on Figure 1. The approximate National Grid Reference of the centre of the site is 345504E, 390227N.

As shown on Figure 2, the about 0.55 hectare irregular shaped site is bounded to the northwest by a waste collection site, to the northeast by a workwear store, to the southeast by a building materials supplier and to the southwest by an access road for a window and door shop. The site is vacant following the recent demolition of the industrial building on site, likely for the proposed development.

### **1.2 Proposed Development and Purpose of the Desk Study**

We understand that it is proposed to construct a 30,000 square foot industrial unit with associated access for lorries, as well as parking and pedestrian access, as shown on Figure 3.

The Environment Agency's Land Contamination Risk Management guidance <sup>[1]</sup> sets out a three tiered approach to risk assessment:

1. Preliminary risk assessment: first tier of risk assessment that develops the initial conceptual site model to establish whether there are any potentially unacceptable risks.
2. Generic quantitative risk assessment: uses generic assessment criteria and assumptions to estimate risk.
3. Detailed quantitative risk assessment: uses detailed site-specific information to estimate risk.

Each tier should establish contaminant sources, assess the hazard using a source-pathway-receptor (S-P-R) linkage approach to find out if there is the potential for unacceptable risk, predict what degree of harm or pollution might result and how likely it is to occur, and evaluate the risk to determine whether the risk is unacceptable.

This desk study report comprises a Tier 1 risk assessment and has been conducted in general accordance with the Environment Agency's 'Land Contamination Risk Management' guidance <sup>[1]</sup> and British Standard BS10175: 2011+A2:2017 <sup>[2]</sup>.

The purpose of the desk study is to:

- To review information regarding the sites historical, geological and environmental setting in order to develop a preliminary conceptual model and establish if there are any potentially unacceptable risks arising from contamination at the site.
- to evaluate the need for intrusive investigation.
- to support the discharge of relevant planning conditions and to meet the requirements of the Local Planning Authority (Knowsley Metropolitan Borough Council).

### 1.3 Walkover Survey

The walkover survey was undertaken on 11<sup>th</sup> March 2026. Surface features observed were recorded on a plan of the site together with the positions and directions of photographs taken. The resulting Walkover Survey Plan is shown in Figure 2 and site photographs are appended.

On the day of the walkover, the site could be accessed from Link Road to the southeast, through a concrete surfaced access road with several parked excavators (photo 1). The industrial building previously on site had been demolished, leaving the site level with concrete surfacing throughout (photos 2 to 8). Two utility manholes and a water main access point were noted in the centre and southeast (photos 4, 5 and 23). Skips and concrete blocks were noted in the northwest and southwest (photos 11 to 14, 17 to 21), alongside oil and water drums in the southwest of the site (photos 17 to 19).

There was a high banking along the northwest side of the site, with a waste recycling and transfer station adjacent to the site boundary. Factories and warehouses were noted to be present along all site boundaries with concrete fencing marking the site boundaries.

No visual or olfactory contamination was noted during the walkover survey.

## 2 DESK STUDY

### 2.1 Historical Appraisal

The past history of the site has been interpreted from the study of old Ordnance Survey plans supplied by GroundSure, as follows:

TABLE 1 SMALL SCALE SURVEYS

| Date      | Scale    |
|-----------|----------|
| 1849-1850 | 1:10,560 |
| 1891      | 1:10,560 |
| 1904-1906 | 1:10,560 |
| 1925      | 1:10,560 |
| 1925      | 1:10,560 |
| 1938      | 1:10,560 |
| 1947**    | 1:10,560 |
| 1955-1956 | 1:10,560 |
| 1965-1967 | 1:10,560 |
| 1974-1978 | 1:10,000 |
| 1989-1990 | 1:10,000 |
| 2001      | 1:10,000 |
| 2010      | 1:10,000 |
| 2015      | 1:10,000 |
| 2025      | 1:10,000 |

TABLE 2 LARGE SCALE SURVEYS

| Date        | Scale    |
|-------------|----------|
| 1892        | 1:2,500  |
| 1907        | 1:2,500  |
| 1927        | 1:2,500  |
| 1956        | 1:1,250* |
| 1957        | 1:1,250* |
| 1957        | 1:2,500  |
| 1960        | 1:2,500  |
| 1963-1968   | 1:1,250* |
| 1970        | 1:2,500  |
| 1970-1975   | 1:2,500  |
| 1975-1977   | 1:1,250* |
| 1980**      | 1:1,250* |
| 1980-1984   | 1:1,250* |
| 1987-1992** | 1:1,250* |
| 1993        | 1:1,250* |
| 1993-1994   | 1:1,250* |
| 1994        | 1:1,250* |
| 1994**      | 1:1,250* |
| 1994**      | 1:1,250* |
| 2003        | 1:1,250  |

\*Appended extract reproduced at 1:2,000.

\*\* Site not covered by survey.

Extracts of the above surveys are appended.

TABLE 3 HISTORICAL APPRAISAL

| Date    | On site                                                                                                                                                            | Beyond site boundary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1849-50 | The site is an undeveloped field.                                                                                                                                  | The area within 250m is generally undeveloped, with the exception of coal pits present 65m to the southwest and 150m to the north. A pond is present 170m to the west.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1892    | No significant change to site.                                                                                                                                     | The coal pits present to the north and southwest are no longer present, however three ponds are noted 200m to the northeast and 90m and 180m to the south (likely former pits). Iron works present 210m to the northeast.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1907    | No significant change to site.                                                                                                                                     | Electric lamp works present 220m to the north.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1927    | No significant change to site.                                                                                                                                     | Iron works 210m to the northwest demolished. Three ponds present 140m, 150m and 180m to the north.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1956    | No significant change to site.                                                                                                                                     | An access road has been built along the southwest of the site. Several industrial buildings constructed to the southwest of the site, including a switch factory and a vacuum flask factory, as well as a biscuit factory 100m to the south and saw mills 190m to the northeast. A clay pit is present 30m to the northwest, relating to Tushingham Brick Works 260m to the northwest, and two ponds are shown 40m to the north and 200m to the northwest. Five ponds 140m, 150m and 180m to the north, 170m to the west and 200m to the northeast, have all been infilled. Two electricity substations have been built 50m and 120m to the southwest. |
| 1957    | No significant change to site.                                                                                                                                     | Timber yard present 150m to the northeast.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1960    | No significant change to site.                                                                                                                                     | The clay pit to the northwest is no longer labelled and a pond is located 140m to the northwest, within the pit. Timber yard to the northwest is no longer labelled, and the neighbouring saw mill is labelled an unspecified mill.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1963-68 | The southeast of the site is part of an access road for unspecified industrial buildings to the southeast, connecting the site to the newly constructed Link Road. | A toughened glass factory (adjacent to the northeast boundary), a manufacturing veterinary chemists (adjacent to the southeast boundary) and two unspecified industrial buildings (5m and 20m to the east) have all been constructed. Link Road has been constructed 120m to the southeast. A refuse tip is present 40m to the north. The ponds 40m to the north, 90m and 180m to the south and 200m to the northwest have all been infilled. A pond is present filling the clay pit 80m to the northwest. Tanks constructed 230m to the northeast.                                                                                                    |
| 1970    | No significant change to site.                                                                                                                                     | The pond 80m to the northwest and all neighbouring earthworks have been infilled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 1975-77 | Factory built across the northeast of the site, and the access road leads to an open area in the southwest.                                                        | No significant change to 250m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1980-84 | No significant change to site.                                                                                                                                     | Unspecified works constructed 90m to the north and 190m to the northwest. An electricity substation has been constructed 130m to the west.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1993-94 | No significant change to site.                                                                                                                                     | The electricity substation 120m to the southwest has been demolished and an electricity substation and gas governor station have both been constructed 90m to the southwest.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

TABLE 3 (Cont'd) HISTORICAL APPRAISAL

| Date    | On site                            | Beyond site boundary                             |
|---------|------------------------------------|--------------------------------------------------|
| 2003    | No significant change to site.     | No significant change to 250m.                   |
| 2010    | Site part of Huyton Business Park. | Unspecified building built 50m to the northwest. |
| 2015-25 | No significant change to site.     | No significant change to 250m.                   |

The small scale plans from 2001 to 2025 contain insufficient detail for review. However, aerial photographs from Google Earth™ indicate the land adjacent to the northwest site boundary was developed into a waste recycling and transfer site by 2003. Also, by 2003, an unspecified industrial unit (today a plumbing parts store) was constructed 140m to the west. The site itself appears to have contained significant amounts of waste, possibly sorting and shredding paper, from 2013 to 2025. By 2024 the industrial unit 130m to the southwest was demolished and, by 2025, two new units (a kitchen furniture store and a leather goods store) were built 120m to the southwest. The industry on site was also demolished by 2025. We are not aware of any other significant changes within the site and its immediate surrounding area.

## 2.2 Detailed Geological Appraisal

This geological appraisal is based upon the appended Groundsure Enviro+Geo Insight Report (Sections 14 to 17) and the British Geological Survey published sheet, ref. 107SW, solid and drift edition at 1:9,301 scale dated 1951, an extract of which is given as Figure 4.

### 2.2.1 Artificial Ground (Made Ground)

No Made Ground is indicated to be present within the site or in its immediate vicinity. However as the site has been developed some is likely to be present.

### 2.2.2 Superficial Geology (Drift Deposits)

Drift deposits, described as Devensian Till (Diamicton, poorly sorted gravelly sandy silty clay), are indicated to be present within the site, the depth of which is unknown.

### 2.2.3 Bedrock Geology

Within the site the underlying bedrock indicated to be the Pennine Lower Coal Measures Formation, which in the north and west of the site consists of mudstone, siltstone and sandstone, and in the centre, south and east consists of sandstone.

Coal Measures strata in this area normally comprise interbedded mudstones, siltstones and subordinate sandstones with occasional economically important mineral seams of coal and ironstone. It should be noted that where found at near surface level Coal Measures strata are normally completely weathered to a soil.

The bedded rock strata are shown to down dip 11.31° (1 in 5) to the south.

The BGS sheet (107SW) shows several abandoned mineshafts within 500m of the site boundary, with the nearest being 65m and 102m to the southwest of the site boundary.

The Sir John Mine seam is shown to sub-crop in the north of the site. The Sir John Mine is stratigraphically underlain by the Prescott Main Delf 46m below, by the Burgy Mine a further 20m below and by the Rushy Park Mine a further 63m below. It should be noted that these are conjectured sub crop positions and some variation might be expected.

The bedded rock strata are shown to be displaced by a geological fault which trends from the northwest to the southeast. It should be noted that the rock strata in the vicinity of the site might be affected by minor parallel sympathetic geological faults.

The anticipated succession of strata at the centre of the site is as tabulated below. The approximate thicknesses and depths given are the best that can be determined from the above information.

**TABLE 4 STRATIGRAPHICAL SUCCESSION**

| <b>Strata</b>                | <b>Maximum Unworked Thickness (m approx.)</b> | <b>Vertical Interval (m approx.)</b> | <b>Depth of Base below Bedrock (m approx.)</b> |
|------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------------|
| MADE GROUND                  | ?                                             |                                      |                                                |
| DEVENSIAN TILL               | ?                                             |                                      |                                                |
| CARBONIFEROUS COAL MEASURES: |                                               |                                      |                                                |
| measures                     |                                               | 10                                   |                                                |
| Sir John Mine                | ?                                             |                                      | 10                                             |
| measures                     |                                               | 46                                   |                                                |
| Prescot Main Delf            | ?                                             |                                      | 56                                             |
| measures                     |                                               | 20                                   |                                                |
| Burgy Mine                   | ?                                             |                                      | 76                                             |
| measures                     |                                               | 63                                   |                                                |
| Rushy Park Mine              | ?                                             |                                      | 139                                            |

#### **2.2.4 Potential Hazards in Natural Ground**

The hazard rating from on-site shrinking/ swelling clays, running sands, collapsible deposits/ strata and landslides is very low while the hazard rating from compressible deposits/ strata and dissolution of soluble rocks is negligible.

### **2.3 Mining, Radon, Soil Chemistry and Railway Infrastructure Appraisal**

This following appraisal is based upon the appended Groundsure Enviro+Geo Insight Report (Sections 18 to 21).

#### **2.3.1 Ground Workings and Detailed Mining Appraisal**

The British Geological Surveys “BritPits” database contains details of currently active and closed surface and underground mineral workings. There is one record of a BritPit within 250m of the site boundary, being a ceased clay and shale quarry for Huyton Brickworks 203m to the northwest.

Ordnance Survey mapping identifies surface excavations which may, or may not, have been subsequently backfilled with unknown material. The Ordnance Survey indicates that there are thirty four historical surface excavations within 250m of the site boundary, these include:

- Unspecified pits, the nearest and most recent being 30m to the north by 1966.
- Unspecified quarries, the nearest and most recent being 39m to the northwest by 1990.
- Coal pits, the nearest and most recent being 70m to the southwest by 1850.
- Ponds, the nearest and most recent being 73m to the north by 1966.
- Unspecified ground workings, the nearest being 132m to the northeast by 1906 and the most recent being 163m to the northeast by 1956.

In addition, the Ordnance Survey mapping identifies underground workings in the form of tunnels, shafts and similar features. The Ordnance Survey indicates that there are forty five historical underground workings within 1,000m of the site boundary; these include:

- Collieries / old collieries / disused collieries, the nearest being 260m to the west by 1891 and the most recent being 494m to the east by 1956.
- Unspecified old / disused shafts, the nearest being 313m to the west by 1956 and the most recent being 534m to the east by 1966.
- Unspecified disused mines, the nearest and most recent being 511m to the east by 1966.

The boundaries of permitted, withdrawn and refused mineral planning permissions for England and Wales, from the 1930 to the mid 1980s, are maintained by the British Geological Survey. There is one historical mineral planning area on site (surface working for clay, shale and bricks) and a further two historical mineral planning areas (clay, shale and brick workings, nearest 45m east) within 500m of the site boundary.

The British Geological Survey maintain records of mining of minerals other than coal including vein minerals. The British Geological Survey indicate that there is a potential for underground vein mineral mining about 228m to the southeast of the site boundary. The potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

According to the report the site is not in an area affected by significant non-coal mining, mining cavities, brine extraction, gypsum extraction, tin mining or clay mining.

The presence of mineral seams, including coal, which might have been mined beneath the site has been determined from the published BGS geological sheet 107SW and the Coal Authorities Consultants Coal Mining Report, ref. 51003557697001 and dated 10<sup>th</sup> March 2026, a copy of which is appended.

The Coal Authority indicates that they have no records of mineworkings beneath the site from colliery abandonment plans. In addition the Coal Authority indicate that there are no probable unrecorded shallow mineworkings beneath the site. However, in our opinion, this is contradictory with the outcrop of the Sir John coal seam within the site boundary, which is of workable thickness and dips beneath the site.

In our opinion, it is possible that shallow coal seams beneath the site were worked prior to the Mines (Coal) Regulations Act of 1872, before which there was no statutory requirement to maintain and preserve plans of abandoned mines. Of those plans which were made it is likely that not all will have survived with time and hence shallow mineworkings may be present for which there is no record.

The Coal Authority Plan to the Report indicates that there is one abandoned mineshaft about 102m to the southwest. It should be noted that the Coal Authority records may be incomplete and hence mine entries may be present for which the Coal Authority has no knowledge.

The Coal Authority indicate that they have one mine abandonment plan which are for all or part of the site area.

Coal Authority records indicate that the Sir John Mine Coal seam crops out from the southwest to the northeast (70 degree bearing) in the north of the site, as shown on the Coal Authority Plan to the Report. The Coal Authority indicate that the Sir John Mine Coal seam is of a workable thickness.

Coal Authority have records that indicate that a geological fault is present within the site boundary as shown on the Coal Authority Plan to the Report.

The Coal Authority have no records of opencast mines within 250m of the site boundary.

The Coal Authority indicate that they have no plans to mine coal beneath the site and there are no coal mining licences within 200 m of the site. It should be noted that on 23<sup>rd</sup> December 2015 all underground coal mining ceased in the U.K.

Surface instability arises when the collapse of mineworkings migrates upwards through the roof strata and back to the surface or near surface level. There is considered to be a potential for this if there is less than ten times the unworked thickness of the coal seam in intact rock strata above the mined coal seam. In addition residual settlement of abandoned mineworkings is not possible to predict, and although the risk may be increased by the stresses imposed by a surface load, settlement can and does occur irrespective of ground surface loads.

Given the findings of the geological and mining appraisal we recommend that rotary boreholes are taken out to 30 metres depth followed by a ground stability assessment in order to determine whether remedial measures are required for the proposed development.

### 2.3.2 Radon

The British Geological Survey and Public Health England have estimated the percentage of dwellings exceeding the “Radon Action Level” of 200 Becquerels/ m<sup>3</sup> for the UK based on geological assessments and long term measurements of radon in more than 560,000 households.

The site is unlikely to be affected by radon gas as < 1% of surrounding properties are above the Radon Action Level. No radon protection measures are required.

### 2.3.3 Soil Chemistry

The British Geological Survey have estimated likely background concentrations of potentially harmful arsenic, cadmium, chromium, lead and nickel in the topsoil. Data for on-site topsoil is given. In addition data for the land within 50m of the site boundary is not given.

#### 2.3.4 Railway Infrastructure

There are twelve historical railways and historical tunnel features within 250m of the site boundary, the nearest being railway sidings about 164m to the northeast of the site boundary, recorded by 1906.

There are no other active or inactive underground or overground railways and no railway tunnels within 250m of the site boundary.

The site is not within 250m of Crossrail 2 or the High Speed 2 (HS2) rail project.

### 2.4 **Environmental Appraisal**

This following appraisal is based upon the appended Groundsure Enviro+Geo Insight Report (Sections 1 to 13).

#### 2.4.1 Historical Industrial Land Use

Historical potentially contaminative industrial land uses are recorded by the Ordnance Survey. Within the site there is one potentially contaminative industrial land use identified, being unspecified works present between 1966 and 1978.

In addition, within 250m of the site boundary, there are numerous potentially contaminative industrial land uses identified. Those that represent the most significant risk to the site are:

- Unspecified factories / works, the nearest being 4m to the southwest.
- Unspecified commercial / industrial land, the nearest being 4m to the southwest.
- Unspecified pits / quarries, the nearest being 30m to the north.
- Coal pits, the nearest and most recent being 70m to the southwest.
- Unspecified tanks, the nearest being 129m to the southwest.
- Electricity substations, the nearest being 49m to the southwest.

#### 2.4.2 Landfill

According to the Environment Agency there are no active or recently closed landfill sites within 250m of the site boundary.

Local Authority records and detailed Ordnance Surveys indicate two landfill sites within 250m of the site boundary, those within 250m of the site being about 1m to the northwest of the site boundary (by 1967), and 58m to the north of the site boundary (by 1969).

The Environment Agency have one record of a known historical (closed) landfill site, where there is no PPC permit or current waste management licence, within 250m of the site boundary, with this record being for a landfill on site.

Our historical appraisal has identified several unregistered landfills in the form of pits and ponds infilled with unknown material, which may be a source of ground gas, within 250m of the site boundary. The nearest and most recent being a clay pit 30m to the northwest infilled by 1970.

#### 2.4.3 Waste

Local Authority records and detailed Ordnance Surveys indicate four historical waste sites within 250m of the site, the nearest being about 137m to the east of the site boundary.

According to the Environment Agency there are six active or recently closed waste sites on site. In addition, there are five active or recently closed waste sites within 250m of the site boundary, the nearest off-site being about 91m to the northwest of the site boundary.

The Environment Agency have ten records of activities involving the storage, treatment, use or disposal of wastes that are exempt from needing a permit (within specific limits and conditions) on site, and a further twenty two records within 250m of the site boundary, the nearest off-site being about 4m to the southeast of the site boundary.

#### 2.4.4 Current Industrial Land Use

Current potentially contaminative industrial land uses are recorded by the Ordnance Survey and Experian. Within the site there is one potentially contaminative industrial land use, being a distribution and haulage company.

In addition, within 250m of the site boundary, there are forty potentially contaminative industrial land uses. Those that represent the most significant risk to the site are:

- Electricity substations, the nearest being 37m to the southwest.
- A construction and tool hire store 40m to the southwest.
- Unspecified works / factories, the nearest being 46m to the southwest.
- A photographic / optical equipment store 53m to the west.
- A pest and vermin control service 62m to the northeast.
- A roofed rowing tank 242m to the northwest.

#### 2.4.5 Sites Determined as Contaminated Land

There are no sites determined as contaminated under Section 78R of the Environmental Protection Act (1990) within 250m of the site boundary.

#### 2.4.6 Control of Major Accident Hazards (COMAH)

Records of Control of Major Accident Hazards (COMAH), including Notification of Installations Handling Hazardous Substances (NIHHS) and other historical data, indicate that there is one dangerous or hazardous site within 250m of the site boundary, being 120m to the northeast. Due to it being historical and the distance from the site, this is unlikely to significantly affect the site.

#### 2.4.7 Regulated Explosives Sites

Up to April 2015 there were no sites within 250m of the site boundary registered and licensed by the Health and Safety Executive under the 2005 Manufacture and Storage of Explosives Regulations.

#### 2.4.8 Hazardous Substance Storage and Usage

There is one Local Authority record of consents granted for sites to hold certain quantities of hazardous substances at or above defined limits in accordance with the 2015 Planning (Hazardous Substances) Regulations within 250m of the site boundary, being about 33m to the southeast of the site boundary.

#### 2.4.9 Historical Licenced Industrial Activities (IPC)

There are no historical Integrated Pollution Control (IPC) records of substances released to the air, land and water according to the Environment Agency within 250m of the site boundary.

#### 2.4.10 Licenced Industrial Activities (Part A(1))

The Environment Agency indicate that there is one record of Part A(1) installations regulated under the 2016 Environmental Permitting (England and Wales) Regulations for release to the environment within 250m of the site boundary, being about 201m to the north of the site boundary.

#### 2.4.11 Part A(2) and Part B Authorisations

Local Authority records indicate there are eight Part A(2) and Part B installations regulated under the 2016 Environmental Permitting (England and Wales) Regulations for the release of substances to the environment within 250m of the site boundary, the nearest being a Part B installation about 64m to the west of the site boundary.

#### 2.4.12 Radioactive Substance Authorisations

The Environment Agency indicate that there are no records of storage, use, accumulation and disposal of radioactive substances regulated under the 1993 Radioactive Substances Act within 250m of the site boundary.

#### 2.4.13 Licensed Discharges to Controlled Waters

According to Environment Agency records there have been no discharges of treated or untreated effluent to controlled water under the 1991 Water Resources Act within 250m of the site boundary.

#### 2.4.14 Pollutant Release to Surface Waters (Red List)

The Environment Agency records indicate that there have been no discharges of specified substances under the 1991 Environmental Protection (Prescribed Processes and Substances) Regulations within 250m of the site boundary.

#### 2.4.15 Pollutant Release to Public Sewers

According to Environment Agency records there have been no discharges of special category effluents to public sewers within 250m of the site boundary.

#### 2.4.16 List I and List II Dangerous Substances

The Environment Agency records indicate that there have been no discharges of substances on List I or List II of the European Directive E2006/11/EC, regulated under the 2015 Environmental Damage (Prevention and Remediation) Regulations, within 250m of the site boundary.

#### 2.4.17 Pollution Incidents

According to the Environment Agency there are twenty three records of substantiated pollution incidents within 250m of the site boundary, the nearest being about 100m to the north of the site boundary, dated 2003 with a minor land impact and no water or air impact. The most recent pollution incident is 137m to the east, dated 2024 and had a significant water impact and a minor land and air impact. Due to their age and distance from the site, these should not have any significant impact.

#### 2.4.18 Pollution Inventory Substances

The Environment Agency indicate that there have been no reports on annual emissions of certain regulated substances to air, controlled waters and land within 250m of the site boundary.

#### 2.4.19 Pollution Inventory Waste Transfers

According to the Environment Agency there have been no reports on annual transfers and recovery/ disposal of controlled wastes within 250m of the site boundary.

#### 2.4.20 Pollution Inventory Radioactive Waste

The Environment Agency indicate that there have been no reports on annual releases of radioactive substances within 250m of the site boundary.

#### 2.4.21 Hydrogeology

The following designation of aquifers is in accordance with the Environment Agency's April 2010 Groundwater Protection Policy.

Superficial/ drift deposits are anticipated to be present and comprise Devensian Till (Diamicton, poorly sorted gravelly sandy silty clay) which are indicated to be a Secondary Undifferentiated aquifer.

The bedrock is anticipated to be the Pennine Lower Coal Measures Formation (mudstone, siltstone and sandstone) which is indicated to be a Secondary A aquifer comprising permeable layers capable of supporting water supplies at a local scale and in some cases forming an important source of base flow to rivers.

The vulnerability of groundwater to a pollutant found within the site and its immediate surrounding area has been assessed as "Low", an area able to provide protection from pollution.

British Geological Survey and Environment Agency data indicates that the site is not within a 1km grid where solution features are present that will enable rapid movement of a pollutant to groundwater.

Environment Agency data indicates that the site is not in an area where additional local information indicates that groundwater is vulnerable to pollution.

According to data provided by the Environment Agency there are four surface water abstraction licences (nearest historical 1,525m to the southeast), and no groundwater or potable water abstraction licences within 2000 m of the site boundary.

There are no Source Protection Zones, set up to protect a water source within 250m of the site of boundary, present according to the environmental data report.

#### 2.4.22 Hydrology

The Ordnance Survey indicate that there are no watercourses (river, stream or canal) within 250m of the site boundary.

There are no surface water features (ponds or lakes) within 250m of the site boundary according to the Ordnance Survey.

Environment Agency data relating to the Water Framework Directive (WFD) indicates that the site is within the catchment of the Prescott Brook (Logwood Mill Brook), this watercourse being about 293m to the east of the site boundary and the groundwater body is known as the Sankey and Glaze Carboniferous aquifers.

#### 2.4.23 Flooding

Flooding data is maintained by the Environment Agency. The Risk of Flooding from Rivers and Sea (RoFRaS) database indicates that within 50 m of the site boundary the highest risk of flooding is "Very Low".

In the period since records began in 1946, there are no records of historical floods within 250m of the site boundary.

There are no flood defences, areas benefitting from flood defences or flood storage areas present within 250m of the site boundary.

The site boundary is within a Flood Zone 1 and is not within 50m of a Flood Zone 2 or Flood Zone 3.

According to Ambiantal Risk Analytics surface water "FloodMap" there is a 1 in 30 year (0.1m – 0.3m) risk of flooding on the site and a 1 in 30 year (0.3m – 1.0m) risk of flooding within 50 m of the site boundary.

Groundwater flooding is caused when the water table rises in areas where this is usually at shallow depth. Ambiantal Risk Analytics indicate that there is a low risk of groundwater flooding on the site and within 50 m of the site boundary.

Given the above we anticipate that a Flood Risk Assessment is unlikely to be required.

#### 2.4.24 Environmental Designations

Natural England, Natural Resources Wales and Scottish Natural Heritage indicate that there are environmental sensitive sites within 2000 m of the site boundary.

Thirty one Designated Ancient Woodland (nearest 957m east), three Green Belt Land (nearest 255m to the northeast, four Nitrate Vulnerable Zones (one on site, nearest off site 592m north) and one Sites of Special Scientific Interest (SSSI) Impact Risk Zone (on site) are present.

#### 2.4.25 Visual and Cultural Designations

Historic England indicate that within 250m of the site boundary there are no World Heritage Sites, Areas of Outstanding Natural Beauty, National Parks, Listed Buildings, Conservation Areas, Scheduled Ancient Monuments or Registered Parks and Gardens.

#### 2.4.26 Agricultural Designations

Natural England indicate that the Agricultural Land (quality) Classification for the site and the land within 250m of the site is Urban land.

Natural England indicate that there is no open access land within 250m of the site boundary.

The Forestry Commission indicate that there are no tree felling licences within 250m of the site boundary.

Natural England indicate that there are no environmental stewardship schemes within 250m of the site boundary.

Natural England indicate that there are no countryside stewardship schemes within 250m of the site boundary.

#### 2.4.27 Habitat Designations

Natural England indicate that there is one priority habitat (163m northeast), one open mosaic habitat (192m southwest) and no habitat networks or limestone pavement orders within 250m of the site boundary.

## 2.5 Conceptual Ground Model

A conceptual ground model of a site and its environs uses available information to form a preliminary assessment of contamination sources, pathways and receptors, and the significance of hazards that exist or will potentially exist on the site. Its purpose is to identify the relationships between sources of contamination, pathways and receptors to allow exposure scenarios to be determined and thereby aid in the design of any intrusive investigation. It also forms the basis of the risk assessment.

### 2.5.1 Sources

Potential sources of contamination identified in the desk study are:

- General contaminants associated with Made Ground (if present) and past and present contaminative processes undertaken on and adjacent to the site including construction and demolition of industrial buildings on-site and adjacent to the site, and earthworks within the site vicinity.
- On-site spillage and leakage of hydrocarbons (oils and fuels) from vehicles associated with the industry on site.
- Migrating leachate (contaminated surface and/ or groundwater) from any Made Ground (if present on site).
- Migrating ground gases from the registered landfill on site, and unregistered landfills 1m to the northwest, 58m to the north and infilled pits and ponds (the nearest and most recent being 30m to the northwest, infilled by 1970).
- PCBs from the electricity substation constructed 50m to the southwest.
- Accumulated ground gases in on-site confined spaces.

### 2.5.2 Pathways

Potential pathways from source and receptor for the proposed development are:

- Direct skin contact with and/ or ingestion of contaminated soils and/ or water.
- Inhalation of dust, vapours and/ or gases.
- Dissolved contaminants via infiltrating surface water/ migrating groundwater.
- Dissolved ground gases via infiltrating surface water/ migrating groundwater.
- Migration of contaminants to the underlying aquifer and to adjacent properties.
- Volatile contaminants via permeable soils and rocks.
- Ground gases via permeable soils and rocks.

### 2.5.3 Receptors

Potential receptors for the proposed development are:

- Site operatives during demolition, earthworks and/ or construction.
- The end users of the development (young children are the most sensitive).
- Vegetation, bushes and trees planted as part of the development of the site.
- Controlled waters including surface water and groundwater, including aquifers.
- Maintenance operatives entering on-site confined spaces after development.
- Adjacent properties and occupants.

### 2.5.4 Conclusions

An appraisal of the sources, pathways and receptors has been considered and we have produced a conceptual ground model based upon the available information, as follows:

TABLE 5 CONCEPTUAL GROUND MODEL

| Potential Source                                                        | Nature of Hazard                                                                 | Contaminants Associated with the Source                                                                                                                                                                                                                                           | Pathway                                                                                                 | Receptor                     | Preliminary Risk Rating |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------|-------------------------|
| Made Ground<br><br>Past industrial uses of the site and adjacent sites. | Contaminants in Made Ground                                                      | <u>Gen. Contaminants</u><br>Arsenic<br>Cadmium<br>Chromium<br>Lead<br>Mercury<br>Molybdenum<br>Nickel<br>Selenium<br>Boron<br>Copper<br>Zinc<br>Cyanide<br>Sulphide<br>Sulphate<br>pH<br>Phenols<br>Polynuclear Aromatic Hydrocarbons (PAH)<br>Total Petroleum Hydrocarbons (TPH) | Ingestion of soil                                                                                       | Site Operatives              | Moderate                |
|                                                                         |                                                                                  |                                                                                                                                                                                                                                                                                   | Ingestion of dust                                                                                       | End Users                    |                         |
|                                                                         |                                                                                  |                                                                                                                                                                                                                                                                                   | Dermal contact                                                                                          |                              |                         |
|                                                                         |                                                                                  |                                                                                                                                                                                                                                                                                   | Inhalation of dust                                                                                      |                              |                         |
|                                                                         |                                                                                  |                                                                                                                                                                                                                                                                                   | Inhalation of vapours                                                                                   |                              |                         |
|                                                                         |                                                                                  |                                                                                                                                                                                                                                                                                   | Uptake via contaminated groundwater                                                                     | Vegetation                   | Moderate                |
|                                                                         |                                                                                  |                                                                                                                                                                                                                                                                                   | Vertical and lateral movement of mobile contaminants to surface water and groundwater                   | Controlled Waters            | Moderate                |
|                                                                         |                                                                                  |                                                                                                                                                                                                                                                                                   | Direct contact                                                                                          | Structures and Services      | Moderate                |
| Asbestos on/ in ground                                                  | Asbestos fibres                                                                  | Asbestos fibres                                                                                                                                                                                                                                                                   | Inhalation of fibres                                                                                    | Site Operatives<br>End Users | Very Low                |
| Tanks/ Machinery/ Vehicles                                              | Fuel/ oil spillage and/or leakage from machinery, fuel/oil tanks and/or vehicles | Total Petroleum Hydrocarbons (TPH)<br><br>and/ or<br><br>Benzene/ Toluene/ Ethylbenzene/ Xylene (BTEX)                                                                                                                                                                            | Ingestion of soil<br>Ingestion of dust<br>Dermal contact<br>Inhalation of dust<br>Inhalation of vapours | Site Operatives<br>End Users | Low                     |
| Machinery                                                               | Grease spillage and/or leakage from machinery                                    | Chlorinated Solvents                                                                                                                                                                                                                                                              | Uptake via contaminated groundwater                                                                     | Vegetation                   | Low                     |
|                                                                         |                                                                                  |                                                                                                                                                                                                                                                                                   | Vertical and lateral movement of mobile contaminants to surface water and groundwater                   | Controlled Waters            | Low                     |
|                                                                         |                                                                                  |                                                                                                                                                                                                                                                                                   | Direct contact                                                                                          | Structures and Services      | Low                     |
| Landfill (registered/ unregistered)                                     | Ground Gas (Asphyxiation, fire and explosion)                                    | Methane<br>Carbon Dioxide                                                                                                                                                                                                                                                         | Inhalation of gas<br>Ignition of gas                                                                    | Site Operatives<br>End Users | Moderate                |

TABLE 5 (Cont'd) CONCEPTUAL GROUND MODEL

| Potential Source        | Nature of Hazard                              | Contaminants Associated with the Source | Pathway                                                                               | Receptor                     | Preliminary Risk Rating |
|-------------------------|-----------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------|------------------------------|-------------------------|
| Mining (1)              | Ground Gas (Asphyxiation, fire and explosion) | Methane<br>Carbon Dioxide               | Inhalation of gas<br>Ignition of gas                                                  | Site Operatives<br>End Users | Low                     |
| Mining (2)              | Subsidence                                    | -                                       | -                                                                                     | Structures and services      | Moderate                |
| Mine Entry              | Settlement and/or Collapse                    | -                                       | -                                                                                     | Structures and services      | Very Low                |
| Electricity Sub Station | Spillage/ leakage of transformer coolants     | Poly Chlorinated Biphenyls (PCB)        | Ingestion of soil                                                                     | Site Operatives              | Very Low                |
|                         |                                               |                                         | Ingestion of dust                                                                     | End Users                    |                         |
|                         |                                               |                                         | Dermal contact                                                                        |                              |                         |
|                         |                                               |                                         | Inhalation of dust                                                                    |                              |                         |
|                         |                                               |                                         | Inhalation of vapours                                                                 |                              |                         |
|                         |                                               |                                         | Uptake via contaminated groundwater                                                   | Vegetation                   | Very Low                |
|                         |                                               |                                         | Vertical and lateral movement of mobile contaminants to surface water and groundwater | Controlled Waters            | Very Low                |
|                         |                                               |                                         | Direct contact                                                                        | Structures and Services      | Very Low                |

The conceptual ground model indicates that intrusive ground investigation is required to assess the ground conditions. The ground investigation should also obtain soil samples for contamination analysis and asbestos detection and, where possible, groundwater and surface water samples for contamination analysis.

In addition the conceptual ground model indicates that ground gases might be present and hence gas standpipes should be installed and monitored over an extended period of time to allow for an assessment to be made.

Given the findings of the geological and mining appraisal we recommend that rotary boreholes are taken out to 30 metres depth followed by a ground stability assessment in order to determine whether remedial measures are required for the proposed development.

### 3 GENERAL

It should be noted that when developing a “brownfield site” a phased investigation should be undertaken in order that each phase informs the next. A typical phased investigation comprises the following:

- Phase I: desk study report (Tier 1 risk assessment)
- Phase II: ground investigation (Tier 2 or 3 risk assessment) with report
- Phase III: options appraisal and remediation statement report
- Phase IV: validation report.

In the preparation of this report no consideration has been given to flora and fauna as this was outside our brief.

We recommend that consultation should be undertaken with, and the written approval obtained from, the Local Authority Environmental Health Officer, the Local Authority Building Control Officer and the Coal Authority prior to commencing development.

We trust that this report fulfils your present requirements but if you have any queries or we can be of further assistance please contact the undersigned or Mr Ben Osborne at our Preston office.

SUB SURFACE CONSULTANTS LIMITED  
REPORT No. 8362  
MARCH 2026

J. Healy M.Sci. (Hons).  
Geoenvironmental Engineer  
For and on behalf of  
Sub Surface Consultants Limited

C. A. Marsden B.Sc.(Hons.), C.Eng., M.I.C.E.  
Director  
For and on behalf of  
Sub Surface Consultants Limited.



#### 4 REFERENCES

- [1] Environment Agency, "Land Contamination Risk Management," Environment Agency, 2025.
- [2] British Standards Institution (BSI), "BS 10175: 2011+A2:2017 Investigation of potentially contaminated sites. Code of practice - Code of practice," 2011.



## **PRELIMINARY RISK RATING GUIDANCE**

## PRELIMINARY RISK RATING GUIDANCE

The following table based on CIRIA C552 'Contaminated Land Risk Assessment. A Guide to Good Practice' has been used when developing the Conceptual Ground Model and the preliminary risk ratings. The method requires an assessment of the magnitude of the probability or likelihood of the risk occurring and the magnitude of the potential consequence or severity of the risk occurring to formulate a preliminary risk rating (Table A).

**Table A DESCRIPTION OF RISK AND LIKELY ACTION REQUIRED**

| Preliminary Risk Rating | Action Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Very High Risk</b>   | <p>Extensive Ground Investigation Required.</p> <p>There is a high probability that severe harm could arise to a designated receptor from an identified hazard, or there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.</p>                                                                |
| <b>High Risk</b>        | <p>Extensive Ground Investigation Required.</p> <p>Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.</p>                                                                                                                              |
| <b>Moderate</b>         | <p>Ground Investigation Required.</p> <p>It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the long-term.</p> |
| <b>Low Risk</b>         | <p>Nominal Ground Investigation Required.</p> <p>It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.</p>                                                                                                                                                                                                                                                                  |
| <b>Very Low Risk</b>    | <p>No Ground Investigation Required.*</p> <p>There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.</p>                                                                                                                                                                                                                                                                                                      |
| <b>Negligible Risk</b>  | <p>No Ground Investigation Required.*</p> <p>There is a very low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.</p>                                                                                                                                                                                                                                                                                                 |

\* No further action is required unless unforeseen contaminated ground conditions are encountered.

## PHOTOGRAPHS



# SUB SURFACE

SITE INVESTIGATION AND SPECIALIST GEOTECHNICAL CONSULTANTS  
3 Peel Street, Preston, PR2 2QS. Tel. (01772) 561135 Fax (01772) 204907

## Photographs

Site: LAND AT LINK ROAD, HUYTON, KNOWSLEY, MERSEYSIDE, L36 6AP  
Client: GREEN RECOVERY SOUTH WEST LIMITED  
Engineer: ARCHITECTURE WORKS LIMITED

Job No.  
8362  
Sheet  
1 / 3  
Survey Date  
11/03/26

### WALKOVER SURVEY PHOTOGRAPHS

1



2



3



4



5



6



7



8





# SUB SURFACE

SITE INVESTIGATION AND SPECIALIST GEOTECHNICAL CONSULTANTS  
3 Peel Street, Preston, PR2 2QS. Tel. (01772) 561135 Fax (01772) 204907

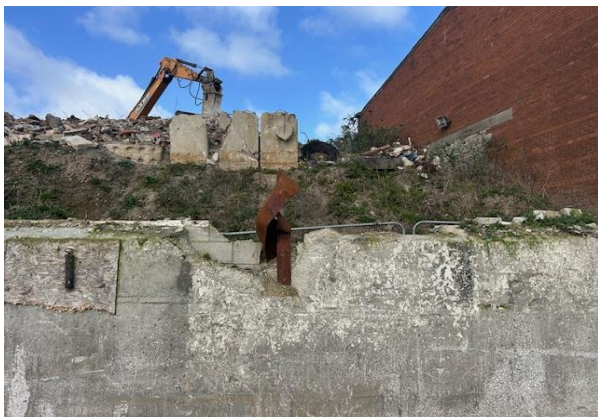
## Photographs

Site: LAND AT LINK ROAD, HUYTON, KNOWSLEY, MERSEYSIDE, L36 6AP  
Client: GREEN RECOVERY SOUTH WEST LIMITED  
Engineer: ARCHITECTURE WORKS LIMITED

Job No.  
8362  
Sheet  
2 / 3  
Survey Date  
11/03/26

### WALKOVER SURVEY PHOTOGRAPHS

9



10



11



12



13



14



15



16





# SUB SURFACE

SITE INVESTIGATION AND SPECIALIST GEOTECHNICAL CONSULTANTS  
3 Peel Street, Preston, PR2 2QS. Tel. (01772) 561135 Fax (01772) 204907

## Photographs

Site: LAND AT LINK ROAD, HUYTON, KNOWSLEY, MERSEYSIDE, L36 6AP  
Client: GREEN RECOVERY SOUTH WEST LIMITED  
Engineer: ARCHITECTURE WORKS LIMITED

Job No.  
8362  
Sheet  
3 / 3  
Survey Date  
11/03/26

### WALKOVER SURVEY PHOTOGRAPHS

17



18



19



20



21



22



23



24



## **ENVIRO+GEO INSIGHT REPORT**

Land at Link Road, Liverpool, Huyton, L36 6AP

## Order Details

**Date:** 10/03/2026  
**Your ref:** CMAPS-CM-1267507-4199-100326  
**Our Ref:** CMAPS-CM-1267507-4199-100326EDRGeo

## Site Details

**Location:** 345504 390227  
**Area:** 0.55 ha  
**Authority:** [Knowsley Metropolitan Borough Council](#)  
↗

## Site plan



## Quick Links

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

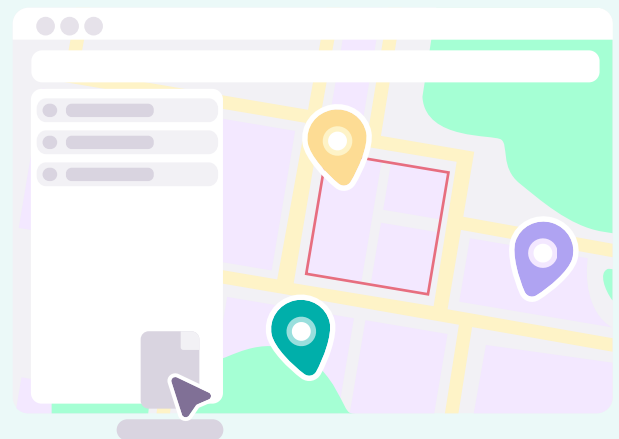
[Insight User Guide](#) ↗

## Interrogate this site with GIS data!

Insight data can also be purchased in GIS format to visualise and analyse the data

- Map and interpret 130+ datasets across 170 years
- Generate insights and visuals quickly
- Geopackage format allows easy load into several GIS applications

Access to Groundsure Insight GIS data is purchased on a 12 month licence.



## Summary of findings

| Page                    | Section                  | <a href="#">Past land use &gt;</a>                                                | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|-------------------------|--------------------------|-----------------------------------------------------------------------------------|---------|-------|---------|----------|-----------|
| <a href="#">15 &gt;</a> | <a href="#">1.1 &gt;</a> | <a href="#">Historical industrial land uses &gt;</a>                              | 2       | 7     | 45      | 114      | -         |
| <a href="#">22 &gt;</a> | <a href="#">1.2 &gt;</a> | <a href="#">Historical tanks &gt;</a>                                             | 0       | 0     | 36      | 37       | -         |
| <a href="#">25 &gt;</a> | <a href="#">1.3 &gt;</a> | <a href="#">Historical energy features &gt;</a>                                   | 0       | 2     | 11      | 34       | -         |
| 27                      | 1.4                      | Historical petrol stations                                                        | 0       | 0     | 0       | 0        | -         |
| <a href="#">27 &gt;</a> | <a href="#">1.5 &gt;</a> | <a href="#">Historical garages &gt;</a>                                           | 0       | 0     | 0       | 4        | -         |
| 27                      | 1.6                      | Historical military land                                                          | 0       | 0     | 0       | 0        | -         |
| Page                    | Section                  | <a href="#">Past land use - un-grouped &gt;</a>                                   | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">28 &gt;</a> | <a href="#">2.1 &gt;</a> | <a href="#">Historical industrial land uses &gt;</a>                              | 2       | 7     | 50      | 144      | -         |
| <a href="#">36 &gt;</a> | <a href="#">2.2 &gt;</a> | <a href="#">Historical tanks &gt;</a>                                             | 0       | 0     | 70      | 58       | -         |
| <a href="#">41 &gt;</a> | <a href="#">2.3 &gt;</a> | <a href="#">Historical energy features &gt;</a>                                   | 0       | 3     | 26      | 66       | -         |
| 44                      | 2.4                      | Historical petrol stations                                                        | 0       | 0     | 0       | 0        | -         |
| <a href="#">44 &gt;</a> | <a href="#">2.5 &gt;</a> | <a href="#">Historical garages &gt;</a>                                           | 0       | 0     | 0       | 6        | -         |
| Page                    | Section                  | <a href="#">Waste and landfill &gt;</a>                                           | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 46                      | 3.1                      | Active or recent landfill                                                         | 0       | 0     | 0       | 0        | -         |
| <a href="#">46 &gt;</a> | <a href="#">3.2 &gt;</a> | <a href="#">Historical landfill (BGS records) &gt;</a>                            | 0       | 0     | 0       | 1        | -         |
| <a href="#">47 &gt;</a> | <a href="#">3.3 &gt;</a> | <a href="#">Historical landfill (LA/mapping records) &gt;</a>                     | 0       | 1     | 1       | 0        | -         |
| <a href="#">47 &gt;</a> | <a href="#">3.4 &gt;</a> | <a href="#">Historical landfill (EA/NRW records) &gt;</a>                         | 1       | 0     | 0       | 3        | -         |
| <a href="#">48 &gt;</a> | <a href="#">3.5 &gt;</a> | <a href="#">Historical waste sites &gt;</a>                                       | 0       | 0     | 5       | 6        | -         |
| <a href="#">51 &gt;</a> | <a href="#">3.6 &gt;</a> | <a href="#">Licensed waste sites &gt;</a>                                         | 6       | 0     | 7       | 11       | -         |
| <a href="#">58 &gt;</a> | <a href="#">3.7 &gt;</a> | <a href="#">Waste exemptions &gt;</a>                                             | 10      | 9     | 13      | 26       | -         |
| Page                    | Section                  | <a href="#">Current industrial land use &gt;</a>                                  | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">64 &gt;</a> | <a href="#">4.1 &gt;</a> | <a href="#">Recent industrial land uses &gt;</a>                                  | 1       | 3     | 37      | -        | -         |
| <a href="#">67 &gt;</a> | <a href="#">4.2 &gt;</a> | <a href="#">National Geographic Database (NGD) - Current or recent tanks &gt;</a> | 0       | 0     | 1       | -        | -         |
| 67                      | 4.3                      | Current or recent petrol stations                                                 | 0       | 0     | 0       | 0        | -         |
| 68                      | 4.4                      | Electricity cables                                                                | 0       | 0     | 0       | 0        | -         |
| 68                      | 4.5                      | Gas pipelines                                                                     | 0       | 0     | 0       | 0        | -         |



| 68                   | 4.6                    | Sites determined as Contaminated Land                        | 0                        | 0     | 0       | 0        | -         |
|----------------------|------------------------|--------------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| <a href="#">68</a> > | <a href="#">4.7</a> >  | <a href="#">Control of Major Accident Hazards (COMAH)</a> >  | 0                        | 0     | 1       | 0        | -         |
| 69                   | 4.8                    | Regulated explosive sites                                    | 0                        | 0     | 0       | 0        | -         |
| <a href="#">69</a> > | <a href="#">4.9</a> >  | <a href="#">Hazardous substance storage/usage</a> >          | 0                        | 1     | 0       | 1        | -         |
| 69                   | 4.10                   | Historical licensed industrial activities (IPC)              | 0                        | 0     | 0       | 0        | -         |
| <a href="#">70</a> > | <a href="#">4.11</a> > | <a href="#">Licensed industrial activities (Part A(1))</a> > | 0                        | 0     | 1       | 4        | -         |
| <a href="#">71</a> > | <a href="#">4.12</a> > | <a href="#">Licensed pollutant release (Part A(2)/B)</a> >   | 0                        | 0     | 8       | 4        | -         |
| 72                   | 4.13                   | Radioactive Substance Authorisations                         | 0                        | 0     | 0       | 0        | -         |
| <a href="#">72</a> > | <a href="#">4.14</a> > | <a href="#">Licensed Discharges to controlled waters</a> >   | 0                        | 0     | 0       | 10       | -         |
| 74                   | 4.15                   | Pollutant release to surface waters (Red List)               | 0                        | 0     | 0       | 0        | -         |
| 74                   | 4.16                   | Pollutant release to public sewer                            | 0                        | 0     | 0       | 0        | -         |
| 75                   | 4.17                   | List 1 Dangerous Substances                                  | 0                        | 0     | 0       | 0        | -         |
| 75                   | 4.18                   | List 2 Dangerous Substances                                  | 0                        | 0     | 0       | 0        | -         |
| <a href="#">75</a> > | <a href="#">4.19</a> > | <a href="#">Pollution Incidents (EA/NRW)</a> >               | 0                        | 0     | 14      | 9        | -         |
| 78                   | 4.20                   | Pollution inventory substances                               | 0                        | 0     | 0       | 0        | -         |
| 78                   | 4.21                   | Pollution inventory waste transfers                          | 0                        | 0     | 0       | 0        | -         |
| 78                   | 4.22                   | Pollution inventory radioactive waste                        | 0                        | 0     | 0       | 0        | -         |
| Page                 | Section                | <a href="#">Hydrogeology</a> >                               | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">79</a> > | <a href="#">5.1</a> >  | <a href="#">Superficial aquifer</a> >                        | Identified (within 500m) |       |         |          |           |
| <a href="#">81</a> > | <a href="#">5.2</a> >  | <a href="#">Bedrock aquifer</a> >                            | Identified (within 500m) |       |         |          |           |
| <a href="#">83</a> > | <a href="#">5.3</a> >  | <a href="#">Groundwater vulnerability</a> >                  | Identified (within 50m)  |       |         |          |           |
| 84                   | 5.4                    | Groundwater vulnerability- soluble rock risk                 | None (within 0m)         |       |         |          |           |
| 84                   | 5.5                    | Groundwater vulnerability- local information                 | None (within 0m)         |       |         |          |           |
| 85                   | 5.6                    | Groundwater abstractions                                     | 0                        | 0     | 0       | 0        | 0         |
| <a href="#">86</a> > | <a href="#">5.7</a> >  | <a href="#">Surface water abstractions</a> >                 | 0                        | 0     | 0       | 0        | 4         |
| 87                   | 5.8                    | Potable abstractions                                         | 0                        | 0     | 0       | 0        | 0         |
| 87                   | 5.9                    | Source Protection Zones                                      | 0                        | 0     | 0       | 0        | -         |
| 87                   | 5.10                   | Source Protection Zones (confined aquifer)                   | 0                        | 0     | 0       | 0        | -         |
| Page                 | Section                | <a href="#">Hydrology</a> >                                  | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |

| 88                    | 6.1                     | Water Network (OS MasterMap)                        | 0                                      | 0     | 0       | -        | -         |
|-----------------------|-------------------------|-----------------------------------------------------|----------------------------------------|-------|---------|----------|-----------|
| 88                    | 6.2                     | Surface water features                              | 0                                      | 0     | 0       | -        | -         |
| <a href="#">89</a> >  | <a href="#">6.3</a> >   | <a href="#">WFD Surface water body catchments</a> > | 1                                      | -     | -       | -        | -         |
| <a href="#">89</a> >  | <a href="#">6.4</a> >   | <a href="#">WFD Surface water bodies</a> >          | 0                                      | 0     | 0       | -        | -         |
| <a href="#">90</a> >  | <a href="#">6.5</a> >   | <a href="#">WFD Groundwater bodies</a> >            | 1                                      | -     | -       | -        | -         |
| Page                  | Section                 | River and coastal flooding                          | On site                                | 0-50m | 50-250m | 250-500m | 500-2000m |
| 91                    | 7.1                     | Risk of flooding from rivers and the sea            | None (within 50m)                      |       |         |          |           |
| 91                    | 7.2                     | Historical Flood Events                             | 0                                      | 0     | 0       | -        | -         |
| 91                    | 7.3                     | Flood Defences                                      | 0                                      | 0     | 0       | -        | -         |
| 92                    | 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                 | <a href="#">Surface water flooding</a> >            |                                        |       |         |          |           |
| <a href="#">94</a> >  | <a href="#">8.1</a> >   | <a href="#">Surface water flooding</a> >            | 1 in 30 year, 0.3m - 1.0m (within 50m) |       |         |          |           |
| Page                  | Section                 | <a href="#">Groundwater flooding</a> >              |                                        |       |         |          |           |
| <a href="#">96</a> >  | <a href="#">9.1</a> >   | <a href="#">Groundwater flooding</a> >              | Low (within 50m)                       |       |         |          |           |
| Page                  | Section                 | <a href="#">Environmental designations</a> >        | On site                                | 0-50m | 50-250m | 250-500m | 500-2000m |
| 97                    | 10.1                    | Sites of Special Scientific Interest (SSSI)         | 0                                      | 0     | 0       | 0        | 0         |
| 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        | 0         |
| <a href="#">99</a> >  | <a href="#">10.7</a> >  | <a href="#">Designated Ancient Woodland</a> >       | 0                                      | 0     | 0       | 0        | 31        |
| 100                   | 10.8                    | Biosphere Reserves                                  | 0                                      | 0     | 0       | 0        | 0         |
| 100                   | 10.9                    | Forest Parks                                        | 0                                      | 0     | 0       | 0        | 0         |
| 101                   | 10.10                   | Marine Conservation Zones                           | 0                                      | 0     | 0       | 0        | 0         |
| <a href="#">101</a> > | <a href="#">10.11</a> > | <a href="#">Green Belt</a> >                        | 0                                      | 0     | 0       | 1        | 2         |



| 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         |
| 102                   | 10.14                   | Potential Special Protection Areas (pSPA)          | 0                        | 0     | 0       | 0        | 0         |
| 102                   | 10.15                   | Nitrate Sensitive Areas                            | 0                        | 0     | 0       | 0        | 0         |
| <a href="#">102</a> > | <a href="#">10.16</a> > | <a href="#">Nitrate Vulnerable Zones</a> >         | 1                        | 0     | 0       | 0        | 3         |
| <a href="#">103</a> > | <a href="#">10.17</a> > | <a href="#">SSSI Impact Risk Zones</a> >           | 1                        | -     | -       | -        | -         |
| 104                   | 10.18                   | SSSI Units                                         | 0                        | 0     | 0       | 0        | 0         |
| Page                  | Section                 | Visual and cultural designations                   | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 105                   | 11.1                    | World Heritage Sites                               | 0                        | 0     | 0       | -        | -         |
| 105                   | 11.2                    | Area of Outstanding Natural Beauty                 | 0                        | 0     | 0       | -        | -         |
| 105                   | 11.3                    | National Parks                                     | 0                        | 0     | 0       | -        | -         |
| 105                   | 11.4                    | Listed Buildings                                   | 0                        | 0     | 0       | -        | -         |
| 106                   | 11.5                    | Conservation Areas                                 | 0                        | 0     | 0       | -        | -         |
| 106                   | 11.6                    | Scheduled Ancient Monuments                        | 0                        | 0     | 0       | -        | -         |
| 106                   | 11.7                    | Registered Parks and Gardens                       | 0                        | 0     | 0       | -        | -         |
| Page                  | Section                 | <a href="#">Agricultural designations</a> >        | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">107</a> > | <a href="#">12.1</a> >  | <a href="#">Agricultural Land Classification</a> > | Urban (within 250m)      |       |         |          |           |
| 108                   | 12.2                    | Open Access Land                                   | 0                        | 0     | 0       | -        | -         |
| 108                   | 12.3                    | Tree Felling Licences                              | 0                        | 0     | 0       | -        | -         |
| 108                   | 12.4                    | Environmental Stewardship Schemes                  | 0                        | 0     | 0       | -        | -         |
| 108                   | 12.5                    | Countryside Stewardship Schemes                    | 0                        | 0     | 0       | -        | -         |
| Page                  | Section                 | <a href="#">Habitat designations</a> >             | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">109</a> > | <a href="#">13.1</a> >  | <a href="#">Priority Habitat Inventory</a> >       | 0                        | 0     | 1       | -        | -         |
| 110                   | 13.2                    | Habitat Networks                                   | 0                        | 0     | 0       | -        | -         |
| <a href="#">110</a> > | <a href="#">13.3</a> >  | <a href="#">Open Mosaic Habitat</a> >              | 0                        | 0     | 1       | -        | -         |
| 110                   | 13.4                    | Limestone Pavement Orders                          | 0                        | 0     | 0       | -        | -         |
| Page                  | Section                 | <a href="#">Geology 1:10,000 scale</a> >           | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">111</a> > | <a href="#">14.1</a> >  | <a href="#">10k Availability</a> >                 | Identified (within 500m) |       |         |          |           |
| <a href="#">112</a> > | <a href="#">14.2</a> >  | <a href="#">Artificial and made ground (10k)</a> > | 0                        | 0     | 2       | 9        | -         |

| <a href="#">114</a> > | <a href="#">14.3</a> >  | <a href="#">Superficial geology (10k)</a> >                      | 1                        | 0     | 1       | 1        | -         |
|-----------------------|-------------------------|------------------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 115                   | 14.4                    | Landslip (10k)                                                   | 0                        | 0     | 0       | 0        | -         |
| <a href="#">116</a> > | <a href="#">14.5</a> >  | <a href="#">Bedrock geology (10k)</a> >                          | 3                        | 0     | 7       | 9        | -         |
| <a href="#">118</a> > | <a href="#">14.6</a> >  | <a href="#">Bedrock faults and other linear features (10k)</a> > | 2                        | 0     | 12      | 31       | -         |
| Page                  | Section                 | <a href="#">Geology 1:50,000 scale</a> >                         | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">120</a> > | <a href="#">15.1</a> >  | <a href="#">50k Availability</a> >                               | Identified (within 500m) |       |         |          |           |
| 121                   | 15.2                    | Artificial and made ground (50k)                                 | 0                        | 0     | 0       | 0        | -         |
| 121                   | 15.3                    | Artificial ground permeability (50k)                             | 0                        | 0     | -       | -        | -         |
| <a href="#">122</a> > | <a href="#">15.4</a> >  | <a href="#">Superficial geology (50k)</a> >                      | 1                        | 0     | 0       | 0        | -         |
| <a href="#">123</a> > | <a href="#">15.5</a> >  | <a href="#">Superficial permeability (50k)</a> >                 | Identified (within 50m)  |       |         |          |           |
| 123                   | 15.6                    | Landslip (50k)                                                   | 0                        | 0     | 0       | 0        | -         |
| 123                   | 15.7                    | Landslip permeability (50k)                                      | None (within 50m)        |       |         |          |           |
| <a href="#">124</a> > | <a href="#">15.8</a> >  | <a href="#">Bedrock geology (50k)</a> >                          | 2                        | 0     | 4       | 8        | -         |
| <a href="#">125</a> > | <a href="#">15.9</a> >  | <a href="#">Bedrock permeability (50k)</a> >                     | Identified (within 50m)  |       |         |          |           |
| <a href="#">126</a> > | <a href="#">15.10</a> > | <a href="#">Bedrock faults and other linear features (50k)</a> > | 1                        | 2     | 10      | 20       | -         |
| Page                  | Section                 | Boreholes                                                        | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 128                   | 16.1                    | BGS Boreholes                                                    | 0                        | 0     | 0       | -        | -         |
| Page                  | Section                 | <a href="#">Natural ground subsidence</a> >                      |                          |       |         |          |           |
| <a href="#">129</a> > | <a href="#">17.1</a> >  | <a href="#">Shrink swell clays</a> >                             | Very low (within 50m)    |       |         |          |           |
| <a href="#">130</a> > | <a href="#">17.2</a> >  | <a href="#">Running sands</a> >                                  | Very low (within 50m)    |       |         |          |           |
| <a href="#">131</a> > | <a href="#">17.3</a> >  | <a href="#">Compressible deposits</a> >                          | Negligible (within 50m)  |       |         |          |           |
| <a href="#">132</a> > | <a href="#">17.4</a> >  | <a href="#">Collapsible deposits</a> >                           | Very low (within 50m)    |       |         |          |           |
| <a href="#">133</a> > | <a href="#">17.5</a> >  | <a href="#">Landslides</a> >                                     | Very low (within 50m)    |       |         |          |           |
| <a href="#">134</a> > | <a href="#">17.6</a> >  | <a href="#">Ground dissolution of soluble rocks</a> >            | Negligible (within 50m)  |       |         |          |           |
| Page                  | Section                 | <a href="#">Mining and ground workings</a> >                     | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">136</a> > | <a href="#">18.1</a> >  | <a href="#">BritPits</a> >                                       | 0                        | 0     | 1       | 4        | -         |
| <a href="#">138</a> > | <a href="#">18.2</a> >  | <a href="#">Surface ground workings</a> >                        | 0                        | 4     | 30      | -        | -         |
| <a href="#">139</a> > | <a href="#">18.3</a> >  | <a href="#">Underground workings</a> >                           | 0                        | 0     | 0       | 14       | 31        |
| 141                   | 18.4                    | Underground mining extents                                       | 0                        | 0     | 0       | 0        | -         |



| <a href="#">142</a> > | <a href="#">18.5</a> >  | <a href="#">Historical Mineral Planning Areas</a> >       | 1                        | 1     | 0       | 1        | -         |
|-----------------------|-------------------------|-----------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| <a href="#">142</a> > | <a href="#">18.6</a> >  | <a href="#">Non-coal mining</a> >                         | 0                        | 0     | 1       | 1        | 0         |
| 143                   | 18.7                    | JPB mining areas                                          | None (within 0m)         |       |         |          |           |
| 143                   | 18.8                    | The Coal Authority non-coal mining                        | 0                        | 0     | 0       | 0        | -         |
| 143                   | 18.9                    | Researched mining                                         | 0                        | 0     | 0       | 0        | -         |
| 143                   | 18.10                   | Mining record office plans                                | 0                        | 0     | 0       | 0        | -         |
| 144                   | 18.11                   | BGS mine plans                                            | 0                        | 0     | 0       | 0        | -         |
| <a href="#">144</a> > | <a href="#">18.12</a> > | <a href="#">Coal mining</a> >                             | Identified (within 0m)   |       |         |          |           |
| 144                   | 18.13                   | Brine areas                                               | None (within 0m)         |       |         |          |           |
| 144                   | 18.14                   | Gypsum areas                                              | None (within 0m)         |       |         |          |           |
| 144                   | 18.15                   | Tin mining                                                | None (within 0m)         |       |         |          |           |
| 145                   | 18.16                   | Clay mining                                               | None (within 0m)         |       |         |          |           |
| Page                  | Section                 | Ground cavities and sinkholes                             | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 146                   | 19.1                    | Natural cavities                                          | 0                        | 0     | 0       | 0        | -         |
| 146                   | 19.2                    | Mining cavities                                           | 0                        | 0     | 0       | 0        | 0         |
| 146                   | 19.3                    | Reported recent incidents                                 | 0                        | 0     | 0       | 0        | -         |
| 146                   | 19.4                    | Historical incidents                                      | 0                        | 0     | 0       | 0        | -         |
| Page                  | Section                 | <a href="#">Radon</a> >                                   |                          |       |         |          |           |
| <a href="#">148</a> > | <a href="#">20.1</a> >  | <a href="#">Radon</a> >                                   | Less than 1% (within 0m) |       |         |          |           |
| Page                  | Section                 | <a href="#">Soil chemistry</a> >                          | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">150</a> > | <a href="#">21.1</a> >  | <a href="#">BGS Estimated Background Soil Chemistry</a> > | 4                        | 0     | -       | -        | -         |
| 150                   | 21.2                    | BGS Estimated Urban Soil Chemistry                        | 0                        | 0     | -       | -        | -         |
| 151                   | 21.3                    | BGS Measured Urban Soil Chemistry                         | 0                        | 0     | -       | -        | -         |
| Page                  | Section                 | <a href="#">Railway infrastructure and projects</a> >     | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 152                   | 22.1                    | Underground railways (London)                             | 0                        | 0     | 0       | -        | -         |
| 152                   | 22.2                    | Underground railways (Non-London)                         | 0                        | 0     | 0       | -        | -         |
| 153                   | 22.3                    | Railway tunnels                                           | 0                        | 0     | 0       | -        | -         |
| <a href="#">153</a> > | <a href="#">22.4</a> >  | <a href="#">Historical railway and tunnel features</a> >  | 0                        | 0     | 12      | -        | -         |
| 154                   | 22.5                    | Royal Mail tunnels                                        | 0                        | 0     | 0       | -        | -         |



|     |      |                     |   |   |   |   |   |
|-----|------|---------------------|---|---|---|---|---|
| 154 | 22.6 | Historical railways | 0 | 0 | 0 | - | - |
| 154 | 22.7 | Railways            | 0 | 0 | 0 | - | - |
| 154 | 22.8 | Crossrail 2         | 0 | 0 | 0 | 0 | - |
| 154 | 22.9 | HS2                 | 0 | 0 | 0 | 0 | - |

## Recent aerial photograph



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

Capture Date: 28/09/2022

Site Area: 0.55ha



## Recent site history - 2019 aerial photograph



Capture Date: 22/04/2019

Site Area: 0.55ha



## Recent site history - 2009 aerial photograph



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

Capture Date: 24/06/2009

Site Area: 0.55ha



## Recent site history - 2005 aerial photograph



Capture Date: 02/09/2005

Site Area: 0.55ha



## Recent site history - 2000 aerial photograph



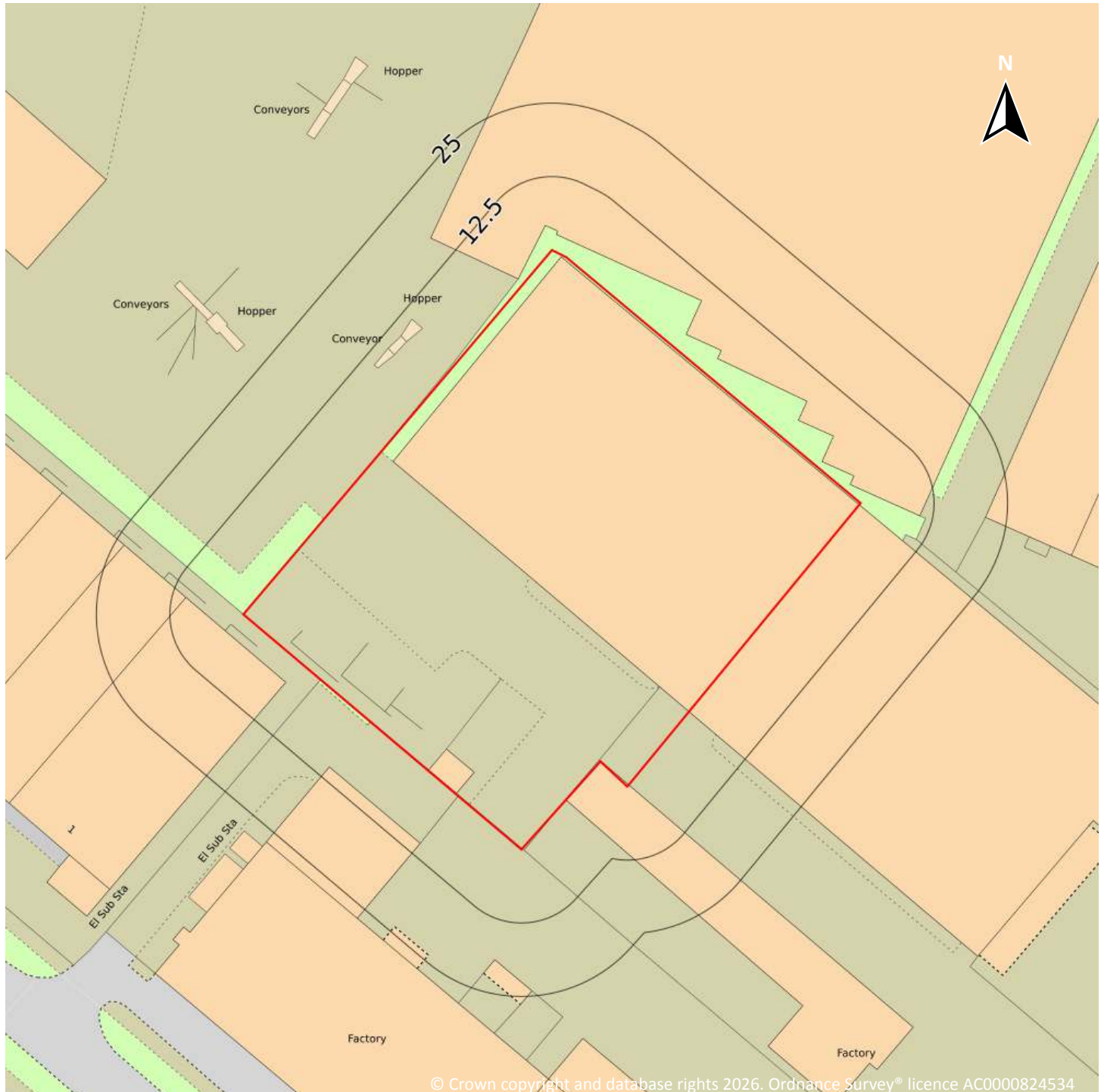
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2026. All Rights Reserved.

Capture Date: 21/07/2000

Site Area: 0.55ha



## OS MasterMap site plan

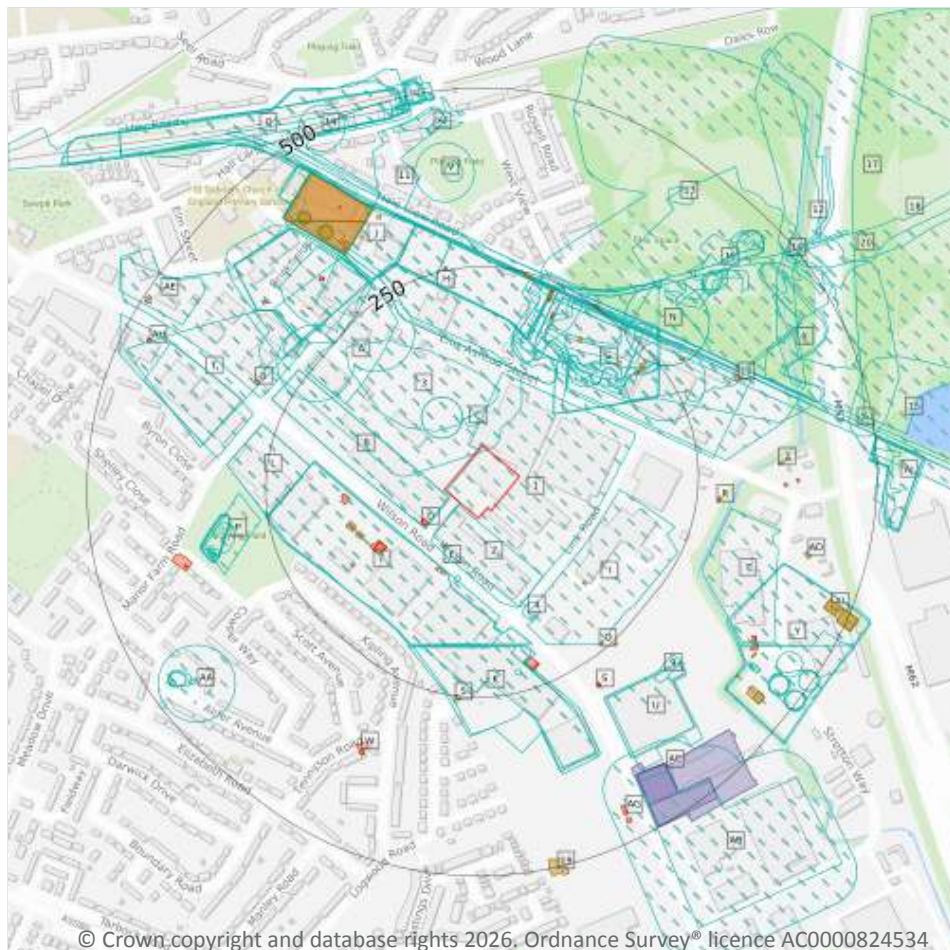


© Crown copyright and database rights 2026. Ordnance Survey® licence AC0000824534

Site Area: 0.55ha



## 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

168

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

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

| ID | Location | Land use          | Dates present | Group ID |
|----|----------|-------------------|---------------|----------|
| 1  | On site  | Unspecified Works | 1978          | 886163   |



| ID       | Location       | Land use                          | Dates present | Group ID      |
|----------|----------------|-----------------------------------|---------------|---------------|
| <b>A</b> | <b>On site</b> | <b>Unspecified Works</b>          | <b>1966</b>   | <b>998104</b> |
| 2        | 4m SW          | Unspecified Factory               | 1966          | 857217        |
| B        | 4m SW          | Unspecified Commercial/Industrial | 1978          | 822504        |
| B        | 4m SW          | Unspecified Works                 | 1966          | 1003677       |
| C        | 30m N          | Unspecified Pit                   | 1966          | 891524        |
| C        | 39m NW         | Unspecified Quarry                | 1978          | 1004067       |
| C        | 39m NW         | Unspecified Quarry                | 1990          | 1006526       |
| 3        | 42m NW         | Unspecified Pit                   | 1966          | 870652        |
| E        | 70m SW         | Coal Pits                         | 1850          | 817162        |
| E        | 85m S          | Coal Pits                         | 1850          | 817166        |
| F        | 86m SW         | Unspecified Factory               | 1966          | 967142        |
| F        | 86m SW         | Unspecified Factory               | 1990          | 944536        |
| F        | 86m SW         | Unspecified Factory               | 1978          | 1003086       |
| G        | 97m NE         | Timber Yard and Saw Mill          | 1956          | 818860        |
| G        | 98m NE         | Iron Works                        | 1906          | 863467        |
| G        | 110m NE        | Unspecified Mill                  | 1966          | 826284        |
| H        | 116m NE        | Unspecified Factory               | 1966 - 1978   | 934037        |
| H        | 116m NE        | Unspecified Works                 | 1966          | 919726        |
| H        | 116m NE        | Unspecified Works                 | 1990          | 932314        |
| I        | 130m SE        | Unspecified Warehouse             | 1978          | 848403        |
| G        | 130m NE        | Iron Works                        | 1891          | 905526        |
| G        | 132m NE        | Unspecified Ground Workings       | 1906          | 960749        |
| G        | 134m NE        | Unspecified Depot                 | 1978          | 905427        |
| 4        | 138m SE        | Unspecified Heap                  | 1966          | 844410        |
| G        | 138m NE        | Unspecified Depot                 | 1990          | 912823        |
| G        | 141m NE        | Pits                              | 1850          | 838178        |
| G        | 147m NE        | Unspecified Ground Workings       | 1891          | 973679        |
| G        | 148m NE        | Unspecified Ground Workings       | 1906          | 905895        |



| ID | Location | Land use                          | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| H  | 160m NE  | Electric Lamp Works               | 1925          | 908707   |
| G  | 160m NE  | Unspecified Ground Workings       | 1925 - 1938   | 934890   |
| H  | 161m N   | Electric Lamp Works               | 1938          | 927773   |
| J  | 161m NE  | Electric Lamp Works               | 1956          | 974521   |
| A  | 162m NW  | Unspecified Tank                  | 1966          | 953030   |
| H  | 163m NE  | Electric Lamp Works               | 1906 - 1925   | 986442   |
| G  | 163m NE  | Unspecified Ground Workings       | 1956          | 985996   |
| G  | 164m NE  | Railway Sidings                   | 1906          | 999258   |
| K  | 179m S   | Unspecified Commercial/Industrial | 1977          | 864359   |
| K  | 179m S   | Unspecified Commercial/Industrial | 1989          | 864773   |
| K  | 179m S   | Unspecified Commercial/Industrial | 1967          | 969680   |
| J  | 180m NE  | Railway Sidings                   | 1891          | 1009984  |
| A  | 183m NW  | Unspecified Warehouse             | 1990          | 848371   |
| G  | 188m NE  | Unspecified Quarry                | 1906          | 978907   |
| L  | 191m W   | Unspecified Warehouse             | 1978          | 882212   |
| L  | 191m W   | Unspecified Warehouse             | 1990          | 997081   |
| K  | 218m S   | Coal Pit                          | 1850          | 832449   |
| M  | 230m NE  | Unspecified Disused Workings      | 1966          | 855655   |
| J  | 236m N   | Pottery                           | 1906          | 812086   |
| N  | 238m NE  | Unspecified Quarry                | 1925          | 980478   |
| N  | 238m NE  | Unspecified Quarry                | 1947          | 991758   |
| G  | 240m NE  | Railway Sidings                   | 1956          | 945684   |
| G  | 242m NE  | Mineral Railway Sidings           | 1938          | 858568   |
| G  | 244m NE  | Railway Sidings                   | 1850          | 862742   |
| A  | 250m NW  | Brick Fields                      | 1978          | 833913   |
| P  | 260m W   | Colliery                          | 1891          | 844674   |
| Q  | 266m N   | Railway Sidings                   | 1956          | 960529   |
| A  | 275m NW  | Chair Making Works                | 1938          | 999109   |



| ID | Location | Land use                          | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| J  | 275m NW  | Unspecified Commercial/Industrial | 1978          | 882267   |
| 6  | 276m NE  | Railway Sidings                   | 1906          | 1006963  |
| A  | 276m NW  | Chair Making Works                | 1956          | 949548   |
| J  | 276m NW  | Unspecified Works                 | 1938          | 925994   |
| A  | 277m NW  | Unspecified Ground Workings       | 1906          | 815739   |
| A  | 279m NW  | Unspecified Pit                   | 1966          | 831125   |
| 7  | 286m SE  | Unspecified Depot                 | 1990          | 821479   |
| T  | 287m NW  | Brick Works                       | 1956          | 953507   |
| T  | 287m W   | Unspecified Commercial/Industrial | 1978          | 821990   |
| A  | 289m NW  | Brick Works                       | 1938          | 974791   |
| P  | 300m W   | Unspecified Ground Workings       | 1891          | 816299   |
| P  | 303m W   | Unspecified Heap                  | 1906 - 1925   | 998631   |
| P  | 303m W   | Unspecified Heap                  | 1938          | 984095   |
| P  | 303m W   | Unspecified Heap                  | 1925          | 939304   |
| P  | 304m W   | Unspecified Heap                  | 1956          | 940127   |
| U  | 305m SE  | Unspecified Warehouse             | 1977          | 992890   |
| U  | 308m SE  | Unspecified Warehouse             | 1989          | 978938   |
| T  | 310m NW  | Unspecified Depot                 | 1966          | 821427   |
| P  | 313m W   | Unspecified Old Shafts            | 1956          | 846310   |
| M  | 319m NE  | Colliery                          | 1850          | 938691   |
| 9  | 323m SE  | Corn Mill                         | 1850          | 811938   |
| M  | 324m NE  | Unspecified Ground Workings       | 1966          | 816305   |
| M  | 324m NE  | Refuse Heap                       | 1850          | 810120   |
| P  | 324m W   | Unspecified Old Shafts            | 1956          | 846309   |
| J  | 328m NW  | Gas Works                         | 1891          | 852829   |
| J  | 329m NW  | Chair Making Works                | 1925          | 899991   |
| J  | 329m NW  | Chair Making Works                | 1925          | 886477   |
| J  | 329m NW  | Unspecified Commercial/Industrial | 1906          | 929954   |



| ID | Location | Land use                | Dates present | Group ID |
|----|----------|-------------------------|---------------|----------|
| P  | 329m W   | Unspecified Old Shafts  | 1956          | 846308   |
| P  | 332m W   | Unspecified Old Shaft   | 1906 - 1925   | 918337   |
| P  | 333m W   | Unspecified Old Shaft   | 1925 - 1938   | 860755   |
| V  | 344m N   | Unspecified Quarry      | 1906 - 1925   | 908111   |
| 11 | 348m N   | Unspecified Quarry      | 1891          | 978845   |
| X  | 348m NE  | Refuse Heap             | 1947          | 810237   |
| Y  | 353m SE  | Sewage Works            | 1925 - 1947   | 914969   |
| Y  | 357m SE  | Sewage Works            | 1956          | 868138   |
| J  | 360m NW  | Unspecified Tank        | 1906 - 1925   | 876356   |
| J  | 361m NW  | Unspecified Tank        | 1938          | 910629   |
| J  | 361m NW  | Unspecified Tank        | 1925          | 925666   |
| J  | 362m NW  | Gasometer               | 1891          | 812290   |
| Q  | 364m NW  | Railway Sidings         | 1966 - 1978   | 924720   |
| M  | 365m NE  | Unspecified Heap        | 1906          | 957683   |
| M  | 366m NE  | Unspecified Heap        | 1925          | 894643   |
| J  | 367m NW  | Mineral Railway Sidings | 1925          | 858669   |
| M  | 368m NE  | Unspecified Heap        | 1938          | 1001235  |
| M  | 370m NE  | Refuse Heap             | 1850          | 809884   |
| V  | 371m N   | Unspecified Quarry      | 1938          | 929875   |
| X  | 372m E   | Refuse Dump             | 1956          | 822841   |
| AA | 386m SW  | Unspecified Old Shaft   | 1955          | 878230   |
| Y  | 389m SE  | Sewage Works            | 1955          | 1000975  |
| AB | 390m SE  | Unspecified Works       | 1977          | 976683   |
| J  | 395m NW  | Unspecified Tank        | 1938          | 1006886  |
| J  | 395m NW  | Unspecified Tank        | 1906 - 1925   | 940617   |
| J  | 396m NW  | Gasometer               | 1891          | 812291   |
| 12 | 402m E   | Cuttings                | 1990          | 808299   |
| Y  | 415m SE  | Unspecified Tanks       | 1938          | 956084   |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| Y  | 417m SE  | Unspecified Tanks           | 1955          | 917346   |
| X  | 425m NE  | Unspecified Ground Workings | 1966          | 816567   |
| 13 | 431m NE  | Unspecified Heap            | 1966          | 844218   |
| AB | 431m SE  | Unspecified Works           | 1989          | 915619   |
| M  | 431m NE  | Unspecified Heap            | 1891 - 1906   | 967581   |
| AE | 433m NW  | Unspecified Works           | 1966          | 834953   |
| M  | 436m NE  | Unspecified Heap            | 1938          | 974220   |
| AA | 440m SW  | Unspecified Heap            | 1938 - 1955   | 970792   |
| AA | 440m SW  | Unspecified Old Shaft       | 1938          | 863107   |
| AA | 440m SW  | Unspecified Old Shaft       | 1938          | 970050   |
| AF | 441m N   | Unspecified Quarry          | 1966          | 937292   |
| Y  | 443m SE  | Unspecified Tank            | 1947 - 1955   | 947391   |
| AA | 446m SW  | Unspecified Heap            | 1925          | 882146   |
| AF | 446m N   | Unspecified Quarry          | 1956          | 903026   |
| AA | 447m SW  | Unspecified Heap            | 1906 - 1925   | 984525   |
| Y  | 450m SE  | Unspecified Tanks           | 1938          | 819991   |
| M  | 451m NE  | Unspecified Old Shaft       | 1891          | 823719   |
| Y  | 451m SE  | Unspecified Tank            | 1925          | 881977   |
| Y  | 451m SE  | Unspecified Tank            | 1947          | 904708   |
| Y  | 454m SE  | Unspecified Tank            | 1955          | 881107   |
| M  | 460m NE  | Coal Pit                    | 1850          | 832455   |
| AF | 462m N   | Unspecified Ground Workings | 1956          | 816303   |
| AA | 463m SW  | Unspecified Old Shaft       | 1925          | 896671   |
| AA | 463m SW  | Unspecified Old Shaft       | 1906          | 902752   |
| AA | 463m SW  | Unspecified Old Shaft       | 1925          | 997295   |
| 14 | 465m NW  | Coal Wharf                  | 1906          | 806626   |
| 15 | 468m E   | Disused Colliery            | 1956          | 896166   |
| Q  | 474m N   | Railway Sidings             | 1906          | 883167   |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| Q  | 474m N   | Railway Sidings             | 1925 - 1938   | 978666   |
| Q  | 476m N   | Railway Sidings             | 1990          | 890295   |
| AF | 477m N   | Railway Building            | 1966 - 1978   | 966829   |
| AF | 478m N   | Railway Building            | 1891          | 890605   |
| AF | 480m N   | Railway Building            | 1990          | 882200   |
| 16 | 480m NE  | Railway Sidings             | 1891          | 956061   |
| Y  | 482m SE  | Unspecified Tank            | 1925          | 948675   |
| Y  | 482m SE  | Unspecified Tank            | 1947 - 1955   | 950711   |
| Y  | 482m SE  | Unspecified Tank            | 1947          | 903113   |
| Y  | 482m SE  | Unspecified Tank            | 1925          | 939653   |
| AF | 483m N   | Railway Building            | 1956          | 990444   |
| Y  | 485m SE  | Unspecified Tank            | 1955          | 943174   |
| 17 | 486m NE  | Unspecified Works           | 1966          | 903762   |
| AF | 486m N   | Railway Station             | 1891          | 939943   |
| 18 | 486m E   | Refuse Heap                 | 1990          | 928900   |
| Q  | 487m N   | Railway Sidings             | 1925          | 913966   |
| AF | 487m N   | Railway Station             | 1925          | 929812   |
| AF | 488m N   | Railway Station             | 1966          | 909232   |
| AF | 488m N   | Railway Building            | 1891          | 855275   |
| AF | 489m N   | Railway Station             | 1906 - 1925   | 892927   |
| AF | 490m N   | Railway Station             | 1938 - 1956   | 944514   |
| AJ | 490m E   | Old Colliery                | 1947          | 899131   |
| AJ | 490m E   | Old Colliery                | 1891 - 1925   | 1004997  |
| AJ | 491m E   | Old Colliery                | 1938          | 921272   |
| AJ | 494m E   | Old Colliery                | 1956          | 970803   |
| AJ | 496m E   | Unspecified Ground Workings | 1891          | 991489   |
| 20 | 498m NE  | Railway Sidings             | 1891          | 936724   |

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



## 1.2 Historical tanks

### Records within 500m

**73**

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

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

| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| F  | 129m SW  | Unspecified Tank | 1980          | 125927   |
| F  | 133m SW  | Unspecified Tank | 1980          | 125928   |
| F  | 133m SW  | Unspecified Tank | 1980          | 125925   |
| F  | 138m SW  | Unspecified Tank | 1980          | 125926   |
| I  | 162m SE  | Unspecified Tank | 1968 - 1987   | 133872   |
| F  | 164m SW  | Cooling Tank     | 1956 - 1957   | 140534   |
| G  | 197m NE  | Tanks            | 1984 - 1994   | 140068   |
| G  | 207m NE  | Unspecified Tank | 1892          | 125734   |
| G  | 216m NE  | Tanks            | 1977 - 1994   | 136644   |
| G  | 217m NE  | Tanks            | 1968          | 147491   |
| G  | 221m NE  | Tanks            | 1977 - 1987   | 136614   |
| G  | 221m NE  | Tanks            | 1956 - 1968   | 151674   |
| G  | 222m NE  | Unspecified Tank | 1970          | 127335   |
| G  | 222m NE  | Unspecified Tank | 1957 - 1960   | 129378   |
| G  | 223m NE  | Tanks            | 1968 - 1994   | 141906   |
| G  | 226m NE  | Tanks            | 1977 - 1987   | 133289   |
| G  | 226m NE  | Tanks            | 1956 - 1968   | 141585   |
| G  | 227m NE  | Unspecified Tank | 1970          | 138486   |
| G  | 227m NE  | Unspecified Tank | 1957 - 1960   | 145689   |
| G  | 232m NE  | Tanks            | 1984 - 1987   | 133695   |
| G  | 233m NE  | Tanks            | 1956 - 1968   | 144369   |



| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| G  | 233m NE  | Tanks            | 1977          | 151143   |
| G  | 233m NE  | Unspecified Tank | 1970          | 132048   |
| G  | 233m NE  | Unspecified Tank | 1957 - 1960   | 152001   |
| G  | 238m NE  | Unspecified Tank | 1970          | 140968   |
| G  | 238m NE  | Unspecified Tank | 1957 - 1960   | 147204   |
| O  | 240m SE  | Unspecified Tank | 1984          | 138140   |
| O  | 240m SE  | Unspecified Tank | 1987          | 140310   |
| O  | 241m SE  | Unspecified Tank | 1970          | 147112   |
| O  | 241m SE  | Unspecified Tank | 1977          | 149121   |
| O  | 241m SE  | Unspecified Tank | 1968          | 154507   |
| O  | 241m SE  | Unspecified Tank | 1994          | 127054   |
| G  | 242m N   | Tanks            | 1970 - 1993   | 138341   |
| G  | 242m N   | Tanks            | 1956 - 1957   | 150487   |
| 5  | 248m S   | Unspecified Tank | 1989 - 1993   | 143447   |
| G  | 249m NE  | Tanks            | 1984 - 1994   | 153171   |
| H  | 251m N   | Unspecified Tank | 1956          | 148560   |
| H  | 251m N   | Unspecified Tank | 1972          | 151359   |
| H  | 251m N   | Unspecified Tank | 1957          | 139576   |
| O  | 253m SE  | Unspecified Tank | 1987          | 114681   |
| A  | 254m NW  | Unspecified Tank | 1970          | 125737   |
| G  | 260m NE  | Unspecified Tank | 1968 - 1970   | 145968   |
| G  | 277m NE  | Unspecified Tank | 1977          | 125729   |
| R  | 279m E   | Unspecified Tank | 1984 - 1987   | 143236   |
| R  | 279m E   | Tanks            | 1994          | 112293   |
| G  | 280m NE  | Unspecified Tank | 1984 - 1987   | 140089   |
| G  | 281m NE  | Tanks            | 1994          | 112246   |
| A  | 304m NW  | Unspecified Tank | 1957          | 125738   |
| J  | 329m NW  | Gas Works        | 1892 - 1907   | 147813   |



| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| 10 | 331m NE  | Unspecified Tank | 1994          | 125739   |
| J  | 335m NW  | Unspecified Tank | 1927          | 125736   |
| J  | 348m NW  | Unspecified Tank | 1892 - 1927   | 147578   |
| J  | 353m NW  | Gas Works        | 1892 - 1907   | 131580   |
| J  | 360m NW  | Unspecified Tank | 1927          | 125735   |
| J  | 360m NW  | Gasometer        | 1892 - 1907   | 151883   |
| Z  | 362m E   | Unspecified Tank | 1977 - 1994   | 153329   |
| Z  | 375m E   | Unspecified Tank | 1977 - 1994   | 139745   |
| J  | 386m NW  | Unspecified Tank | 1892 - 1927   | 139874   |
| J  | 395m NW  | Gasometer        | 1907          | 114556   |
| J  | 396m NW  | Unspecified Tank | 1927          | 114735   |
| J  | 396m NW  | Gasometer        | 1892 - 1907   | 145504   |
| Y  | 410m SE  | Settling Tank    | 1927 - 1937   | 138061   |
| Y  | 411m SE  | Unspecified Tank | 1927 - 1937   | 130141   |
| AD | 413m E   | Tanks            | 1994          | 112295   |
| AD | 417m E   | Tanks            | 1994          | 112294   |
| AC | 430m SE  | Unspecified Tank | 1993 - 1996   | 129947   |
| AC | 432m SE  | Unspecified Tank | 1992          | 125929   |
| Y  | 437m SE  | Tanks            | 1937          | 112292   |
| Y  | 449m SE  | Settling Tanks   | 1927          | 126178   |
| AI | 463m SE  | Settling Tanks   | 1937          | 147138   |
| AI | 464m SE  | Settling Tanks   | 1927          | 152374   |
| 19 | 487m S   | Tanks            | 1996 - 1997   | 134319   |
| AI | 487m SE  | Settling Tanks   | 1937          | 149570   |

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



### 1.3 Historical energy features

#### Records within 500m

47

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

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

| ID | Location | Land use               | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| D  | 49m SW   | Electricity Substation | 1980 - 1994   | 69504    |
| D  | 50m SW   | Electricity Substation | 1956 - 1957   | 85060    |
| E  | 88m SW   | Electricity Substation | 1994          | 91104    |
| E  | 89m SW   | Gas Governor           | 1994          | 87056    |
| F  | 114m SW  | Electricity Substation | 1980          | 82288    |
| F  | 114m SW  | Electricity Substation | 1957          | 83232    |
| F  | 114m SW  | Electricity Substation | 1956          | 91804    |
| F  | 132m W   | Electricity Substation | 1980 - 1994   | 91397    |
| G  | 202m NE  | Electricity Substation | 1984 - 1987   | 69253    |
| G  | 202m NE  | Electricity Substation | 1968 - 1977   | 84775    |
| G  | 203m NE  | Electricity Substation | 1994          | 75076    |
| K  | 206m S   | Electricity Substation | 1982 - 1992   | 85314    |
| K  | 217m S   | Electricity Substation | 1993 - 1997   | 71895    |
| G  | 251m NE  | Electricity Substation | 1956 - 1957   | 81258    |
| S  | 283m SE  | Electricity Substation | 1993 - 1997   | 86899    |
| S  | 284m SE  | Electricity Substation | 1982          | 91071    |
| S  | 284m SE  | Electricity Substation | 1992          | 73437    |
| 8  | 299m NW  | Electricity Substation | 1980 - 1994   | 72735    |
| A  | 320m NW  | Electricity Substation | 1970 - 1972   | 79899    |
| A  | 320m NW  | Electricity Substation | 1956 - 1957   | 91057    |
| J  | 329m NW  | Gas Works              | 1892 - 1907   | 88564    |



| ID | Location | Land use               | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| J  | 332m NW  | Electricity Substation | 1994          | 86854    |
| J  | 332m NW  | Electricity Substation | 1994          | 80238    |
| J  | 333m NW  | Electricity Substation | 1972          | 75459    |
| J  | 334m NW  | Electricity Substation | 1970          | 72451    |
| J  | 334m NW  | Electricity Substation | 1957          | 82652    |
| J  | 334m NW  | Electricity Substation | 1956          | 83416    |
| W  | 346m SW  | Electricity Substation | 1993 - 1996   | 86127    |
| J  | 353m NW  | Gas Works              | 1892 - 1907   | 69682    |
| A  | 358m NW  | Electricity Substation | 1980 - 1994   | 92403    |
| J  | 360m NW  | Gasometer              | 1892 - 1907   | 69263    |
| W  | 362m SW  | Electricity Substation | 1989          | 78810    |
| P  | 368m W   | Electricity Substation | 1956          | 83008    |
| Z  | 370m E   | Electricity Substation | 1977 - 1987   | 69332    |
| P  | 375m W   | Electricity Substation | 1957          | 77206    |
| Z  | 388m E   | Electricity Substation | 1994          | 65314    |
| Y  | 395m SE  | Electricity Substation | 1987          | 89685    |
| Y  | 395m SE  | Electricity Substation | 1994          | 75942    |
| Y  | 395m SE  | Electricity Substation | 1992          | 80876    |
| J  | 395m NW  | Gasometer              | 1907          | 68531    |
| J  | 396m NW  | Gasometer              | 1892 - 1907   | 73594    |
| Y  | 402m SE  | Electricity Substation | 1993 - 1997   | 78868    |
| AG | 449m SE  | Gas Governor           | 1992 - 1997   | 76842    |
| AH | 461m NW  | Electricity Substation | 1980 - 1994   | 77132    |
| AH | 461m NW  | Electricity Substation | 1956 - 1957   | 75117    |
| AG | 468m SE  | Electricity Substation | 1992 - 1997   | 70942    |
| AE | 490m NW  | Electricity Substation | 1980 - 1994   | 72252    |

*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

**4**

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

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

| ID | Location | Land use | Dates present | Group ID |
|----|----------|----------|---------------|----------|
| AC | 410m SE  | Garage   | 1982          | 28313    |
| AC | 421m SE  | Garage   | 1993 - 1997   | 28816    |
| AC | 422m SE  | Garage   | 1982          | 24894    |
| AC | 422m SE  | Garage   | 1992          | 29838    |

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

## 1.6 Historical military land

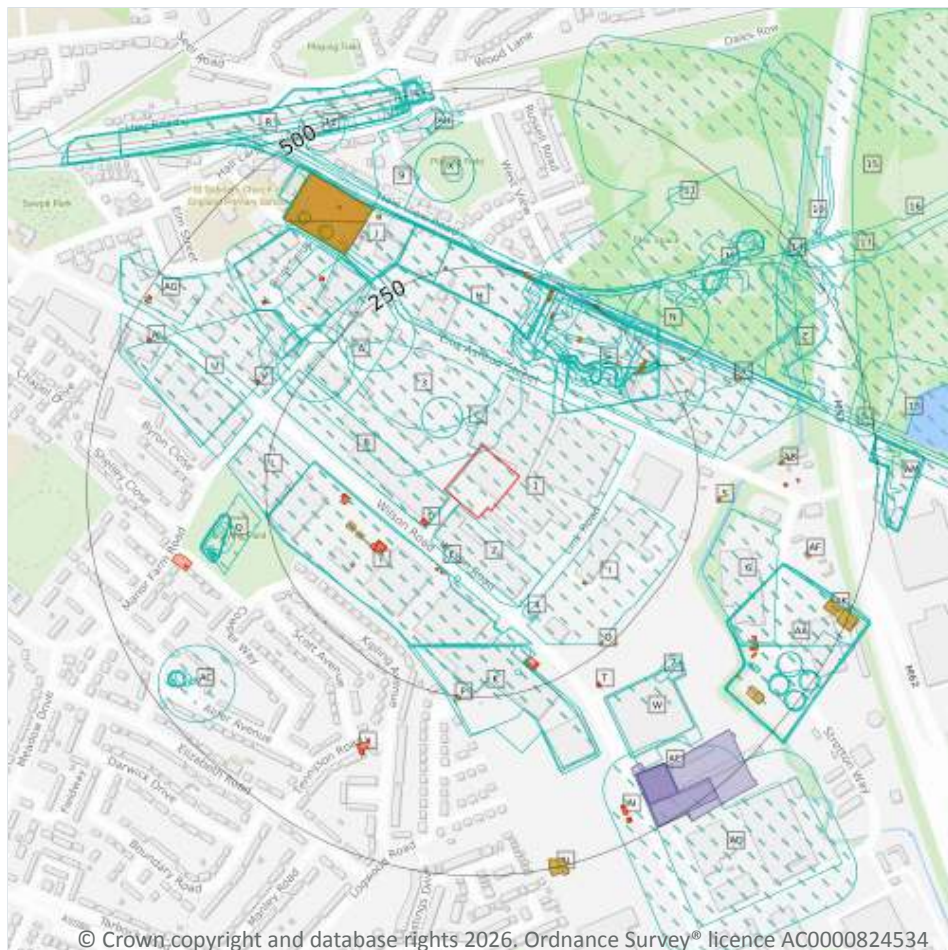
### Records within 500m

**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

203

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  | Unspecified Works   | 1978 | 886163   |
| A  | On site  | Unspecified Works   | 1966 | 998104   |
| 2  | 4m SW    | Unspecified Factory | 1966 | 857217   |



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| B  | 4m SW    | Unspecified Commercial/Industrial | 1978 | 822504   |
| B  | 4m SW    | Unspecified Works                 | 1966 | 1003677  |
| C  | 30m N    | Unspecified Pit                   | 1966 | 891524   |
| C  | 39m NW   | Unspecified Quarry                | 1978 | 1004067  |
| C  | 39m NW   | Unspecified Quarry                | 1990 | 1006526  |
| 3  | 42m NW   | Unspecified Pit                   | 1966 | 870652   |
| E  | 70m SW   | Coal Pits                         | 1850 | 817162   |
| E  | 85m S    | Coal Pits                         | 1850 | 817166   |
| F  | 86m SW   | Unspecified Factory               | 1966 | 967142   |
| F  | 86m SW   | Unspecified Factory               | 1978 | 1003086  |
| F  | 86m SW   | Unspecified Factory               | 1990 | 944536   |
| G  | 97m NE   | Timber Yard and Saw Mill          | 1956 | 818860   |
| G  | 98m NE   | Iron Works                        | 1906 | 863467   |
| G  | 110m NE  | Unspecified Mill                  | 1966 | 826284   |
| H  | 116m NE  | Unspecified Factory               | 1978 | 934037   |
| H  | 116m NE  | Unspecified Works                 | 1990 | 932314   |
| H  | 116m NE  | Unspecified Works                 | 1966 | 919726   |
| I  | 130m SE  | Unspecified Warehouse             | 1978 | 848403   |
| G  | 130m NE  | Iron Works                        | 1891 | 905526   |
| G  | 132m NE  | Unspecified Ground Workings       | 1906 | 960749   |
| G  | 134m NE  | Unspecified Depot                 | 1978 | 905427   |
| 4  | 138m SE  | Unspecified Heap                  | 1966 | 844410   |
| G  | 138m NE  | Unspecified Depot                 | 1990 | 912823   |
| G  | 141m NE  | Pits                              | 1850 | 838178   |
| G  | 147m NE  | Unspecified Ground Workings       | 1891 | 973679   |
| G  | 148m NE  | Unspecified Ground Workings       | 1906 | 905895   |
| H  | 160m NE  | Electric Lamp Works               | 1925 | 908707   |
| G  | 160m NE  | Unspecified Ground Workings       | 1925 | 934890   |



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| G  | 161m NE  | Unspecified Ground Workings       | 1938 | 934890   |
| G  | 161m NE  | Unspecified Ground Workings       | 1938 | 934890   |
| H  | 161m N   | Electric Lamp Works               | 1938 | 927773   |
| J  | 161m NE  | Electric Lamp Works               | 1956 | 974521   |
| A  | 162m NW  | Unspecified Tank                  | 1966 | 953030   |
| G  | 162m NE  | Unspecified Ground Workings       | 1925 | 934890   |
| H  | 163m NE  | Electric Lamp Works               | 1925 | 986442   |
| H  | 163m NE  | Electric Lamp Works               | 1906 | 986442   |
| G  | 163m NE  | Unspecified Ground Workings       | 1956 | 985996   |
| G  | 164m NE  | Railway Sidings                   | 1906 | 999258   |
| K  | 179m S   | Unspecified Commercial/Industrial | 1977 | 864359   |
| K  | 179m S   | Unspecified Commercial/Industrial | 1989 | 864773   |
| K  | 179m S   | Unspecified Commercial/Industrial | 1967 | 969680   |
| J  | 180m NE  | Railway Sidings                   | 1891 | 1009984  |
| A  | 183m NW  | Unspecified Warehouse             | 1990 | 848371   |
| G  | 188m NE  | Unspecified Quarry                | 1906 | 978907   |
| L  | 191m W   | Unspecified Warehouse             | 1978 | 882212   |
| L  | 191m W   | Unspecified Warehouse             | 1990 | 997081   |
| A  | 199m NW  | Unspecified Tank                  | 1966 | 953030   |
| K  | 218m S   | Coal Pit                          | 1850 | 832449   |
| M  | 230m NE  | Unspecified Disused Workings      | 1966 | 855655   |
| J  | 236m N   | Pottery                           | 1906 | 812086   |
| N  | 238m NE  | Unspecified Quarry                | 1947 | 991758   |
| N  | 238m NE  | Unspecified Quarry                | 1925 | 980478   |
| G  | 240m NE  | Railway Sidings                   | 1956 | 945684   |
| G  | 242m NE  | Mineral Railway Sidings           | 1938 | 858568   |
| G  | 244m NE  | Railway Sidings                   | 1850 | 862742   |
| A  | 250m NW  | Brick Fields                      | 1978 | 833913   |



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| Q  | 260m W   | Colliery                          | 1891 | 844674   |
| R  | 266m N   | Railway Sidings                   | 1956 | 960529   |
| A  | 275m NW  | Chair Making Works                | 1938 | 999109   |
| J  | 275m NW  | Unspecified Commercial/Industrial | 1978 | 882267   |
| J  | 275m NW  | Unspecified Factory               | 1966 | 934037   |
| 5  | 276m NE  | Railway Sidings                   | 1906 | 1006963  |
| A  | 276m NW  | Chair Making Works                | 1956 | 949548   |
| J  | 276m NW  | Unspecified Works                 | 1938 | 925994   |
| A  | 277m NW  | Unspecified Ground Workings       | 1906 | 815739   |
| A  | 279m NW  | Unspecified Pit                   | 1966 | 831125   |
| 6  | 286m SE  | Unspecified Depot                 | 1990 | 821479   |
| U  | 287m NW  | Brick Works                       | 1956 | 953507   |
| U  | 287m W   | Unspecified Commercial/Industrial | 1978 | 821990   |
| A  | 289m NW  | Brick Works                       | 1938 | 974791   |
| A  | 289m NW  | Brick Works                       | 1938 | 974791   |
| Q  | 300m W   | Unspecified Ground Workings       | 1891 | 816299   |
| Q  | 303m W   | Unspecified Heap                  | 1925 | 998631   |
| Q  | 303m W   | Unspecified Heap                  | 1906 | 998631   |
| Q  | 303m W   | Unspecified Heap                  | 1938 | 984095   |
| Q  | 303m W   | Unspecified Heap                  | 1938 | 984095   |
| Q  | 303m W   | Unspecified Heap                  | 1925 | 939304   |
| Q  | 304m W   | Unspecified Heap                  | 1956 | 940127   |
| W  | 305m SE  | Unspecified Warehouse             | 1977 | 992890   |
| W  | 308m SE  | Unspecified Warehouse             | 1989 | 978938   |
| U  | 310m NW  | Unspecified Depot                 | 1966 | 821427   |
| Q  | 313m W   | Unspecified Old Shafts            | 1956 | 846310   |
| M  | 319m NE  | Colliery                          | 1850 | 938691   |
| 7  | 323m SE  | Corn Mill                         | 1850 | 811938   |



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| M  | 324m NE  | Unspecified Ground Workings       | 1966 | 816305   |
| M  | 324m NE  | Refuse Heap                       | 1850 | 810120   |
| Q  | 324m W   | Unspecified Old Shafts            | 1956 | 846309   |
| J  | 328m NW  | Gas Works                         | 1891 | 852829   |
| J  | 329m NW  | Chair Making Works                | 1925 | 899991   |
| J  | 329m NW  | Chair Making Works                | 1925 | 886477   |
| J  | 329m NW  | Unspecified Commercial/Industrial | 1906 | 929954   |
| Q  | 329m W   | Unspecified Old Shafts            | 1956 | 846308   |
| Q  | 332m W   | Unspecified Old Shaft             | 1925 | 918337   |
| Q  | 332m W   | Unspecified Old Shaft             | 1906 | 918337   |
| Q  | 333m W   | Unspecified Old Shaft             | 1938 | 860755   |
| Q  | 333m W   | Unspecified Old Shaft             | 1938 | 860755   |
| Q  | 334m W   | Unspecified Old Shaft             | 1925 | 860755   |
| X  | 344m N   | Unspecified Quarry                | 1925 | 908111   |
| X  | 344m N   | Unspecified Quarry                | 1906 | 908111   |
| 9  | 348m N   | Unspecified Quarry                | 1891 | 978845   |
| Z  | 348m NE  | Refuse Heap                       | 1947 | 810237   |
| AA | 353m SE  | Sewage Works                      | 1938 | 914969   |
| AA | 353m SE  | Sewage Works                      | 1938 | 914969   |
| AA | 355m SE  | Sewage Works                      | 1947 | 914969   |
| AA | 355m SE  | Sewage Works                      | 1925 | 914969   |
| AA | 357m SE  | Sewage Works                      | 1956 | 868138   |
| J  | 360m NW  | Unspecified Tank                  | 1925 | 876356   |
| J  | 360m NW  | Unspecified Tank                  | 1906 | 876356   |
| J  | 361m NW  | Unspecified Tank                  | 1938 | 910629   |
| J  | 361m NW  | Unspecified Tank                  | 1925 | 925666   |
| J  | 362m NW  | Gasometer                         | 1891 | 812290   |
| R  | 364m NW  | Railway Sidings                   | 1966 | 924720   |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| M  | 365m NE  | Unspecified Heap            | 1906 | 957683   |
| M  | 366m NE  | Unspecified Heap            | 1925 | 894643   |
| J  | 367m NW  | Mineral Railway Sidings     | 1925 | 858669   |
| M  | 368m NE  | Unspecified Heap            | 1938 | 1001235  |
| M  | 368m NE  | Unspecified Heap            | 1938 | 1001235  |
| M  | 370m NE  | Refuse Heap                 | 1850 | 809884   |
| X  | 371m N   | Unspecified Quarry          | 1938 | 929875   |
| Z  | 372m E   | Refuse Dump                 | 1956 | 822841   |
| AC | 386m SW  | Unspecified Old Shaft       | 1955 | 878230   |
| AA | 389m SE  | Sewage Works                | 1955 | 1000975  |
| AD | 390m SE  | Unspecified Works           | 1977 | 976683   |
| J  | 395m NW  | Unspecified Tank            | 1938 | 1006886  |
| J  | 395m NW  | Unspecified Tank            | 1925 | 940617   |
| J  | 396m NW  | Gasometer                   | 1891 | 812291   |
| J  | 396m NW  | Unspecified Tank            | 1925 | 940617   |
| J  | 396m NW  | Unspecified Tank            | 1906 | 940617   |
| 10 | 402m E   | Cuttings                    | 1990 | 808299   |
| AA | 415m SE  | Unspecified Tanks           | 1938 | 956084   |
| AA | 417m SE  | Unspecified Tanks           | 1955 | 917346   |
| Z  | 425m NE  | Unspecified Ground Workings | 1966 | 816567   |
| 11 | 431m NE  | Unspecified Heap            | 1966 | 844218   |
| AD | 431m SE  | Unspecified Works           | 1989 | 915619   |
| M  | 431m NE  | Unspecified Heap            | 1906 | 967581   |
| M  | 433m NE  | Unspecified Heap            | 1891 | 967581   |
| AG | 433m NW  | Unspecified Works           | 1966 | 834953   |
| M  | 436m NE  | Unspecified Heap            | 1938 | 974220   |
| M  | 436m NE  | Unspecified Heap            | 1938 | 974220   |
| AC | 440m SW  | Unspecified Heap            | 1955 | 970792   |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| AC | 440m SW  | Unspecified Old Shaft       | 1938 | 970050   |
| AC | 440m SW  | Unspecified Old Shaft       | 1938 | 863107   |
| AH | 441m N   | Unspecified Quarry          | 1966 | 937292   |
| AA | 443m SE  | Unspecified Tank            | 1947 | 947391   |
| AA | 444m SE  | Unspecified Tank            | 1955 | 947391   |
| AC | 446m SW  | Unspecified Heap            | 1925 | 882146   |
| AH | 446m N   | Unspecified Quarry          | 1956 | 903026   |
| AC | 447m SW  | Unspecified Heap            | 1925 | 984525   |
| AC | 447m SW  | Unspecified Heap            | 1906 | 984525   |
| AC | 448m SW  | Unspecified Heap            | 1938 | 970792   |
| AC | 448m SW  | Unspecified Heap            | 1938 | 970792   |
| AA | 450m SE  | Unspecified Tanks           | 1938 | 819991   |
| M  | 451m NE  | Unspecified Old Shaft       | 1891 | 823719   |
| AA | 451m SE  | Unspecified Tank            | 1947 | 904708   |
| AA | 451m SE  | Unspecified Tank            | 1925 | 881977   |
| AA | 454m SE  | Unspecified Tank            | 1955 | 881107   |
| M  | 460m NE  | Coal Pit                    | 1850 | 832455   |
| AH | 462m N   | Unspecified Ground Workings | 1956 | 816303   |
| AC | 463m SW  | Unspecified Old Shaft       | 1925 | 896671   |
| AC | 463m SW  | Unspecified Old Shaft       | 1925 | 997295   |
| AC | 463m SW  | Unspecified Old Shaft       | 1906 | 902752   |
| 12 | 465m NW  | Coal Wharf                  | 1906 | 806626   |
| 13 | 468m E   | Disused Colliery            | 1956 | 896166   |
| R  | 474m N   | Railway Sidings             | 1925 | 978666   |
| R  | 474m N   | Railway Sidings             | 1906 | 883167   |
| R  | 476m N   | Railway Sidings             | 1978 | 924720   |
| R  | 476m N   | Railway Sidings             | 1990 | 890295   |
| AH | 477m N   | Railway Building            | 1978 | 966829   |



| ID | Location | Land Use          | Date | Group ID |
|----|----------|-------------------|------|----------|
| AH | 477m N   | Railway Building  | 1966 | 966829   |
| AH | 478m N   | Railway Building  | 1891 | 890605   |
| AH | 480m N   | Railway Building  | 1990 | 882200   |
| 14 | 480m NE  | Railway Sidings   | 1891 | 956061   |
| AA | 482m SE  | Unspecified Tank  | 1947 | 950711   |
| AA | 482m SE  | Unspecified Tank  | 1925 | 948675   |
| AA | 482m SE  | Unspecified Tank  | 1947 | 903113   |
| AA | 482m SE  | Unspecified Tank  | 1925 | 939653   |
| AH | 483m N   | Railway Building  | 1956 | 990444   |
| AA | 484m SE  | Unspecified Tank  | 1955 | 950711   |
| AA | 485m SE  | Unspecified Tank  | 1955 | 943174   |
| 15 | 486m NE  | Unspecified Works | 1966 | 903762   |
| AH | 486m N   | Railway Station   | 1891 | 939943   |
| 16 | 486m E   | Refuse Heap       | 1990 | 928900   |
| R  | 487m N   | Railway Sidings   | 1925 | 913966   |
| AH | 487m N   | Railway Station   | 1925 | 929812   |
| AH | 488m N   | Railway Station   | 1966 | 909232   |
| AH | 488m N   | Railway Building  | 1891 | 855275   |
| AH | 489m N   | Railway Station   | 1925 | 892927   |
| AH | 489m N   | Railway Station   | 1906 | 892927   |
| AH | 490m N   | Railway Station   | 1938 | 944514   |
| AM | 490m E   | Old Colliery      | 1947 | 899131   |
| AM | 490m E   | Old Colliery      | 1925 | 1004997  |
| AM | 490m E   | Old Colliery      | 1906 | 1004997  |
| AM | 490m E   | Old Colliery      | 1891 | 1004997  |
| AH | 491m N   | Railway Station   | 1956 | 944514   |
| R  | 491m N   | Railway Sidings   | 1938 | 978666   |
| AM | 491m E   | Old Colliery      | 1938 | 921272   |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| AM | 491m E   | Old Colliery                | 1938 | 921272   |
| AM | 494m E   | Old Colliery                | 1956 | 970803   |
| AM | 496m E   | Unspecified Ground Workings | 1891 | 991489   |
| 17 | 498m NE  | Railway Sidings             | 1891 | 936724   |

This data is sourced from Ordnance Survey® / Groundsure.

## 2.2 Historical tanks

|                            |            |
|----------------------------|------------|
| <b>Records within 500m</b> | <b>128</b> |
|----------------------------|------------|

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 |
|----|----------|------------------|------|----------|
| F  | 129m SW  | Unspecified Tank | 1980 | 125927   |
| F  | 133m SW  | Unspecified Tank | 1980 | 125928   |
| F  | 133m SW  | Unspecified Tank | 1980 | 125925   |
| F  | 138m SW  | Unspecified Tank | 1980 | 125926   |
| I  | 162m SE  | Unspecified Tank | 1984 | 133872   |
| I  | 162m SE  | Unspecified Tank | 1987 | 133872   |
| I  | 163m SE  | Unspecified Tank | 1970 | 133872   |
| I  | 163m SE  | Unspecified Tank | 1977 | 133872   |
| I  | 163m SE  | Unspecified Tank | 1968 | 133872   |
| F  | 164m SW  | Cooling Tank     | 1957 | 140534   |
| F  | 164m SW  | Cooling Tank     | 1956 | 140534   |
| G  | 197m NE  | Tanks            | 1984 | 140068   |
| G  | 197m NE  | Tanks            | 1987 | 140068   |
| G  | 198m NE  | Tanks            | 1994 | 140068   |
| G  | 207m NE  | Unspecified Tank | 1892 | 125734   |
| G  | 216m NE  | Tanks            | 1984 | 136644   |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| G  | 216m NE  | Tanks            | 1987 | 136644   |
| G  | 217m NE  | Tanks            | 1977 | 136644   |
| G  | 217m NE  | Tanks            | 1968 | 147491   |
| G  | 218m NE  | Tanks            | 1994 | 136644   |
| G  | 221m NE  | Tanks            | 1984 | 136614   |
| G  | 221m NE  | Tanks            | 1987 | 136614   |
| G  | 221m NE  | Tanks            | 1956 | 151674   |
| G  | 221m NE  | Tanks            | 1977 | 136614   |
| G  | 221m NE  | Tanks            | 1968 | 151674   |
| G  | 222m NE  | Unspecified Tank | 1960 | 129378   |
| G  | 222m NE  | Unspecified Tank | 1970 | 127335   |
| G  | 222m NE  | Unspecified Tank | 1957 | 129378   |
| G  | 223m NE  | Tanks            | 1984 | 141906   |
| G  | 223m NE  | Tanks            | 1987 | 141906   |
| G  | 224m NE  | Tanks            | 1977 | 141906   |
| G  | 224m NE  | Tanks            | 1968 | 141906   |
| G  | 225m NE  | Tanks            | 1970 | 141906   |
| G  | 225m NE  | Tanks            | 1994 | 141906   |
| G  | 226m NE  | Tanks            | 1984 | 133289   |
| G  | 226m NE  | Tanks            | 1987 | 133289   |
| G  | 226m NE  | Tanks            | 1956 | 141585   |
| G  | 226m NE  | Tanks            | 1977 | 133289   |
| G  | 226m NE  | Tanks            | 1968 | 141585   |
| G  | 227m NE  | Unspecified Tank | 1960 | 145689   |
| G  | 227m NE  | Unspecified Tank | 1970 | 138486   |
| G  | 227m NE  | Unspecified Tank | 1957 | 145689   |
| G  | 232m NE  | Tanks            | 1984 | 133695   |
| G  | 232m NE  | Tanks            | 1987 | 133695   |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| G  | 233m NE  | Tanks            | 1956 | 144369   |
| G  | 233m NE  | Tanks            | 1977 | 151143   |
| G  | 233m NE  | Tanks            | 1968 | 144369   |
| G  | 233m NE  | Unspecified Tank | 1960 | 152001   |
| G  | 233m NE  | Unspecified Tank | 1970 | 132048   |
| G  | 233m NE  | Unspecified Tank | 1957 | 152001   |
| G  | 238m NE  | Unspecified Tank | 1960 | 147204   |
| G  | 238m NE  | Unspecified Tank | 1970 | 140968   |
| G  | 238m NE  | Unspecified Tank | 1957 | 147204   |
| O  | 240m SE  | Unspecified Tank | 1984 | 138140   |
| O  | 240m SE  | Unspecified Tank | 1987 | 140310   |
| O  | 241m SE  | Unspecified Tank | 1970 | 147112   |
| O  | 241m SE  | Unspecified Tank | 1977 | 149121   |
| O  | 241m SE  | Unspecified Tank | 1968 | 154507   |
| O  | 241m SE  | Unspecified Tank | 1994 | 127054   |
| G  | 242m N   | Tanks            | 1988 | 138341   |
| G  | 242m N   | Tanks            | 1993 | 138341   |
| G  | 242m N   | Tanks            | 1970 | 138341   |
| G  | 242m N   | Tanks            | 1957 | 150487   |
| G  | 243m N   | Tanks            | 1977 | 138341   |
| G  | 243m N   | Tanks            | 1956 | 150487   |
| P  | 248m S   | Unspecified Tank | 1989 | 143447   |
| P  | 248m S   | Unspecified Tank | 1993 | 143447   |
| G  | 249m NE  | Tanks            | 1984 | 153171   |
| G  | 249m NE  | Tanks            | 1987 | 153171   |
| G  | 249m NE  | Tanks            | 1994 | 153171   |
| H  | 251m N   | Unspecified Tank | 1956 | 148560   |
| H  | 251m N   | Unspecified Tank | 1972 | 151359   |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| H  | 251m N   | Unspecified Tank | 1957 | 139576   |
| O  | 253m SE  | Unspecified Tank | 1987 | 114681   |
| A  | 254m NW  | Unspecified Tank | 1970 | 125737   |
| G  | 260m NE  | Unspecified Tank | 1968 | 145968   |
| G  | 260m NE  | Unspecified Tank | 1970 | 145968   |
| G  | 277m NE  | Unspecified Tank | 1977 | 125729   |
| S  | 279m E   | Unspecified Tank | 1984 | 143236   |
| S  | 279m E   | Unspecified Tank | 1987 | 143236   |
| S  | 279m E   | Tanks            | 1994 | 112293   |
| G  | 280m NE  | Unspecified Tank | 1984 | 140089   |
| G  | 280m NE  | Unspecified Tank | 1987 | 140089   |
| G  | 281m NE  | Tanks            | 1994 | 112246   |
| A  | 304m NW  | Unspecified Tank | 1957 | 125738   |
| J  | 329m NW  | Gas Works        | 1892 | 147813   |
| J  | 329m NW  | Gas Works        | 1907 | 147813   |
| 8  | 331m NE  | Unspecified Tank | 1994 | 125739   |
| J  | 335m NW  | Unspecified Tank | 1927 | 125736   |
| J  | 348m NW  | Unspecified Tank | 1892 | 147578   |
| J  | 348m NW  | Unspecified Tank | 1907 | 147578   |
| J  | 348m NW  | Unspecified Tank | 1927 | 147578   |
| J  | 353m NW  | Gas Works        | 1892 | 131580   |
| J  | 353m NW  | Gas Works        | 1907 | 131580   |
| J  | 360m NW  | Gasometer        | 1892 | 151883   |
| J  | 360m NW  | Gasometer        | 1907 | 151883   |
| J  | 360m NW  | Unspecified Tank | 1927 | 125735   |
| AB | 362m E   | Unspecified Tank | 1984 | 153329   |
| AB | 362m E   | Unspecified Tank | 1987 | 153329   |
| AB | 364m E   | Unspecified Tank | 1994 | 153329   |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| AB | 364m E   | Unspecified Tank | 1977 | 153329   |
| AB | 375m E   | Unspecified Tank | 1984 | 139745   |
| AB | 375m E   | Unspecified Tank | 1987 | 139745   |
| AB | 376m E   | Unspecified Tank | 1977 | 139745   |
| AB | 377m E   | Unspecified Tank | 1994 | 139745   |
| J  | 386m NW  | Unspecified Tank | 1892 | 139874   |
| J  | 386m NW  | Unspecified Tank | 1907 | 139874   |
| J  | 386m NW  | Unspecified Tank | 1927 | 139874   |
| J  | 395m NW  | Gasometer        | 1907 | 114556   |
| J  | 396m NW  | Gasometer        | 1892 | 145504   |
| J  | 396m NW  | Gasometer        | 1907 | 145504   |
| J  | 396m NW  | Unspecified Tank | 1927 | 114735   |
| AA | 410m SE  | Settling Tank    | 1927 | 138061   |
| AA | 410m SE  | Settling Tank    | 1937 | 138061   |
| AA | 411m SE  | Unspecified Tank | 1927 | 130141   |
| AA | 411m SE  | Unspecified Tank | 1937 | 130141   |
| AF | 413m E   | Tanks            | 1994 | 112295   |
| AF | 417m E   | Tanks            | 1994 | 112294   |
| AE | 430m SE  | Unspecified Tank | 1996 | 129947   |
| AE | 430m SE  | Unspecified Tank | 1993 | 129947   |
| AE | 432m SE  | Unspecified Tank | 1992 | 125929   |
| AA | 437m SE  | Tanks            | 1937 | 112292   |
| AA | 449m SE  | Settling Tanks   | 1927 | 126178   |
| AK | 463m SE  | Settling Tanks   | 1937 | 147138   |
| AK | 464m SE  | Settling Tanks   | 1927 | 152374   |
| AL | 487m S   | Tanks            | 1996 | 134319   |
| AL | 487m S   | Tanks            | 1997 | 134319   |
| AK | 487m SE  | Settling Tanks   | 1937 | 149570   |

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



## 2.3 Historical energy features

### Records within 500m

95

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 |
|----|----------|------------------------|------|----------|
| D  | 49m SW   | Electricity Substation | 1980 | 69504    |
| D  | 49m SW   | Electricity Substation | 1980 | 69504    |
| D  | 50m SW   | Electricity Substation | 1957 | 85060    |
| D  | 50m SW   | Electricity Substation | 1956 | 85060    |
| D  | 51m SW   | Electricity Substation | 1994 | 69504    |
| D  | 51m SW   | Electricity Substation | 1994 | 69504    |
| E  | 88m SW   | Electricity Substation | 1994 | 91104    |
| E  | 88m SW   | Electricity Substation | 1994 | 91104    |
| E  | 89m SW   | Gas Governor           | 1994 | 87056    |
| E  | 89m SW   | Gas Governor           | 1994 | 87056    |
| F  | 114m SW  | Electricity Substation | 1980 | 82288    |
| F  | 114m SW  | Electricity Substation | 1980 | 82288    |
| F  | 114m SW  | Electricity Substation | 1957 | 83232    |
| F  | 114m SW  | Electricity Substation | 1956 | 91804    |
| F  | 132m W   | Electricity Substation | 1980 | 91397    |
| F  | 132m W   | Electricity Substation | 1980 | 91397    |
| F  | 134m W   | Electricity Substation | 1994 | 91397    |
| F  | 134m W   | Electricity Substation | 1994 | 91397    |
| G  | 202m NE  | Electricity Substation | 1984 | 69253    |
| G  | 202m NE  | Electricity Substation | 1987 | 69253    |
| G  | 202m NE  | Electricity Substation | 1977 | 84775    |
| G  | 202m NE  | Electricity Substation | 1968 | 84775    |
| G  | 202m NE  | Electricity Substation | 1970 | 84775    |



| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| G  | 203m NE  | Electricity Substation | 1994 | 75076    |
| K  | 206m S   | Electricity Substation | 1992 | 85314    |
| K  | 210m S   | Electricity Substation | 1982 | 85314    |
| K  | 217m S   | Electricity Substation | 1996 | 71895    |
| K  | 217m S   | Electricity Substation | 1997 | 71895    |
| K  | 217m S   | Electricity Substation | 1993 | 71895    |
| G  | 251m NE  | Electricity Substation | 1957 | 81258    |
| G  | 251m NE  | Electricity Substation | 1956 | 81258    |
| T  | 283m SE  | Electricity Substation | 1996 | 86899    |
| T  | 283m SE  | Electricity Substation | 1997 | 86899    |
| T  | 283m SE  | Electricity Substation | 1993 | 86899    |
| T  | 284m SE  | Electricity Substation | 1982 | 91071    |
| T  | 284m SE  | Electricity Substation | 1992 | 73437    |
| V  | 299m NW  | Electricity Substation | 1980 | 72735    |
| V  | 299m NW  | Electricity Substation | 1980 | 72735    |
| V  | 300m NW  | Electricity Substation | 1994 | 72735    |
| V  | 300m NW  | Electricity Substation | 1994 | 72735    |
| A  | 320m NW  | Electricity Substation | 1970 | 79899    |
| A  | 320m NW  | Electricity Substation | 1957 | 91057    |
| A  | 320m NW  | Electricity Substation | 1956 | 91057    |
| A  | 320m NW  | Electricity Substation | 1972 | 79899    |
| J  | 329m NW  | Gas Works              | 1892 | 88564    |
| J  | 329m NW  | Gas Works              | 1907 | 88564    |
| J  | 332m NW  | Electricity Substation | 1994 | 86854    |
| J  | 332m NW  | Electricity Substation | 1994 | 80238    |
| J  | 333m NW  | Electricity Substation | 1972 | 75459    |
| J  | 334m NW  | Electricity Substation | 1970 | 72451    |
| J  | 334m NW  | Electricity Substation | 1957 | 82652    |



| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| J  | 334m NW  | Electricity Substation | 1956 | 83416    |
| Y  | 346m SW  | Electricity Substation | 1996 | 86127    |
| Y  | 346m SW  | Electricity Substation | 1993 | 86127    |
| J  | 353m NW  | Gas Works              | 1892 | 69682    |
| J  | 353m NW  | Gas Works              | 1907 | 69682    |
| A  | 358m NW  | Electricity Substation | 1980 | 92403    |
| A  | 358m NW  | Electricity Substation | 1980 | 92403    |
| A  | 360m NW  | Electricity Substation | 1994 | 92403    |
| A  | 360m NW  | Electricity Substation | 1994 | 92403    |
| J  | 360m NW  | Gasometer              | 1892 | 69263    |
| J  | 360m NW  | Gasometer              | 1907 | 69263    |
| Y  | 362m SW  | Electricity Substation | 1989 | 78810    |
| Q  | 368m W   | Electricity Substation | 1956 | 83008    |
| AB | 370m E   | Electricity Substation | 1984 | 69332    |
| AB | 370m E   | Electricity Substation | 1987 | 69332    |
| AB | 371m E   | Electricity Substation | 1977 | 69332    |
| Q  | 375m W   | Electricity Substation | 1957 | 77206    |
| AB | 388m E   | Electricity Substation | 1994 | 65314    |
| AA | 395m SE  | Electricity Substation | 1987 | 89685    |
| AA | 395m SE  | Electricity Substation | 1994 | 75942    |
| J  | 395m NW  | Gasometer              | 1907 | 68531    |
| J  | 396m NW  | Gasometer              | 1892 | 73594    |
| J  | 396m NW  | Gasometer              | 1907 | 73594    |
| AA | 402m SE  | Electricity Substation | 1996 | 78868    |
| AA | 402m SE  | Electricity Substation | 1997 | 78868    |
| AA | 402m SE  | Electricity Substation | 1993 | 78868    |
| AA | 404m SE  | Electricity Substation | 1992 | 80876    |
| AI | 449m SE  | Gas Governor           | 1996 | 76842    |



| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| AI | 449m SE  | Gas Governor           | 1997 | 76842    |
| AI | 449m SE  | Gas Governor           | 1993 | 76842    |
| AI | 451m SE  | Gas Governor           | 1992 | 76842    |
| AJ | 461m NW  | Electricity Substation | 1994 | 77132    |
| AJ | 461m NW  | Electricity Substation | 1994 | 77132    |
| AJ | 461m NW  | Electricity Substation | 1980 | 77132    |
| AJ | 461m NW  | Electricity Substation | 1980 | 77132    |
| AJ | 461m NW  | Electricity Substation | 1956 | 75117    |
| AJ | 461m NW  | Electricity Substation | 1957 | 75117    |
| AI | 468m SE  | Electricity Substation | 1996 | 70942    |
| AI | 468m SE  | Electricity Substation | 1997 | 70942    |
| AI | 470m SE  | Electricity Substation | 1992 | 70942    |
| AI | 471m SE  | Electricity Substation | 1993 | 70942    |
| AG | 490m NW  | Electricity Substation | 1980 | 72252    |
| AG | 490m NW  | Electricity Substation | 1980 | 72252    |
| AG | 490m NW  | Electricity Substation | 1994 | 72252    |

*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**

**6**

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 |
|----|----------|----------|------|----------|
| AE | 410m SE  | Garage   | 1982 | 28313    |
| AE | 421m SE  | Garage   | 1993 | 28816    |
| AE | 421m SE  | Garage   | 1996 | 28816    |
| AE | 421m SE  | Garage   | 1997 | 28816    |
| AE | 422m SE  | Garage   | 1982 | 24894    |
| AE | 422m SE  | Garage   | 1992 | 29838    |

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



## 3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- 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

0

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

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

### 3.2 Historical landfill (BGS records)

Records within 500m

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 46 >](#)

| ID | Location | Address                                         | BGS Number | Risk               | Waste Type |
|----|----------|-------------------------------------------------|------------|--------------------|------------|
| 12 | 464m NE  | West View Tip, Huyton Quarry, Liverpool, M'Side | 197        | No risk to aquifer | N/A        |

This data is sourced from the British Geological Survey.

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

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>2</b> |
|----------------------------|----------|

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

Features are displayed on the Waste and landfill map on [page 46 >](#)

| ID | Location | Site address | Source       | Data type |
|----|----------|--------------|--------------|-----------|
| C  | 1m NW    | Refuse Tip   | 1967 mapping | Polygon   |
| C  | 58m N    | Refuse Tip   | 1969 mapping | Polygon   |

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

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

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>4</b> |
|----------------------------|----------|

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 46 >](#)

| ID | Location | Details                                                                                       |                                                                                                                                                                                                                      |                                                                                                                                                                         |
|----|----------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A  | On site  | <b>Site Address:</b> Brickfields,<br>Knowsley, Merseyside<br><b>Licence Holder Address:</b> - | <b>Waste Licence:</b> -<br><b>Site Reference:</b> GDO M209<br><b>Waste Type:</b> Inert<br><b>Environmental Permitting Regulations (Waste) Reference:</b> -<br><b>Licence Issue:</b> -<br><b>Licence Surrender:</b> - | <b>Operator:</b> Tushingham Metallic<br>Brick Works<br><b>Licence Holder:</b> Tushingham<br>Metallic Brick Works<br><b>First Recorded:</b> -<br><b>Last Recorded:</b> - |
| 6  | 265m N   | Site Address: Huyton Quarry,<br>Knowsley, Merseyside<br>Licence Holder Address: -             | Waste Licence: -<br>Site Reference: GDO M087<br>Waste Type: -<br>Environmental Permitting<br>Regulations (Waste) Reference: -<br>Licence Issue: -<br>Licence Surrender: -                                            | Operator: -<br>Licence Holder: -<br>First Recorded 01/10/1971<br>Last Recorded: -                                                                                       |



| ID | Location | Details                                                                                                                   |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                |
|----|----------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7  | 268m NE  | Site Address: West View Tip, Knowsley, Merseyside<br>Licence Holder Address: -                                            | Waste Licence: -<br>Site Reference: GDO M194<br>Waste Type: -<br>Environmental Permitting Regulations (Waste) Reference: -<br>Licence Issue: -<br>Licence Surrender: -                                                                                 | Operator: Hoyton with Roby Urban District Council<br>Licence Holder: -<br>First Recorded 31/01/1971<br>Last Recorded: 01/01/1978                                                                               |
| 13 | 477m E   | Site Address: Coalgate Lane Landfill Site, Ellis Ashton Street, Huyton, Knowsley, Merseyside<br>Licence Holder Address: - | Waste Licence: -<br>Site Reference: R13/01, GDO 017, GDO M019, GDO 020<br>Waste Type: Inert, Industrial, Commercial, Household, Liquid sludge<br>Environmental Permitting Regulations (Waste) Reference: -<br>Licence Issue: -<br>Licence Surrender: - | Operator: Huyton Urban District Council and Merseyside County Council<br>Licence Holder: Huyton Urban District Council and Merseyside County Council<br>First Recorded 01/01/1972<br>Last Recorded: 01/01/1983 |

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

### 3.5 Historical waste sites

|                            |           |
|----------------------------|-----------|
| <b>Records within 500m</b> | <b>11</b> |
|----------------------------|-----------|

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 46 >](#)

| ID | Location | Address           | Further Details                                                                                                                                   | Date |
|----|----------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------|
| F  | 137m E   | Site Address: N/A | Type of Site: Refuse Destructor<br>Planning application reference: N/A<br>Description: N/A<br>Data source: Historic Mapping<br>Data Type: Polygon | 1984 |
| F  | 137m E   | Site Address: N/A | Type of Site: Refuse Destructor<br>Planning application reference: N/A<br>Description: N/A<br>Data source: Historic Mapping<br>Data Type: Polygon | 1987 |
| F  | 158m E   | Site Address: N/A | Type of Site: Refuse Destructor<br>Planning application reference: N/A<br>Description: N/A<br>Data source: Historic Mapping<br>Data Type: Polygon | 1994 |

| ID | Location | Address                                                                                                                       | Further Details                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date |
|----|----------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| F  | 163m E   | Site Address: Ashton Street, Ashton Street, Huyton, LIVERPOOL, Merseyside                                                     | Type of Site: Waste Transfer Station<br>Planning application reference: 98/00187<br>Description: Waste transfer station with car parking and skip storage area. An application (ref: 98/00187) for Outline Planning permission was submitted to Knowsley B.C. on 9th April 1998.<br>Data source: Historic Planning Application<br>Data Type: Point                                                                                                          | -    |
| F  | 218m E   | Site Address: Ellis Ashton Street, Huyton Waste Transfer Station, Ellis Ashton Street, Huyton, LIVERPOOL, Merseyside, L36 6BN | Type of Site: Waste Transfer Station (Alterations)<br>Planning application reference: 98/00012<br>Description: Alterations to provide improved facilities for mixed and segregated waste, provision of storage areas and alterations to access roads. An application (ref: 98/00012) for Detailed Planning permission was submitted to Knowsley B.C. on 22nd January 1998.<br>Data source: Historic Planning Application<br>Data Type: Point                | -    |
| J  | 321m SE  | Site Address: Stretton Way, Stretton Way, Huyton Ind. Estate, Huyton, LIVERPOOL, Merseyside, L36 6JF                          | Type of Site: Waste Transfer Station (C/U)<br>Planning application reference: APP/97/00600<br>Description: Change of use from storage to waste transfer station for the sorting and processing of non-toxic/non hazardous waste to generate re-usable materials. An application (ref: APP/97/00600) for Detailed Planning permission was submitted to Knowsley B.C. on 24th October 1997.<br>Data source: Historic Planning Application<br>Data Type: Point | -    |



| ID | Location | Address                                                                                                                  | Further Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Date       |
|----|----------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| J  | 335m SE  | Site Address: Orchid Environmental MWDA<br>Trea, Stretton Way, Huyton, Knowsley,<br>LIVERPOOL, Merseyside, L36 6JF       | Type of Site: Waste Recycling Facility<br>Planning application reference: 09/00409/FUL<br>Description: Scheme comprises change of use<br>of and external alterations to building to form<br>extended waste recycling facility resulting in<br>increase of waste processed from 50,000<br>tonnes/year to 120,000 tonnes/year, change of<br>use of factory unit to form associated<br>offices/maintenance workshop, construction<br>of car parking and associated works - amended<br>description. Construction - automatic, roller<br>shutter doors; external refurbishment; black<br>top surfacing, fencing, hardcore, turfing/grass<br>site works. An application (ref: 09/00409/FUL)<br>for detailed planning permission was granted<br>by Knowsley B.C. Project value, start date and<br>contract period are for guideline only. This<br>scheme is now complete.<br>Data source: Historic Planning Application<br>Data Type: Point             | -          |
| 11 | 372m E   | Site Address: N/A                                                                                                        | Type of Site: Refuse Dump<br>Planning application reference: N/A<br>Description: N/A<br>Data source: Historic Mapping<br>Data Type: Polygon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1956       |
| N  | 447m SE  | Site Address: Former Hayden Drysys, Internati,<br>Wilson Road, Thorburn International,<br>LIVERPOOL, Merseyside, L36 6AD | Type of Site: Waste Recycling Centre<br>Planning application reference: 10/00153/FUL<br>Description: Scheme comprises formation of a<br>household waste recycling centre comprising<br>of 1 office building, covered collection area & 1<br>storage building, together with construction of<br>car parking & new vehicular access<br>landscaping, boundary treatments &<br>associated works. Construction - pitched roof;<br>roller shutter, steel doors; portal frame; black<br>top surfacing, concrete paving, fencing, grp<br>liners, lighting columns, planting, Tarmac<br>surfacing site works. An application (ref:<br>10/00153/FUL) for detailed planning<br>permission was granted by Knowsley B.C. The<br>start date and contract period are for guideline<br>only. Barhale Construction Plc has been<br>awarded the main contract and work has<br>commenced on site.<br>Data source: Historic Planning Application<br>Data Type: Point | 28/11/2011 |



| ID | Location | Address                                                                                                            | Further Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Date       |
|----|----------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| O  | 465m SE  | Site Address: Fleet Removals Of Liverpool,<br>Stretton Way, LIVERPOOL, Merseyside, L36 6JF                         | Type of Site: Waste Treatment & Transfer<br>Facilities<br>Planning application reference: 06/00990/FUL<br>Description: Scheme comprises change of use<br>and extension to form waste treatment and<br>transfer facility with associated visitor centre,<br>together with construction of car parking,<br>installation of weighbridge and associated<br>works. Construction - black top surfacing se<br>works. An application (ref: 06/00990/FUL) for<br>detailed planning permission was granted by<br>Knowsley B.C. Planning decision obtained<br>Data source: Historic Planning Application<br>Data Type: Point | -          |
| 14 | 491m SE  | Site Address: Orchid Environmental MWDA<br>Trea, Stretton Way, & W H Smith News,<br>Liverpool, Merseyside, L36 6JF | Type of Site: Waste Transfer Station<br>Planning application reference: 12/00669/COU<br>Description: Scheme comprises change of use<br>of from distribution depot (use class B8) to<br>waste reception building, together with<br>external alterations, construction of double<br>weighbridge and gatehouse, temporary<br>modular building, relocation of car parking and<br>associated works.<br>Data source: Historic Planning Application<br>Data Type: Point                                                                                                                                                  | 04/03/2013 |

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

### 3.6 Licensed waste sites

**Records within 500m**

**24**

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

Features are displayed on the Waste and landfill map on [page 46](#) >



| ID | Location | Details                                                                                                                                                        |                                                                                                                                                                                                                                                                                             |                                                                                                                                                              |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B  | On site  | Site Name: Link Recycling Limited<br>Site Address: Unit 1, 2 & 3, The Lombard Centre, Link Road, Huyton, Merseyside, L36 6AP<br>Correspondence Address: -      | Type of Site: 75kte Materials Recycling Facility<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: LRL101<br>EPR reference: EA/EPR/CB3806XX/A001<br>Operator: Link Recycling Limited<br>Waste Management licence No: 402341<br>Annual Tonnage: 75000    | Issue Date: 22/07/2015<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued                   |
| B  | On site  | Site Name: Restart Recycling Ltd<br>Site Address: Units 1-3 The Lombard Centre, Link Road, Huyton, Liverpool, Merseyside, L36 6AP<br>Correspondence Address: - | Type of Site: 75kte WEEE Treatment Facility<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: RRL004<br>EPR reference: EA/EPR/AB3603LX/A001<br>Operator: Restart Recycling Limited<br>Waste Management licence No: 400736<br>Annual Tonnage: 74999      | Issue Date: 04/11/2013<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Revoked                  |
| B  | On site  | Site Name: Link Recycling Limited<br>Site Address: Unit 1, 2 & 3, The Lombard Centre, Link Road, Huyton, Merseyside, L36 6AP<br>Correspondence Address: -      | Type of Site: 75kte Materials Recycling Facility<br>Size: >= 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: LRL101<br>EPR reference: EA/EPR/CB3806XX/A001<br>Operator: Link Recycling Limited<br>Waste Management licence No: 402341<br>Annual Tonnage: 75000 | Issue Date: 22/07/2015<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued                   |
| B  | On site  | Site Name: Link Recycling<br>Site Address: Unit 1-3, Link Road, The Lombard Centre, Huyton, Merseyside, L36 6AP<br>Correspondence Address: -                   | Type of Site: 75kte HCI Waste TS + treatment<br>Size: >= 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: 633568<br>EPR reference: EA/EPR/CB3806XX<br>Operator: Link Recycling Limited<br>Waste Management licence No: 402341<br>Annual Tonnage: 450000         | Issue Date: 22/07/2015<br>Effective Date: 22/07/2015<br>Modified: 22/07/2015<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued |



| ID | Location | Details                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                |
|----|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B  | On site  | <b>Site Name:</b> Link Recycling<br><b>Site Address:</b> Unit 1-3, Link Road,<br>The Lombard Centre, Huyton,<br>Merseyside, L36 6AP<br><b>Correspondence Address:</b> -                                                                     | <b>Type of Site:</b> 75kte HCI Waste TS +<br>treatment<br><b>Size:</b> Unknown<br><b>Environmental Permitting<br/>           Regulations (Waste) Licence<br/>           Number:</b> 647701<br><b>EPR reference:</b> EA/EPR/CB3806XX<br><b>Operator:</b> Link Recycling Limited<br><b>Waste Management licence No:</b><br>402341<br><b>Annual Tonnage:</b> 0                                  | <b>Issue Date:</b> 22/07/2015<br><b>Effective Date:</b> 22/07/2015<br><b>Modified:</b> 22/07/2015<br><b>Surrendered Date:</b> -<br><b>Expiry Date:</b> -<br><b>Cancelled Date:</b> -<br><b>Status:</b> Expired |
| B  | On site  | <b>Site Name:</b> Restart Recycling Ltd<br><b>Site Address:</b> Units 1-3 The<br>Lombard Centre, Link Road,<br>Huyton, Liverpool, Merseyside,<br>L36 6AP<br><b>Correspondence Address:</b> -                                                | <b>Type of Site:</b> 75kte WEEE<br>Treatment Facility<br><b>Size:</b> >= 25000 tonnes 75000<br>tonnes<br><b>Environmental Permitting<br/>           Regulations (Waste) Licence<br/>           Number:</b> 645972<br><b>EPR reference:</b> EA/EPR/AB3603LX<br><b>Operator:</b> Restart Recycling<br>Limited<br><b>Waste Management licence No:</b><br>400736<br><b>Annual Tonnage:</b> 74999 | <b>Issue Date:</b> 04/11/2013<br><b>Effective Date:</b> 04/11/2013<br><b>Modified:</b> -<br><b>Surrendered Date:</b> -<br><b>Expiry Date:</b> -<br><b>Cancelled Date:</b> -<br><b>Status:</b> Revoked          |
| A  | 91m NW   | <b>Site Name:</b> Mainsway Ltd<br><b>Site Address:</b> Ellis Ashton Street,<br>Huyton, Merseyside, L36 6AH<br><b>Correspondence Address:</b> Keith<br>Lewis, Pearl Environmental Ltd, 13,<br>Middleton Road, Reddish,<br>Stockport, SK5 6SG | <b>Type of Site:</b> Household,<br>Commercial & Industrial Waste T<br>Stn<br><b>Size:</b> 25000 tonnes<br><b>Environmental Permitting<br/>           Regulations (Waste) Licence<br/>           Number:</b> MAI002<br><b>EPR reference:</b> -<br><b>Operator:</b> Mainsway Ltd<br><b>Waste Management licence No:</b><br>50376<br><b>Annual Tonnage:</b> 0                                   | <b>Issue Date:</b> 01/04/2005<br><b>Effective Date:</b> -<br><b>Modified:</b> -<br><b>Surrendered Date:</b> -<br><b>Expiry Date:</b> -<br><b>Cancelled Date:</b> -<br><b>Status:</b> Issued                    |
| E  | 119m N   | <b>Site Name:</b> Mainsway Ltd<br><b>Site Address:</b> Land/premises At,<br>Ellis Ashton Street, Huyton,<br>Merseyside, L36 6AH<br><b>Correspondence Address:</b> -                                                                         | <b>Type of Site:</b> Household,<br>Commercial & Industrial Waste T<br>Stn<br><b>Size:</b> >= 75000 tonnes<br><b>Environmental Permitting<br/>           Regulations (Waste) Licence<br/>           Number:</b> MAI002<br><b>EPR reference:</b><br>EA/EPR/ZP3294CU/A001<br><b>Operator:</b> Mainsway Ltd<br><b>Waste Management licence No:</b><br>50376<br><b>Annual Tonnage:</b> 75000      | <b>Issue Date:</b> 01/04/2005<br><b>Effective Date:</b> -<br><b>Modified:</b> -<br><b>Surrendered Date:</b> -<br><b>Expiry Date:</b> -<br><b>Cancelled Date:</b> -<br><b>Status:</b> Issued                    |



| ID | Location | Details                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                              |
|----|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E  | 119m N   | Site Name: Mainsway Ltd<br>Site Address: Land/premises At,<br>Ellis Ashton Street, Huyton,<br>Merseyside, L36 6AH<br>Correspondence Address: -                                                                                           | Type of Site: Household,<br>Commercial & Industrial Waste T<br>Stn<br>Size: >= 25000 tonnes 75000<br>tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: MAI002<br>EPR reference:<br>EA/EPR/ZP3294CU/A001<br>Operator: Mainsway Ltd<br>Waste Management licence No:<br>50376<br>Annual Tonnage: 75000 | Issue Date: 01/04/2005<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued                   |
| E  | 119m N   | Site Name: Unit 18, Brickfields<br>Site Address: Unit 18, Brickfields,<br>Liverpool, L36 6HY<br>Correspondence Address: -                                                                                                                | Type of Site: Household,<br>Commercial & Industrial Waste T<br>Stn<br>Size: >= 75000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: 646145<br>EPR reference: EA/EPR/ZP3294CU<br>Operator: Mainsway Limited<br>Waste Management licence No:<br>50376<br>Annual Tonnage: 75000                     | Issue Date: 01/04/2005<br>Effective Date: 01/04/2005<br>Modified: 01/04/2005<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued |
| 3  | 160m NW  | Site Name: Huyton Quarry Salvage<br>Site Address: Huyton Industrial<br>Estate, Ellis Ashton Street, Huyton,<br>Liverpool, Merseyside, L36 6BW<br>Correspondence Address: -                                                               | Type of Site: ELV Facility<br>Size: 25000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: 671563<br>EPR reference: EA/EPR/FP3694CW<br>Operator: Peter James Willis<br>Waste Management licence No:<br>50354<br>Annual Tonnage: 2500                                                               | Issue Date: 10/08/2005<br>Effective Date: 10/08/2005<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued          |
| F  | 183m E   | Site Name: Huyton W T S / H W R C<br>Site Address: Ellis Ashton Street,<br>Huyton, Liverpool, Merseyside, L36<br>6BJ<br>Correspondence Address: Port Of<br>Liverpool Buildings, 2nd Floor,<br>Pierhead, Liverpool, Merseyside, L3<br>1BY | Type of Site: Household,<br>Commercial & Industrial Waste T<br>Stn<br>Size: >= 75000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: MWA006<br>EPR reference: -<br>Operator: Mersey Waste Holdings<br>Ltd<br>Waste Management licence No:<br>53645<br>Annual Tonnage: 6250                        | Issue Date: 15/09/1995<br>Effective Date: -<br>Modified: 20/07/2006<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Modified        |



| ID | Location | Details                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F  | 183m E   | Site Name: Huyton Waste Transfer Station & Waste Reception Centre<br>Site Address: Ellis Ashton Street, Huyton, Liverpool, Merseyside, L36 6BJ<br>Correspondence Address: Huyton Waste Transfer Station, Ellis Ashton Street, Huyton, Liverpool, Merseyside, L36 6BJ | Type of Site: Special Waste Transfer Station<br>Size: >= 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MWA006<br>EPR reference: -<br>Operator: Mersey Waste Holdings Ltd<br>Waste Management licence No: 53645<br>Annual Tonnage: 6250                                             | Issue Date: 15/09/1995<br>Effective Date: -<br>Modified: 22/03/2002<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Modified          |
| 8  | 291m E   | Site Name: Huyton Waste Transfer Station<br>Site Address: Huyton W T S, Ellis Ashton Street, Huyton Ind Est, Liverpool, Merseyside, L36 6BN<br>Correspondence Address: -                                                                                             | Type of Site: Household, Commercial & Industrial Waste T Stn<br>Size: >= 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: 672375<br>EPR reference: EA/EPR/EP3695SH<br>Operator: Veolia Es Merseyside & Halton Limited<br>Waste Management licence No: 53645<br>Annual Tonnage: 500000 | Issue Date: 15/09/1995<br>Effective Date: 15/09/1995<br>Modified: 15/09/1995<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued   |
| I  | 311m NW  | Site Name: Robcliffe Ltd Vehicle Dismantling<br>Site Address: Units 1/2, Ellis Ashton Street, Huyton Industrial Estate, Liverpool, Merseyside, L36 6BJ<br>Correspondence Address: -                                                                                  | Type of Site: ELV Facility<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: 662680<br>EPR reference: EA/EPR/XP3294CL<br>Operator: Robcliffe Limited<br>Waste Management licence No: 50292<br>Annual Tonnage: 2500                                                            | Issue Date: 26/08/2004<br>Effective Date: 26/08/2004<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued            |
| J  | 349m SE  | Site Name: Materials Recycling And Recovery Centre<br>Site Address: Land/premises At, Stretton Way, Huyton, Liverpool, Merseyside, L36 6JF<br>Correspondence Address: -                                                                                              | Type of Site: Physical Treatment Facility<br>Size: >= 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: ORC009<br>EPR reference: EA/EPR/DP3794ST/V004<br>Operator: Orchid Environmental Ltd<br>Waste Management licence No: 50487<br>Annual Tonnage: 49999                             | Issue Date: 10/05/2007<br>Effective Date: 14/01/2009<br>Modified: 24/09/2010<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Modified |



| ID | Location | Details                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                            |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| J  | 349m SE  | Site Name: M W D A Treatment Facility<br>Site Address: M W D A Treatment Facility, Stretton Way, Huyton, Nr Liverpool, Merseyside, L36 6JF<br>Correspondence Address: Market Place, Adlington, Nr Chorley, Lancashire, PR7 4EZ | Type of Site: Physical Treatment Facility<br>Size: >= 25000 tonnes 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: FAI011<br>EPR reference: -<br>Operator: Fairport Engineering Ltd<br>Waste Management licence No: 50487<br>Annual Tonnage: 0                                    | Issue Date: 10/05/2007<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued                                 |
| J  | 349m SE  | Site Name: Materials Recycling And Recovery Centre<br>Site Address: Land/premises At, Stretton Way, Huyton, Liverpool, Merseyside, L36 6JF<br>Correspondence Address: -                                                        | Type of Site: Physical Treatment Facility<br>Size: >= 25000 tonnes 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: 665731<br>EPR reference: EA/EPR/DP3794ST<br>Operator: Orchid Environmental Limited<br>Waste Management licence No: 50487<br>Annual Tonnage: 49999              | Issue Date: 10/05/2007<br>Effective Date: 10/05/2007<br>Modified: 10/05/2007<br>Surrendered Date: 07/11/2023<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Surrendered |
| L  | 416m SE  | Site Name: Arpley 2<br>Site Address: Arpley 2, Stretton Way, Huyton Ind Est, Huyton, Merseyside, L36 6JF<br>Correspondence Address: -                                                                                          | Type of Site: Household, Commercial & Industrial Waste T Stn<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: FCC004<br>EPR reference: EA/EPR/JB3633RP/V003<br>Operator: F C C Recycling ( U K ) Limited<br>Waste Management licence No: 104504<br>Annual Tonnage: 120000 | Issue Date: 23/07/2012<br>Effective Date: -<br>Modified: 08/06/2016<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: To PPC                        |



| ID | Location | Details                                                                                                                                                      |                                                                                                                                                                                                                                                                                                               |                                                                                                                                                              |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L  | 416m SE  | Site Name: Stretton Way<br>Site Address: Stretton Way, Huyton<br>Ind Est, Huyton, Merseyside, L36 6JF<br>Correspondence Address: -                           | Type of Site: 75kte HCI Waste TS + treatment<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: FCC004<br>EPR reference: EA/EPR/JB3633RP/A001<br>Operator: F C C Recycling ( U K) Limited<br>Waste Management licence No: 104504<br>Annual Tonnage: 74999                  | Issue Date: 23/07/2012<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued                   |
| L  | 416m SE  | Site Name: Arpley 2<br>Site Address: Stretton Way, Huyton<br>Ind Est, Huyton, Merseyside, L36 6JF<br>Correspondence Address: -                               | Type of Site: Household, Commercial & Industrial Waste T Stn<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: FCC004<br>EPR reference: EA/EPR/JB3633RP/V002<br>Operator: F C C Recycling ( U K) Limited<br>Waste Management licence No: 104504<br>Annual Tonnage: 120000 | Issue Date: 23/07/2012<br>Effective Date: -<br>Modified: 18/12/2012<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Modified        |
| L  | 416m SE  | Site Name: Arpley 2 - EPR/LP3139RK<br>Site Address: Arpley 2, Stretton Way, Huyton Industrial Estate, Huyton, Knowsley, L36 6JF<br>Correspondence Address: - | Type of Site: Household, Commercial & Industrial Waste T Stn<br>Size: >= 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: 648020<br>EPR reference: EA/EPR/JB3633RP<br>Operator: Fcc Recycling (UK) Limited<br>Waste Management licence No: 104504<br>Annual Tonnage: 120000       | Issue Date: 23/07/2012<br>Effective Date: 15/11/2016<br>Modified: 20/12/2023<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued |



| ID | Location | Details                                                                                                                                          |                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                     |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| N  | 467m SE  | Site Name: Huyton H W R C<br>Site Address: Huyton Ind Est,<br>Wilson Road, Huyton, Knowsley,<br>Merseyside, L36 6AD<br>Correspondence Address: - | Type of Site: 75kte Non-hazardous<br>& hazardous HWA Site<br>Size: 25000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: VEO167<br>EPR reference:<br>EA/EPR/DB3833DK/A001<br>Operator: Veolia E S Merseyside &<br>Halton Ltd<br>Waste Management licence No:<br>103677<br>Annual Tonnage: 74999 | Issue Date: 12/12/2011<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued          |
| N  | 467m SE  | Site Name: Huyton H W R C<br>Site Address: Huyton Ind Est,<br>Wilson Road, Huyton, Knowsley,<br>Merseyside, L36 6AD<br>Correspondence Address: - | Type of Site: -<br>Size: >= 25000 tonnes 75000<br>tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: 669414<br>EPR reference: EA/EPR/DB3833DK<br>Operator: Veolia Es Merseyside &<br>Halton Limited<br>Waste Management licence No:<br>103677<br>Annual Tonnage: 74999                             | Issue Date: 12/12/2011<br>Effective Date: 12/12/2011<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued |

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

### 3.7 Waste exemptions

|                            |           |
|----------------------------|-----------|
| <b>Records within 500m</b> | <b>58</b> |
|----------------------------|-----------|

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 46 >](#)

| ID | Location | Site | Reference | Category                 | Sub-Category  | Description                                             |
|----|----------|------|-----------|--------------------------|---------------|---------------------------------------------------------|
| B  | On site  | -    | WEX269258 | Treating waste exemption | Not on a farm | Preparatory treatments (baling, sorting, shredding etc) |
| B  | On site  | -    | WEX269259 | Storing waste exemption  | Not on a farm | Storage of waste in a secure place                      |
| B  | On site  | -    | WEX269260 | Storing waste exemption  | Not on a farm | Storage of waste in a secure place                      |



| ID | Location | Site                                                     | Reference             | Category                 | Sub-Category                | Description                                             |
|----|----------|----------------------------------------------------------|-----------------------|--------------------------|-----------------------------|---------------------------------------------------------|
| B  | On site  | -                                                        | WEX269261             | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc) |
| B  | On site  | Unit 1-3, Link Road, Huyton, Liverpool, L36 6ap          | WEX128635             | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                      |
| B  | On site  | Unit 1-3, Link Road, Huyton, Liverpool, L36 6ap          | WEX128683             | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                      |
| B  | On site  | Unit 1-3, Link Road, Huyton, Liverpool, L36 6ap          | WEX128624             | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc) |
| B  | On site  | Unit 1-3, Link Road, Huyton, Liverpool, L36 6ap          | WEX128685             | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc) |
| B  | On site  | Link Road Depot, Link Road, Huyton, Liverpool, L36 6ap   | WEX347667             | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc) |
| B  | On site  | Link Road Depot, Link Road, Huyton, Liverpool, L36 6ap   | WEX347669             | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                      |
| B  | 4m SE    | Unit 5 The Park Spring Lane South Malvern Wr14 1at       | EA/EPR/VP368 6WK/A001 | Treating waste exemption | Non-agricultural waste only | Repair or refurbishment of WEEE                         |
| B  | 7m SE    | Units 1-3 The Lombard Centre Link Road Liverpool L36 6ap | EPR/DF0403G U/A001    | Storing waste exemption  | Non-agricultural waste only | Storage of waste in a secure place                      |
| B  | 7m SE    | Units 1-3 The Lombard Centre Link Road Liverpool L36 6ap | EPR/DF0403G U/A001    | Treating waste exemption | Non-agricultural waste only | Recovery of textiles                                    |
| B  | 7m SE    | Units 1-3 The Lombard Centre Link Road Liverpool L36 6ap | EPR/DF0403G U/A001    | Treating waste exemption | Non-agricultural waste only | Preparatory treatments (baling, sorting, shredding etc) |
| B  | 7m SE    | Units 1-3 The Lombard Centre Link Road Liverpool L36 6ap | EPR/DF0403G U/A001    | Treating waste exemption | Non-agricultural waste only | Recovery of scrap metal                                 |
| D  | 42m SW   | 11a-11b, Wilson Road, Liverpool, L36 6an                 | WEX246359             | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                      |
| D  | 42m SW   | 11a-11b, Wilson Road, Liverpool, L36 6an                 | WEX377370             | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                      |



| ID | Location | Site                                                                                      | Reference             | Category                     | Sub-Category                | Description                                                                        |
|----|----------|-------------------------------------------------------------------------------------------|-----------------------|------------------------------|-----------------------------|------------------------------------------------------------------------------------|
| B  | 43m SE   | Lombard Centre, Link Road, Huyton, Liverpool, L36 6ap                                     | WEX347666             | Storing waste exemption      | Not on a farm               | Storage of waste in a secure place                                                 |
| B  | 43m SE   | Locker Freight, Link Road, Huyton, Liverpool, L36 6ap                                     | WEX426775             | Storing waste exemption      | Not on a farm               | Storage of waste in a secure place                                                 |
| C  | 74m NE   | Carbon I.t Recycling Ltd, The Big Padlock, Unit 3, Office 10, L36 6bj                     | WEX036881             | Storing waste exemption      | Not on a farm               | Storage of waste in a secure place                                                 |
| 1  | 158m SE  | Huyton Hwrc, Huyton Industrial Estate, Wilson Road, Huyton, L36 6ad                       | WEX308871             | Storing waste exemption      | Not on a farm               | Storage of waste in a secure place                                                 |
| G  | 159m SE  | Unit 1 The Lombard Centre Link Road Huyton Liverpool L36 6ap                              | EPR/ZH0814D E/A001    | Storing waste exemption      | Non-agricultural waste only | Storage of waste in a secure place                                                 |
| G  | 159m SE  | Unit 1 & 2 The Lombard Centre Link Road Huyton Liverpool L36 6ap                          | EA/EPR/VP368 6VG/A001 | Treating waste exemption     | Non-agricultural waste only | Repair or refurbishment of WEEE                                                    |
| G  | 159m SE  | Unit 1 The Lombard Centre Link Road Huyton Liverpool L36 6ap                              | EPR/GH0073J N/A001    | Treating waste exemption     | Non-agricultural waste only | Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling |
| 2  | 160m SE  | Locker Freight, Link Road, Huyton, Liverpool, L36 6ap                                     | WEX297363             | Storing waste exemption      | Not on a farm               | Storage of waste in a secure place                                                 |
| F  | 191m E   | Link Recycling Ltd Ellis Ashton Street, Ellis Ashton Street, Liverpool, Liverpool, L366bj | WEX137630             | Treating waste exemption     | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc)                            |
| F  | 191m E   | Locker Freight Limited, Ellis Ashton Street, Huyton, Liverpool, L36 6bj                   | WEX443479             | Storing waste exemption      | Not on a farm               | Storage of waste in a secure place                                                 |
| H  | 205m N   | Ellis Ashton Street, Liverpool, L36 6bw                                                   | WEX438302             | Storing waste exemption      | Not on a farm               | Storage of waste in a secure place                                                 |
| 4  | 209m N   | Jk Pallets Ltd Ellis Ashton Street Liverpool L36 6bn                                      | EPR/SF0503XE /A001    | Disposing of waste exemption | Non-agricultural waste only | Burning waste in the open                                                          |



| ID | Location | Site                                                                                          | Reference          | Category                 | Sub-Category                | Description                                             |
|----|----------|-----------------------------------------------------------------------------------------------|--------------------|--------------------------|-----------------------------|---------------------------------------------------------|
| 5  | 237m NE  | Huyton Waste Transfer Station, Ellis Ashton Street, Huyton Industrial Estate, Huyton, L36 6bn | WEX433773          | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc) |
| H  | 247m N   | Ellis Ashton Street, Liverpool, L36 6bw                                                       | WEX175096          | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                      |
| H  | 247m N   | Ellis Ashton Street, Liverpool, L36 6bw                                                       | WEX306768          | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                      |
| 9  | 302m NW  | Unit 4, Brickfields, Liverpool, L36 6hy                                                       | WEX419399          | Storing waste exemption  | Not on a farm               | Storage of waste in secure containers                   |
| I  | 310m NW  | Locker Freight Limited, Ellis Ashton Street, Huyton, Liverpool, L36 6bj                       | WEX311224          | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                      |
| 10 | 320m NW  | Unit 4, Wilson Business Centre, Wilson Road, Huyton Liverpool, L36 6an                        | WEX116758          | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                      |
| K  | 330m NW  | Unit 4, Brickfields, Liverpool, L36 6hy                                                       | WEX148881          | Storing waste exemption  | Not on a farm               | Storage of waste in secure containers                   |
| K  | 330m NW  | Unit 4, Brickfields, Liverpool, L36 6hy                                                       | WEX288098          | Storing waste exemption  | Not on a farm               | Storage of waste in secure containers                   |
| K  | 332m NW  | 4 Brickfields L36 6hy                                                                         | EPR/WF0201G V/A001 | Storing waste exemption  | Non-agricultural waste only | Storage of waste in secure containers                   |
| K  | 332m NW  | 4 Brickfields L36 6hy                                                                         | EPR/WF0201G V/A001 | Storing waste exemption  | Non-agricultural waste only | Storage of waste in a secure place                      |
| K  | 334m NW  | Unit 4 Brickfields Liverpool L36 6hy                                                          | EPR/WF0608U M/A001 | Storing waste exemption  | Non-agricultural waste only | Storage of waste in a secure place                      |
| I  | 336m NW  | Huyton Waste Transfer Station, Ellis Ashton Street, Huyton Industrial Estate, Huyton, L36 6bn | WEX302321          | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc) |
| I  | 336m NW  | Locker Freight, Ellis Ashton Street, Liverpool, L36 6bn                                       | WEX214211          | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc) |
| I  | 336m NW  | Locker Freight, Ellis Ashton Street, Liverpool, L36 6bn                                       | WEX214211          | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                      |



| ID | Location | Site                                                                                          | Reference          | Category                 | Sub-Category                | Description                                                                                   |
|----|----------|-----------------------------------------------------------------------------------------------|--------------------|--------------------------|-----------------------------|-----------------------------------------------------------------------------------------------|
| I  | 336m NW  | Huyton Waste Transfer Station, Ellis Ashton Street, Huyton Industrial Estate, Huyton, L36 6bn | WEX164498          | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc)                                       |
| I  | 336m NW  | Huyton Waste Transfer Station, Ellis Ashton Street, Huyton Industrial Estate, Huyton, L36 6bn | WEX000883          | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc)                                       |
| I  | 336m NW  | Huyton Waste Transfer Station, Ellis Ashton Street, Huyton Industrial, Huyton, L36 6bn        | WEX164263          | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc)                                       |
| K  | 347m NW  | -                                                                                             | WEX404594          | Treating waste exemption | Not on a farm               | Preparatory treatments (baling, sorting, shredding etc)                                       |
| K  | 347m NW  | -                                                                                             | WEX404594          | Treating waste exemption | Not on a farm               | Recovery of textiles                                                                          |
| M  | 420m E   | -                                                                                             | WEX391268          | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                                                            |
| M  | 420m E   | -                                                                                             | WEX395120          | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                                                            |
| M  | 420m E   | -                                                                                             | WEX429961          | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                                                            |
| M  | 420m E   | Contracting Site                                                                              | WEX263314          | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                                                            |
| O  | 493m SE  | Knowsley Metropolitan Borough Council Stretton Way Liverpool L36 6jf                          | EPR/EF0001M P/A001 | Treating waste exemption | Non-agricultural waste only | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| O  | 493m SE  | Riverside House Stretton Way Liverpool L36 6jf                                                | EPR/GF0235A U/A001 | Storing waste exemption  | Non-agricultural waste only | Storage of waste in a secure place                                                            |
| O  | 495m SE  | Locker Freight Ltd, Stretton Way, Huyton, Liverpool, L366jf                                   | WEX137591          | Storing waste exemption  | Not on a farm               | Storage of waste in a secure place                                                            |
| O  | 495m SE  | -                                                                                             | WEX261078          | Treating waste exemption | Not on a farm               | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |

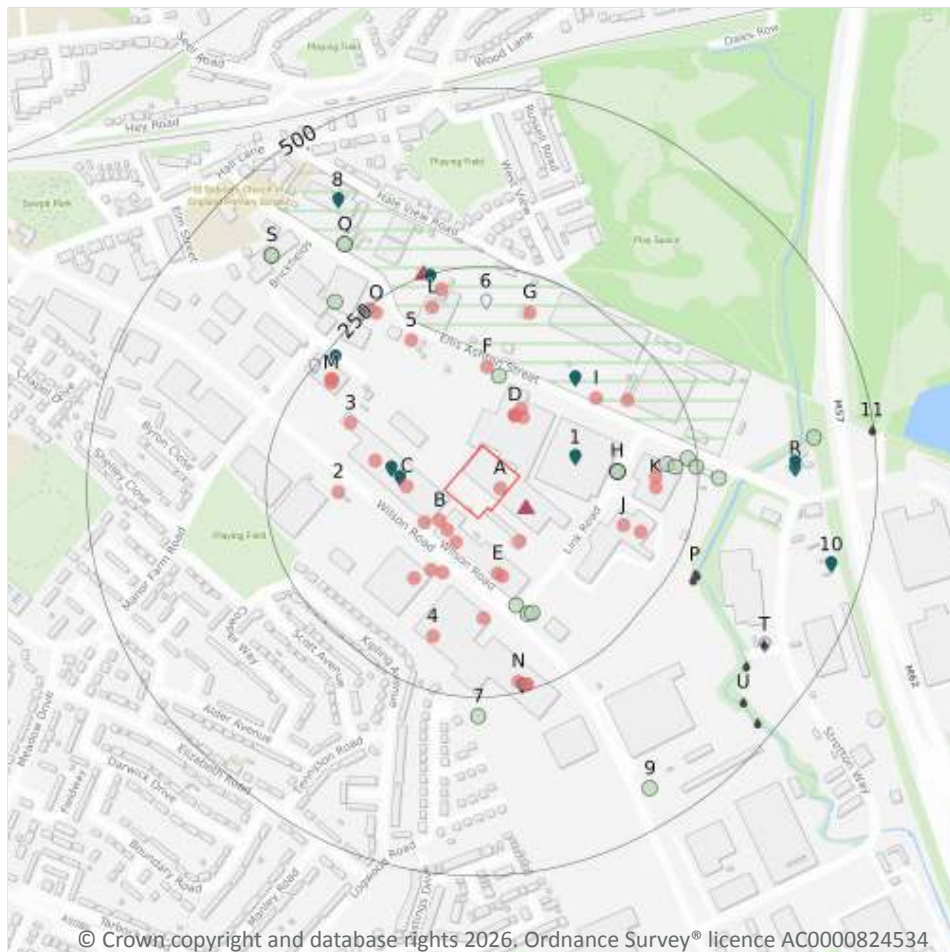


| ID | Location | Site                                                                | Reference | Category                 | Sub-Category  | Description                                                                                   |
|----|----------|---------------------------------------------------------------------|-----------|--------------------------|---------------|-----------------------------------------------------------------------------------------------|
| O  | 495m SE  | Knowsley Depot, Stretton Way, Huyton, Knowsley, Merseyside, L36 6jf | WEX076561 | Storing waste exemption  | Not on a farm | Storage of waste in a secure place                                                            |
| O  | 495m SE  | Stretton Way, Liverpool, L36 6jf                                    | WEX121161 | Treating waste exemption | Not on a farm | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |

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



## 4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- NGD current or recent tanks
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- ◆ Part A(1) industrial activities
- ◆ Licensed pollutant release (Part A(2)/B)
- ◆ Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

### 4.1 Recent industrial land uses

Records within 250m

41

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 64](#) >

| ID | Location | Company                           | Address                                                                       | Activity                 | Category                        |
|----|----------|-----------------------------------|-------------------------------------------------------------------------------|--------------------------|---------------------------------|
| A  | On site  | Lombard Shipping & Forwarding Ltd | First Floor Lombard Centre, Link Road, Huyton, Liverpool, Merseyside, L36 6AP | Distribution and Haulage | Transport, Storage and Delivery |
| B  | 37m SW   | Electricity Sub Station           | Merseyside, L36                                                               | Electrical Features      | Infrastructure and Facilities   |

| ID | Location | Company                           | Address                                                                      | Activity                                | Category                              |
|----|----------|-----------------------------------|------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|
| B  | 40m SW   | North West Plant Hire & Sales Ltd | 11c, Wilson Road, Huyton, Merseyside, L36 6AN                                | Construction and Tool Hire              | Hire Services                         |
| B  | 46m SW   | Factory                           | Merseyside, L36                                                              | Unspecified Works Or Factories          | Industrial Features                   |
| C  | 53m W    | M B O S Ltd                       | 4 Chapel Brook Trade Park, Wilson Road, Huyton, Merseyside, L36 6FH          | Photographic and Optical Equipment      | Consumer Products                     |
| B  | 53m SW   | Electricity Sub Station           | Merseyside, L36                                                              | Electrical Features                     | Infrastructure and Facilities         |
| A  | 58m SE   | Factory                           | Merseyside, L36                                                              | Unspecified Works Or Factories          | Industrial Features                   |
| D  | 62m NE   | Action Pest Control Ltd           | 3, Ellis Ashton Street, Huyton, Merseyside, L36 6BJ                          | Pest and Vermin Control                 | Contract Services                     |
| D  | 62m NE   | Sole-mates Insoles Ltd            | 3, Ellis Ashton Street, Huyton, Merseyside, L36 6BJ                          | Footwear                                | Consumer Products                     |
| D  | 62m NE   | Big Padlock UK Ltd                | 3, Ellis Ashton Street, Huyton, Merseyside, L36 6BJ                          | Container and Storage                   | Transport, Storage and Delivery       |
| D  | 66m NE   | Factory                           | Merseyside, L36                                                              | Unspecified Works Or Factories          | Industrial Features                   |
| D  | 74m NE   | Robcliffe Ltd                     | 2 The Big Padlock, Ellis Ashton Street, Huyton, Merseyside, L36 6BJ          | Vehicle Breakdown and Recovery Services | Personal, Consumer and Other Services |
| E  | 82m S    | Factory                           | Merseyside, L36                                                              | Unspecified Works Or Factories          | Industrial Features                   |
| E  | 88m S    | Spromak Holdings Ltd              | Doodle's Donuts 11d-11g, Wilson Road, Huyton, Merseyside, L36 6AN            | General Construction Supplies           | Industrial Products                   |
| B  | 91m SW   | Gas Governor Station              | Merseyside, L36                                                              | Gas Features                            | Infrastructure and Facilities         |
| B  | 97m SW   | Electricity Sub Station           | Merseyside, L36                                                              | Electrical Features                     | Infrastructure and Facilities         |
| C  | 106m NW  | HSS Hire Service Group Ltd        | Hss Hire 8 Chapel Brook Trade Park, Wilson Road, Huyton, Merseyside, L36 6FH | Construction and Tool Hire              | Hire Services                         |
| F  | 111m N   | Mast                              | Merseyside, L36                                                              | Telecommunications Features             | Infrastructure and Facilities         |



| ID | Location | Company                               | Address                                                                       | Activity                              | Category                      |
|----|----------|---------------------------------------|-------------------------------------------------------------------------------|---------------------------------------|-------------------------------|
| B  | 122m SW  | Quinn Developments Drainage Engineers | Ecl 8 Interchange Motorway Estate, Wilson Road, Huyton, Merseyside, L36 6JG   | Civil Engineers                       | Engineering Services          |
| E  | 139m S   | No 1 Discount Sheds Factory           | Unit 18, Wilson Road, Liverpool, Merseyside, L36 6JG                          | Garden Goods                          | Consumer Products             |
| 2  | 148m W   | Electricity Sub Station               | Merseyside, L36                                                               | Electrical Features                   | Infrastructure and Facilities |
| I  | 153m NE  | Electricity Sub Station               | Merseyside, L36                                                               | Electrical Features                   | Infrastructure and Facilities |
| J  | 160m SE  | A R K Travel LLP                      | Link Road, Huyton, Merseyside, L36 6AP                                        | Vehicle Hire and Rental               | Hire Services                 |
| 3  | 161m NW  | K2 Plastics                           | 15 Chapel Brook Trade Park, Wilson Road, Huyton, Merseyside, L36 6FH          | Rubber, Silicones and Plastics        | Industrial Products           |
| 4  | 177m S   | Hogans Butchers Ltd                   | 13b-13c Interchange Motorway Estate, Wilson Road, Huyton, Merseyside, L36 6JG | Fish, Meat and Poultry Products       | Foodstuffs                    |
| 5  | 177m NW  | Works                                 | Merseyside, L36                                                               | Unspecified Works Or Factories        | Industrial Features           |
| I  | 184m NE  | Electricity Sub Station               | Merseyside, L36                                                               | Electrical Features                   | Infrastructure and Facilities |
| J  | 186m SE  | Link Recycling                        | Unit 3-Vacant, Link Road, Huyton, Merseyside, L36 6AP                         | Construction and Tool Hire            | Hire Services                 |
| K  | 191m E   | Cemex UK                              | Fusion Building (For Sale), Ellis Ashton Street, Huyton, Merseyside, L36 6BJ  | Concrete Products                     | Industrial Products           |
| K  | 191m E   | Refuse Destructor                     | Merseyside, L36                                                               | Refuse Disposal Facilities            | Infrastructure and Facilities |
| G  | 198m N   | Works                                 | Merseyside, L36                                                               | Unspecified Works Or Factories        | Industrial Features           |
| L  | 206m N   | Hi-wire Ltd                           | Ellis Ashton Street, Huyton, Merseyside, L36 6BW                              | Cable, Wire and Fibre Optics          | Industrial Products           |
| M  | 217m NW  | Brickfields Vehicle Services          | 17, Brickfields, Huyton, Merseyside, L36 6HY                                  | Vehicle Repair, Testing and Servicing | Repair and Servicing          |
| M  | 220m NW  | Mainsway Ltd                          | 18, Brickfields, Huyton, Merseyside, L36 6HY                                  | Construction and Tool Hire            | Hire Services                 |



| ID | Location | Company                                  | Address                                                                 | Activity                              | Category                      |
|----|----------|------------------------------------------|-------------------------------------------------------------------------|---------------------------------------|-------------------------------|
| M  | 221m NW  | Works                                    | Merseyside, L36                                                         | Unspecified Works Or Factories        | Industrial Features           |
| L  | 226m N   | Electricity Sub Station                  | Merseyside, L36                                                         | Electrical Features                   | Infrastructure and Facilities |
| N  | 235m S   | Works                                    | Merseyside, L36                                                         | Unspecified Works Or Factories        | Industrial Features           |
| O  | 237m NW  | Works                                    | Merseyside, L36                                                         | Unspecified Works Or Factories        | Industrial Features           |
| N  | 242m S   | North West Trucks Services Ltd           | North West Truck Services Ltd, Wilson Road, Huyton, Merseyside, L36 6AJ | New Vehicles                          | Motoring                      |
| N  | 242m S   | North West Trucks                        | North West Truck Services Ltd, Wilson Road, Huyton, Merseyside, L36 6AJ | Vehicle Repair, Testing and Servicing | Repair and Servicing          |
| O  | 248m NW  | Cemex Huyton Concrete Plant Screed Sales | Ellis Ashton Street, Liverpool, Merseyside, L36 6BJ                     | Concrete Products                     | Industrial Products           |

*This data is sourced from Ordnance Survey®.*

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

**Records within 250m**

**1**

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

Features are displayed on the Current industrial land use map on [page 64 >](#)

| ID | Location | Tank description   | Activity                      | Date first identified |
|----|----------|--------------------|-------------------------------|-----------------------|
| O  | 242m NW  | Roofed Rowing Tank | Sports Attraction Or Facility | 20/01/2017            |

*This data is sourced from Ordnance Survey®.*

## 4.3 Current or recent petrol stations

**Records within 500m**

**0**

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*



## 4.4 Electricity cables

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

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.5 Gas pipelines

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

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*

## 4.6 Sites determined as Contaminated Land

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

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

*This data is sourced from Local Authority records.*

## 4.7 Control of Major Accident Hazards (COMAH)

|                     |   |
|---------------------|---|
| Records within 500m | 1 |
|---------------------|---|

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

Features are displayed on the Current industrial land use map on [page 64](#) >

| ID | Location | Company                         | Address                                                                      | Operational status    | Tier |
|----|----------|---------------------------------|------------------------------------------------------------------------------|-----------------------|------|
| G  | 120m NE  | Basf<br>Printing<br>Systems Ltd | Basf Printing Systems Ltd, Ellis Ashton Steet,<br>Huyton, Liverpool, L36 6BN | Historical NIHHS Site | -    |

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

## 4.8 Regulated explosive sites

### Records within 500m

0

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

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

## 4.9 Hazardous substance storage/usage

### Records within 500m

2

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.

Features are displayed on the Current industrial land use map on [page 64 >](#)

| ID | Location | Details                                                                                                                                                                                                                                 |                                                                                                                                                                                                       |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 33m SE   | Application reference number: No Details<br>Application status: Approved<br>Application date: No Details<br>Address: Lombard Shipping & Forwarding Ltd, Link Road, Huyton, Liverpool, Merseyside, England, L36 6AP                      | Details: No Details<br>Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement Notified                                                       |
| L  | 256m N   | Application reference number: 99/00713/HSC<br>Application status: Approved<br>Application date: 22/10/1999<br>Address: Essex International Limited, Huyton Ind Est, Ellis Ashton Street, Huyton, Knowsley, Merseyside, England, L36 6BW | Details: Claim For Deemed Consent For The Storage Of Hazardous Substances<br>Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement Notified |

*This data is sourced from Local Authority records.*

## 4.10 Historical licensed industrial activities (IPC)

### Records within 500m

0

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

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

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

### Records within 500m

5

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 64](#) >

| ID | Location | Details                                                                                                                                                                                                                                                            |                                                                                                                                                       |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6  | 201m N   | Operator: CJ & LM DAVIES LIMITED<br>Installation Name: The Vinnals Poultry Site<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: HP3630DX<br>Original Permit Number: HP3630DX                                                                     | EPR Reference: EPR/HP3630DX<br>Issue Date: 21/12/2016<br>Effective Date: 21/12/2016<br>Last date noted as effective: 07/01/2026<br>Status: Superseded |
| M  | 251m NW  | Operator: LANGDAWE LIMITED<br>Installation Name: Rapid Precision Engineering - EPR/AP3704BM<br>Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M<br>Permit Number: AP3704BM<br>Original Permit Number: AP3704BM                        | EPR Reference: EPR/AP3704BM<br>Issue Date: 15/01/2021<br>Effective Date: 15/01/2021<br>Last date noted as effective: 07/01/2026<br>Status: Effective  |
| T  | 416m SE  | Operator: FCC RECYCLING (UK) LIMITED<br>Installation Name: Arpley 2 - EPR/LP3139RK<br>Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT<br>Permit Number: JB3633RP<br>Original Permit Number: LP3139RK | EPR Reference: EPR/JB3633RP<br>Issue Date: 23/07/2012<br>Effective Date: 15/11/2016<br>Last date noted as effective: 07/01/2026<br>Status: Effective  |
| T  | 416m SE  | Operator: FCC Recycling (UK) Limited<br>Installation Name: Arpley 2 - EPR/LP3139RK<br>Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT<br>Permit Number: CP3638DW<br>Original Permit Number: LP3139RK | EPR Reference: -<br>Issue Date: 15/11/2016<br>Effective Date: 15/11/2016<br>Last date noted as effective: 21/03/2023<br>Status: Effective             |
| T  | 416m SE  | Operator: FCC Recycling (UK) Limited<br>Installation Name: Arpley2 EPR/JB3633RP<br>Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT<br>Permit Number: LP3139RK<br>Original Permit Number: LP3139RK    | EPR Reference: -<br>Issue Date: 08/06/2016<br>Effective Date: 08/06/2016<br>Last date noted as effective: 21/03/2023<br>Status: Superseded            |

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



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

### Records within 500m

**12**

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 64](#) >

| ID | Location | Address                                                                                | Details                                                                         |                                                                                                                             |
|----|----------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| C  | 64m W    | Bicc Connollys Ltd, Ellis Ashton St, Huyton, L36 6BW                                   | Process: Coating Processes<br>Status: Historical Permit<br>Permit Type: Part B  | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| C  | 81m W    | Tricolour Printing Brickfields, Huyton Ind Est, Huyton, Liverpool, Merseyside, L33 6HY | Process: Printing<br>Status: Revoked<br>Permit Type: Part B                     | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| 1  | 82m E    | Basf Ltd, Ellis Ashton St, Liverpool, L36 6BN                                          | Process: Coating Processes<br>Status: Historical Permit<br>Permit Type: Part B  | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| I  | 154m NE  | Knowsley Mbc, Link Rd, Knowsley, L36 6AP                                               | Process: Timber Manufacture<br>Status: Historical Permit<br>Permit Type: Part B | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| M  | 235m NW  | Rmc Concrete, Ellis Ashton Street, Huyton Industrial Estate, L36 6BW                   | Process: Use of Bulk Cement<br>Status: Historical Permit<br>Permit Type: Part B | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| N  | 242m S   | North West Truck, Unit 22, Wilson Road, Huyton Ind Est, L36 6AJ                        | Process: Waste Oil Burner 0.4 MW<br>Status: Revoked<br>Permit Type: Part B      | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| L  | 246m N   | Essex International, Ellis Ashton Street, Huyton Ind Est, L36 6BW                      | Process: Coating Processes<br>Status: Historical Permit<br>Permit Type: Part A2 | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| O  | 249m NW  | Cemex Ltd, Ellis Ashton Street, Huyton Industrial Estate, L36 6BJ                      | Process: Use of Bulk Cement<br>Status: Current Permit<br>Permit Type: Part B    | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |



| ID | Location | Address                                                                                  | Details                                                                                       |                                                                                                                             |
|----|----------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| R  | 386m E   | Tilcon Ltd, Ellis Ashton Street, Liverpool, L36 6BJ                                      | Process: Perlite Processes<br>Status: Historical Permit<br>Permit Type: Part B                | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| R  | 386m E   | Tarmac (Concrete), Ellis Ashton Street, Huyton Industrial Estate, L36 6BJ                | Process: Use of Bulk Cement<br>Status: Current Permit<br>Permit Type: Part B                  | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| 8  | 398m NW  | Basf Coatings & Inks, 101 Tenth Avenue, Deeside Industrial Park, Deeside, Clwyd, CH5 2UA | Process: Manufacture of Coating Materials<br>Status: Historical Permit<br>Permit Type: Part B | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |
| 10 | 453m E   | Local Asphalt Liverpool (RMC Roadstone), Stretton Way, Huyton Industrial Estate, L36 6JF | Process: Roadstone Coating Processes<br>Status: Current Permit<br>Permit Type: Part B         | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |

*This data is sourced from Local Authority records.*

## 4.13 Radioactive Substance Authorisations

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

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

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

## 4.14 Licensed Discharges to controlled waters

|                            |           |
|----------------------------|-----------|
| <b>Records within 500m</b> | <b>10</b> |
|----------------------------|-----------|

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 64](#) >

| ID | Location | Address                                                                              | Details                                                                                                                                                                 |                                                                                                             |
|----|----------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| P  | 281m SE  | LINK ROAD COMBINED SEWER OVERFLOW, LINK ROAD, HUYTON, LIVERPOOL, MERSEYSIDE, L36 6AP | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY<br>Permit Number: 01KNW0009<br>Permit Version: 4<br>Receiving Water: LOGWOOD MILL BROOK VIA SWS | Status: VARIED UNDER EPR 2010<br>Issue date: 13/11/2019<br>Effective Date: 13/11/2019<br>Revocation Date: - |



| ID | Location | Address                                                                              | Details                                                                                                                                                          |                                                                                                                                                         |
|----|----------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| P  | 283m SE  | LINK ROAD COMBINED SEWER OVERFLOW, LINK ROAD, HUYTON, LIVERPOOL, MERSEYSIDE, L36 6AP | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY<br>Permit Number: 01KNW0009<br>Permit Version: 2<br>Receiving Water: LOGWOOD MILL BROOK  | Status: VARIED UNDER EPR 2010<br>Issue date: 03/09/2010<br>Effective Date: 03/09/2010<br>Revocation Date: 21/03/2016                                    |
| P  | 283m SE  | LINK ROAD COMBINED SEWER OVERFLOW, LINK ROAD, HUYTON, LIVERPOOL, MERSEYSIDE, L36 6AP | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY<br>Permit Number: 01KNW0009<br>Permit Version: 1<br>Receiving Water: LOGWOOD MILL BROOK  | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: -<br>Effective Date: 01/01/1995<br>Revocation Date: 02/09/2010 |
| P  | 284m SE  | LINK ROAD COMBINED SEWER OVERFLOW, LINK ROAD, HUYTON, LIVERPOOL, MERSEYSIDE, L36 6AP | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY<br>Permit Number: 01KNW0009<br>Permit Version: 3<br>Receiving Water: LOGWOOD MILL BROOK  | Status: VARIED UNDER EPR 2010<br>Issue date: 22/03/2016<br>Effective Date: 22/03/2016<br>Revocation Date: 12/11/2019                                    |
| T  | 413m SE  | WHISTON ECCLESTON COUNCIL CAR PARK, STRETTON WAY, KNOWSLEY, L36 6JF                  | Effluent Type: TRADE DISCHARGES - SITE DRAINAGE<br>Permit Number: EPRWP3724GT<br>Permit Version: 1<br>Receiving Water: LOGWOOD MILL BROOK                        | Status: SURRENDERED UNDER EPR 2010<br>Issue date: 20/09/2012<br>Effective Date: 25/10/2012<br>Revocation Date: 13/03/2014                               |
| T  | 416m SE  | BUITONI FOODS LTD, WILSON ROAD, HUYTON, MERSEYSIDE                                   | Effluent Type: TRADE DISCHARGES - COOLING WATER<br>Permit Number: 016990405<br>Permit Version: 1<br>Receiving Water: LOGWOOD MILL BROOK                          | Status: REVOKED - UNSPECIFIED<br>Issue date: -<br>Effective Date: 13/01/1983<br>Revocation Date: 24/10/1988                                             |
| U  | 442m SE  | WHISTON PARK (ECCLESTON PK) CSO, STRETTON WAY, HUYTON, KNOWSLEY, MERSEYSIDE, L36 6JF | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY<br>Permit Number: 016983003<br>Permit Version: 3<br>Receiving Water: LONGWOOD MILL BROOK | Status: VARIED UNDER EPR 2010<br>Issue date: 23/03/2020<br>Effective Date: 23/03/2020<br>Revocation Date: -                                             |



| ID | Location | Address                                                                                    | Details                                                                                                                                                                   |                                                                                                                                                                        |
|----|----------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U  | 477m SE  | WHISTON PARK (ECCLESTON PK)<br>CSO, STRETTON WAY, HUYTON,<br>KNOWSLEY, MERSEYSIDE, L36 6JF | Effluent Type: SEWAGE DISCHARGES<br>- SEWER STORM OVERFLOW -<br>WATER COMPANY<br>Permit Number: 016983003<br>Permit Version: 1<br>Receiving Water: LONGWOOD MILL<br>BROOK | Status: POST NRA LEGISLATION<br>WHERE ISSUE DATE > 31-AUG-89<br>(HISTORIC ONLY)<br>Issue date: 08/08/1995<br>Effective Date: 08/08/1995<br>Revocation Date: 30/11/2013 |
| U  | 477m SE  | WHISTON PARK (ECCLESTON PK)<br>CSO, STRETTON WAY, HUYTON,<br>KNOWSLEY, MERSEYSIDE, L36 6JF | Effluent Type: SEWAGE DISCHARGES<br>- SEWER STORM OVERFLOW -<br>WATER COMPANY<br>Permit Number: 016983003<br>Permit Version: 2<br>Receiving Water: LONGWOOD MILL<br>BROOK | Status: VARIED UNDER EPR 2010<br>Issue date: 29/11/2013<br>Effective Date: 01/12/2013<br>Revocation Date: 22/03/2020                                                   |
| 11 | 497m E   | WHISTON VENTURE PARK,<br>KNOWLSLEY, MERSEYSIDE                                             | Effluent Type: MISCELLANEOUS<br>DISCHARGES - SURFACE WATER<br>Permit Number: 016921163<br>Permit Version: 1<br>Receiving Water: LOGWOOD MILL<br>BROOK                     | Status: REVOKED - UNSPECIFIED<br>Issue date: -<br>Effective Date: 01/11/1994<br>Revocation Date: 01/11/1994                                                            |

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

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

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

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

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

#### 4.16 Pollutant release to public sewer

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

Discharges of Special Category Effluents to the public sewer.

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

## 4.17 List 1 Dangerous Substances

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

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

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

## 4.18 List 2 Dangerous Substances

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

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

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

## 4.19 Pollution Incidents (EA/NRW)

|                     |    |
|---------------------|----|
| Records within 500m | 23 |
|---------------------|----|

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 64 >](#)

| ID | Location | Details                                                                                                                                                                                       |                                                                                                                     |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| F  | 100m N   | Incident Date: 25/02/2003<br>Incident Identification: 139343<br>Pollutant: General Biodegradable Materials and Wastes<br>Pollutant Description: Other General Biodegradable Material or Waste | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact)       |
| E  | 132m SE  | Incident Date: 09/05/2001<br>Incident Identification: 4926<br>Pollutant: Pollutant Not Identified<br>Pollutant Description: Not Identified                                                    | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 2 (Significant)<br>Air Impact: Category 4 (No Impact) |
| H  | 137m E   | Incident Date: 02/07/2024<br>Incident Identification: 2281782<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Effect on Animals                                    | Water Impact: Category 2 (Significant)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 3 (Minor)         |
| H  | 137m E   | Incident Date: 02/07/2024<br>Incident Identification: 2281782<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Asbestos                                                       | Water Impact: Category 2 (Significant)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 3 (Minor)         |

| ID | Location | Details                                                                                                                                          |                                                                                                                       |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| H  | 137m E   | Incident Date: 02/07/2024<br>Incident Identification: 2281782<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Commercial Waste  | Water Impact: Category 2 (Significant)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 3 (Minor)           |
| H  | 137m E   | Incident Date: 02/07/2024<br>Incident Identification: 2281782<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Contaminated Soil | Water Impact: Category 2 (Significant)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 3 (Minor)           |
| H  | 137m E   | Incident Date: 02/07/2024<br>Incident Identification: 2281782<br>Pollutant: Contaminated Water<br>Pollutant Description: Firefighting Run-Off    | Water Impact: Category 2 (Significant)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 3 (Minor)           |
| H  | 137m E   | Incident Date: 02/07/2024<br>Incident Identification: 2281782<br>Pollutant: Oils and Fuel<br>Pollutant Description: Unidentified Oil             | Water Impact: Category 2 (Significant)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 3 (Minor)           |
| E  | 150m SE  | Incident Date: 04/05/2001<br>Incident Identification: 4382<br>Pollutant: Other Pollutant<br>Pollutant Description: Other                         | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 2 (Significant)<br>Air Impact: Category 4 (No Impact)   |
| E  | 152m SE  | Incident Date: 25/06/2003<br>Incident Identification: 168695<br>Pollutant: Other Pollutant<br>Pollutant Description: Other                       | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor)         |
| K  | 206m E   | Incident Date: 11/05/2004<br>Incident Identification: 235941<br>Pollutant: Other Pollutant<br>Pollutant Description: Other                       | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 2 (Significant)<br>Air Impact: Category 2 (Significant) |
| K  | 218m E   | Incident Date: 10/05/2001<br>Incident Identification: 5190<br>Pollutant: Other Pollutant<br>Pollutant Description: Other                         | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 2 (Significant)<br>Air Impact: Category 4 (No Impact)   |
| K  | 237m E   | Incident Date: 08/09/2004<br>Incident Identification: 265261<br>Pollutant: Other Pollutant<br>Pollutant Description: Other                       | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 2 (Significant)   |
| K  | 248m E   | Incident Date: 06/11/2003<br>Incident Identification: 200290<br>Pollutant: Other Pollutant<br>Pollutant Description: Other                       | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor)         |



| ID | Location | Details                                                                                                                                                                                      |                                                                                                                       |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 7  | 277m S   | Incident Date: 19/05/2025<br>Incident Identification: 2389265<br>Pollutant: Organic Chemicals/Products<br>Pollutant Description: Dyes and Inks                                               | Water Impact: Category 2 (Significant)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)   |
| K  | 279m E   | Incident Date: 13/05/2004<br>Incident Identification: 236347<br>Pollutant: Other Pollutant<br>Pollutant Description: Other                                                                   | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 2 (Significant)<br>Air Impact: Category 2 (Significant) |
| O  | 287m NW  | Incident Date: 19/06/2003<br>Incident Identification: 167274<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Other Atmospheric Pollutant or Effect                | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)     |
| Q  | 340m NW  | Incident Date: 17/08/2001<br>Incident Identification: 24888<br>Pollutant: General Biodegradable Materials and Wastes<br>Pollutant Description: Other General Biodegradable Material or Waste | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)     |
| Q  | 340m NW  | Incident Date: 17/08/2001<br>Incident Identification: 24888<br>Pollutant: General Biodegradable Materials and Wastes<br>Pollutant Description: Other General Biodegradable Material or Waste | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)     |
| S  | 397m NW  | Incident Date: 12/09/2013<br>Incident Identification: 1158726<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Commercial Waste                                              | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 2 (Significant)<br>Air Impact: Category 4 (No Impact)   |
| S  | 397m NW  | Incident Date: 12/09/2013<br>Incident Identification: 1158726<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Household Waste                                               | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 2 (Significant)<br>Air Impact: Category 4 (No Impact)   |
| R  | 415m E   | Incident Date: 27/10/2015<br>Incident Identification: 1383783<br>Pollutant: General Biodegradable Materials and Wastes<br>Pollutant Description: Food and Drink                              | Water Impact: Category 2 (Significant)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)   |
| 9  | 448m SE  | Incident Date: 09/05/2001<br>Incident Identification: 4977<br>Pollutant: Other Pollutant<br>Pollutant Description: Other                                                                     | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 2 (Significant)<br>Air Impact: Category 4 (No Impact)   |

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



## 4.20 Pollution inventory substances

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

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

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

## 4.21 Pollution inventory waste transfers

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

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

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

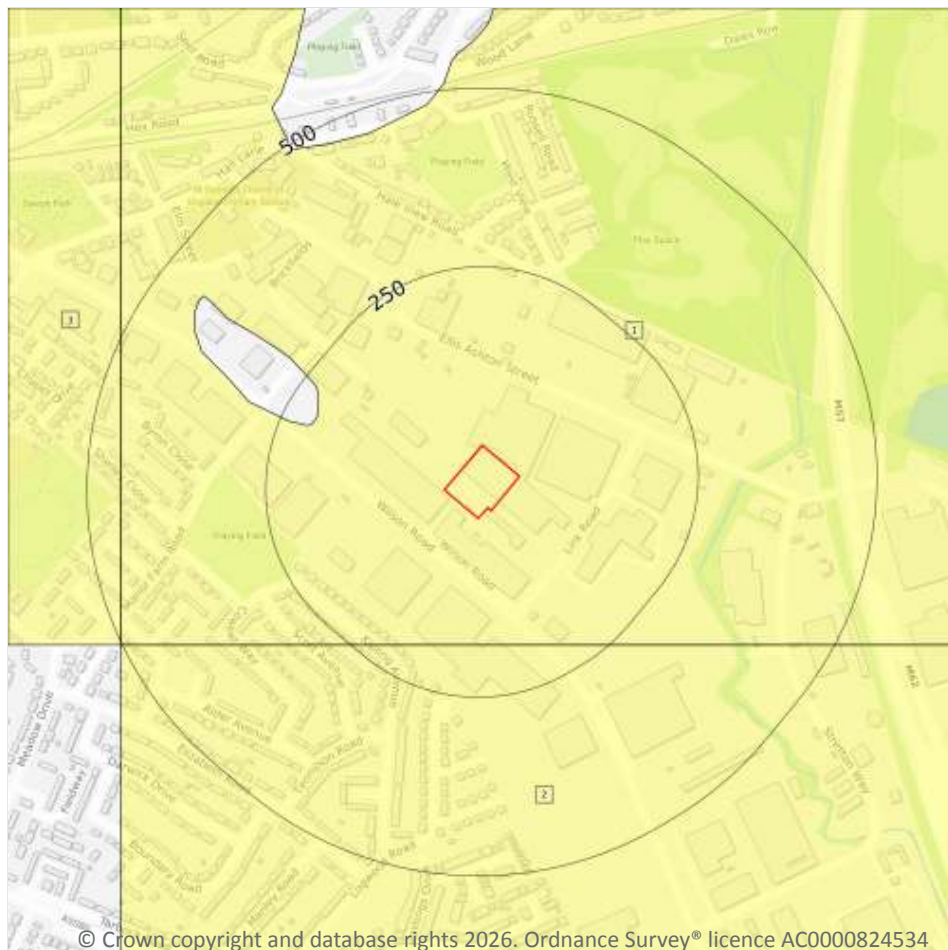
## 4.22 Pollution inventory radioactive waste

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

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

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

## 5 Hydrogeology - Superficial aquifer



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

### 5.1 Superficial aquifer

Records within 500m

3

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 79 >](#)

| ID | Location | Designation                | Description                                                                                                                                                                                                                                             |
|----|----------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 2  | 177m S   | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |

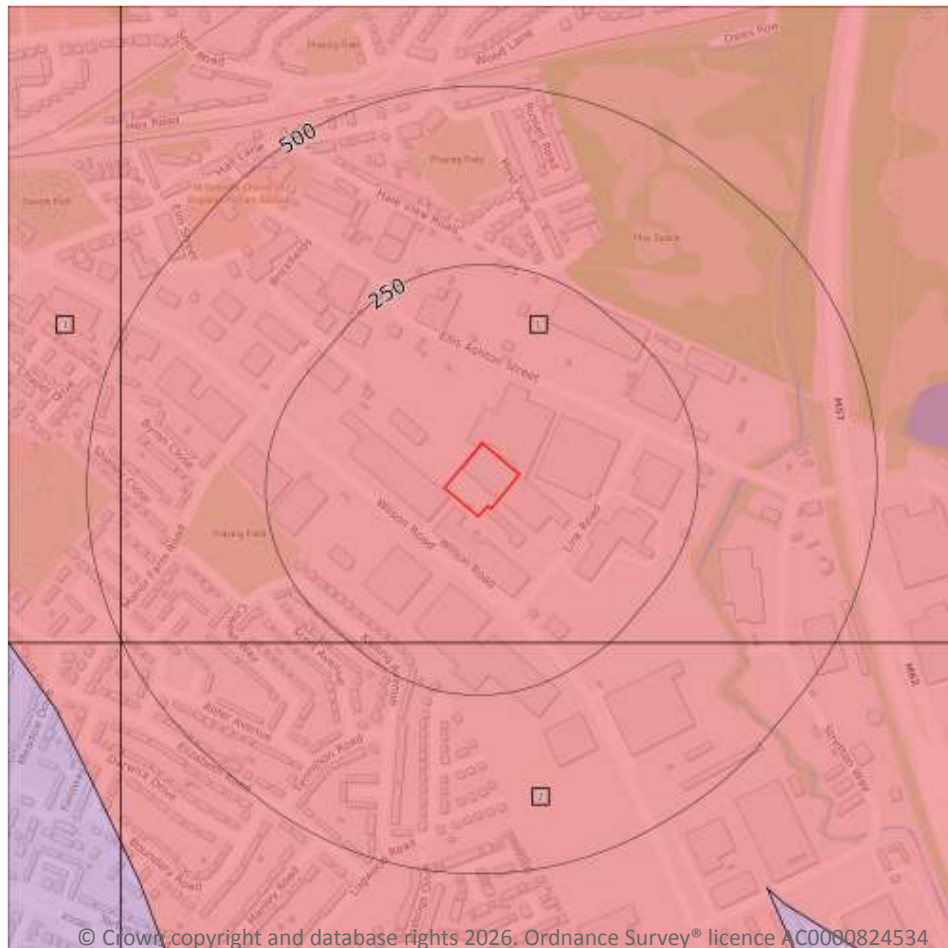


| ID | Location | Designation                   | Description                                                                                                                                                                                                                                             |
|----|----------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3  | 452m W   | Secondary<br>Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |

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



## Bedrock aquifer



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

### 5.2 Bedrock aquifer

#### Records within 500m

3

Aquifer status of groundwater held within bedrock geology.

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

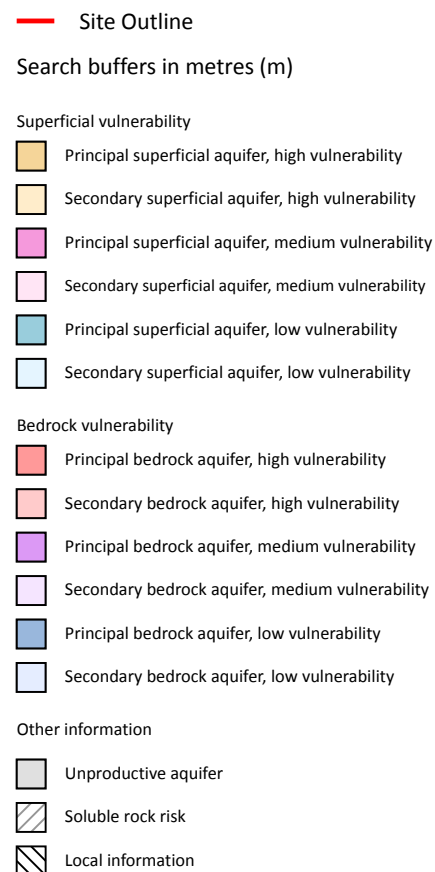
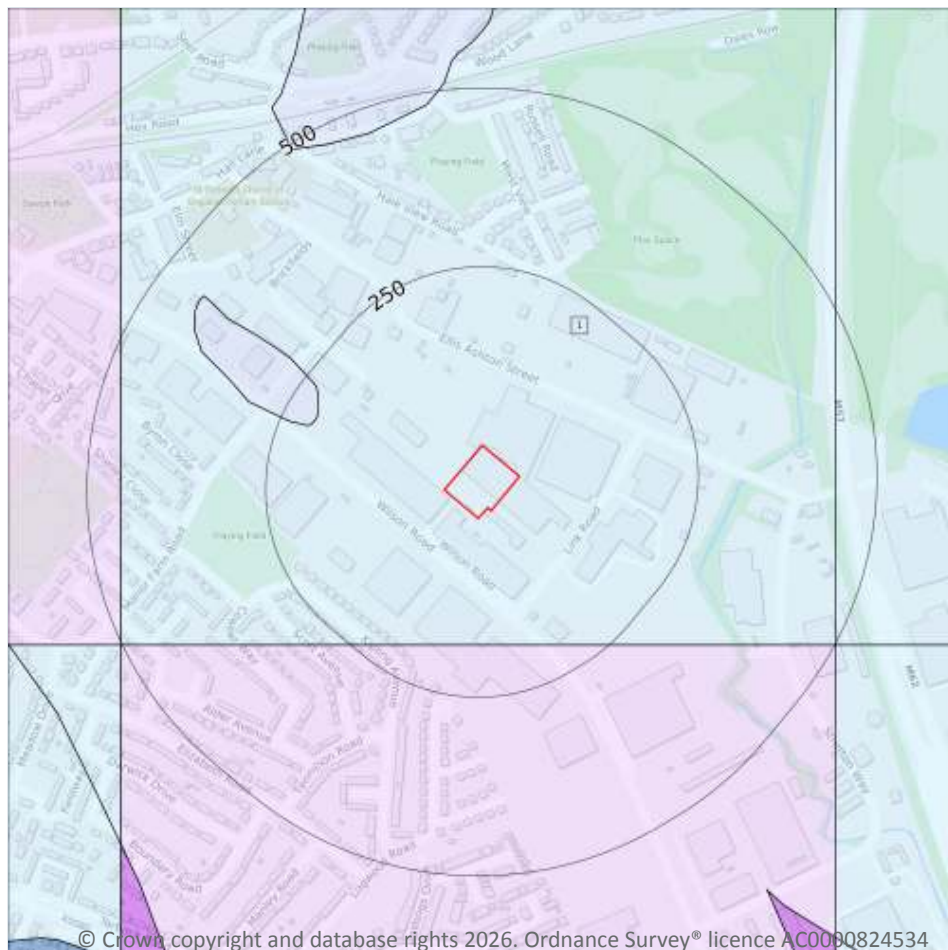
| ID | Location | Designation | Description                                                                                                                                                                                                                            |
|----|----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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  | 177m 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 |

| ID | Location | Designation | Description                                                                                                                                                                                                                            |
|----|----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3  | 452m W   | Secondary A | Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers |

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



## Groundwater vulnerability



### 5.3 Groundwater vulnerability

#### Records within 50m

1

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

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

Features are displayed on the Groundwater vulnerability map on [page 83](#) >

| ID | Location | Summary                                                                                                                                                                                       | Soil / surface                                                                                                | Superficial geology                                                                                                                                     | Bedrock geology                                                                                                      |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer<br>- Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial<br>Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b><br><40%<br><b>Dilution value:</b> 300-<br>550mm/year | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> <3m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b><br>Secondary<br><b>Flow mechanism:</b> Well<br>connected fractures |

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

## 5.4 Groundwater vulnerability- soluble rock risk

|                        |          |
|------------------------|----------|
| <b>Records on site</b> | <b>0</b> |
|------------------------|----------|

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

|                        |          |
|------------------------|----------|
| <b>Records on site</b> | <b>0</b> |
|------------------------|----------|

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

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

## Abstractions and Source Protection Zones



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

### 5.6 Groundwater abstractions

Records within 2000m

0

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

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



## 5.7 Surface water abstractions

### Records within 2000m

4

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 85 >](#)

| ID | Location | Details                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                               |
|----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -  | 1525m SE | Status: Historical<br>Licence No: 2569028018<br>Details: Spray Irrigation - Direct<br>Direct Source: "Surface, Non-Tidal - North West Region"<br>Point: "OCHRE & DOG CLOG BRKS, TARBOCK HALL FARM, TARBOCK, PRESCOT"<br>Data Type: Line<br>Name: T H CRITCHLEY & SON<br>Easting: 346600<br>Northing: 389100 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 13/05/1976<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/04/1993<br>Version End Date: -      |
| -  | 1525m SE | Status: Historical<br>Licence No: 2569028018<br>Details: Spray Irrigation - Direct<br>Direct Source: Surface, Non-Tidal - North West Region<br>Point: OCHRE & DOG CLOG BRKS, TARBOCK HALL FARM, TARBOCK, PRESCOT<br>Data Type: Line<br>Name: T H CRITCHLEY & SON<br>Easting: 346600<br>Northing: 389100     | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 13/05/1976<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/04/1993<br>Version End Date: -      |
| -  | 1525m SE | Status: Historical<br>Licence No: 2569028018<br>Details: Spray Irrigation - Direct<br>Direct Source: Surface, Non-Tidal - North West Region<br>Point: OCHRE AND DOG CLOG BROOKS TARBOCK HALL FARM PRESCOT<br>Data Type: Line<br>Name: T H CRITCHLEY & SON<br>Easting: 346600<br>Northing: 389100            | Annual Volume (m <sup>3</sup> ): 2098<br>Max Daily Volume (m <sup>3</sup> ): 636<br>Original Application No: -<br>Original Start Date: 13/05/1976<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/04/1993<br>Version End Date: - |

| ID | Location | Details                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                           |
|----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -  | 1793m S  | Status: Historical<br>Licence No: 2569028018<br>Details: Spray Irrigation - Direct<br>Direct Source: Surface, Non-Tidal - North West Region<br>Point: OCHRE AND DOG CLOG BROOKS TARBOCK HALL FARM PRESCOT<br>Data Type: Line<br>Name: BELPOOL DEVELOPMENTS LTD<br>Easting: 346400<br>Northing: 388600 | Annual Volume (m <sup>3</sup> ): 2098<br>Max Daily Volume (m <sup>3</sup> ): 636<br>Original Application No: NPS/WR/006330<br>Original Start Date: 13/05/1976<br>Expiry Date: -<br>Issue No: 102<br>Version Start Date: 31/01/2011<br>Version End Date: - |

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

## 5.8 Potable abstractions

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

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

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

## 5.9 Source Protection Zones

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

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)

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

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

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

## 6 Hydrology



- 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

0

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

*This data is sourced from the Ordnance Survey®.*

### 6.2 Surface water features

Records within 250m

0

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.

*This data is sourced from the Ordnance Survey®.*

## 6.3 WFD Surface water body catchments

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

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 88](#) >

| ID | Location | Type  | Water body catchment               | Water body ID  | Operational catchment | Management catchment |
|----|----------|-------|------------------------------------|----------------|-----------------------|----------------------|
| A  | On site  | River | Prescot Brook (Logwood Mill Brook) | GB112069060710 | Ditton                | Mersey Lower         |

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

## 6.4 WFD Surface water bodies

|                           |          |
|---------------------------|----------|
| <b>Records identified</b> | <b>1</b> |
|---------------------------|----------|

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 88](#) >

| ID | Location | Type  | Name                               | Water body ID                    | Overall rating | Chemical rating | Ecological rating | Year |
|----|----------|-------|------------------------------------|----------------------------------|----------------|-----------------|-------------------|------|
| 5  | 293m E   | River | Prescot Brook (Logwood Mill Brook) | <a href="#">GB112069060710</a> ↗ | Poor           | Fail            | Poor              | 2019 |

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

## 6.5 WFD Groundwater bodies

### Records on site

**1**

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

Features are displayed on the Hydrology map on [page 88](#) >

| ID | Location | Name                                    | Water body ID                    | Overall rating | Chemical rating | Quantitative | Year |
|----|----------|-----------------------------------------|----------------------------------|----------------|-----------------|--------------|------|
| A  | On site  | Sankey and Glaze Carboniferous aquifers | <a href="#">GB41202G100100</a> ↗ | Poor           | Poor            | Good         | 2019 |

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



## 7 River and coastal flooding

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

Records within 50m

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

0

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

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

### 7.3 Flood Defences

Records within 250m

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

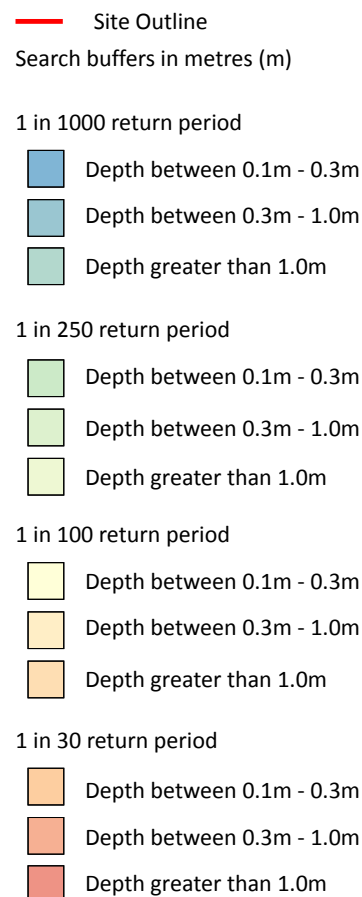
0

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, 0.1m - 0.3m**

**Highest risk within 50m**

**1 in 30 year, 0.3m - 1.0m**

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

Features are displayed on the Surface water flooding map on [page 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.

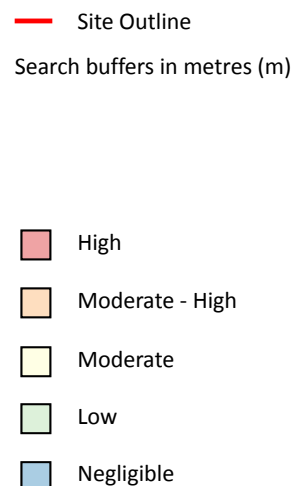
The table below shows the maximum flood depths for a range of return periods for the site.

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

*This data is sourced from Ambiantal Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

**Highest risk on site**

**Low**

**Highest risk within 50m**

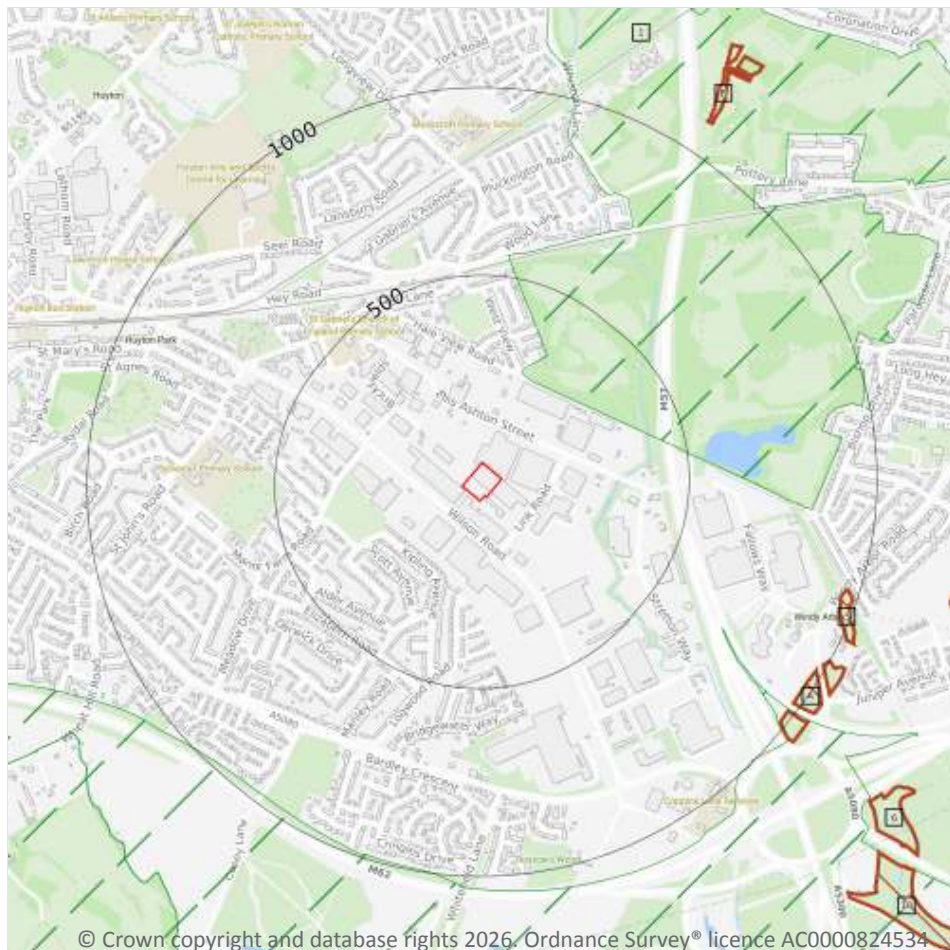
**Low**

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

Features are displayed on the Groundwater flooding map on [page 96](#) >

*This data is sourced from Ambiantal Risk Analytics.*

## 10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland
- Green Belt

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

Records within 2000m

0

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

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

## 10.2 Conserved wetland sites (Ramsar sites)

**Records within 2000m****0**

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

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

## 10.3 Special Areas of Conservation (SAC)

**Records within 2000m****0**

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

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

## 10.4 Special Protection Areas (SPA)

**Records within 2000m****0**

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

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

## 10.5 National Nature Reserves (NNR)

**Records within 2000m****0**

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

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

## 10.6 Local Nature Reserves (LNR)

**Records within 2000m****0**

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.

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

## 10.7 Designated Ancient Woodland

**Records within 2000m****31**

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                   |
|----|----------|---------------------|---------------------------------|
| 3  | 957m E   | Paradise Covert     | Ancient & Semi-Natural Woodland |
| A  | 978m SE  | Windy Arbor Brow 2  | Ancient & Semi-Natural Woodland |
| A  | 982m SE  | Windy Arbor Brow 1  | Ancient & Semi-Natural Woodland |
| A  | 990m SE  | Windy Arbor Brow 3  | Ancient & Semi-Natural Woodland |
| B  | 1091m NE | Stadt Moers Park    | Ancient & Semi-Natural Woodland |
| 5  | 1240m E  | Round Clump         | Ancient & Semi-Natural Woodland |
| B  | 1246m NE | Stadt Moers Park    | Ancient & Semi-Natural Woodland |
| B  | 1254m NE | Stadt Moers Park    | Ancient & Semi-Natural Woodland |
| 6  | 1303m SE | Dacres Bridge Wood  | Ancient & Semi-Natural Woodland |
| -  | 1325m E  | Halsnead Park 2     | Ancient & Semi-Natural Woodland |
| -  | 1354m W  | Ten Acre Pits       | Infilled Ancient Wood Pasture   |
| -  | 1382m SE | The Old Wood, North | Ancient & Semi-Natural Woodland |
| -  | 1382m SE | The Old Wood        | Ancient & Semi-Natural Woodland |
| -  | 1399m E  | Halsnead Park 1     | Ancient & Semi-Natural Woodland |
| 10 | 1410m SE | Dacres Bridge Bog   | Ancient & Semi-Natural Woodland |
| -  | 1416m E  | Halsnead Park       | Ancient & Semi-Natural Woodland |



| ID | Location | Name                           | Woodland Type                   |
|----|----------|--------------------------------|---------------------------------|
| -  | 1437m SE | The Old Wood, South            | Ancient & Semi-Natural Woodland |
| -  | 1438m SE | The Old Wood                   | Ancient & Semi-Natural Woodland |
| -  | 1451m E  | Princes House                  | Ancient Wood Pasture            |
| -  | 1601m N  | Woodland Adjacent Wards Farm   | Ancient & Semi-Natural Woodland |
| -  | 1603m E  | Lickers Lane Wood              | Ancient & Semi-Natural Woodland |
| -  | 1723m N  | The Hazels                     | Ancient & Semi-Natural Woodland |
| -  | 1737m N  | Hurst House                    | Ancient & Semi-Natural Woodland |
| -  | 1739m S  | Woodland Near Tarbock Hall     | Ancient & Semi-Natural Woodland |
| -  | 1755m N  | Woodland Adjacent Heather Brae | Ancient & Semi-Natural Woodland |
| -  | 1759m SE | Brook Covert                   | Ancient & Semi-Natural Woodland |
| -  | 1776m SE | Sour Hey Pit                   | Ancient & Semi-Natural Woodland |
| -  | 1777m SE | Brook Covert                   | Ancient & Semi-Natural Woodland |
| -  | 1805m W  | Rabbit Wood                    | Ancient & Semi-Natural Woodland |
| -  | 1924m E  | Sandfield Park                 | Ancient & Semi-Natural Woodland |
| -  | 1955m E  | Old Halsnead                   | Ancient & Semi-Natural 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

3

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  | 255m NE  | Merseyside and Greater Manchester Green Belt | Knowsley             |
| 2  | 710m SE  | Merseyside and Greater Manchester Green Belt | Knowsley             |
| 4  | 1227m SW | Merseyside and Greater Manchester Green Belt | Liverpool            |

*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****4**

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  | Dittton Brook (Halewood to Mersey Estuary) NVZ | Surface Water | 640    | Existing |
| 592m N   | ALT NVZ                                        | Surface Water | 642    | Existing |
| 1360m W  | Dittton Brook (Halewood to Mersey Estuary) NVZ | Surface Water | 640    | Existing |
| 1413m W  | ALT NVZ                                        | Surface Water | 642    | 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

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 103](#) >

| ID | Location | Type of developments requiring consultation                                                                                                                                                                                                                                     |
|----|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | <a href="https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0310000632050&amp;notes=&amp;location=350115,391151%20(IRZ%20polygon%20centre)">https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0310000632050&amp;notes=&amp;location=350115,391151%20(IRZ%20polygon%20centre)</a> |

This data is sourced from Natural England.



## 10.18 SSSI Units

Records within 2000m

0

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

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



## 11 Visual and cultural designations

### 11.1 World Heritage Sites

Records within 250m

0

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

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

### 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

### 11.3 National Parks

Records within 250m

0

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

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

### 11.4 Listed Buildings

Records within 250m

0

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



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

## 11.5 Conservation Areas

Records within 250m

0

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

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

## 11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

## 11.7 Registered Parks and Gardens

Records within 250m

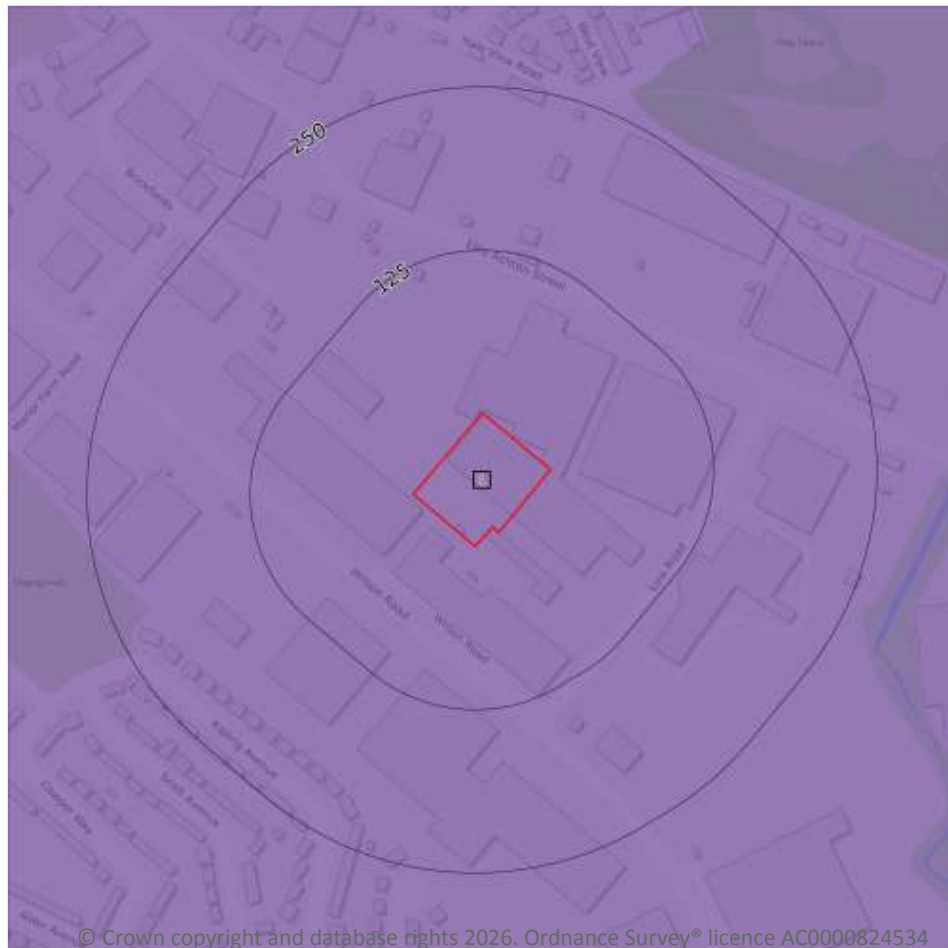
0

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

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



## 12 Agricultural designations



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

### 12.1 Agricultural Land Classification

Records within 250m

1

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 107](#) >

| ID | Location | Classification | Description                          |
|----|----------|----------------|--------------------------------------|
| 1  | On site  | Urban          | Non-agricultural/no quality assigned |

*This data is sourced from Natural England.*



## 12.2 Open Access Land

Records within 250m

0

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

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

## 12.3 Tree Felling Licences

Records within 250m

0

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

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

Records within 250m

0

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

*This data is sourced from Natural England.*

## 12.5 Countryside Stewardship Schemes

Records within 250m

0

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

*This data is sourced from Natural England.*

## 13 Habitat designations



- 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

1

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 109 >](#)

| ID | Location | Main Habitat       | Other habitats                  |
|----|----------|--------------------|---------------------------------|
| 1  | 163m NE  | 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

1

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 109 >](#)

| ID | Location | Site reference      | Identification confidence | Primary source                                         | Secondary source                   | Tertiary source |
|----|----------|---------------------|---------------------------|--------------------------------------------------------|------------------------------------|-----------------|
| 2  | 192m SW  | NLUD Ref: 430500009 | Low                       | National Land Use Database - Previously Developed Land | UK Perspectives Aerial Photography | -               |

*This data is sourced from Natural England.*

## 13.4 Limestone Pavement Orders

Records within 250m

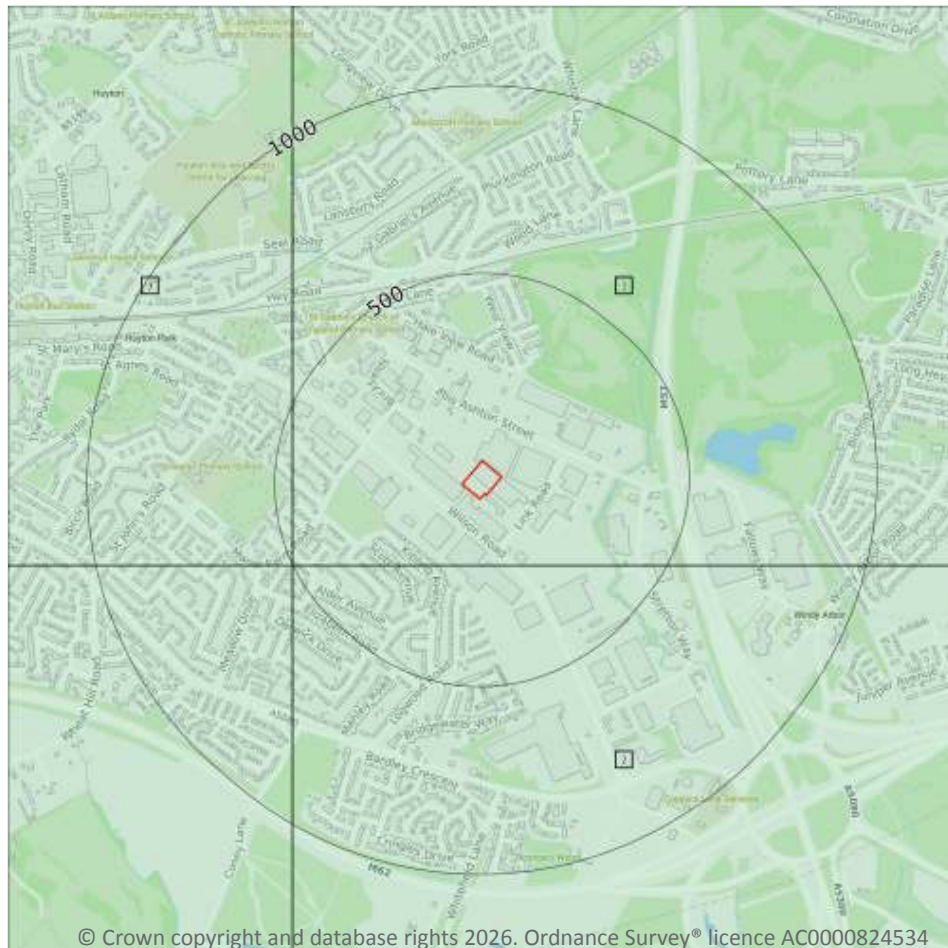
0

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

*This data is sourced from Natural England.*



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



— Site Outline  
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

### 14.1 10k Availability

#### Records within 500m

3

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.

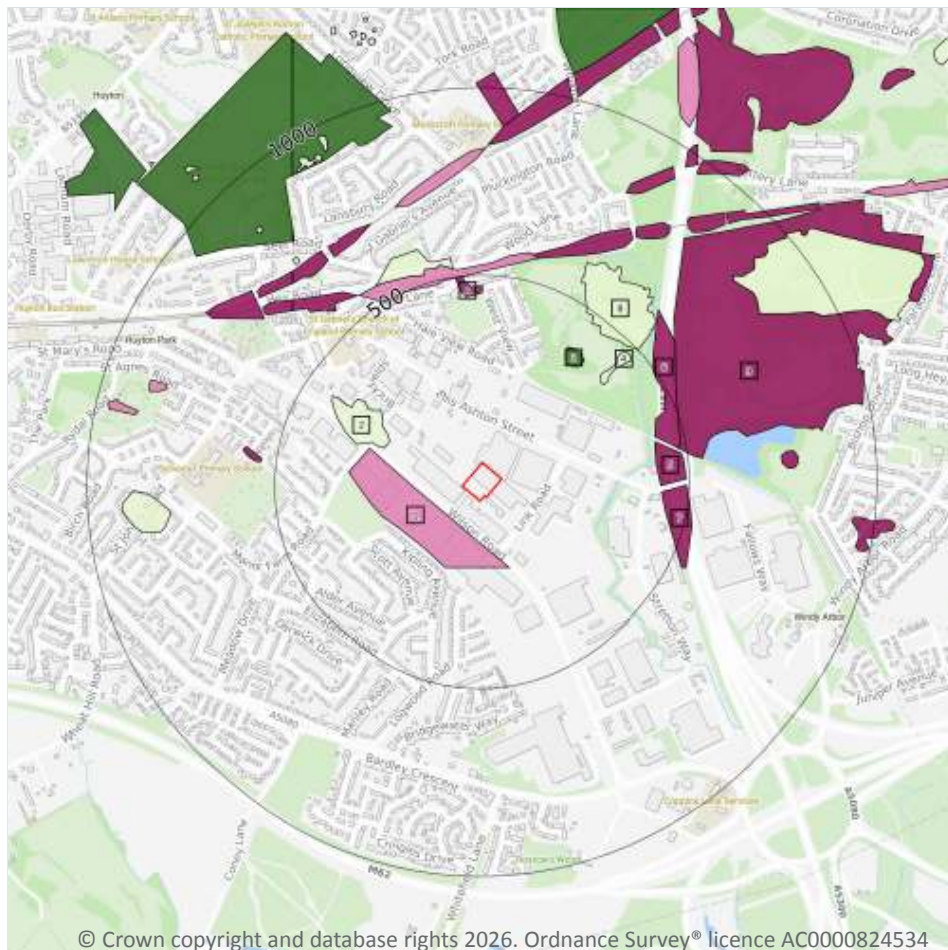
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 111](#) >

| ID | Location | Artificial  | Superficial | Bedrock | Mass movement | Sheet No. |
|----|----------|-------------|-------------|---------|---------------|-----------|
| 1  | On site  | Full        | Full        | Full    | No coverage   | SJ49SE    |
| 2  | 177m S   | No coverage | Full        | Full    | No coverage   | SJ48NE    |
| 3  | 452m W   | Full        | Full        | Full    | No coverage   | SJ49SW    |

*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

11

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 112](#) >

| ID | Location | LEX Code   | Description                   | Rock description             |
|----|----------|------------|-------------------------------|------------------------------|
| 1  | 85m SW   | WGR-VOID   | Worked Ground (Undivided)     | Void                         |
| 2  | 227m NW  | WMGR-ARTDP | Infilled Ground               | Artificial deposit           |
| 3  | 347m NE  | LSGR-ARTGR | Landscaped Ground (Undivided) | Artificially modified ground |
| 4  | 367m NE  | WMGR-ARTDP | Infilled Ground               | Artificial deposit           |

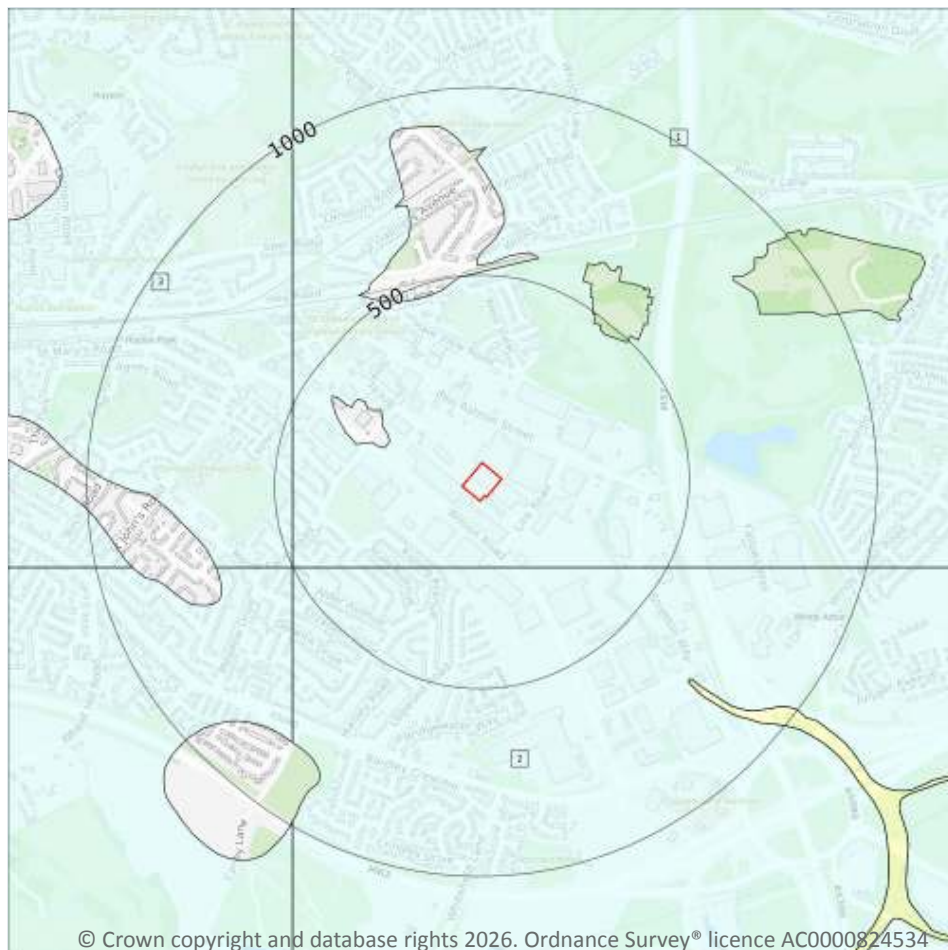


| ID | Location | LEX Code   | Description               | Rock description   |
|----|----------|------------|---------------------------|--------------------|
| 5  | 414m E   | MGR-ARTDP  | Made Ground (Undivided)   | Artificial deposit |
| 6  | 424m E   | MGR-ARTDP  | Made Ground (Undivided)   | Artificial deposit |
| 7  | 428m E   | MGR-ARTDP  | Made Ground (Undivided)   | Artificial deposit |
| A  | 444m N   | MGR-ARTDP  | Made Ground (Undivided)   | Artificial deposit |
| 8  | 466m NE  | WMGR-ARTDP | Infilled Ground           | Artificial deposit |
| 9  | 477m E   | MGR-ARTDP  | Made Ground (Undivided)   | Artificial deposit |
| A  | 490m N   | WGR-VOID   | Worked Ground (Undivided) | Void               |

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



## Geology 1:10,000 scale - Superficial



**Site Outline**

Search buffers in metres (m)

**Landslip (10k)**

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

### 14.3 Superficial geology (10k)

#### Records within 500m

3

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 114](#) >

| ID | Location | LEX Code   | Description               | Rock description |
|----|----------|------------|---------------------------|------------------|
| 1  | On site  | TILLD-DMTN | Till, Devensian-Diamicton | Diamicton        |
| 2  | 177m S   | TILLD-DMTN | Till, Devensian-Diamicton | Diamicton        |
| 3  | 452m W   | TILLD-DMTN | Till, Devensian-Diamicton | Diamicton        |

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

## 14.4 Landslip (10k)

Records within 500m

0

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

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



## Geology 1:10,000 scale - Bedrock



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

### 14.5 Bedrock geology (10k)

Records within 500m

19

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 116 >](#)

| ID | Location | LEX Code  | Description                                                             | Rock age    |
|----|----------|-----------|-------------------------------------------------------------------------|-------------|
| 1  | On site  | PLCM-MDSS | Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone | Westphalian |
| 2  | On site  | PLCM-SDST | Pennine Lower Coal Measures Formation-Sandstone                         | Westphalian |
| 3  | On site  | PLCM-MDSS | Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone | Westphalian |



| ID | Location | LEX Code  | Description                                                              | Rock age    |
|----|----------|-----------|--------------------------------------------------------------------------|-------------|
| 8  | 144m SE  | PLCM-MDSS | Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone  | Westphalian |
| 10 | 159m E   | PLCM-MDSS | Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone  | Westphalian |
| 12 | 177m S   | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone | Westphalian |
| 14 | 203m SE  | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone | Westphalian |
| 16 | 217m E   | PLCM-SDST | Pennine Lower Coal Measures Formation-Sandstone                          | Westphalian |
| 19 | 220m E   | PLCM-MDSS | Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone  | Westphalian |
| 23 | 239m SE  | PLCM-MDSS | Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone  | Westphalian |
| 25 | 253m W   | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone | Westphalian |
| 32 | 323m SE  | ETM-MDSC  | Etruria Formation-Mudstone, Sandstone And Conglomerate                   | Westphalian |
| 40 | 363m SE  | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone | Westphalian |
| 43 | 383m NW  | PLCM-SDST | Pennine Lower Coal Measures Formation-Sandstone                          | Westphalian |
| 44 | 398m SE  | PMCM-SDST | Pennine Middle Coal Measures Formation-Sandstone                         | Westphalian |
| 48 | 411m NE  | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone | Westphalian |
| 52 | 440m SE  | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone | Westphalian |
| 53 | 446m E   | PMCM-SDST | Pennine Middle Coal Measures Formation-Sandstone                         | Westphalian |
| 55 | 452m W   | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone | Westphalian |

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



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

### Records within 500m

**45**

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 116](#) >

| ID | Location | Category | Description                           |
|----|----------|----------|---------------------------------------|
| 4  | On site  | FAULT    | Fault, inferred, displacement unknown |
| 5  | On site  | ROCK     | Coal seam, inferred                   |
| 6  | 54m SW   | ROCK     | Coal seam, inferred                   |
| 7  | 134m W   | FAULT    | Fault, observed, displacement unknown |
| 9  | 144m SE  | ROCK     | Coal seam, inferred                   |
| 11 | 159m E   | FAULT    | Fault, inferred, displacement unknown |
| 13 | 179m S   | ROCK     | Coal seam, inferred                   |
| 15 | 203m SE  | FAULT    | Fault, inferred, displacement unknown |
| 17 | 217m E   | FAULT    | Fault, observed, displacement unknown |
| 18 | 218m W   | ROCK     | Coal seam, observed                   |
| 20 | 220m E   | ROCK     | Coal seam, inferred                   |
| 21 | 226m NW  | ROCK     | Coal seam, inferred                   |
| 22 | 226m W   | ROCK     | Coal seam, observed                   |
| 24 | 239m SE  | FAULT    | Fault, inferred, displacement unknown |
| 26 | 257m NE  | ROCK     | Coal seam, inferred                   |
| 27 | 271m NE  | ROCK     | Coal seam, inferred                   |
| 28 | 274m SE  | ROCK     | Coal seam, inferred                   |
| 29 | 307m SW  | ROCK     | Coal seam, inferred                   |
| 30 | 315m SE  | ROCK     | Coal seam, observed                   |
| 31 | 315m SW  | ROCK     | Coal seam, inferred                   |
| 33 | 323m SE  | FAULT    | Fault, inferred, displacement unknown |
| 34 | 329m NE  | ROCK     | Coal seam, observed                   |
| 35 | 331m N   | ROCK     | Coal seam, inferred                   |

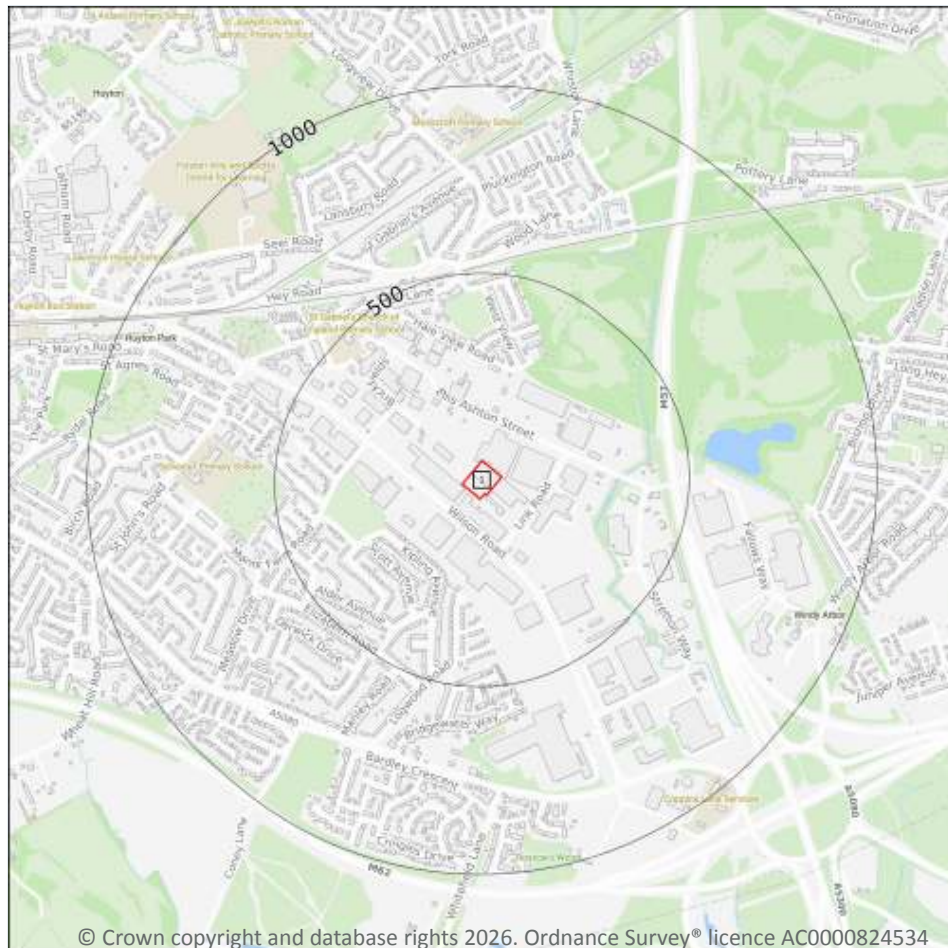


| ID | Location | Category | Description                           |
|----|----------|----------|---------------------------------------|
| 36 | 334m W   | ROCK     | Coal seam, inferred                   |
| 37 | 340m W   | ROCK     | Coal seam, inferred                   |
| 38 | 344m NE  | ROCK     | Coal seam, observed                   |
| 39 | 350m W   | FAULT    | Fault, inferred, displacement unknown |
| 41 | 363m SE  | FAULT    | Fault, inferred, displacement unknown |
| 42 | 376m W   | FAULT    | Fault, inferred, displacement unknown |
| 45 | 398m SE  | FAULT    | Fault, inferred, displacement unknown |
| 46 | 399m NE  | ROCK     | Coal seam, observed                   |
| 47 | 411m W   | FAULT    | Fault, inferred, displacement unknown |
| 49 | 411m NE  | FAULT    | Fault, inferred, displacement unknown |
| 50 | 417m W   | ROCK     | Coal seam, inferred                   |
| 51 | 422m NE  | FAULT    | Fault, inferred, displacement unknown |
| 54 | 452m W   | ROCK     | Coal seam, inferred                   |
| 56 | 454m W   | ROCK     | Coal seam, inferred                   |
| 57 | 458m E   | ROCK     | Coal seam, inferred                   |
| 58 | 462m W   | ROCK     | Coal seam, inferred                   |
| A  | 466m NE  | ROCK     | Coal seam, observed                   |
| A  | 466m NE  | ROCK     | Coal seam, observed                   |
| A  | 466m NE  | ROCK     | Coal seam, observed                   |
| 59 | 469m N   | ROCK     | Coal seam, inferred                   |
| 60 | 484m SW  | ROCK     | Coal seam, observed                   |
| 61 | 491m SE  | 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 120](#) >

| ID | Location | Artificial  | Superficial | Bedrock | Mass movement | Sheet No.        |
|----|----------|-------------|-------------|---------|---------------|------------------|
| 1  | On site  | No coverage | Full        | Full    | No coverage   | EW097_runcorn_v4 |

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



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

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

Records within 500m

0

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

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

### 15.3 Artificial ground permeability (50k)

Records within 50m

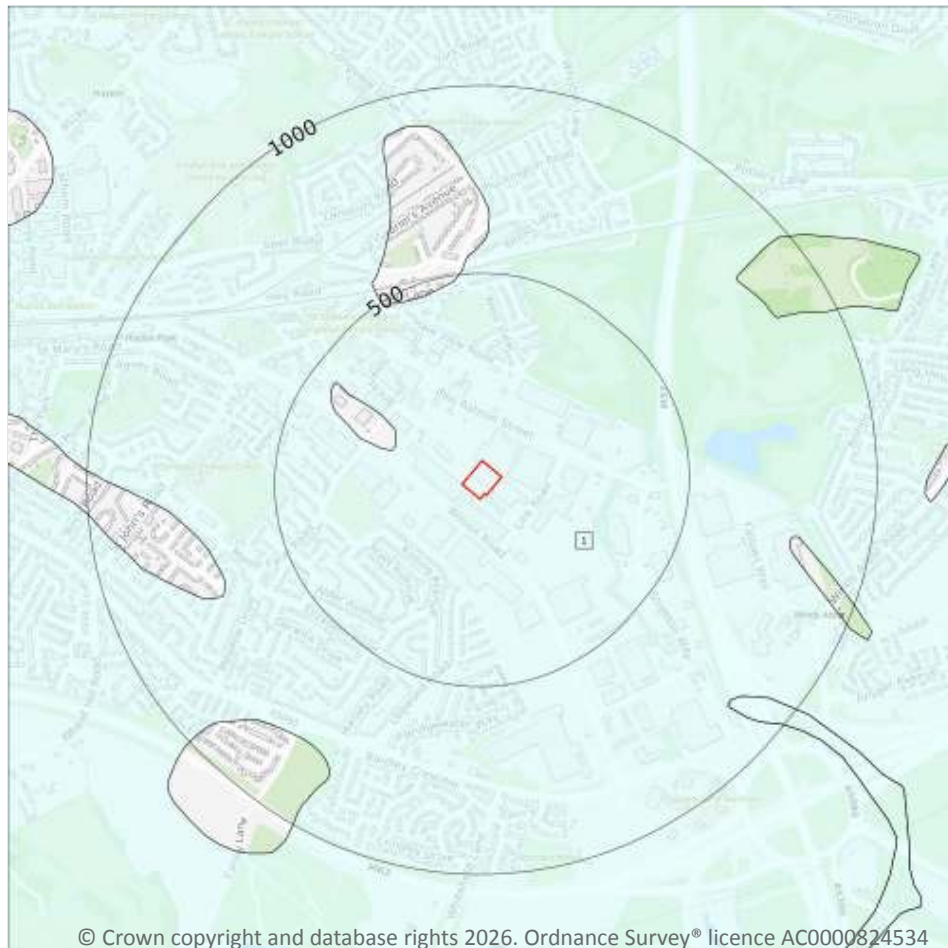
0

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

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



## Geology 1:50,000 scale - Superficial



**Site Outline**

Search buffers in metres (m)

**Landslip (50k)**

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

### 15.4 Superficial geology (50k)

#### Records within 500m

1

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 122 >](#)

| ID | Location | LEX Code   | Description     | Rock description |
|----|----------|------------|-----------------|------------------|
| 1  | On site  | TILLD-DMTN | Till, Devensian | Diamicton        |

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

## 15.5 Superficial permeability (50k)

**Records within 50m****1**

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

| Location | Flow type | Maximum permeability | Minimum permeability |
|----------|-----------|----------------------|----------------------|
| On site  | Mixed     | High                 | Low                  |

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

## 15.6 Landslip (50k)

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

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

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

## 15.7 Landslip permeability (50k)

**Records within 50m****0**

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

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



## Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

### 15.8 Bedrock geology (50k)

Records within 500m

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 124](#) >

| ID | Location | LEX Code  | Description                                                             | Rock age    |
|----|----------|-----------|-------------------------------------------------------------------------|-------------|
| 1  | On site  | PLCM-MDSS | Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone | Westphalian |
| 2  | On site  | PLCM-MDSS | Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone | Westphalian |

| ID | Location | LEX Code  | Description                                                              | Rock age    |
|----|----------|-----------|--------------------------------------------------------------------------|-------------|
| 8  | 156m E   | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone | Westphalian |
| 11 | 228m SE  | ETM-MDSC  | Etruria Formation-Mudstone, sandstone and conglomerate                   | Westphalian |
| 16 | 236m E   | PMCM-SDST | Pennine Middle Coal Measures Formation-Sandstone                         | Westphalian |
| 18 | 242m E   | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone | Westphalian |
| 20 | 250m E   | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone | Westphalian |
| 25 | 290m W   | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone | Westphalian |
| 27 | 336m SE  | PLCM-MDSS | Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone  | Westphalian |
| 31 | 390m NW  | PLCM-SDST | Pennine Lower Coal Measures Formation-Sandstone                          | Westphalian |
| 35 | 449m E   | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone | Westphalian |
| 39 | 456m E   | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone | Westphalian |
| 43 | 471m SE  | PMCM-MDSS | Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone | Westphalian |
| 45 | 479m E   | PMCM-SDST | Pennine Middle Coal Measures Formation-Sandstone                         | Westphalian |

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

## 15.9 Bedrock permeability (50k)

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

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

| Location       | Flow type       | Maximum permeability | Minimum permeability |
|----------------|-----------------|----------------------|----------------------|
| <b>On site</b> | <b>Fracture</b> | <b>Moderate</b>      | <b>Low</b>           |

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



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

### Records within 500m

**33**

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 124](#) >

| ID       | Location       | Category       | Description                                                          |
|----------|----------------|----------------|----------------------------------------------------------------------|
| <b>3</b> | <b>On site</b> | <b>FAULT</b>   | <b>Fault, inferred, crossmark on downthrow side, throw in metres</b> |
| 4        | 17m N          | ROCK           | Coal seam, inferred                                                  |
| 5        | 38m SW         | ROCK           | Coal seam, inferred                                                  |
| 6        | 111m W         | FAULT          | Fault, inferred, displacement unknown                                |
| 7        | 149m SE        | ROCK           | Coal seam, inferred                                                  |
| 9        | 156m E         | FAULT          | Fault, inferred, displacement unknown                                |
| 10       | 179m W         | FAULT          | Fault, inferred, displacement unknown                                |
| 12       | 228m SE        | FAULT          | Fault, inferred, crossmark on downthrow side, throw in metres        |
| 13       | 228m SE        | FAULT          | Fault, inferred, displacement unknown                                |
| 14       | 229m NW        | ROCK           | Coal seam, inferred                                                  |
| 15       | 236m NE        | ROCK           | Coal seam, inferred                                                  |
| 17       | 236m E         | FAULT          | Fault, inferred, crossmark on downthrow side, throw in metres        |
| 19       | 242m E         | ROCK           | Coal seam, inferred                                                  |
| 21       | 250m E         | FOSSIL_HORIZON | Marine band                                                          |
| 22       | 250m SE        | FAULT          | Fault, inferred, crossmark on downthrow side, throw in metres        |
| 23       | 266m NE        | ROCK           | Coal seam, inferred                                                  |
| 24       | 276m SE        | ROCK           | Coal seam, inferred                                                  |
| 26       | 290m W         | FOSSIL_HORIZON | Marine band                                                          |
| 28       | 336m SE        | FAULT          | Fault, inferred, displacement unknown                                |
| 29       | 336m SE        | FAULT          | Fault, inferred, crossmark on downthrow side, throw in metres        |
| 30       | 347m N         | ROCK           | Coal seam, inferred                                                  |
| 32       | 393m W         | ROCK           | Coal seam, inferred                                                  |
| 33       | 421m NE        | FAULT          | Fault, observed, crossmark on downthrow side, throw in metres        |



| ID | Location | Category       | Description                                                   |
|----|----------|----------------|---------------------------------------------------------------|
| 34 | 442m NE  | FAULT          | Fault, observed, crossmark on downthrow side, throw in metres |
| 36 | 449m E   | FAULT          | Fault, observed, crossmark on downthrow side, throw in metres |
| 37 | 449m E   | FAULT          | Fault, observed, crossmark on downthrow side, throw in metres |
| 38 | 456m SE  | ROCK           | Coal seam, inferred                                           |
| 40 | 456m E   | FOSSIL_HORIZON | Marine band                                                   |
| 41 | 457m NE  | ROCK           | Coal seam, inferred                                           |
| 42 | 462m W   | ROCK           | Coal seam, inferred                                           |
| 44 | 475m N   | ROCK           | Coal seam, inferred                                           |
| 46 | 479m E   | ROCK           | Coal seam, inferred                                           |
| 47 | 491m SW  | ROCK           | Coal seam, inferred                                           |

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



## 16 Boreholes

### 16.1 BGS Boreholes

Records within 250m

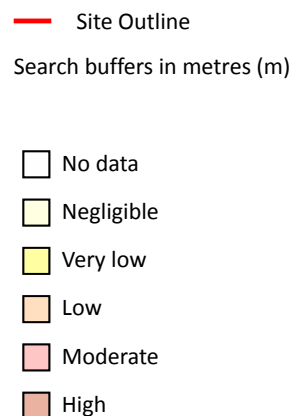
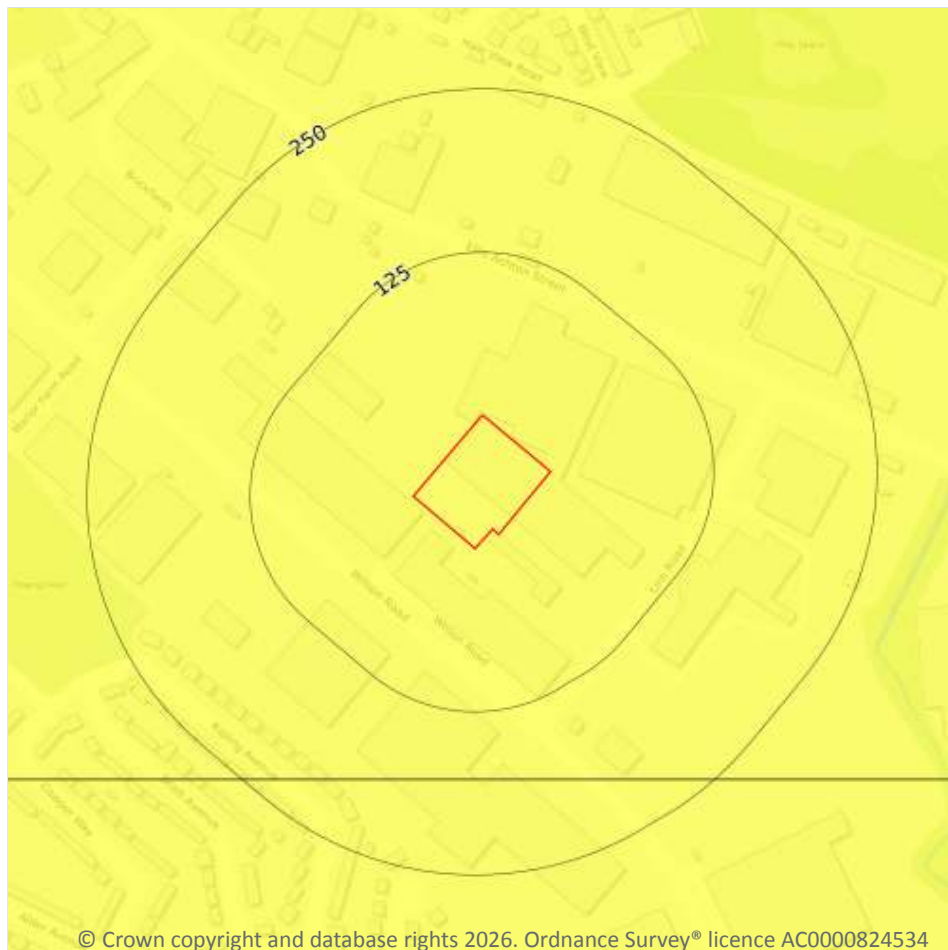
0

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

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



## 17 Natural ground subsidence - Shrink swell clays



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

### 17.1 Shrink swell clays

#### Records within 50m

1

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

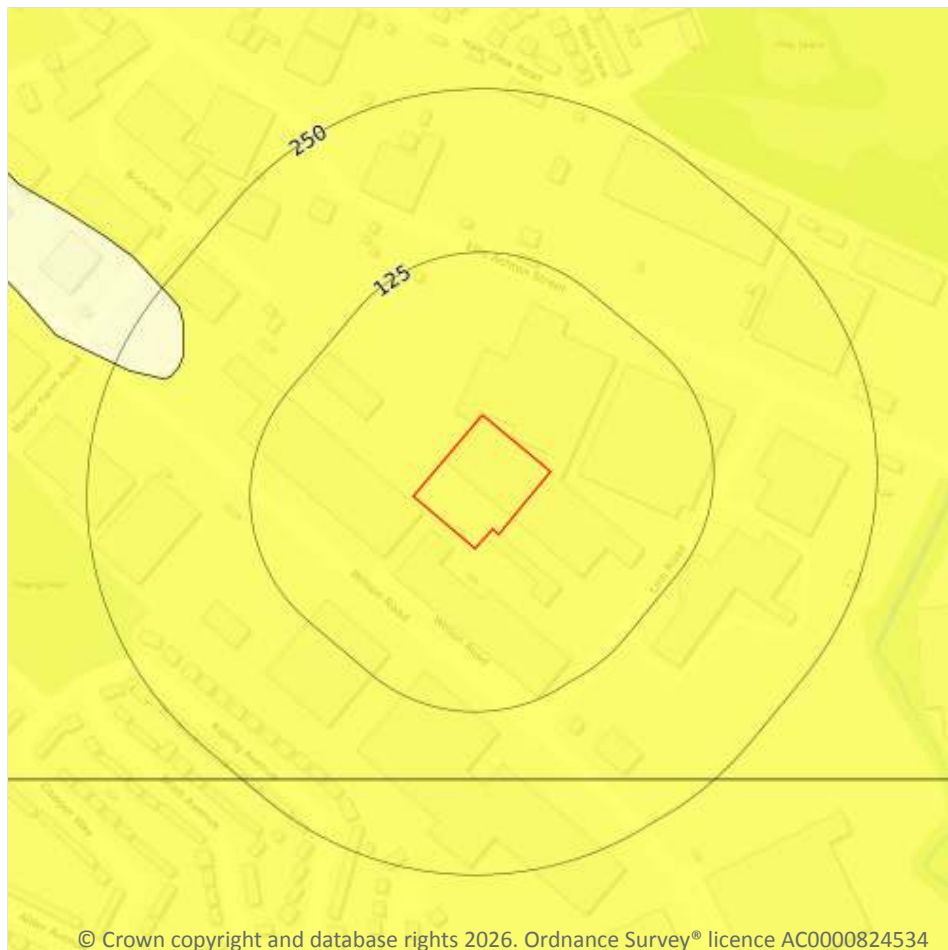
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 129 >](#)

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

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



## Natural ground subsidence - Running sands



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

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

### 17.2 Running sands

#### Records within 50m

1

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

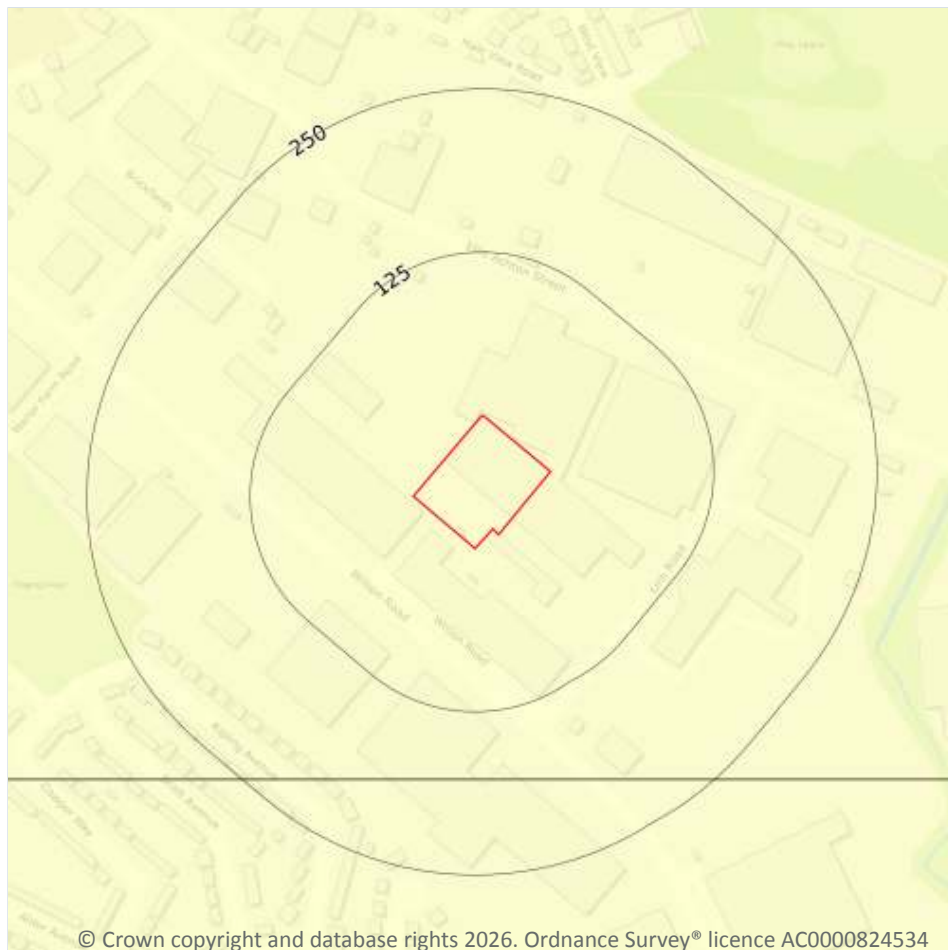
Features are displayed on the Natural ground subsidence - Running sands map on [page 130 >](#)

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

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



## Natural ground subsidence - Compressible deposits



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

### 17.3 Compressible deposits

#### Records within 50m

1

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

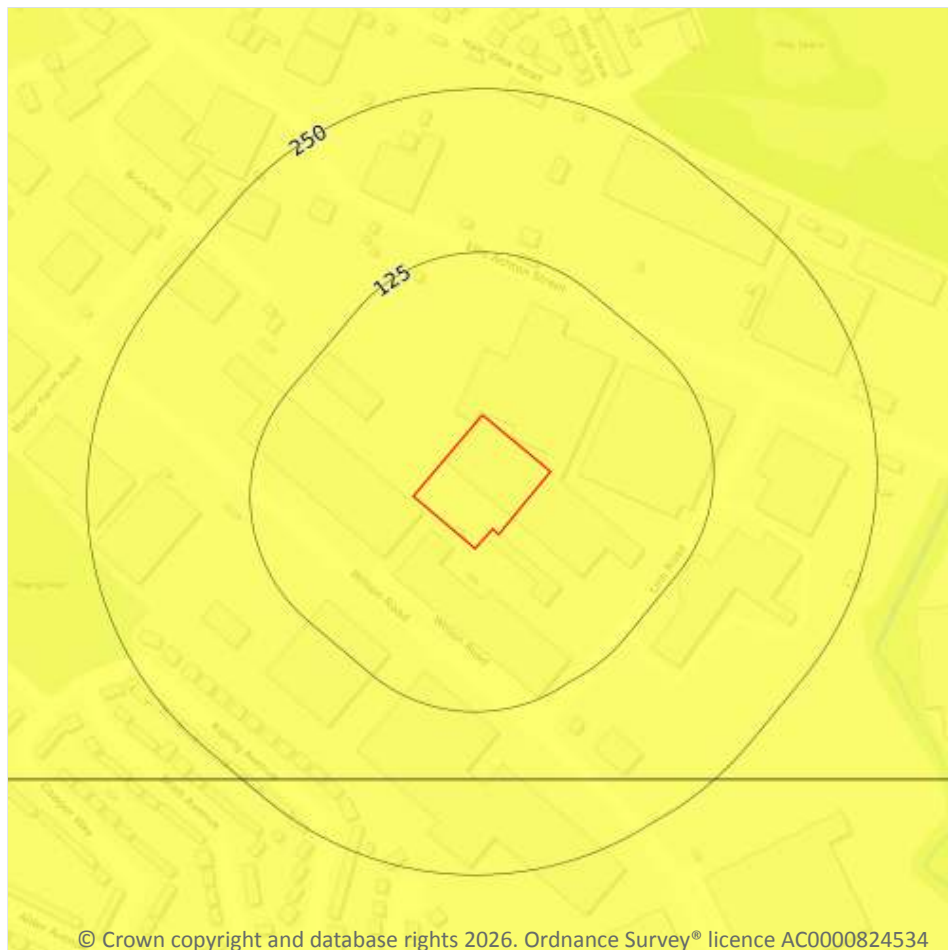
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 131](#) >

| Location | Hazard rating | Details                                       |
|----------|---------------|-----------------------------------------------|
| On site  | Negligible    | Compressible strata are not thought to occur. |

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



## Natural ground subsidence - Collapsible deposits



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

### 17.4 Collapsible deposits

#### Records within 50m

1

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

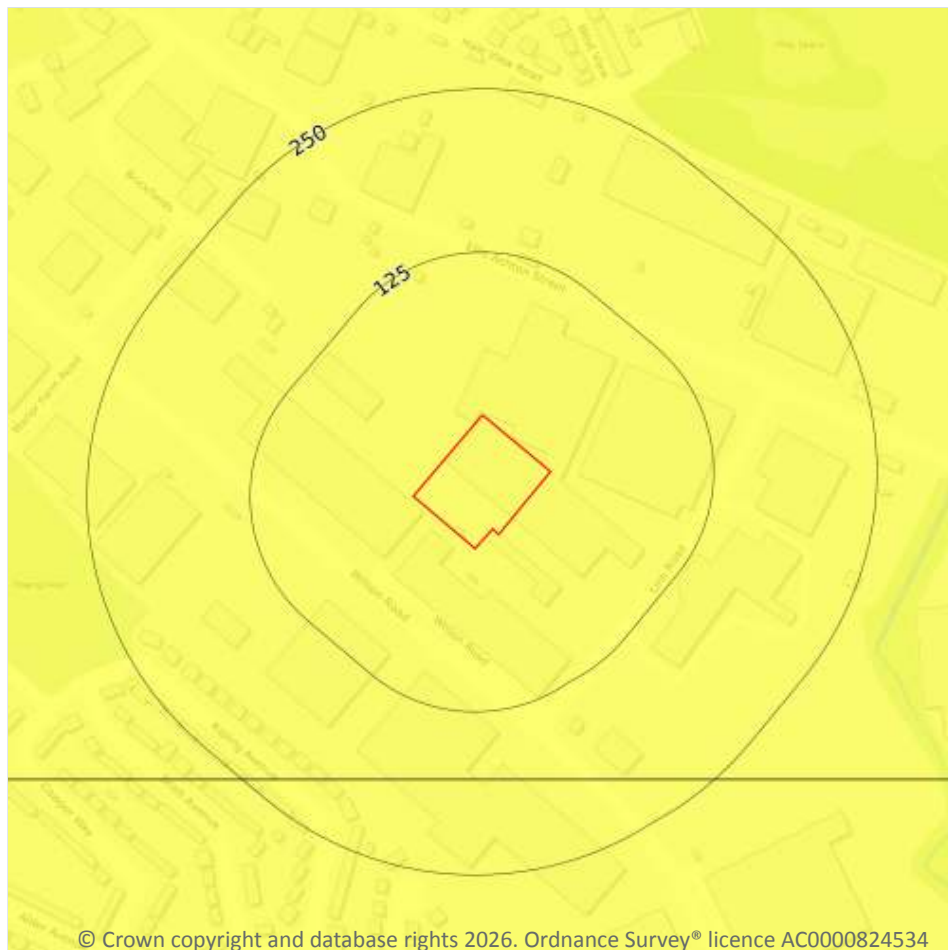
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 132 >](#)

| Location | Hazard rating | Details                                                                                   |
|----------|---------------|-------------------------------------------------------------------------------------------|
| On site  | Very low      | Deposits with potential to collapse when loaded and saturated are unlikely to be present. |

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



## Natural ground subsidence - Landslides



— Site Outline  
Search buffers in metres (m)

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

### 17.5 Landslides

#### Records within 50m

1

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

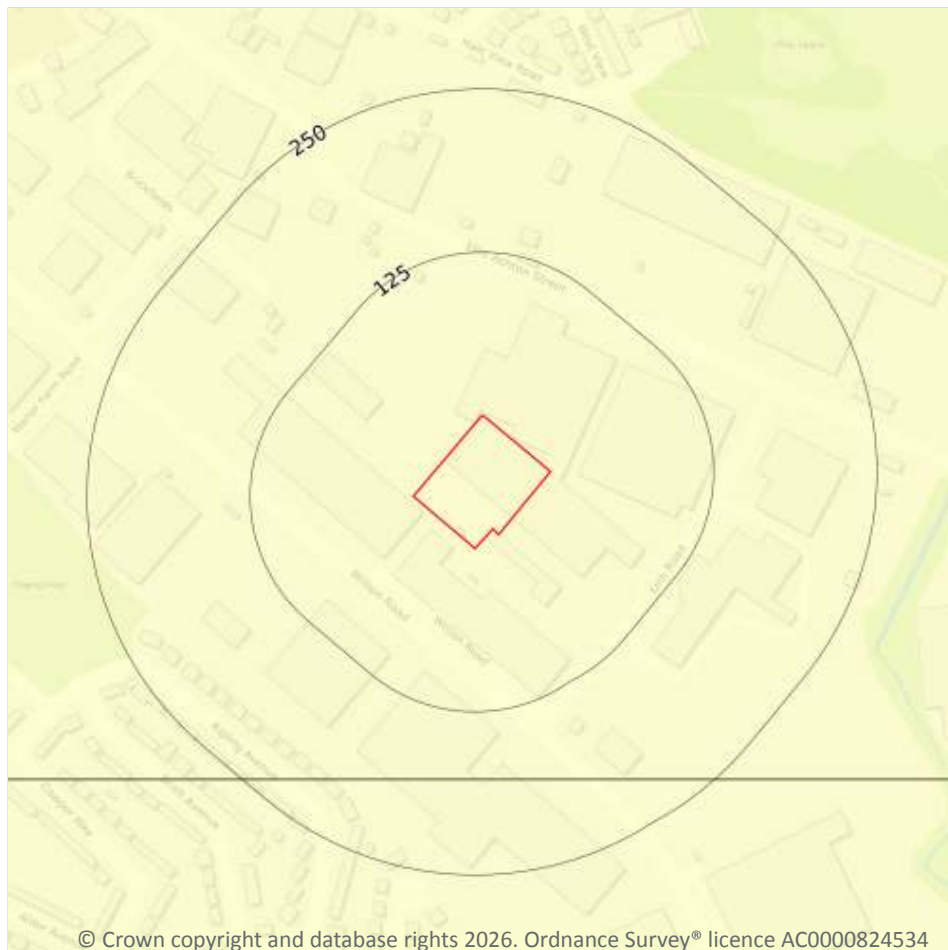
Features are displayed on the Natural ground subsidence - Landslides map on [page 133](#) >

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

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



## Natural ground subsidence - Ground dissolution of soluble rocks



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

### 17.6 Ground dissolution of soluble rocks

#### Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 134](#) >

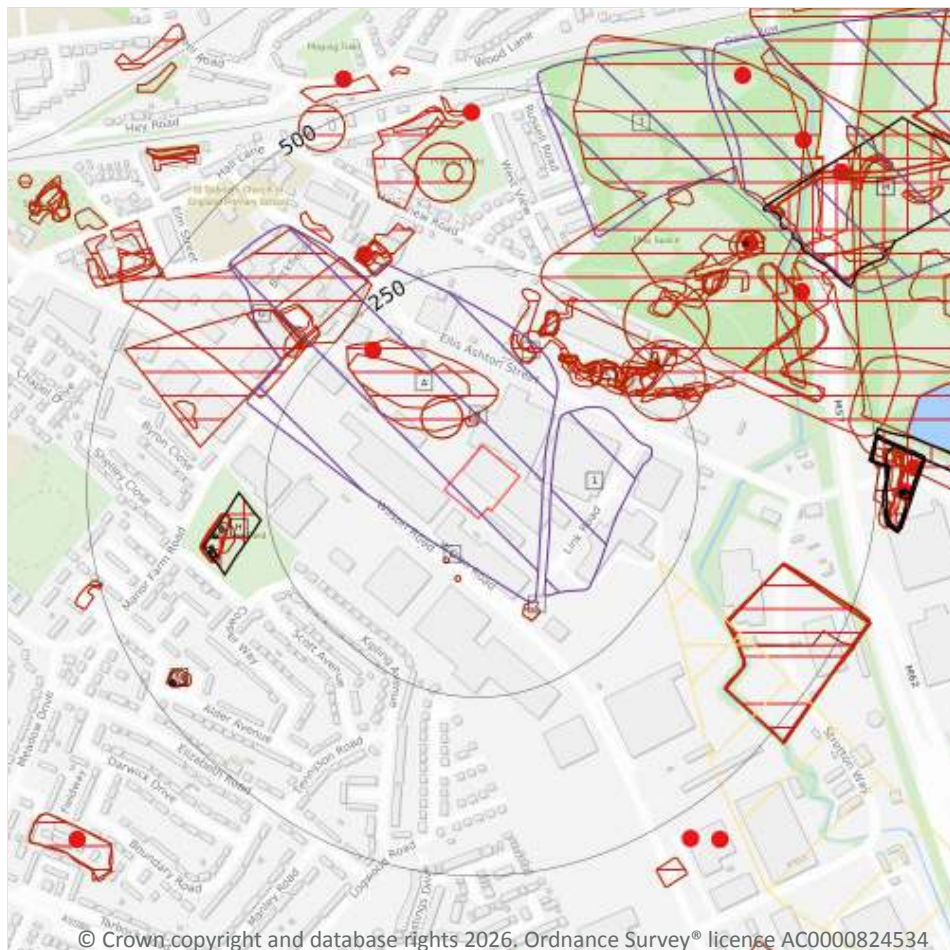
| Location | Hazard rating | Details                                                                                                                                             |
|----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|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



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



## 18 Mining and ground workings



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

### 18.1 BritPits

#### Records within 500m

5

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

Features are displayed on the Mining and ground workings map on [page 136](#) >



| ID | Location | Details                                                                                                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3  | 203m NW  | Name: Huyton Quarry Brickworks<br>Address: Derby Street, Huyton Quarry, HUYTON-WITH-ROBY, Merseyside<br>Commodity: Clay & Shale<br>Status: Ceased     | Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping.<br>Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.                                                                                                                                                                                                                                                                     |
| I  | 314m NW  | Name: Huyton Quarry Pottery<br>Address: Ellis Ashton Street, Huyton Quarry, HUYTON-WITH-ROBY, Merseyside<br>Commodity: Clay & Shale<br>Status: Ceased | Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping.<br>Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.                                                                                                                                                                                                                                                                     |
| F  | 459m NE  | Name: Huyton Hey Colliery<br>Address: Huyton Quarry, HUYTON-WITH-ROBY, Merseyside<br>Commodity: Coal, Deep<br>Status: Ceased                          | Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed 'Quarry' or 'Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document.<br>Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority. |
| O  | 466m N   | Name: Huyton Quarry Station<br>Address: Huyton Quarry, HUYTON-WITH-ROBY, Merseyside<br>Commodity: Sandstone<br>Status: Ceased                         | Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping.<br>Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.                                                                                                                                                                                                                                                                     |



| ID | Location | Details                                                                                                                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|----------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| K  | 472m NE  | Name: Huyton Hey Colliery<br>Address: Huyton Quarry, HUYTON-WITH-ROBY,<br>Merseyside<br>Commodity: Coal, Deep<br>Status: Ceased | Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed 'Quarry' or 'Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority. |

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

## 18.2 Surface ground workings

Records within 250m

34

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

Features are displayed on the Mining and ground workings map on [page 136](#) >

| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| B  | 30m N    | Unspecified Pit             | 1966            | 1:10560       |
| B  | 39m NW   | Unspecified Quarry          | 1978            | 1:10000       |
| B  | 39m NW   | Unspecified Quarry          | 1990            | 1:10000       |
| A  | 42m NW   | Unspecified Pit             | 1966            | 1:10560       |
| C  | 70m SW   | Coal Pits                   | 1850            | 1:10560       |
| A  | 73m N    | Pond                        | 1966            | 1:10560       |
| C  | 85m S    | Coal Pits                   | 1850            | 1:10560       |
| D  | 129m NE  | Ponds                       | 1956            | 1:10560       |
| D  | 132m NE  | Unspecified Ground Workings | 1906            | 1:10560       |
| 2  | 138m SE  | Unspecified Heap            | 1966            | 1:10560       |
| D  | 147m NE  | Unspecified Ground Workings | 1891            | 1:10560       |
| E  | 148m NE  | Unspecified Ground Workings | 1906            | 1:10560       |



| ID | Location | Land Use                     | Year of mapping | Mapping scale |
|----|----------|------------------------------|-----------------|---------------|
| E  | 160m NE  | Unspecified Ground Workings  | 1925            | 1:10560       |
| E  | 161m NE  | Unspecified Ground Workings  | 1938            | 1:10560       |
| E  | 161m NE  | Unspecified Ground Workings  | 1938            | 1:10560       |
| E  | 162m NE  | Unspecified Ground Workings  | 1925            | 1:10560       |
| E  | 163m NE  | Unspecified Ground Workings  | 1956            | 1:10560       |
| D  | 173m NE  | Pond                         | 1925            | 1:10560       |
| D  | 176m NE  | Pond                         | 1938            | 1:10560       |
| D  | 176m NE  | Pond                         | 1956            | 1:10560       |
| D  | 177m NE  | Pond                         | 1925            | 1:10560       |
| E  | 185m NE  | Pond                         | 1906            | 1:10560       |
| E  | 188m NE  | Unspecified Quarry           | 1906            | 1:10560       |
| E  | 188m NE  | Pond                         | 1891            | 1:10560       |
| E  | 200m NE  | Pond                         | 1925            | 1:10560       |
| E  | 200m NE  | Pond                         | 1850            | 1:10560       |
| E  | 200m NE  | Ponds                        | 1956            | 1:10560       |
| E  | 223m NE  | Pond                         | 1891            | 1:10560       |
| F  | 230m NE  | Unspecified Disused Workings | 1966            | 1:10560       |
| E  | 232m NE  | Ponds                        | 1925            | 1:10560       |
| E  | 238m NE  | Unspecified Quarry           | 1947            | 1:10560       |
| E  | 238m NE  | Unspecified Quarry           | 1925            | 1:10560       |
| E  | 238m NE  | Pond                         | 1891            | 1:10560       |
| G  | 250m NW  | Brick Fields                 | 1978            | 1:10000       |

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

## 18.3 Underground workings

**Records within 1000m**

**45**

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

Features are displayed on the Mining and ground workings map on [page 136 >](#)



| ID | Location | Land Use                  | Year of mapping | Mapping scale |
|----|----------|---------------------------|-----------------|---------------|
| H  | 260m W   | Colliery                  | 1891            | 1:10560       |
| H  | 313m W   | Unspecified Old Shafts    | 1956            | 1:10560       |
| H  | 324m W   | Unspecified Old Shafts    | 1956            | 1:10560       |
| H  | 329m W   | Unspecified Old Shafts    | 1956            | 1:10560       |
| H  | 332m W   | Unspecified Old Shaft     | 1925            | 1:10560       |
| H  | 332m W   | Unspecified Old Shaft     | 1906            | 1:10560       |
| F  | 451m NE  | Unspecified Old Shaft     | 1891            | 1:10560       |
| N  | 463m SW  | Unspecified Old Shaft     | 1925            | 1:10560       |
| N  | 463m SW  | Unspecified Old Shaft     | 1906            | 1:10560       |
| P  | 490m E   | Old Colliery              | 1947            | 1:10560       |
| P  | 490m E   | Old Colliery              | 1925            | 1:10560       |
| P  | 490m E   | Old Colliery              | 1906            | 1:10560       |
| P  | 490m E   | Old Colliery              | 1891            | 1:10560       |
| P  | 494m E   | Old Colliery              | 1956            | 1:10560       |
| R  | 502m E   | Disused Colliery          | 1947            | 1:10560       |
| R  | 502m E   | Disused Colliery          | 1925            | 1:10560       |
| M  | 506m NE  | Disused Colliery          | 1906            | 1:10560       |
| P  | 511m E   | Unspecified Disused Mine  | 1966            | 1:10560       |
| P  | 532m E   | Unspecified Old Shaft     | 1947            | 1:10560       |
| P  | 532m E   | Unspecified Old Shaft     | 1925            | 1:10560       |
| P  | 534m E   | Unspecified Disused Shaft | 1966            | 1:10560       |
| P  | 535m E   | Unspecified Old Shaft     | 1956            | 1:10560       |
| -  | 690m E   | Colliery                  | 1891            | 1:10560       |
| -  | 703m E   | Disused Colliery          | 1906            | 1:10560       |
| -  | 707m E   | Unspecified Disused Mine  | 1966            | 1:10560       |
| AB | 739m NE  | Colliery                  | 1891            | 1:10560       |
| -  | 753m E   | Unspecified Old Shaft     | 1956            | 1:10560       |
| -  | 792m E   | Unspecified Shafts        | 1891            | 1:10560       |



| ID | Location | Land Use                   | Year of mapping | Mapping scale |
|----|----------|----------------------------|-----------------|---------------|
| -  | 804m E   | Unspecified Old Shafts     | 1947            | 1:10560       |
| -  | 804m E   | Unspecified Old Shafts     | 1925            | 1:10560       |
| -  | 806m E   | Unspecified Old Shaft      | 1956            | 1:10560       |
| -  | 806m E   | Unspecified Old Shafts     | 1947            | 1:10560       |
| -  | 806m E   | Unspecified Old Shafts     | 1925            | 1:10560       |
| -  | 807m E   | Unspecified Old Shaft      | 1956            | 1:10560       |
| -  | 808m E   | Unspecified Disused Shaft  | 1966            | 1:10560       |
| -  | 808m E   | Unspecified Disused Shaft  | 1966            | 1:10560       |
| -  | 845m NE  | Unspecified Old Shaft      | 1925            | 1:10560       |
| -  | 863m E   | Old Colliery               | 1891            | 1:10560       |
| -  | 875m E   | Old Colliery               | 1906            | 1:10560       |
| -  | 969m E   | Unspecified Old Shaft      | 1956            | 1:10560       |
| -  | 971m E   | Unspecified Disused Shafts | 1966            | 1:10560       |
| -  | 985m E   | Unspecified Old Shafts     | 1947            | 1:10560       |
| -  | 985m E   | Unspecified Old Shafts     | 1925            | 1:10560       |
| -  | 986m E   | Unspecified Disused Shafts | 1966            | 1:10560       |
| -  | 986m E   | Unspecified Old Shaft      | 1956            | 1:10560       |

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

## 18.4 Underground mining extents

**Records within 500m**

**0**

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

*This data is sourced from Groundsure.*



## 18.5 Historical Mineral Planning Areas

### Records within 500m

**3**

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

Features are displayed on the Mining and ground workings map on [page 136 >](#)

| ID       | Location       | Site Name     | Mineral                    | Type                           | Planning Status | Planning Status Date   |
|----------|----------------|---------------|----------------------------|--------------------------------|-----------------|------------------------|
| <b>A</b> | <b>On site</b> | <b>Huyton</b> | <b>Clay, shale, bricks</b> | <b>Surface mineral working</b> | <b>Valid</b>    | <b>31/5/48,12/5/50</b> |
| 1        | 45m E          | Huyton        | Clay, shale, bricks        | Surface mineral working        | Valid           | 31/5/48,12/5/50        |
| 7        | 334m NE        | Whiston       | Clay, shale, bricks        | Surface mineral working        | Valid           | 7/7/47,25/9/52         |

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

## 18.6 Non-coal mining

### Records within 1000m

**2**

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

Features are displayed on the Mining and ground workings map on [page 136 >](#)

| ID | Location | Name          | Commodity    | Class | Likelihood                                                                                                                                                                                                     |
|----|----------|---------------|--------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4  | 228m SE  | Not available | Vein Mineral | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 6  | 325m SE  | Not available | Vein Mineral | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |

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



## 18.7 JPB mining areas

### Records on site

**0**

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

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

## 18.8 The Coal Authority non-coal mining

### Records within 500m

**0**

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

*This data is sourced from The Coal Authority.*

## 18.9 Researched mining

### Records within 500m

**0**

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

*This data is sourced from Groundsure.*

## 18.10 Mining record office plans

### Records within 500m

**0**

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

*This data is sourced from Groundsure.*



## 18.11 BGS mine plans

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

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

*This data is sourced from Groundsure.*

## 18.12 Coal mining

**Records on site****1**

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

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

*This data is sourced from the Coal Authority.*

## 18.13 Brine areas

**Records on site****0**

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

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

## 18.14 Gypsum areas

**Records on site****0**

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.15 Tin mining

**Records on site****0**

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*



## 18.16 Clay mining

### Records on site

**0**

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

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



## 19 Ground cavities and sinkholes

### 19.1 Natural cavities

Records within 500m

0

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

*This data is sourced from Stantec UK Ltd.*

### 19.2 Mining cavities

Records within 1000m

0

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

*This data is sourced from Stantec UK Ltd.*

### 19.3 Reported recent incidents

Records within 500m

0

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

*This data is sourced from Groundsure.*

### 19.4 Historical incidents

Records within 500m

0

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

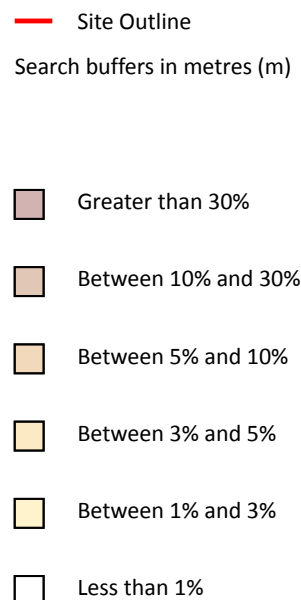
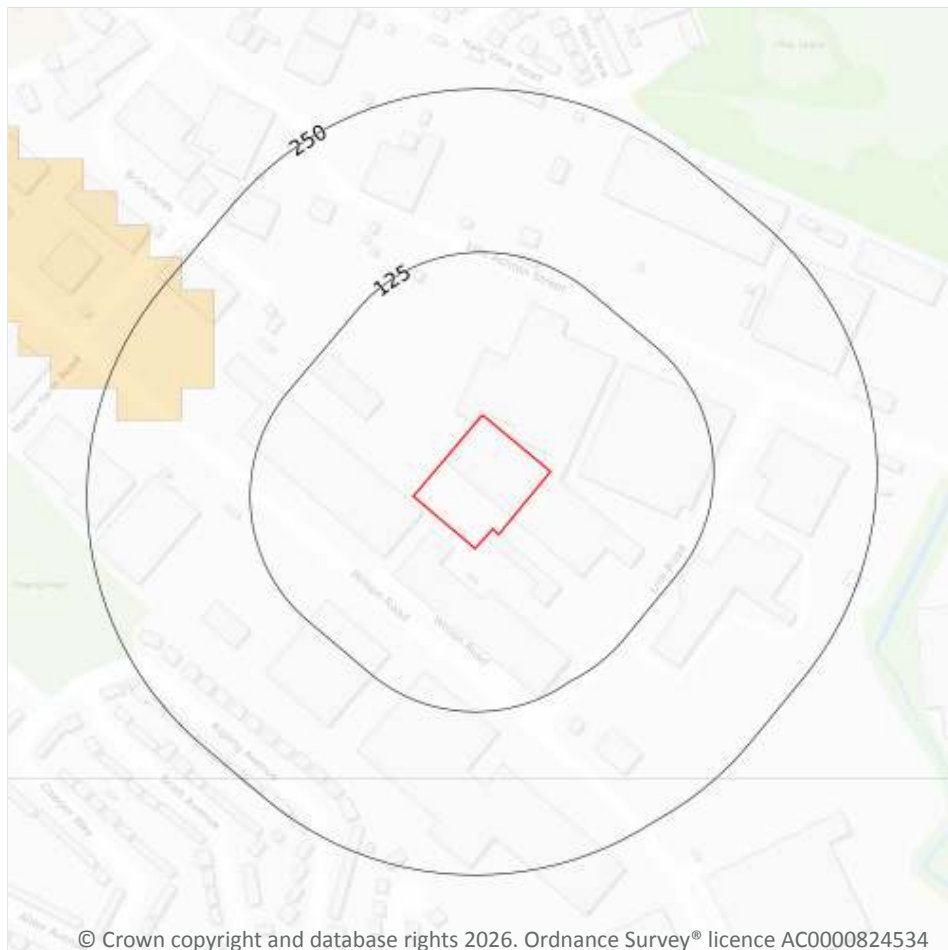
Not all 'holes' noted on Ordnance Survey® mapping will necessarily be present within this dataset.



*This data is sourced from Groundsure.*



## 20 Radon



### 20.1 Radon

#### Records on site

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 148](#) >

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



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



## 21 Soil chemistry

### 21.1 BGS Estimated Background Soil Chemistry

Records within 50m

4

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

| Location | Arsenic       | Bioaccessible Arsenic | Lead            | Bioaccessible Lead | Cadmium         | Chromium       | Nickel        |
|----------|---------------|-----------------------|-----------------|--------------------|-----------------|----------------|---------------|
| On site  | 15 - 25 mg/kg | No data               | 200 - 300 mg/kg | 120 - 240 mg/kg    | 1.8 - 2.2 mg/kg | 90 - 120 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       | 90 - 120 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 200 - 300 mg/kg | 120 - 240 mg/kg    | 1.8 - 2.2 mg/kg | 90 - 120 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       | 90 - 120 mg/kg | 15 - 30 mg/kg |

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

### 21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

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



## 21.3 BGS Measured Urban Soil Chemistry

Records within 50m

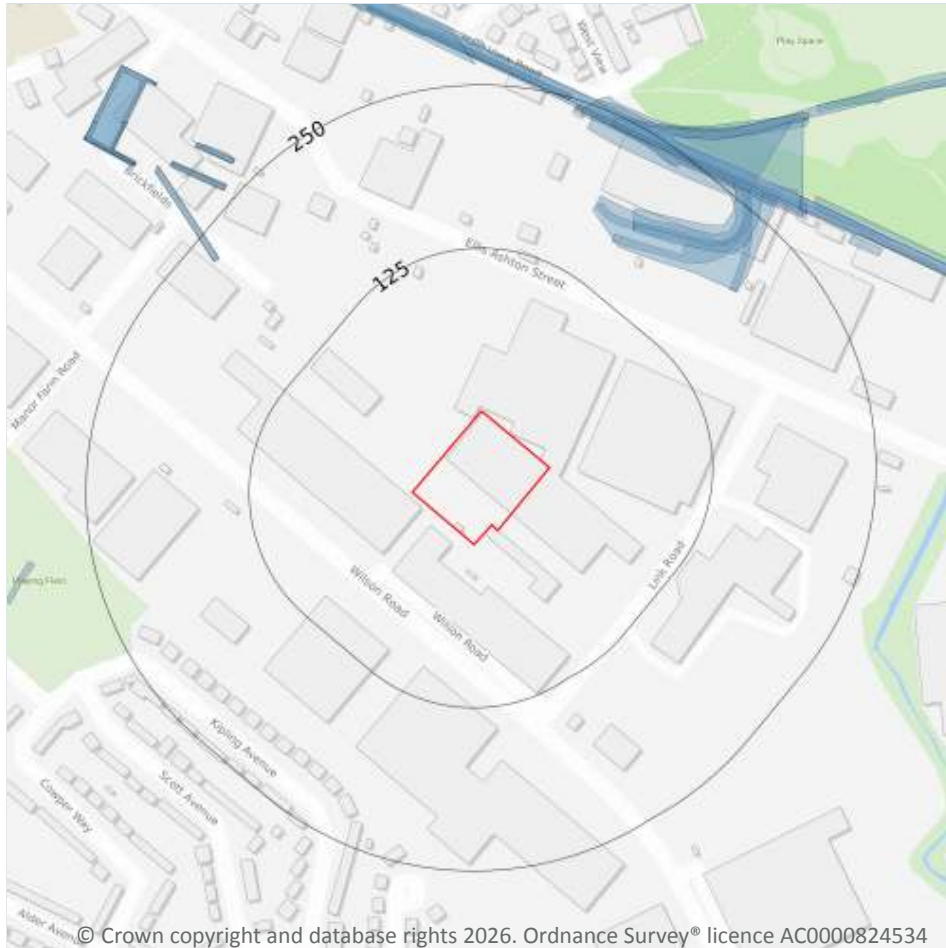
0

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

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



## 22 Railway infrastructure and projects



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

### 22.1 Underground railways (London)

Records within 250m

0

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

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

### 22.2 Underground railways (Non-London)

Records within 250m

0

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



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

## 22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey® mapping.

*This data is sourced from the Ordnance Survey®.*

## 22.4 Historical railway and tunnel features

Records within 250m

12

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

Features are displayed on the Railway infrastructure and projects map on [page 152 >](#)

| Location | Land Use                | Year of mapping | Mapping scale |
|----------|-------------------------|-----------------|---------------|
| 164m NE  | Railway Sidings         | 1906            | 10560         |
| 164m NE  | Mineral Railway Sidings | 1907            | 2500          |
| 180m NE  | Railway Sidings         | 1891            | 10560         |
| 183m NE  | Mineral Railway Sidings | 1892            | 2500          |
| 229m NW  | Railway Sidings         | 1960            | 2500          |
| 229m NW  | Railway Sidings         | 1957            | 2500          |
| 240m NE  | Railway Sidings         | 1956            | 10560         |
| 242m NE  | Mineral Railway Sidings | 1938            | 10560         |
| 244m NE  | Railway Sidings         | 1850            | 10560         |
| 248m N   | Mineral Railway Sidings | 1956            | 1250          |
| 248m N   | Mineral Railway Sidings | 1970            | 2500          |
| 248m N   | Railway Sidings         | 1957            | 2500          |

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



## 22.5 Royal Mail tunnels

**Records within 250m****0**

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

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

## 22.6 Historical railways

**Records within 250m****0**

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

*This data is sourced from OpenStreetMap.*

## 22.7 Railways

**Records within 250m****0**

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

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

## 22.8 Crossrail 2

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

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

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

## 22.9 HS2

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

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

*This data is sourced from HS2 Ltd.*



## Data providers

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

## Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: [www.groundsure.com/terms-and-conditions-april-2023/](https://www.groundsure.com/terms-and-conditions-april-2023/) ↗.



**COAL AUTHORITY  
CONSULTANTS COAL MINING REPORT**



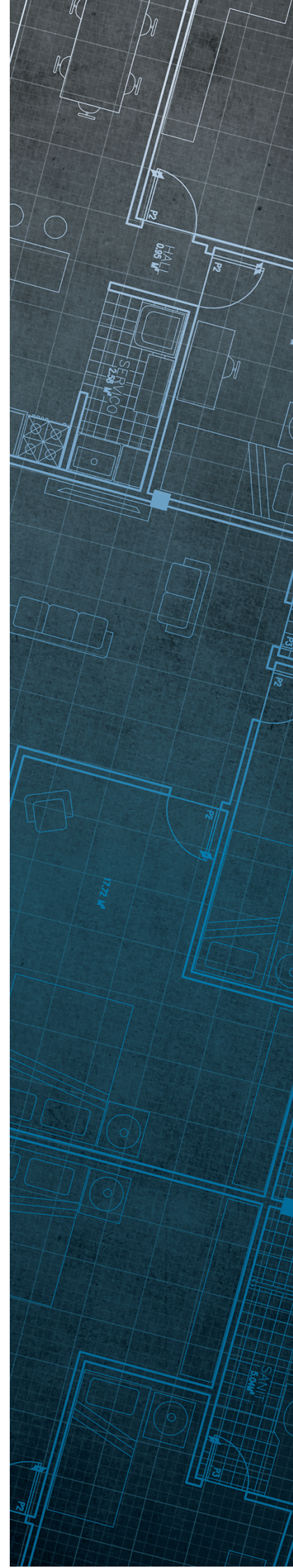
The Coal  
Authority

# Consultants Coal Mining Report

LAND AT Link Road  
Huyton  
Knowsley  
L36 6AP

|                        |               |
|------------------------|---------------|
| Date of enquiry:       | 10 March 2026 |
| Date enquiry received: | 10 March 2026 |
| Issue date:            | 10 March 2026 |

|                 |                |
|-----------------|----------------|
| Our reference:  | 51003557697001 |
| Your reference: | 8362           |



# 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

SUB SURFACE LIMITED

### Enquiry address

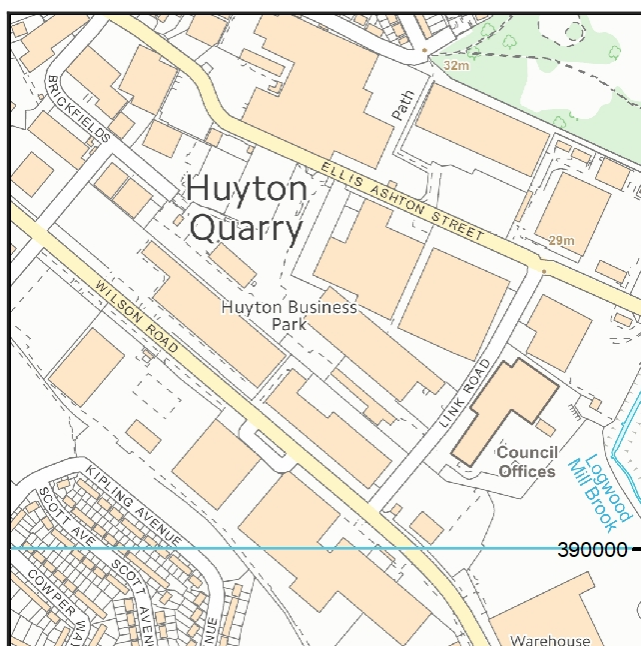
LAND AT Link Road  
Huyton  
Knowsley  
L36 6AP

### How to contact us

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

200 Lichfield Lane  
Mansfield  
Nottinghamshire  
NG18 4RG

[reports@miningremediation.gov.uk](mailto:reports@miningremediation.gov.uk)



Approximate position of property



Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved.

Ordnance Survey Licence number: AC0000820577

# Section 1 – Mining activity and geology

## Past underground mining

No past mining recorded.

## 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      | 345390-009 | 345443 390101  | Treatment details unknown.* | Coal    |                      |

\*For your information, before the coal industry was nationalised in 1947, there was no requirement for a mine operator to record mine entry treatment details when a mine was abandoned. Therefore, it is not unusual for us to have no treatment details for many of the 176,000 recorded mine entries on our database. Despite this lack of information, please be assured that the fact we have no treatment recorded does not necessarily mean that the mine entry was left untreated when abandoned.

## Abandoned mine plan catalogue numbers

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

|       |  |  |
|-------|--|--|
| 16820 |  |  |
|-------|--|--|

For assistance in identifying the specific abandoned mine plans relevant to your requirements, **please contact us at [InformationManagers@MiningRemediation.gov.uk](mailto:InformationManagers@MiningRemediation.gov.uk)**.

## Outcrops

| Seam name | Mineral | Seam workable | Distance to outcrop (m) | Direction to outcrop | Bearing of outcrop |
|-----------|---------|---------------|-------------------------|----------------------|--------------------|
| SIR JOHN  | Coal    | Yes           | Within                  | N/A                  | 70                 |

## Geological faults, fissures and breaklines

Please refer to the 'Summary of findings' map (on separate sheet) for details of any geological faults, fissures or breaklines either within or intersecting the enquiry boundary.

Fault under or close to the property recorded.

### **Opencast mines**

Please refer to the "Summary of findings" map (on separate sheet) for details of any opencast areas 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

None recorded within 50 metres of the enquiry boundary.

### Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

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.

### 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 not in an area where a notice to withdraw support has been given.

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

Based on the responses in this report, no further information has been highlighted.

### 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.

## 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 **email us at [reports@miningremediation.gov.uk](mailto:reports@miningremediation.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.

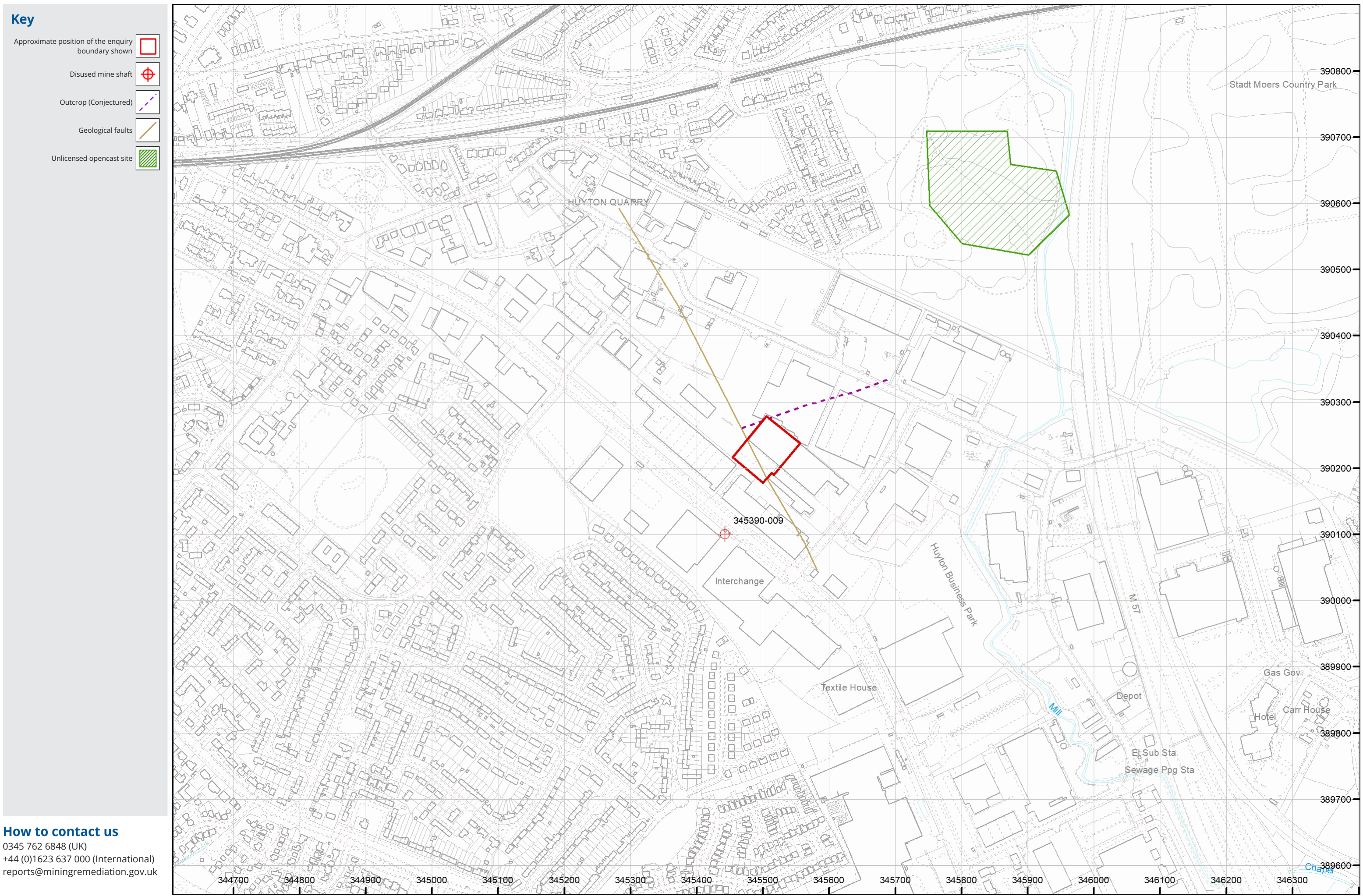
### **Withdrawal of support notices**

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.



## **SMALL SCALE SURVEY PLANS**



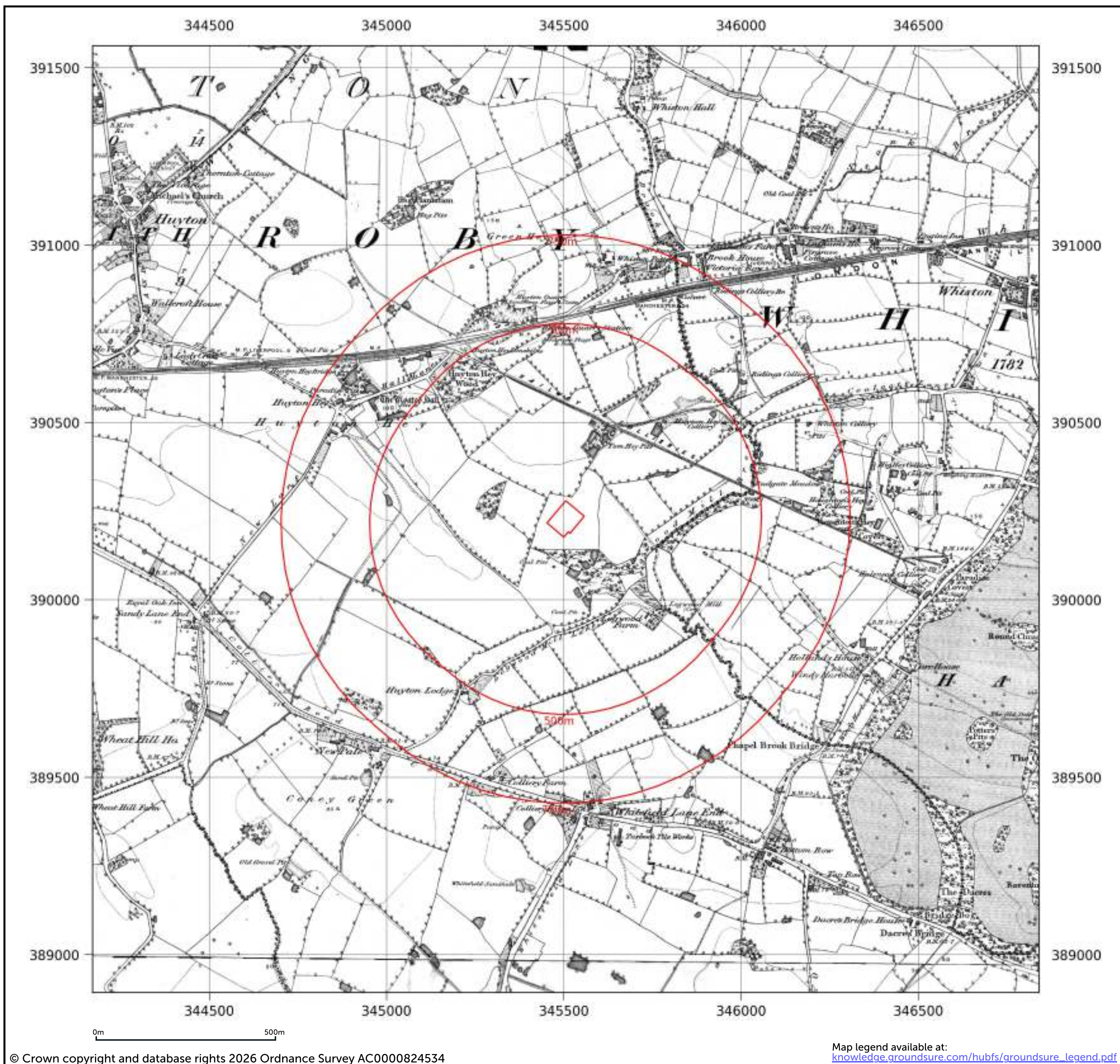
|                  |                                               |
|------------------|-----------------------------------------------|
| Site details:    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| Client ref:      | CMAPS-CM-1267507-4199-100326                  |
| Report ref:      | CMAPS-CM-1267507-4199-100326HIS               |
| Grid ref:        | 345504.9, 390227                              |
| Production date: | 10 March 2026                                 |

|             |               |
|-------------|---------------|
| Map name:   | County Series |
| Map date:   | 1849-1850     |
| Scale:      | 1:10,560      |
| Printed at: | 1:10,560      |



|                                               |
|-----------------------------------------------|
| Date: 1850<br>Surveyed: 1847<br>Edition: 1850 |
| Date: 1849<br>Surveyed: 1846<br>Edition: 1849 |

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)





In partnership with



|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

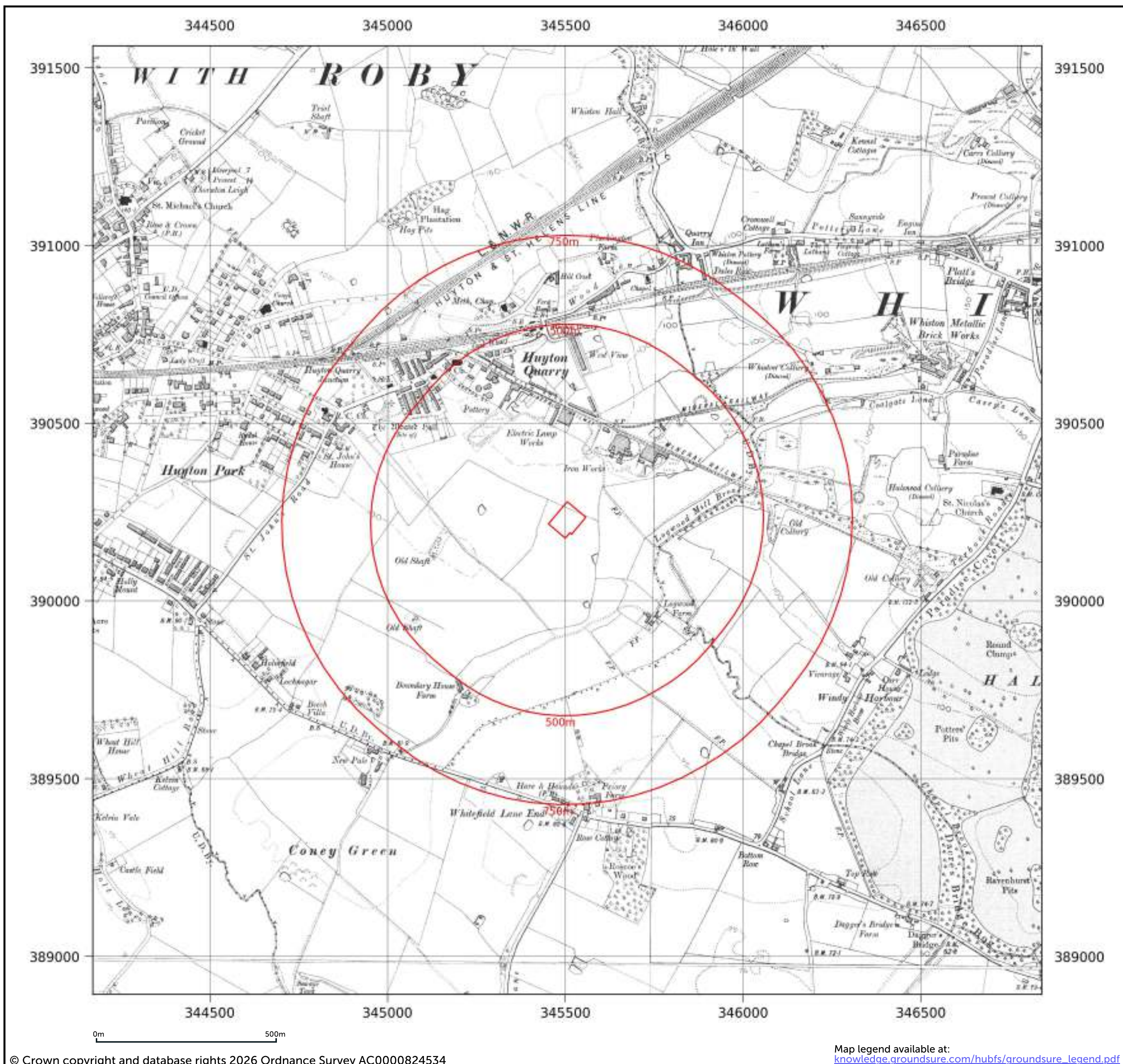
|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | County Series |
| <b>Map date:</b>   | 1904-1906     |
| <b>Scale:</b>      | 1:10,560      |
| <b>Printed at:</b> | 1:10,560      |



|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Date: 1906<br>Surveyed: 1891<br>Revised: 1906 | Date: 1906<br>Surveyed: 1891<br>Revised: 1906 |
| Date: 1904<br>Surveyed: 1891<br>Revised: 1904 | Date: 1905<br>Surveyed: 1891<br>Revised: 1905 |

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

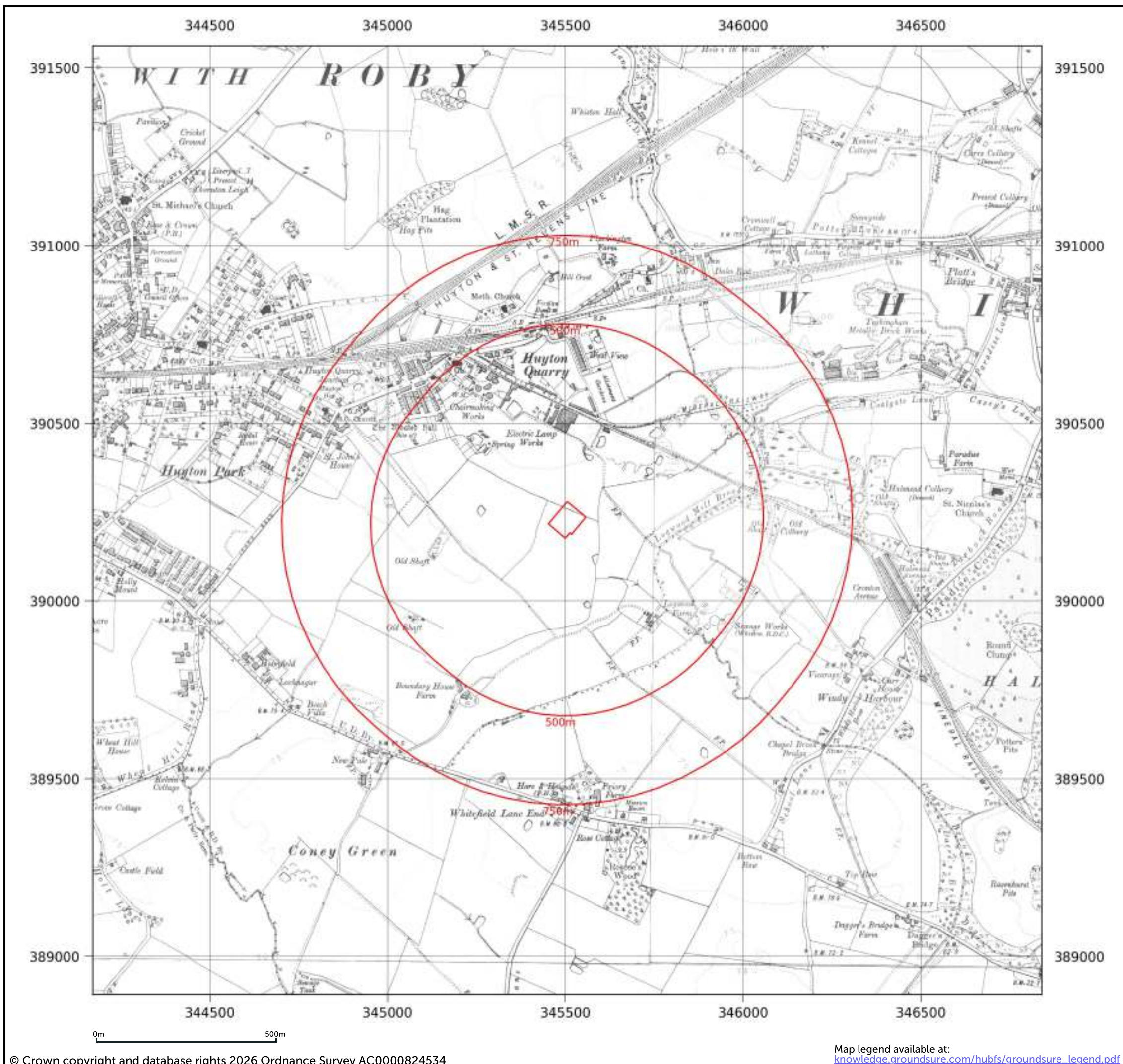
|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | County Series |
| <b>Map date:</b>   | 1925          |
| <b>Scale:</b>      | 1:10,560      |
| <b>Printed at:</b> | 1:10,560      |

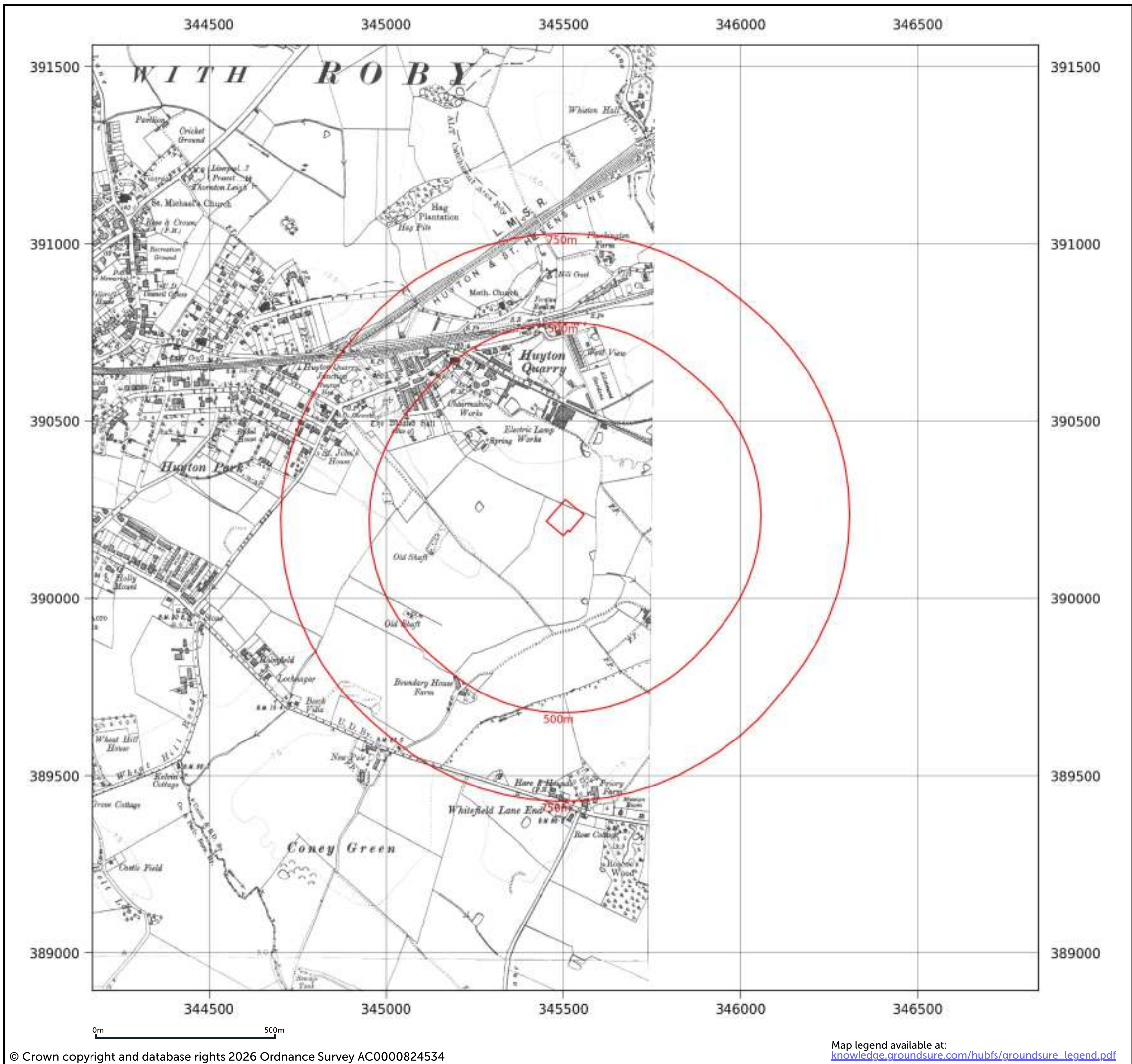


|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Date: 1925<br>Surveyed: 1848<br>Revised: 1925 | Date: 1925<br>Surveyed: 1846<br>Revised: 1925 |
| Date: 1925<br>Surveyed: 1846<br>Revised: 1925 | Date: 1925<br>Surveyed: 1846<br>Revised: 1925 |

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)





In partnership with



|                                                                                                                                 |                                               |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Site details:                                                                                                                   | Land at Link Road, Liverpool, Huyton, L36 6AP |
| Client ref:                                                                                                                     | CMAPS-CM-1267507-4199-100326                  |
| Report ref:                                                                                                                     | CMAPS-CM-1267507-4199-100326HIS               |
| Grid ref:                                                                                                                       | 345504.9, 390227                              |
| Production date:                                                                                                                | 10 March 2026                                 |
| Map name:                                                                                                                       | County Series                                 |
| Map date:                                                                                                                       | 1925                                          |
| Scale:                                                                                                                          | 1:10,560                                      |
| Printed at:                                                                                                                     | 1:10,560                                      |
| <div><div>Date: 1925<br/>Surveyed: 1848<br/>Revised: 1925</div><div>Date: 1925<br/>Surveyed: 1846<br/>Revised: 1925</div></div> |                                               |



Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



**Site details:** Land at Link Road, Liverpool, Huyton, L36 6AP  
**Client ref:** CMAPS-CM-1267507-4199-100326  
**Report ref:** CMAPS-CM-1267507-4199-100326HIS  
**Grid ref:** 345504.9, 390227  
**Production date:** 10 March 2026

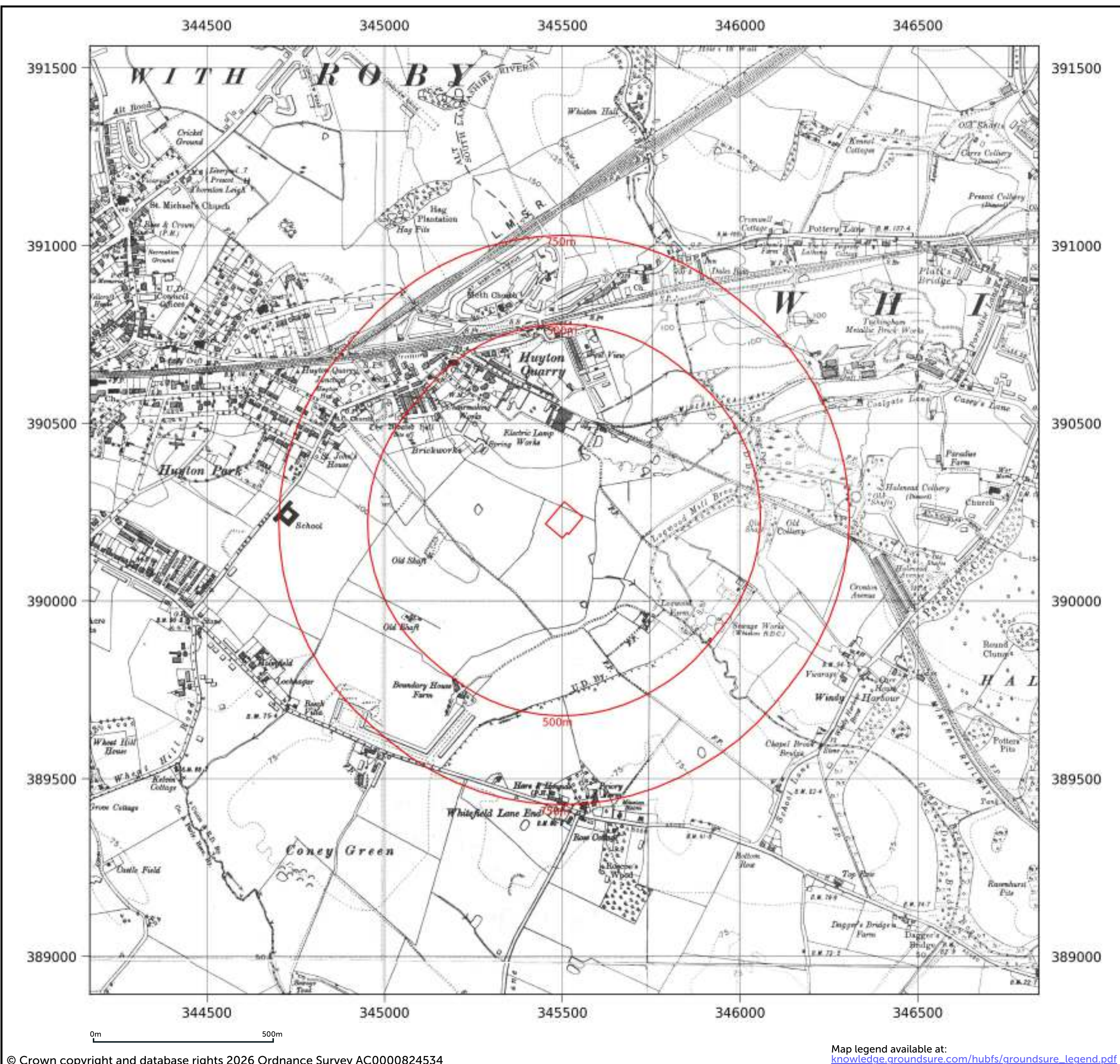
**Map name:** County Series  
**Map date:** 1938  
**Scale:** 1:10,560  
**Printed at:** 1:10,560

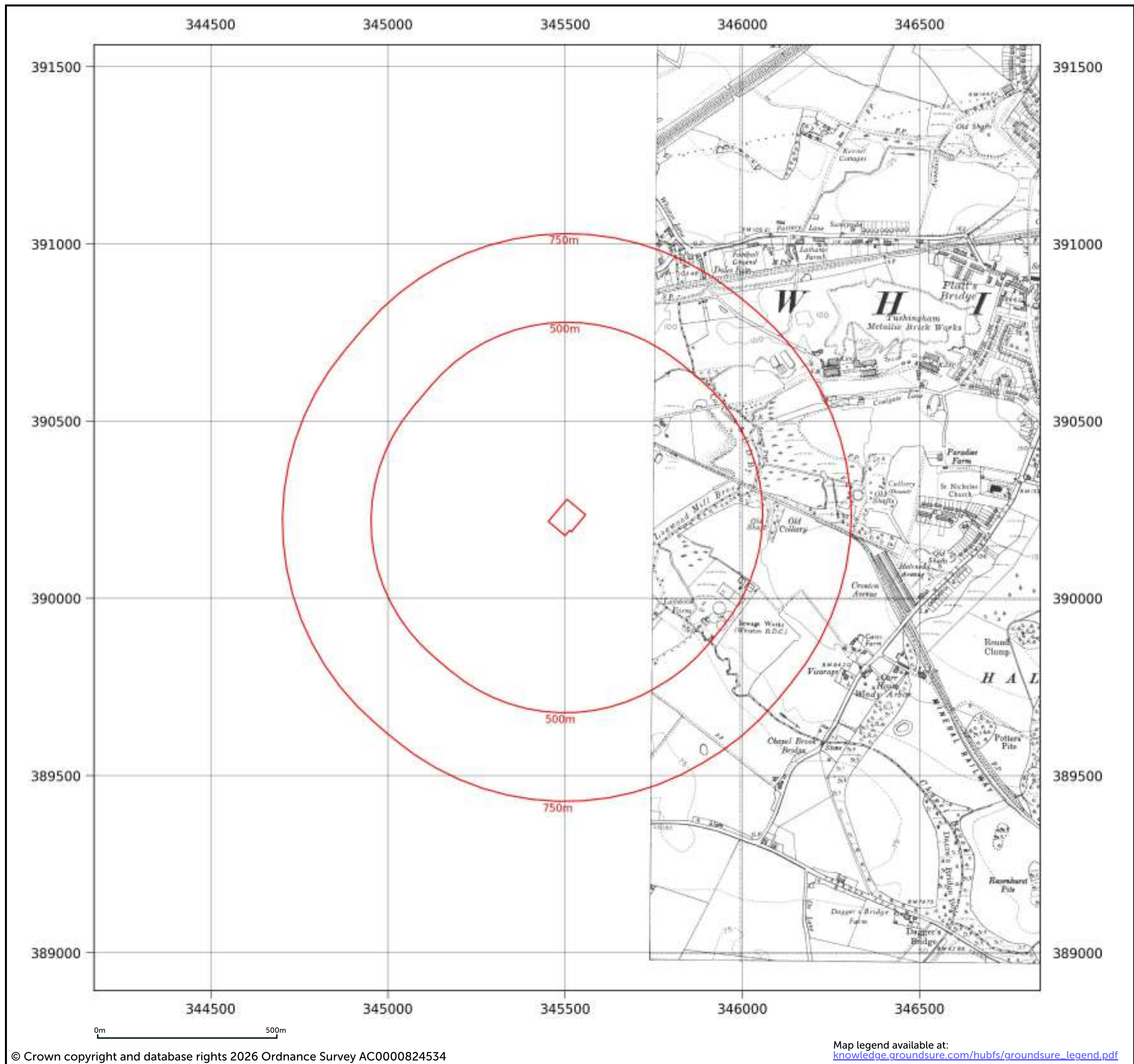


|                                                                |                                                                |
|----------------------------------------------------------------|----------------------------------------------------------------|
| Date: 1938<br>Surveyed: 1848<br>Revised: 1938<br>Edition: 1938 | Date: 1938<br>Surveyed: 1846<br>Revised: 1938<br>Edition: 1938 |
| Date: 1938<br>Surveyed: 1846<br>Revised: 1938<br>Edition: 1938 | Date: 1938<br>Surveyed: 1846<br>Revised: 1938<br>Edition: 1938 |

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)





In partnership with



|                  |                                               |
|------------------|-----------------------------------------------|
| Site details:    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| Client ref:      | CMAPS-CM-1267507-4199-100326                  |
| Report ref:      | CMAPS-CM-1267507-4199-100326HIS               |
| Grid ref:        | 345504.9, 390227                              |
| Production date: | 10 March 2026                                 |

|             |               |
|-------------|---------------|
| Map name:   | County Series |
| Map date:   | 1947          |
| Scale:      | 1:10,560      |
| Printed at: | 1:10,560      |



|                                               |
|-----------------------------------------------|
| Date: 1947<br>Surveyed: 1846<br>Revised: 1947 |
|-----------------------------------------------|

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)

In partnership with



|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

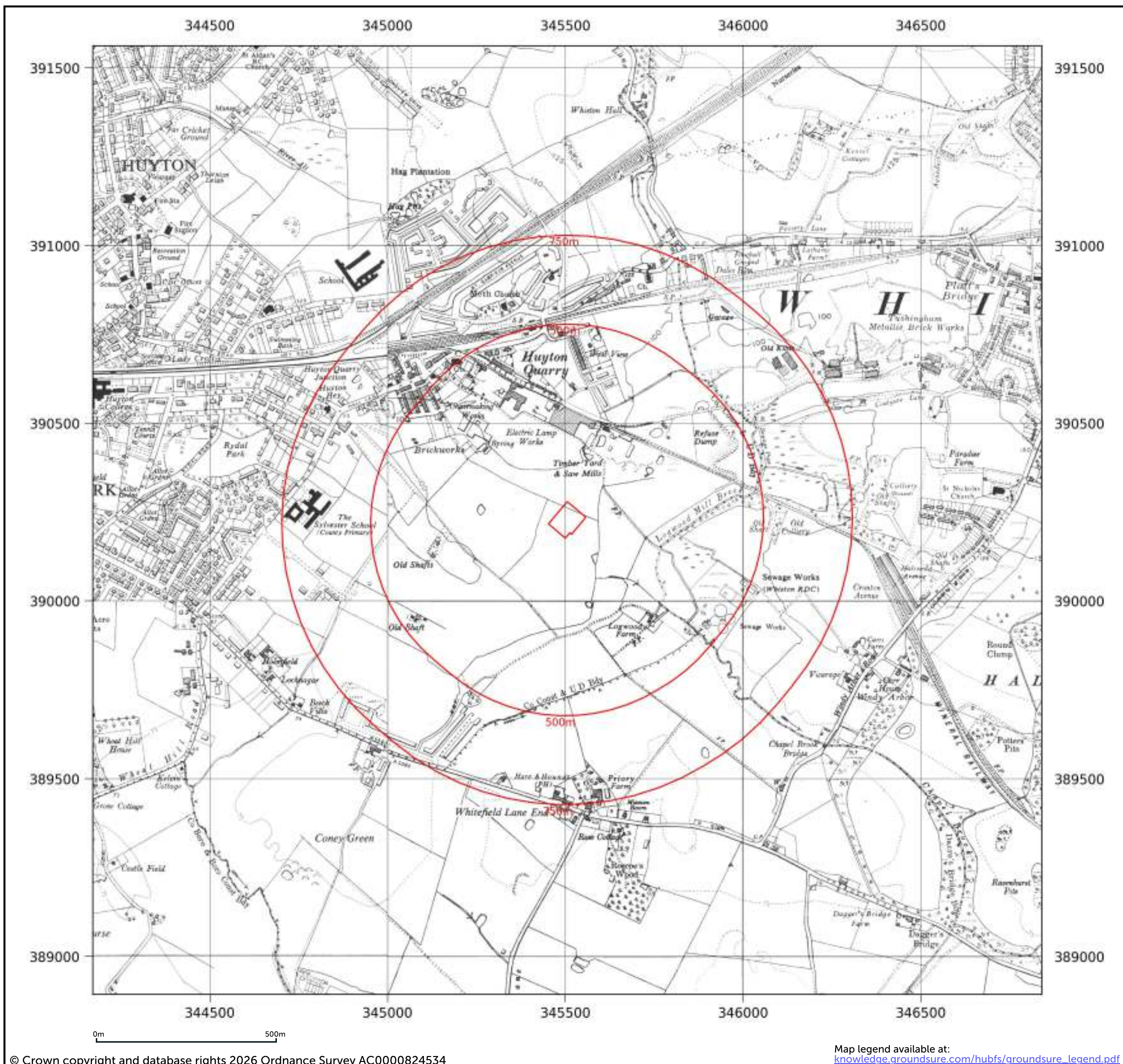
|                    |             |
|--------------------|-------------|
| <b>Map name:</b>   | Provisional |
| <b>Map date:</b>   | 1955-1956   |
| <b>Scale:</b>      | 1:10,560    |
| <b>Printed at:</b> | 1:10,560    |



|                                                                  |                                                                |
|------------------------------------------------------------------|----------------------------------------------------------------|
| Date: 1956<br>Surveyed: 1954<br>Revised: 1955<br>Copyright: 1956 | Date: 1956<br>Surveyed: 1947<br>Revised: 1955<br>Edition: 1956 |
| Date: 1956<br>Surveyed: 1954<br>Revised: 1955<br>Copyright: 1956 | Date: 1955<br>Revised: 1955<br>Copyright: 1955                 |

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



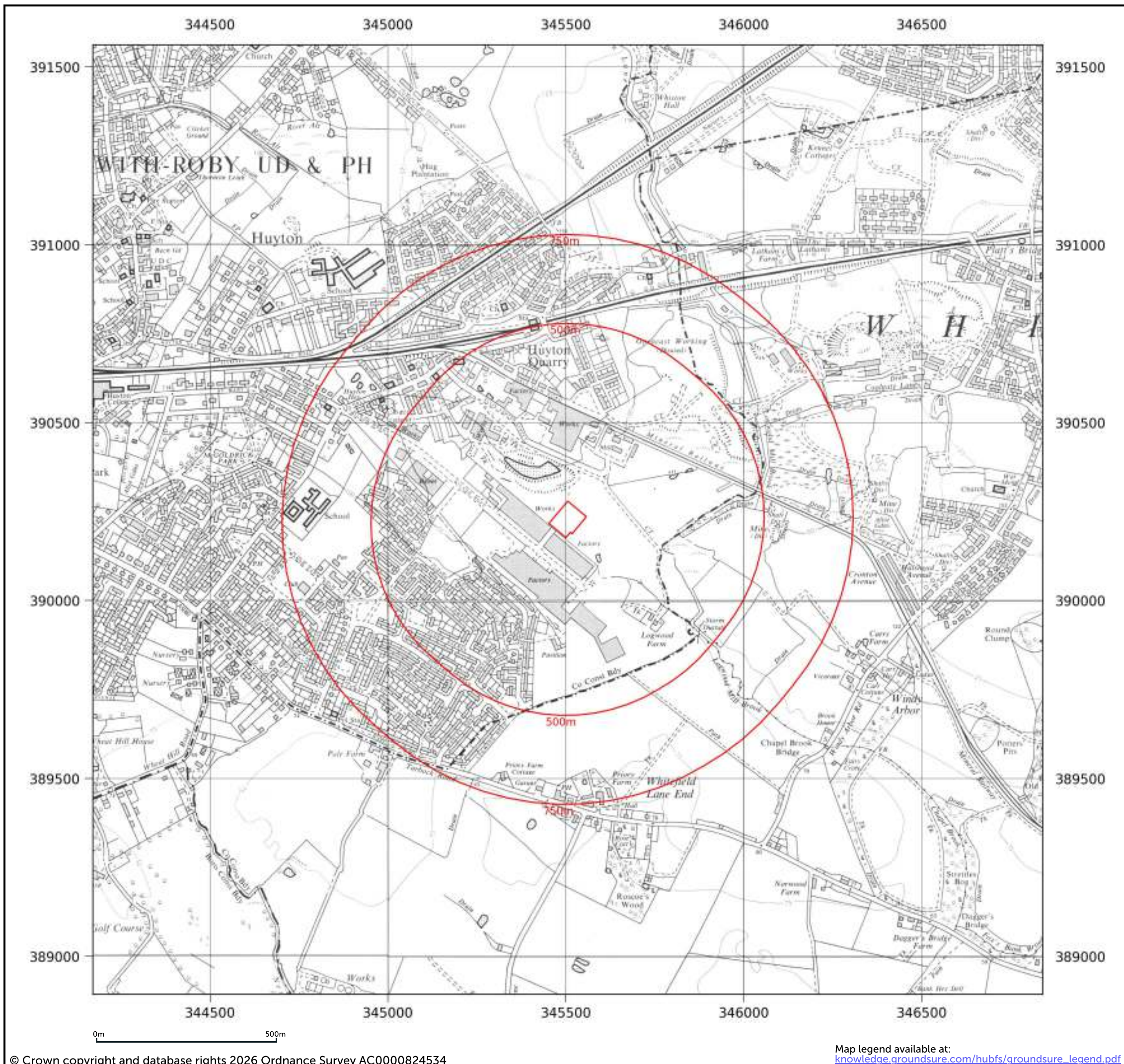
**Site details:** Land at Link Road, Liverpool, Huyton, L36 6AP  
**Client ref:** CMAPS-CM-1267507-4199-100326  
**Report ref:** CMAPS-CM-1267507-4199-100326HIS  
**Grid ref:** 345504.9, 390227  
**Production date:** 10 March 2026

**Map name:** Provisional  
**Map date:** 1965-1967  
**Scale:** 1:10,560  
**Printed at:** 1:10,560



|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Date: 1965<br>Surveyed: 1965<br>Revised: 1965 | Date: 1966<br>Surveyed: 1966<br>Revised: 1966 |
| Date: 1967<br>Surveyed: 1967<br>Revised: 1967 | Date: 1967<br>Surveyed: 1967<br>Revised: 1967 |

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



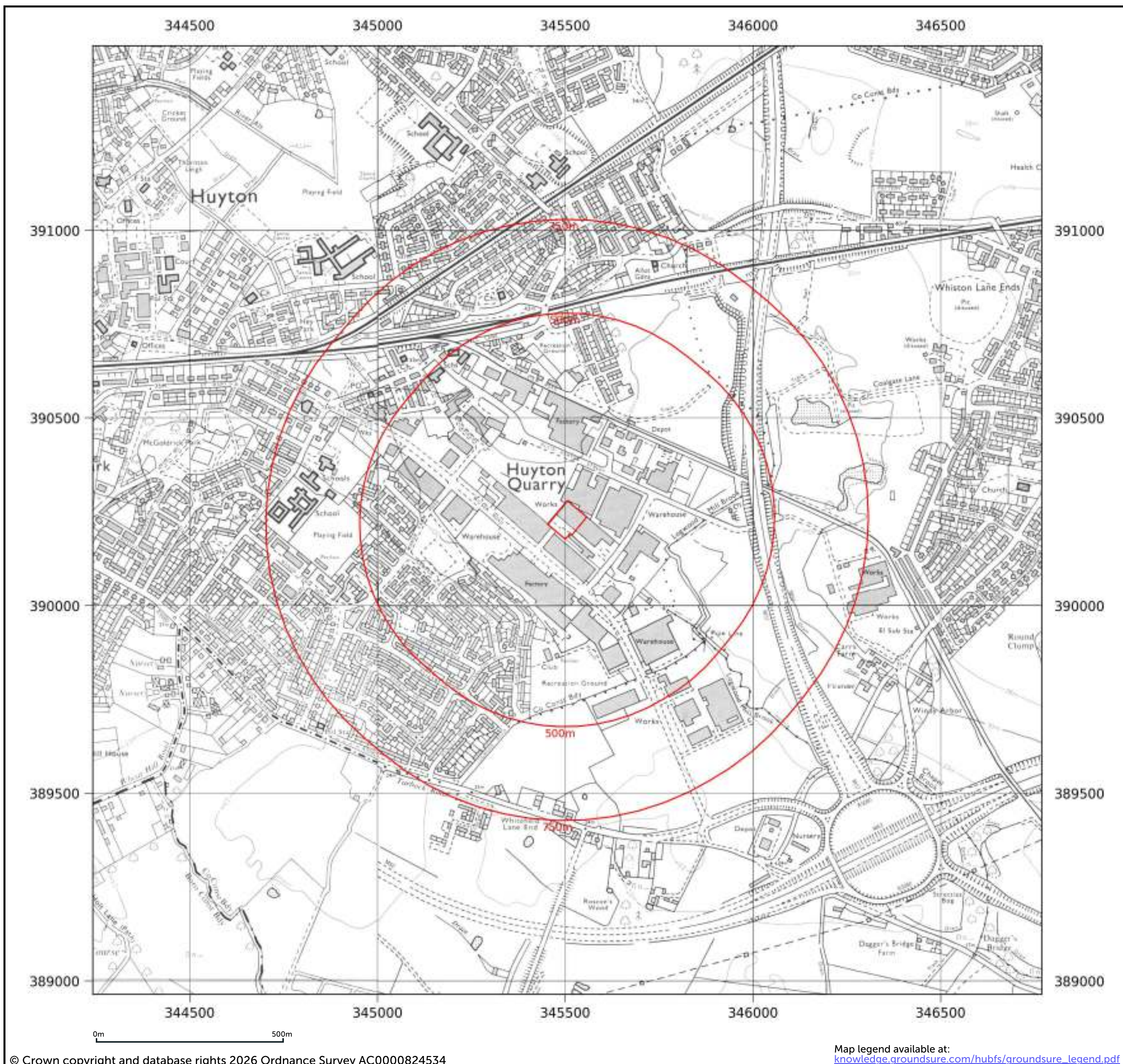
|                  |                                               |
|------------------|-----------------------------------------------|
| Site details:    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| Client ref:      | CMAPS-CM-1267507-4199-100326                  |
| Report ref:      | CMAPS-CM-1267507-4199-100326HIS               |
| Grid ref:        | 345504.9, 390227                              |
| Production date: | 10 March 2026                                 |

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



|                                                                                    |                                                                                    |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Date: 1978<br>Surveyed: 1975<br>Revised: 1977<br>Copyright: 1978<br>Levelled: 1955 | Date: 1978<br>Surveyed: 1975<br>Revised: 1978<br>Copyright: 1978<br>Levelled: 1964 |
| Date: 1974<br>Surveyed: 1973<br>Revised: 1974<br>Copyright: 1974<br>Levelled: 1955 | Date: 1977<br>Surveyed: 1975<br>Revised: 1977<br>Copyright: 1977<br>Levelled: 1964 |

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



Map legend available at:  
[knowledge.groundsurre.com/hubfs/groundsurre\\_legend.pdf](https://knowledge.groundsurre.com/hubfs/groundsurre_legend.pdf)

In partnership with



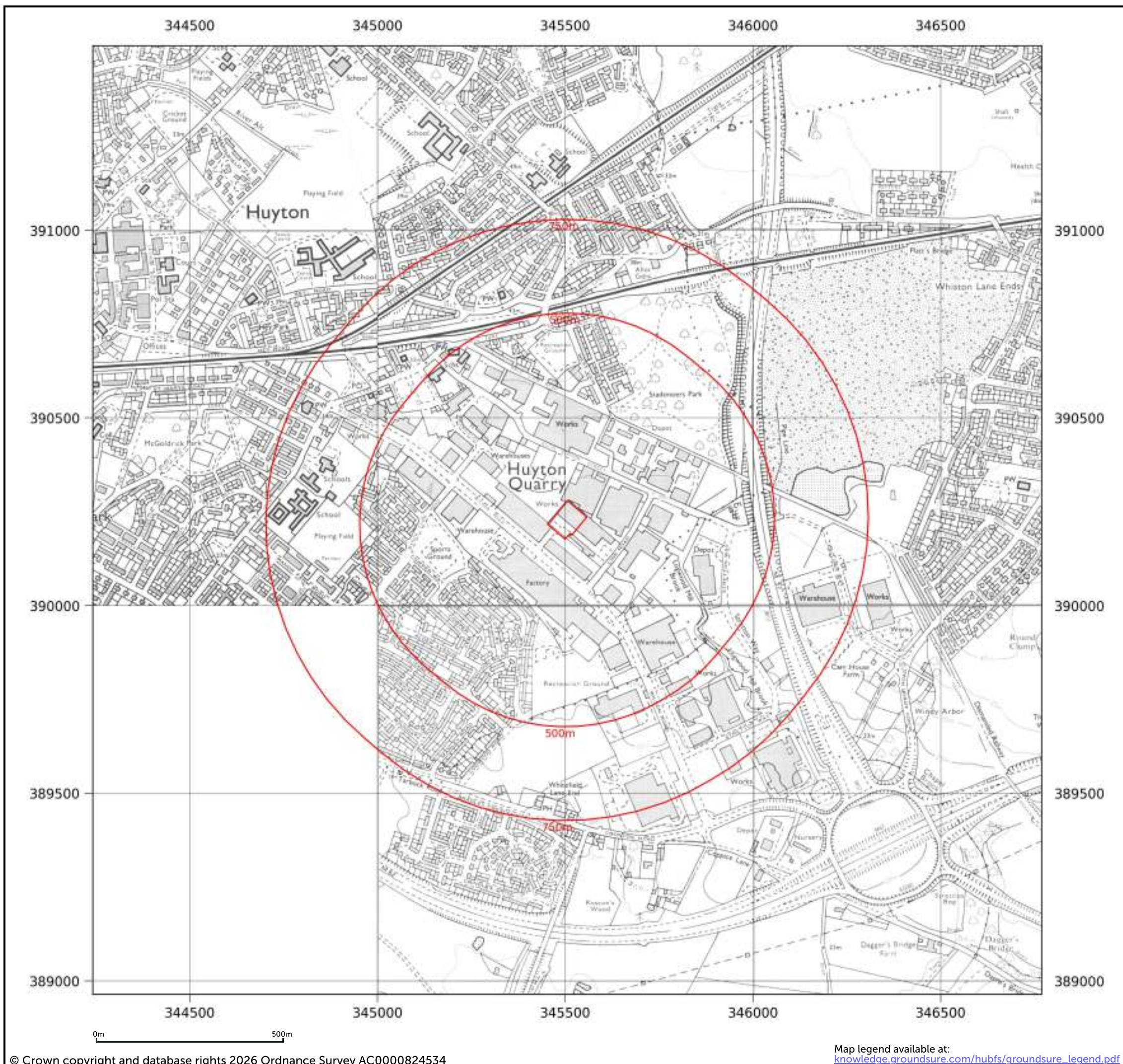
|                  |                                               |
|------------------|-----------------------------------------------|
| Site details:    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| Client ref:      | CMAPS-CM-1267507-4199-100326                  |
| Report ref:      | CMAPS-CM-1267507-4199-100326HIS               |
| Grid ref:        | 345504.9, 390227                              |
| Production date: | 10 March 2026                                 |

|             |               |
|-------------|---------------|
| Map name:   | National Grid |
| Map date:   | 1989-1990     |
| Scale:      | 1:10,000      |
| Printed at: | 1:10,000      |



|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Date: 1989<br>Surveyed: 1987<br>Revised: 1989 | Date: 1990<br>Surveyed: 1989<br>Revised: 1990 |
|                                               | Date: 1989<br>Surveyed: 1986<br>Revised: 1989 |

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



Map legend available at:  
[knowledge.groundsure.com/hubfs/groundsure\\_legend.pdf](https://knowledge.groundsure.com/hubfs/groundsure_legend.pdf)

In partnership with



**Site details:** Land at Link Road, Liverpool, Huyton, L36 6AP  
**Client ref:** CMAPS-CM-1267507-4199-100326  
**Report ref:** CMAPS-CM-1267507-4199-100326HIS  
**Grid ref:** 345504.9, 390227  
**Production date:** 10 March 2026

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



|            |            |
|------------|------------|
| Date: 2001 | Date: 2001 |
| Date: 2001 | Date: 2001 |

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

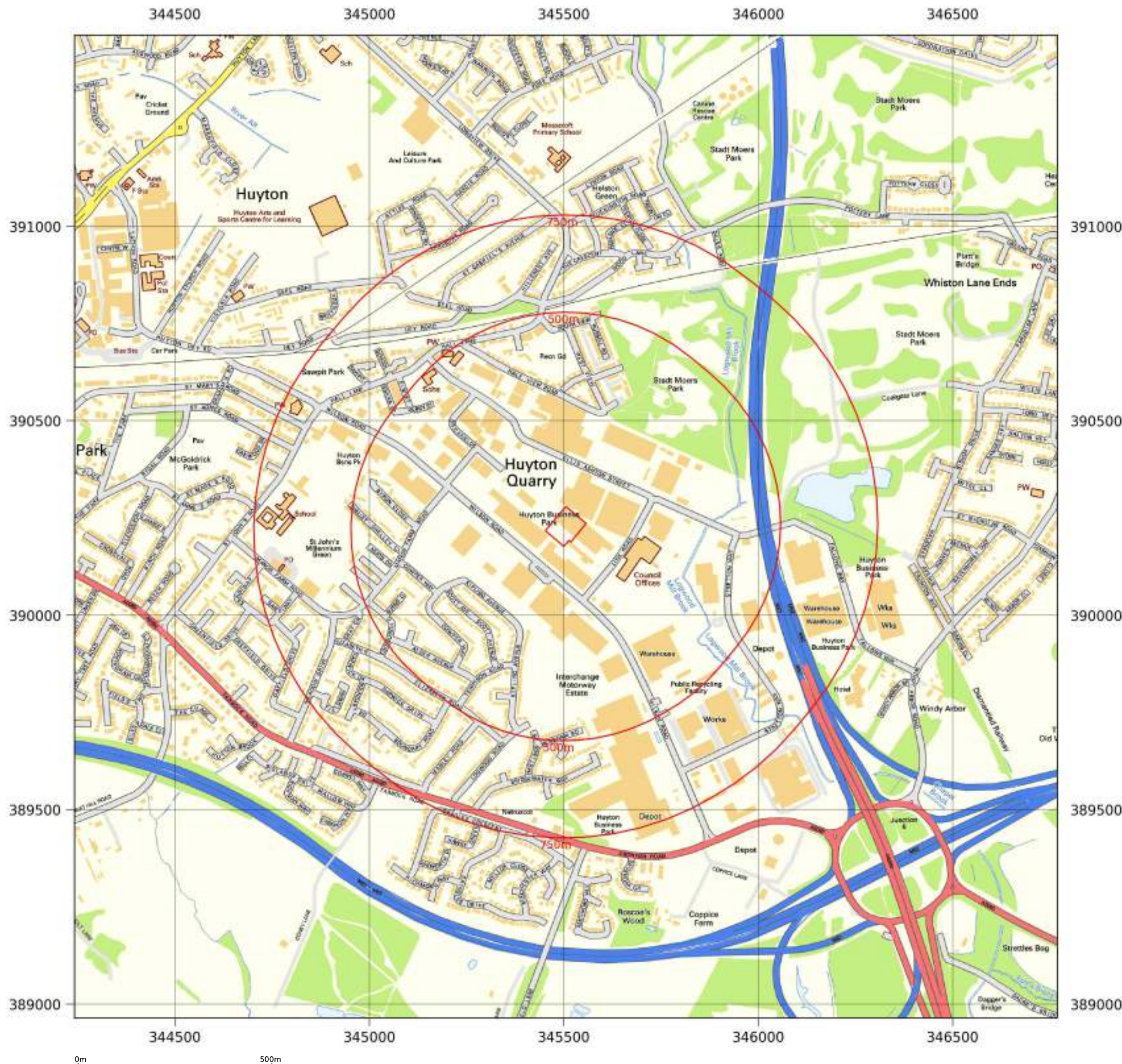
|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 2010          |
| <b>Scale:</b>      | 1:10,000      |
| <b>Printed at:</b> | 1:10,000      |



|            |            |
|------------|------------|
| Date: 2010 | Date: 2010 |
| Date: 2010 | Date: 2010 |

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



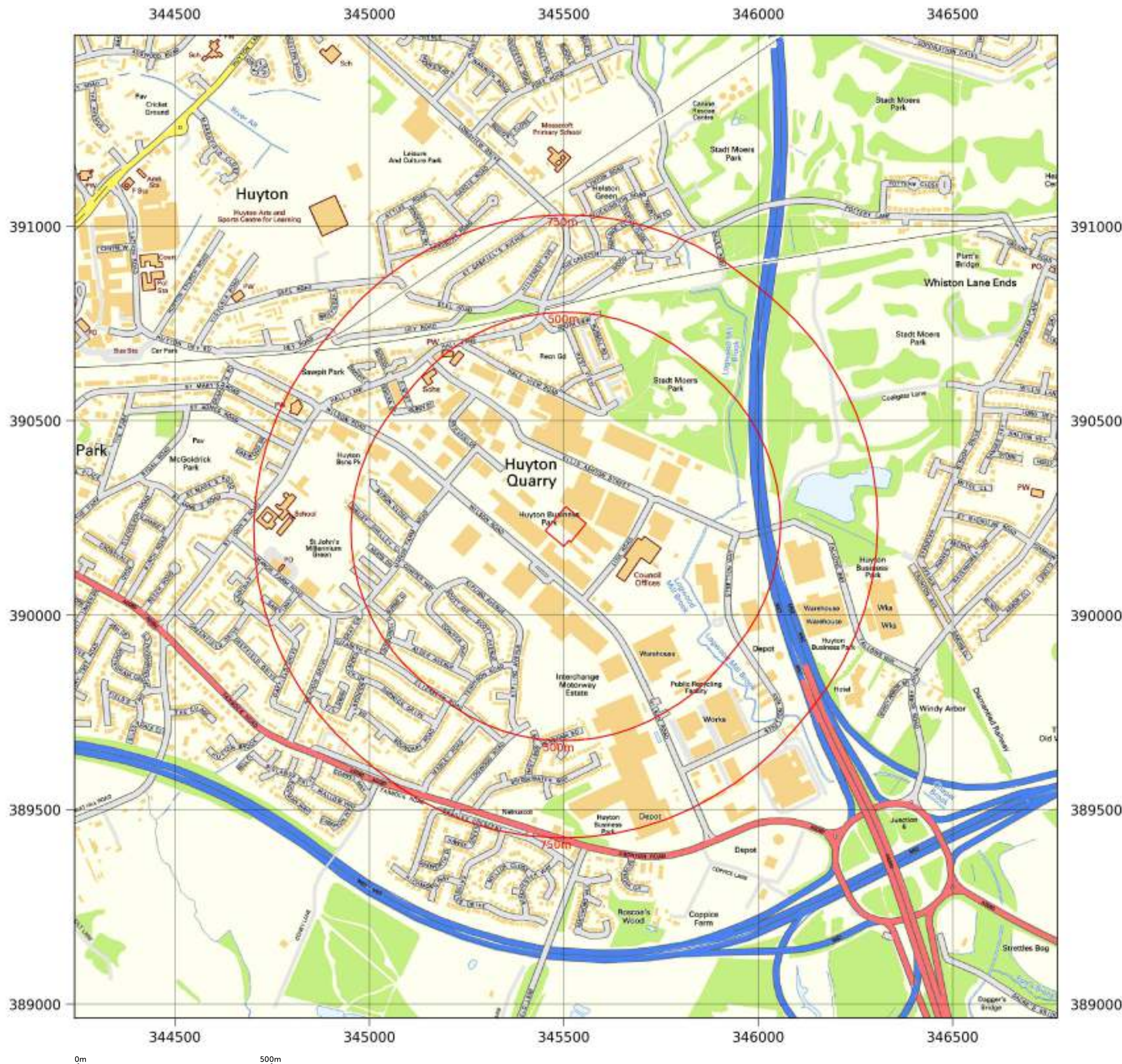
**Site details:** Land at Link Road, Liverpool, Huyton, L36 6AP  
**Client ref:** CMAPS-CM-1267507-4199-100326  
**Report ref:** CMAPS-CM-1267507-4199-100326HIS  
**Grid ref:** 345504.9, 390227  
**Production date:** 10 March 2026

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



|            |            |
|------------|------------|
| Date: 2015 | Date: 2015 |
| Date: 2015 | Date: 2015 |

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



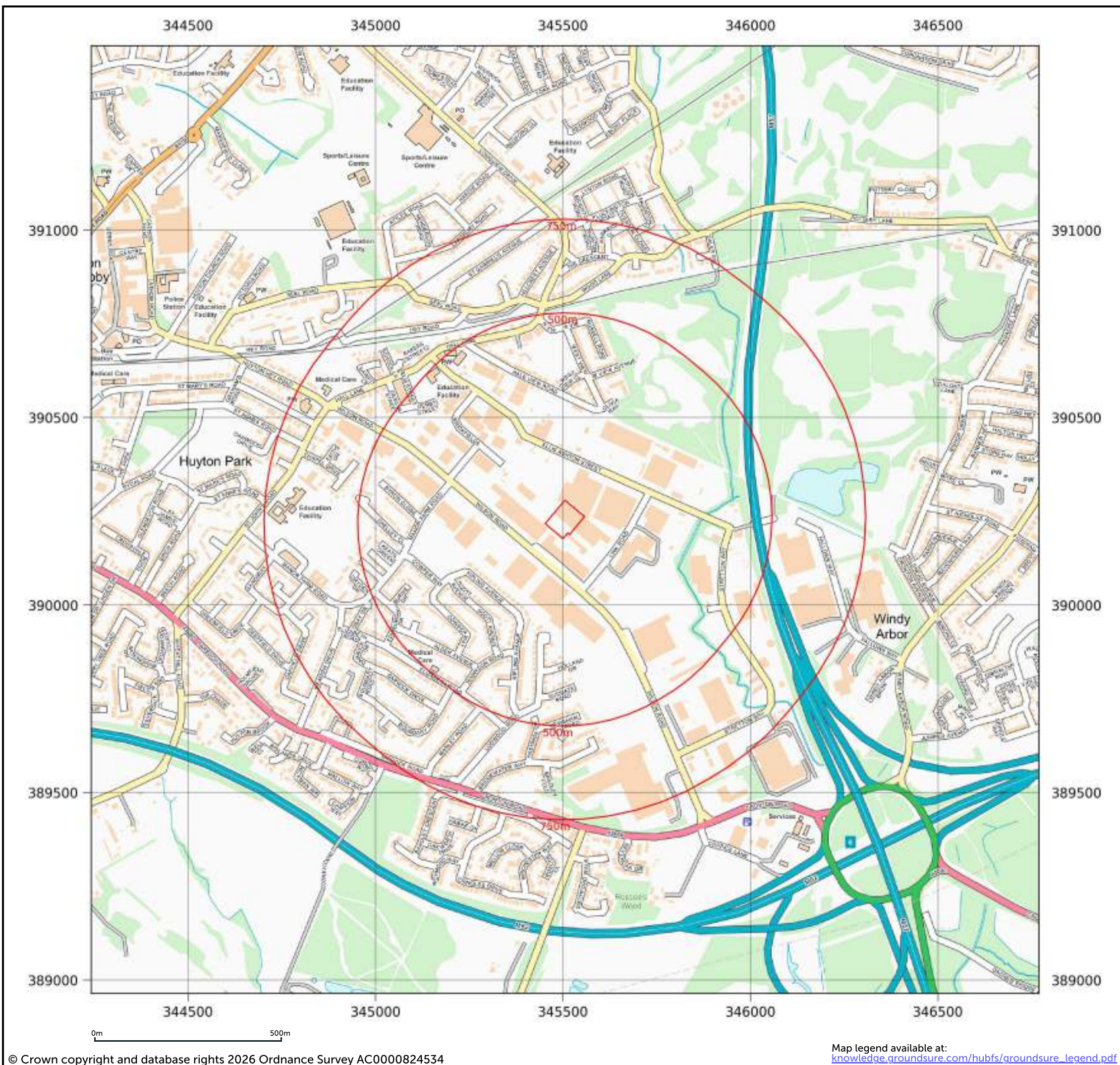
**Site details:** Land at Link Road, Liverpool, Huyton, L36 6AP  
**Client ref:** CMAPS-CM-1267507-4199-100326  
**Report ref:** CMAPS-CM-1267507-4199-100326HIS  
**Grid ref:** 345504.9, 390227  
**Production date:** 10 March 2026

**Map name:** National Grid  
**Map date:** 2025  
**Scale:** 1:10,000  
**Printed at:** 1:10,000



|            |            |
|------------|------------|
| Date: 2025 | Date: 2025 |
| Date: 2025 | Date: 2025 |

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



## **LARGE SCALE SURVEY PLANS**

In partnership with



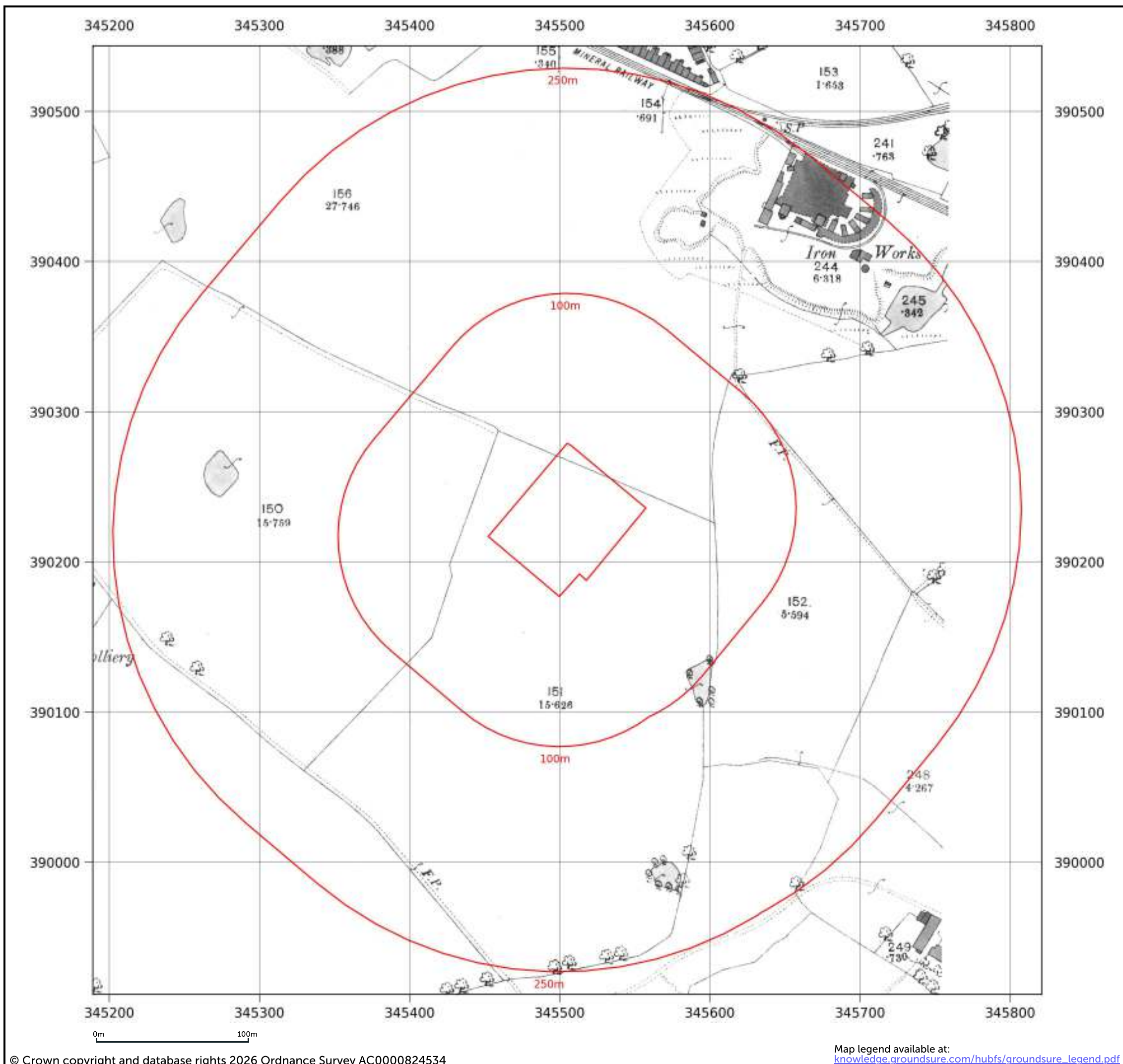
|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAFS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAFS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | County Series |
| <b>Map date:</b>   | 1892          |
| <b>Scale:</b>      | 1:2,500       |
| <b>Printed at:</b> | 1:2,500       |



Date: 1892  
Surveyed: 1892  
Revised: 1892

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



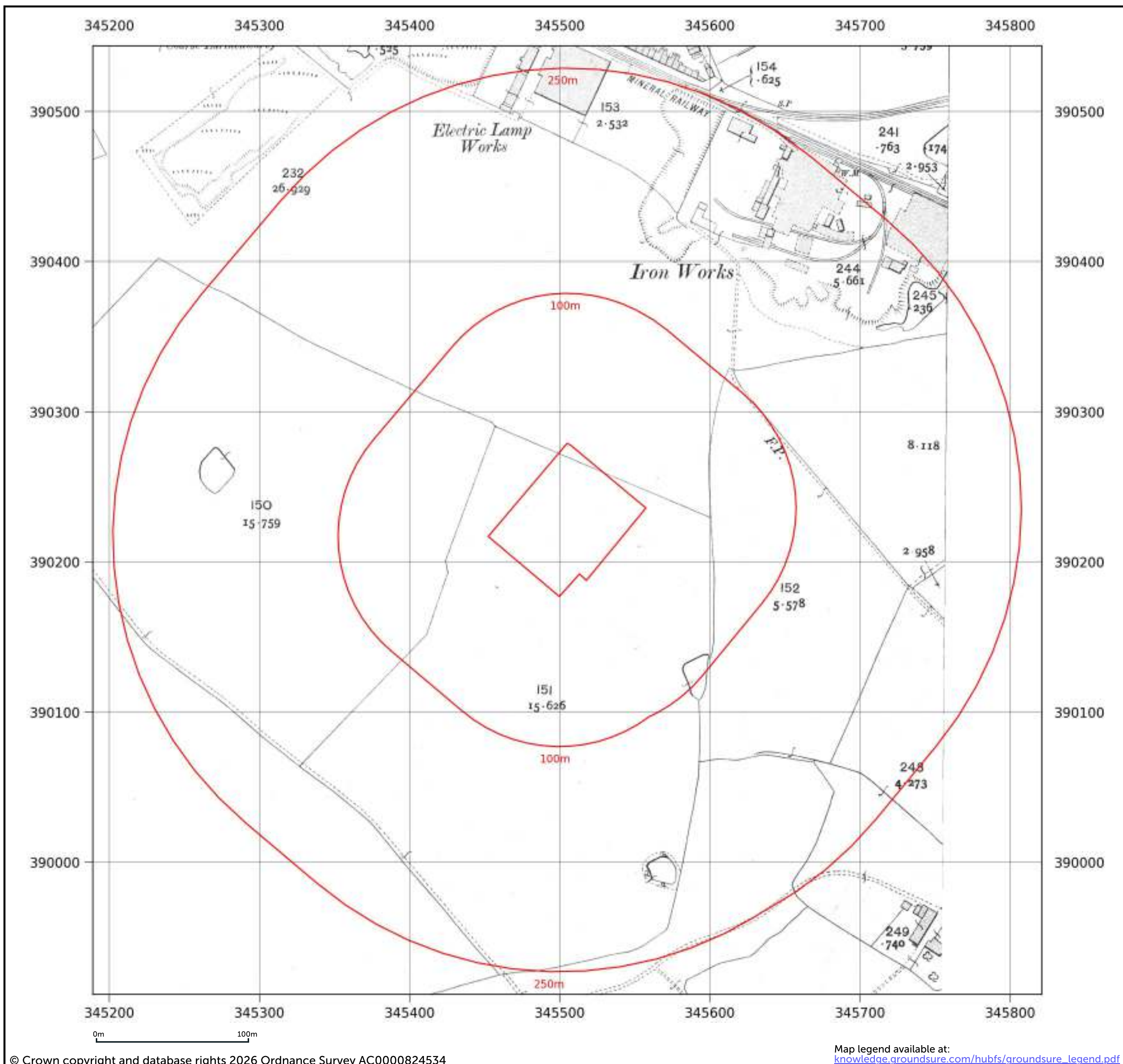
|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | County Series |
| <b>Map date:</b>   | 1907          |
| <b>Scale:</b>      | 1:2,500       |
| <b>Printed at:</b> | 1:2,500       |



Date: 1907  
Surveyed: 1907  
Revised: 1907

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



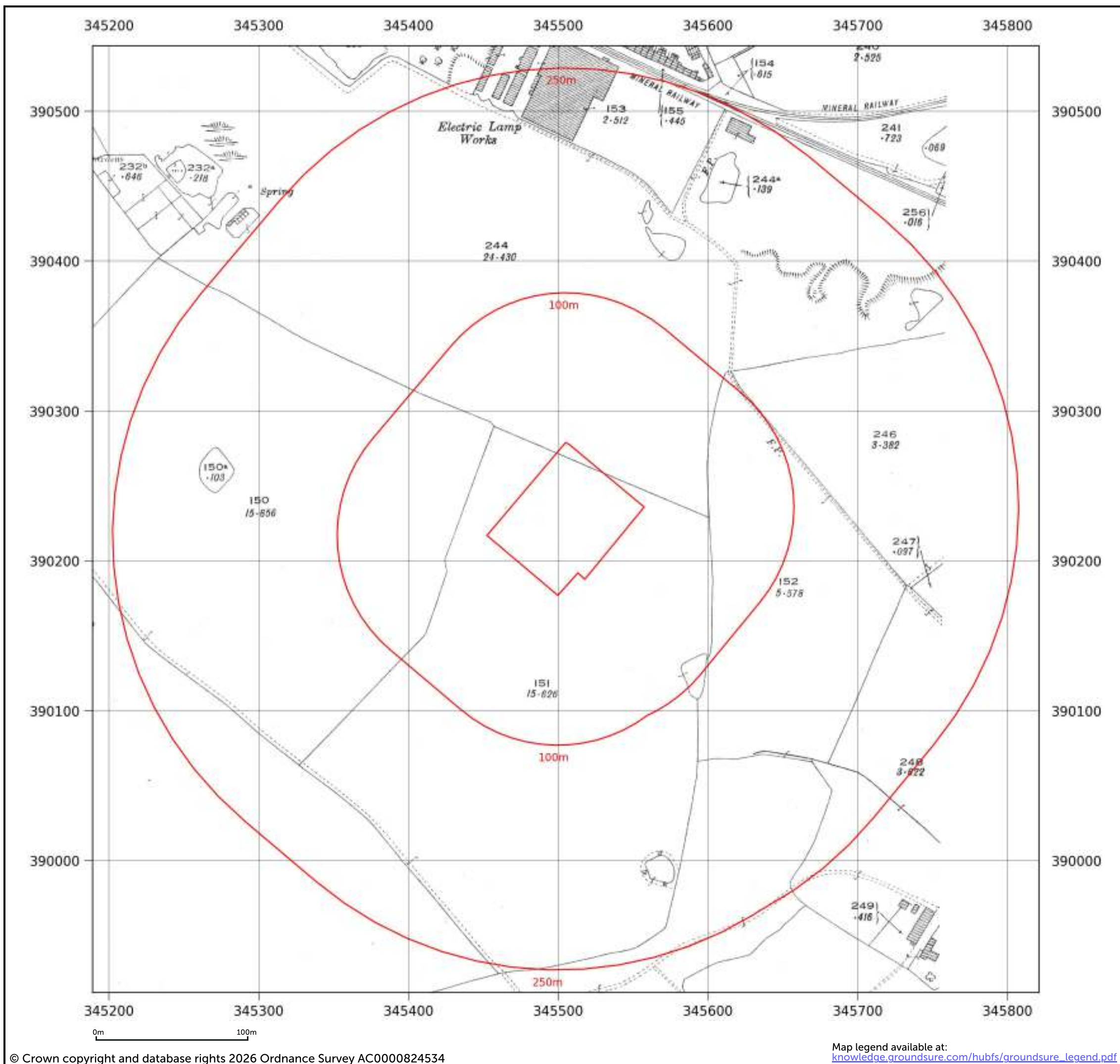
|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | County Series |
| <b>Map date:</b>   | 1927          |
| <b>Scale:</b>      | 1:2,500       |
| <b>Printed at:</b> | 1:2,500       |



Date: 1927  
Surveyed: 1927  
Revised: 1927

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



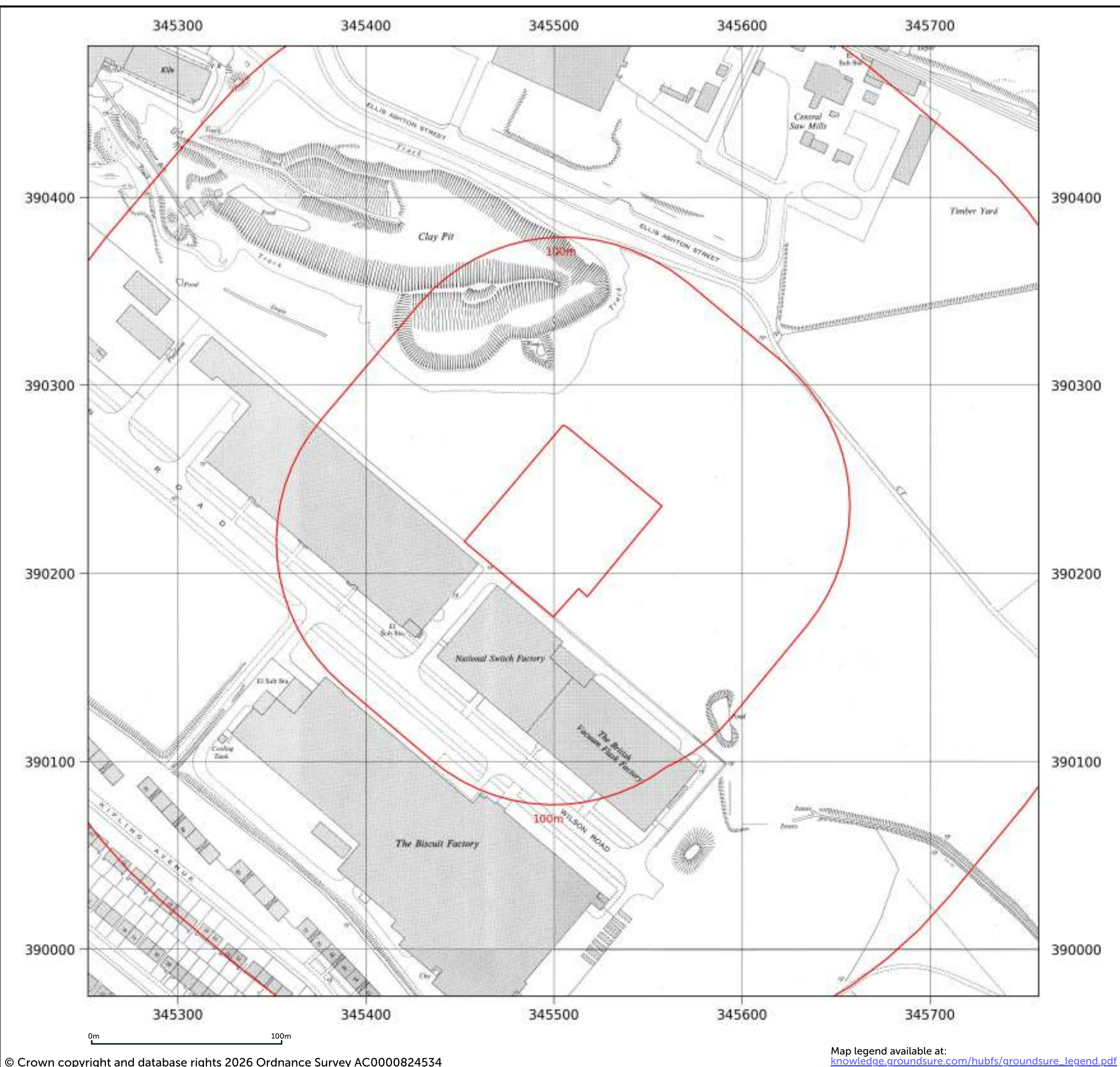
|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 1956          |
| <b>Scale:</b>      | 1:1,250       |
| <b>Printed at:</b> | 1:2,000       |



|                                                                 |                                                                 |
|-----------------------------------------------------------------|-----------------------------------------------------------------|
| Date: 1956<br>Surveyed: 1956<br>Revised: 1956<br>Levelled: 1926 | Date: 1956<br>Surveyed: 1956<br>Revised: 1956<br>Levelled: 1926 |
| Date: 1956<br>Surveyed: 1956<br>Revised: 1956<br>Levelled: 1926 | Date: 1956<br>Surveyed: 1956<br>Revised: 1956<br>Levelled: 1926 |

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



Map legend available at:  
[knowledge.groundsurre.com/hubfs/groundsurre\\_legend.pdf](https://knowledge.groundsurre.com/hubfs/groundsurre_legend.pdf)

In partnership with



|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAFS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAFS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 1957          |
| <b>Scale:</b>      | 1:1,250       |
| <b>Printed at:</b> | 1:2,000       |

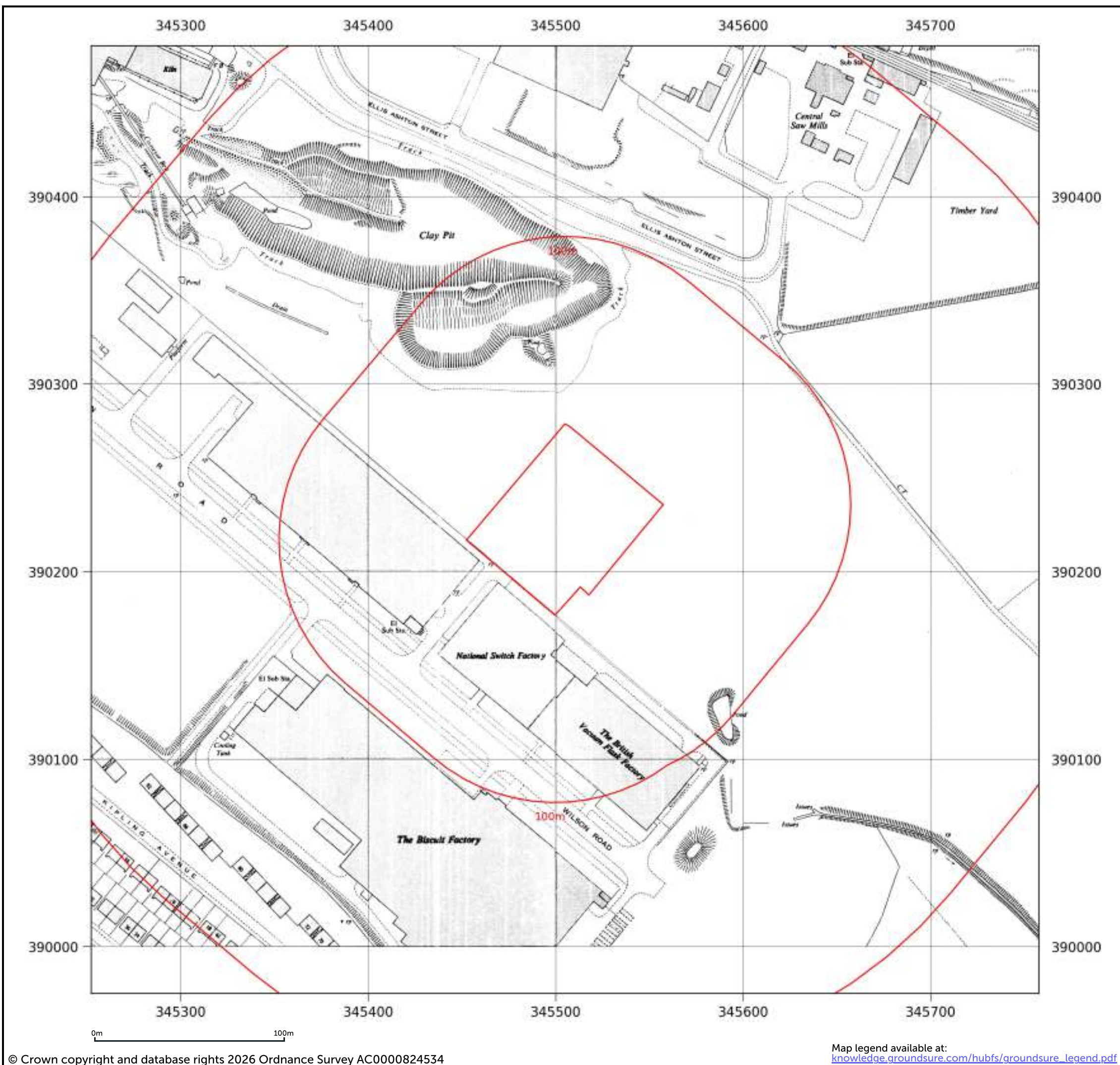


Date: 1957

Date: 1957

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 1957          |
| <b>Scale:</b>      | 1:2,500       |
| <b>Printed at:</b> | 1:2,500       |

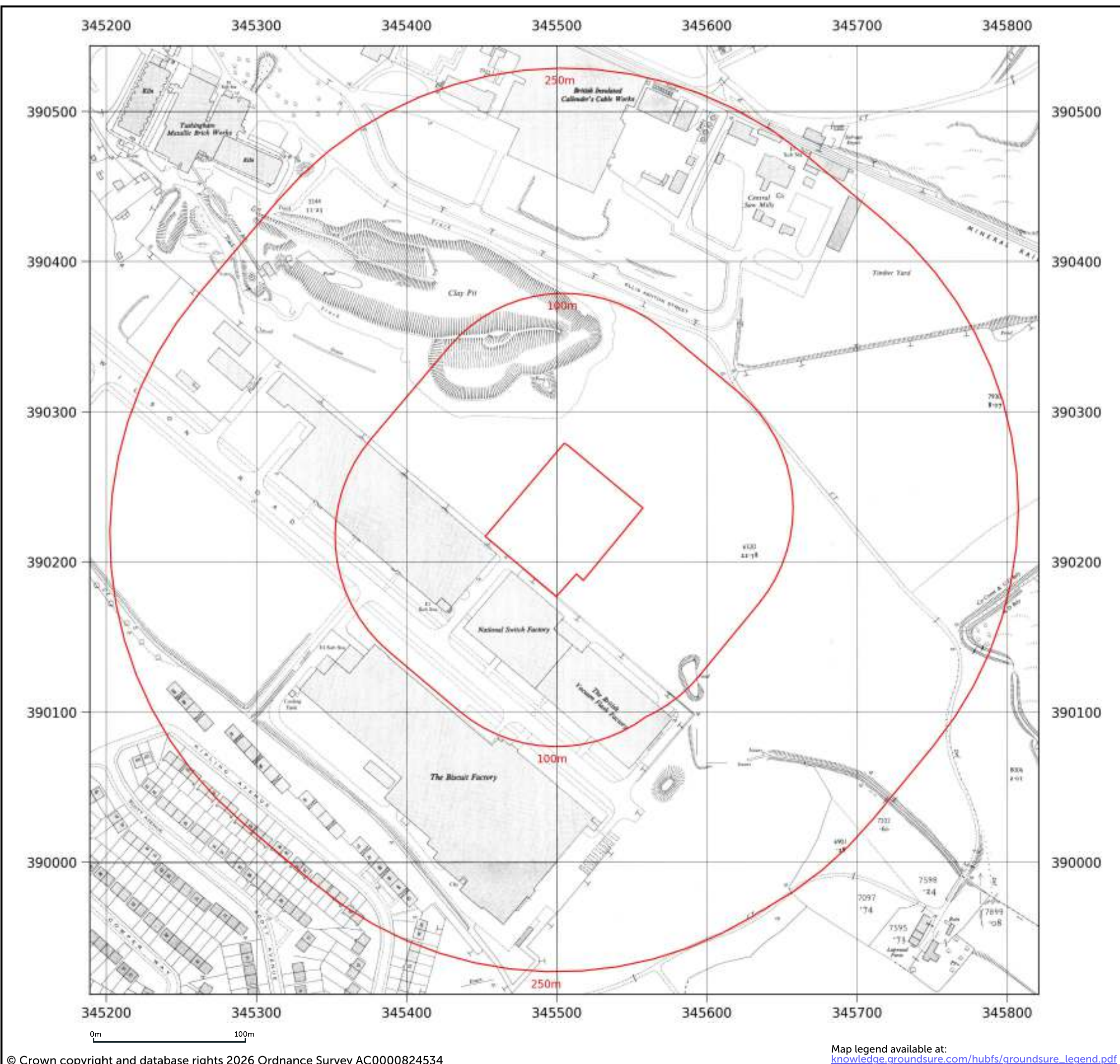


Date: 1957  
Surveyed: 1956  
Revised: 1956  
Copyright: 1957  
Levelled: 1926

Date: 1957  
Surveyed: 1956  
Revised: 1956  
Edition: 1957  
Levelled: 1926

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)





In partnership with



|                         |                                                  |
|-------------------------|--------------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool,<br>Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-<br>100326                 |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-<br>100326HIS              |
| <b>Grid ref:</b>        | 345504.9, 390227                                 |
| <b>Production date:</b> | 10 March 2026                                    |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 1963-1968     |
| <b>Scale:</b>      | 1:1,250       |
| <b>Printed at:</b> | 1:2,000       |



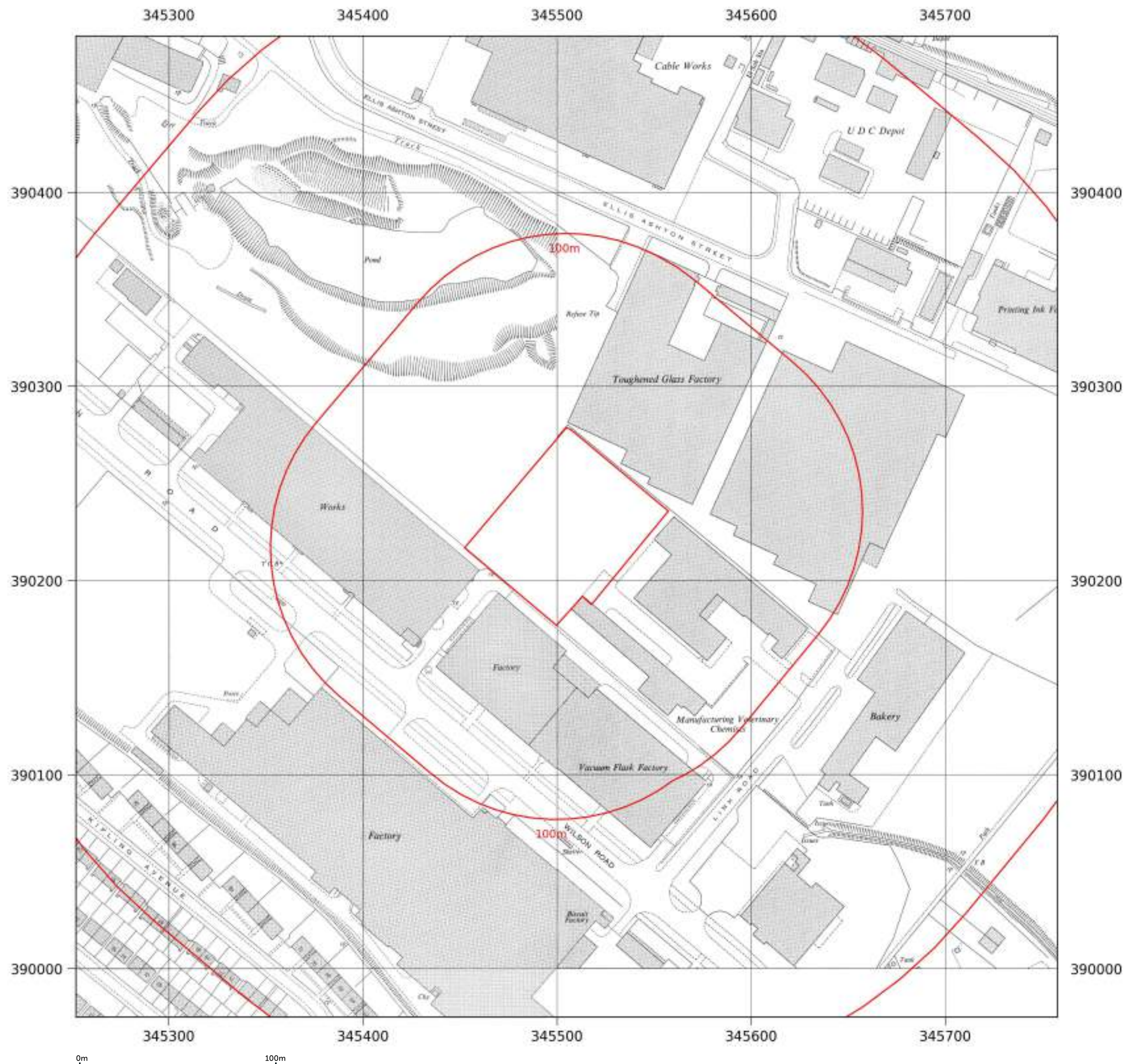
|                 |                 |
|-----------------|-----------------|
| Date: 1964      | Date: 1968      |
| Surveyed: 1956  | Surveyed: 1956  |
| Revised: 1963   | Revised: 1967   |
| Copyright: 1964 | Copyright: 1968 |
| Levelled: 1957  | Levelled: 1957  |

|                 |
|-----------------|
| Date: 1963      |
| Surveyed: 1956  |
| Revised: 1962   |
| Copyright: 1963 |
| Levelled: 1957  |

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



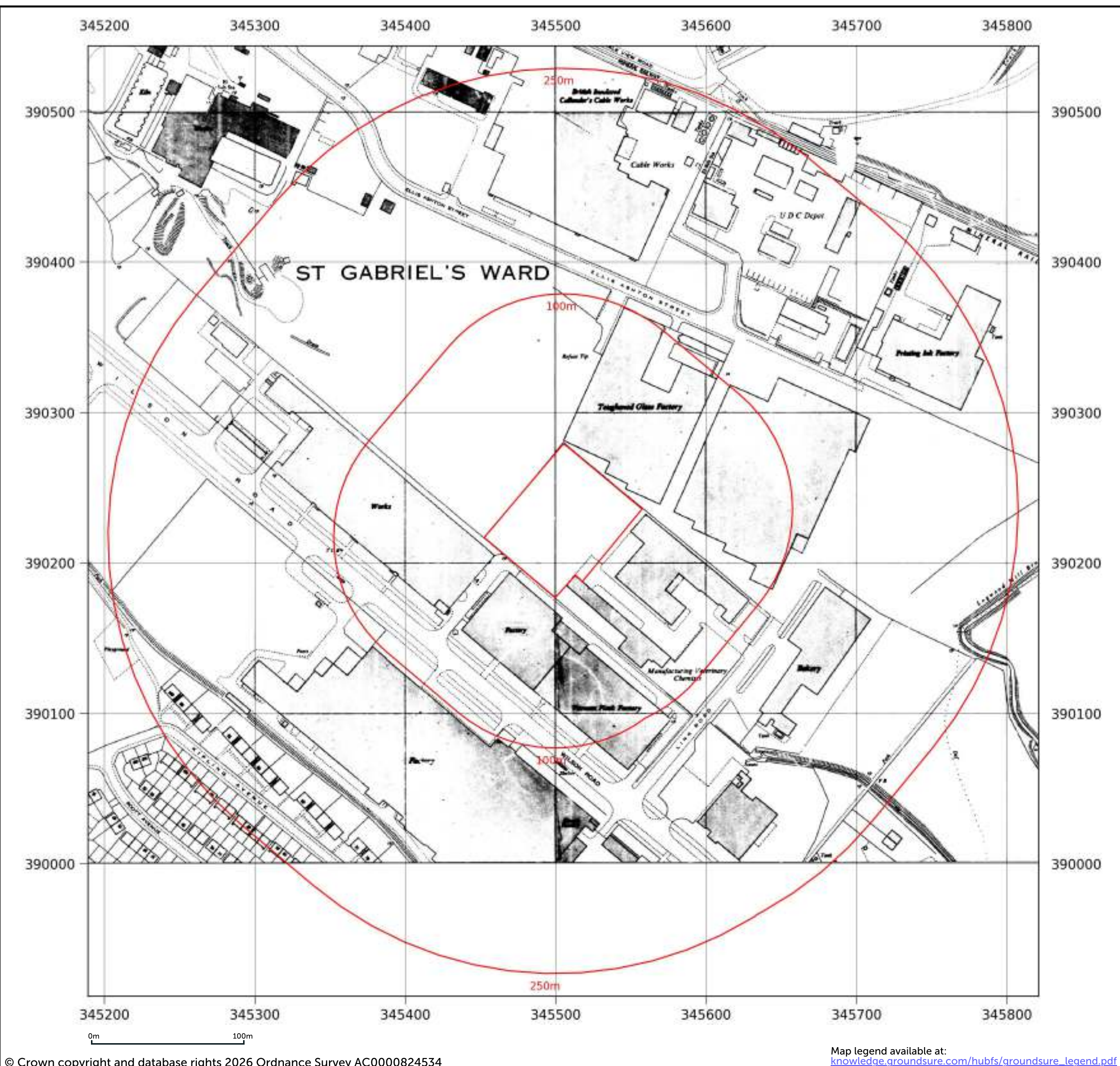
|                  |                                               |
|------------------|-----------------------------------------------|
| Site details:    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| Client ref:      | CMAFS-CM-1267507-4199-100326                  |
| Report ref:      | CMAFS-CM-1267507-4199-100326HIS               |
| Grid ref:        | 345504.9, 390227                              |
| Production date: | 10 March 2026                                 |

|             |               |
|-------------|---------------|
| Map name:   | National Grid |
| Map date:   | 1970          |
| Scale:      | 1:2,500       |
| Printed at: | 1:2,500       |



Date: 1970

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 1970-1975     |
| <b>Scale:</b>      | 1:2,500       |
| <b>Printed at:</b> | 1:2,500       |

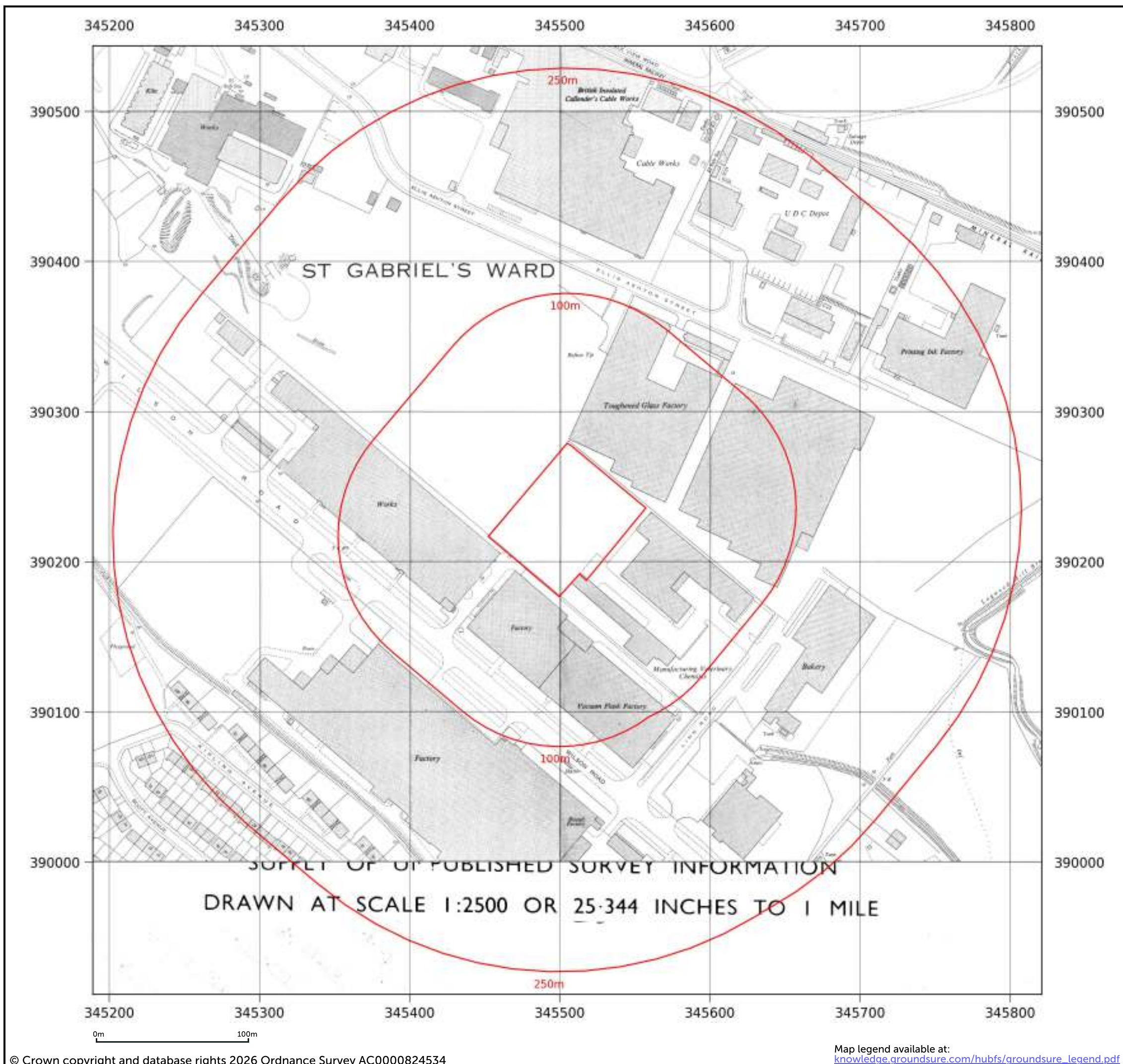


Date: 1970  
Surveyed: 1969  
Revised: 1969  
Copyright: 1970  
Levelled: 1960

Date: 1975

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAFS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAFS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

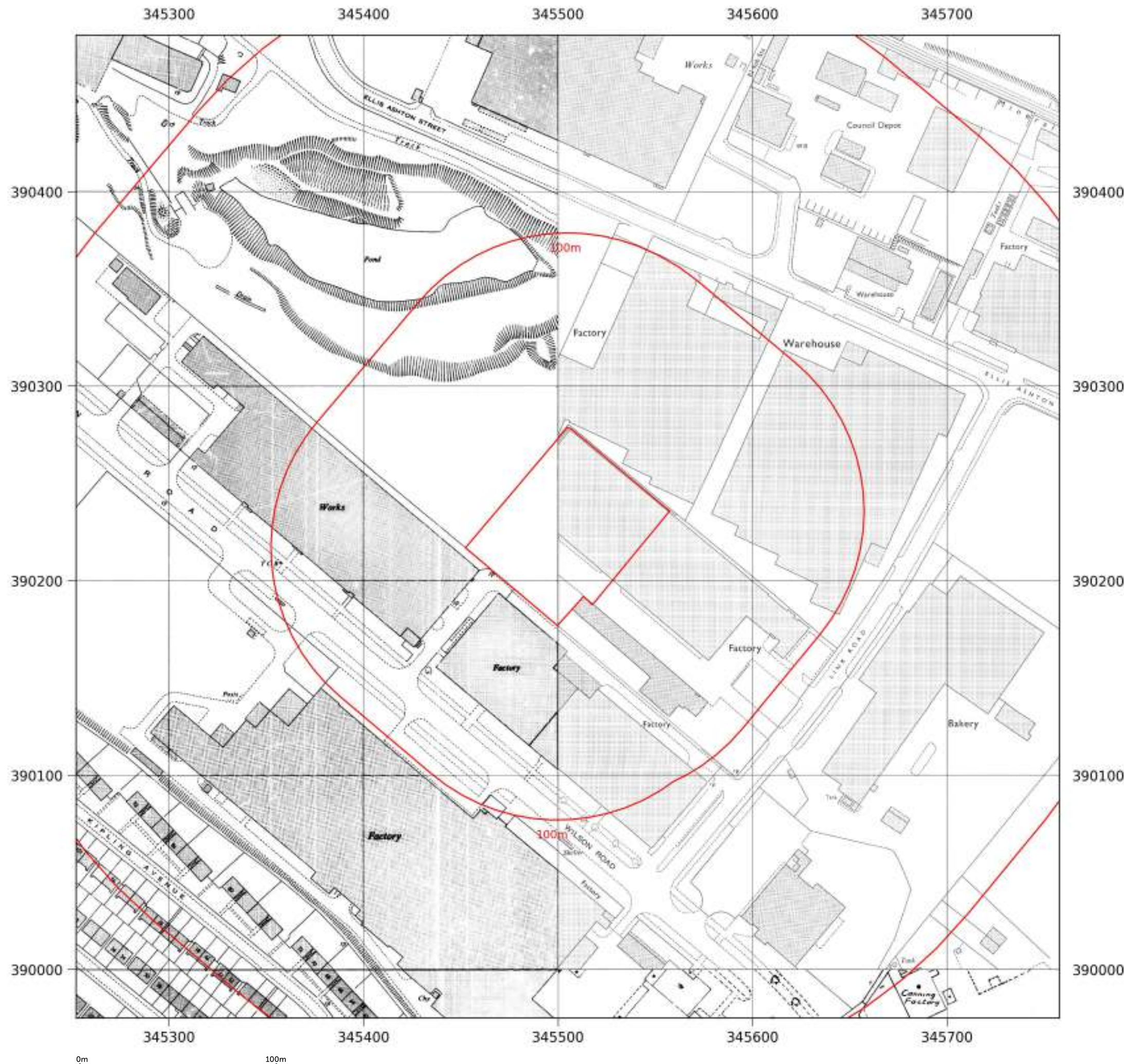
|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 1975-1977     |
| <b>Scale:</b>      | 1:1,250       |
| <b>Printed at:</b> | 1:2,000       |



|            |                                                                                    |
|------------|------------------------------------------------------------------------------------|
| Date: 1975 | Date: 1977<br>Surveyed: 1956<br>Revised: 1976<br>Copyright: 1977<br>Levelled: 1957 |
| Date: 1976 | Date: 1977                                                                         |

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



Map legend available at:  
[knowledge.groundsurre.com/hubfs/groundsurre\\_legend.pdf](https://knowledge.groundsurre.com/hubfs/groundsurre_legend.pdf)

In partnership with



|                  |                                               |
|------------------|-----------------------------------------------|
| Site details:    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| Client ref:      | CMAFS-CM-1267507-4199-100326                  |
| Report ref:      | CMAFS-CM-1267507-4199-100326HIS               |
| Grid ref:        | 345504.9, 390227                              |
| Production date: | 10 March 2026                                 |

|             |               |
|-------------|---------------|
| Map name:   | National Grid |
| Map date:   | 1980          |
| Scale:      | 1:1,250       |
| Printed at: | 1:2,000       |



|                                                 |
|-------------------------------------------------|
| Date: 1980<br>Copyright: 1980<br>Levelled: 1957 |
|-------------------------------------------------|

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAPS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAPS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

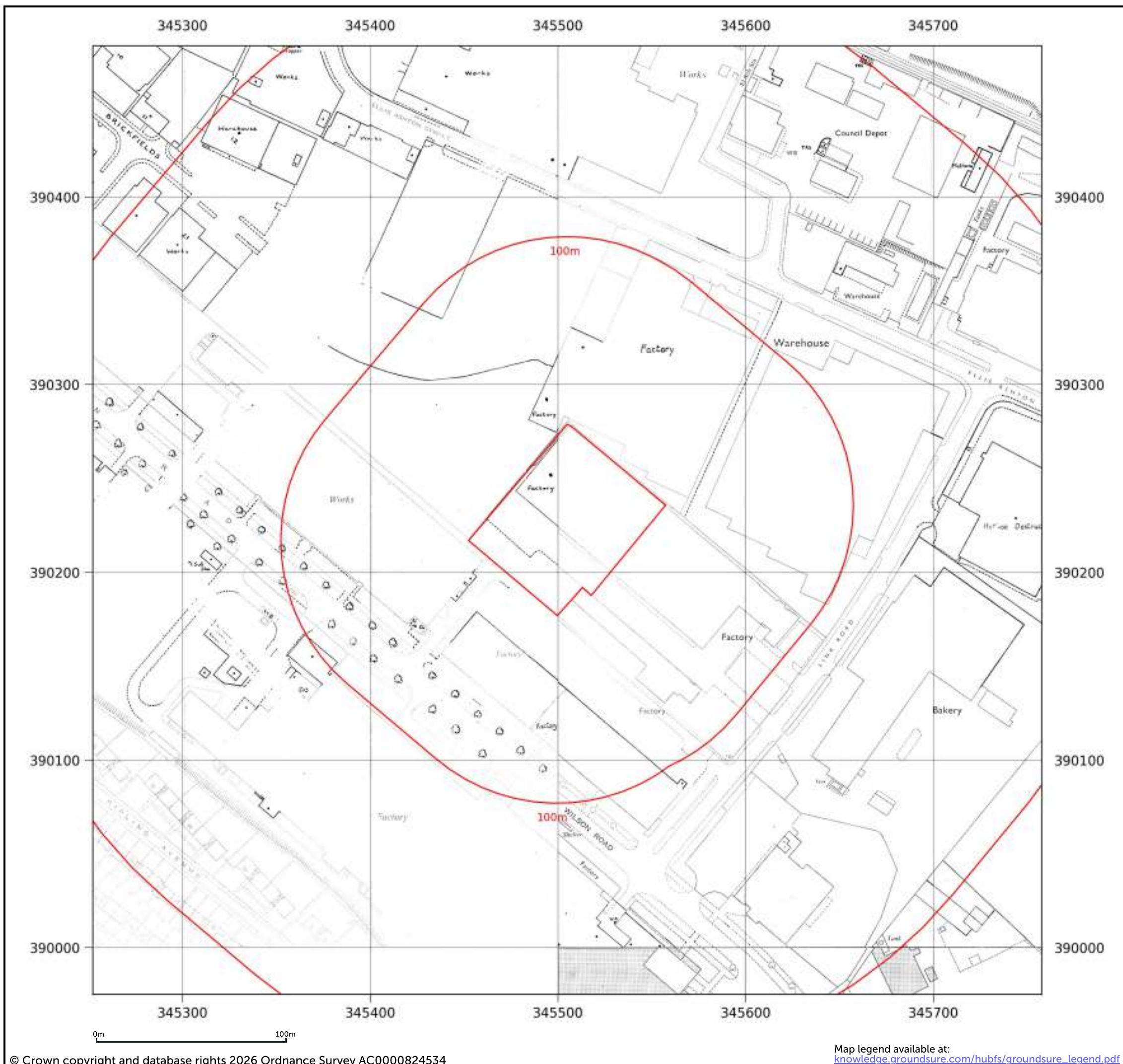
|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 1980-1984     |
| <b>Scale:</b>      | 1:1,250       |
| <b>Printed at:</b> | 1:2,000       |



|                                                                                    |                                                                                    |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Date: 1980<br>Copyright: 1980<br>Levelled: 1957                                    | Date: 1984<br>Surveyed: 1957<br>Revised: 1984<br>Copyright: 1984<br>Levelled: 1957 |
| Date: 1982<br>Surveyed: 1956<br>Revised: 1981<br>Copyright: 1982<br>Levelled: 1956 |                                                                                    |

Contact us with any questions at:

[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with



|                  |                                               |
|------------------|-----------------------------------------------|
| Site details:    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| Client ref:      | CMAPS-CM-1267507-4199-100326                  |
| Report ref:      | CMAPS-CM-1267507-4199-100326HIS               |
| Grid ref:        | 345504.9, 390227                              |
| Production date: | 10 March 2026                                 |

|             |               |
|-------------|---------------|
| Map name:   | National Grid |
| Map date:   | 1987-1992     |
| Scale:      | 1:1,250       |
| Printed at: | 1:2,000       |

Date: 1987  
Surveyed: 1957  
Revised: 1987  
Copyright: 1987  
Levelled: 1957

Date: 1989  
Surveyed: 1957  
Revised: 1989  
Copyright: 1989  
Levelled: 1957

Date: 1992  
Surveyed: 1956  
Revised: 1992  
Copyright: 1992  
Levelled: 1956

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)

© Crown copyright and database rights 2026 Ordnance Survey AC0000824534

Map legend available at:  
[knowledge.groundsurre.com/hubfs/groundsurre\\_legend.pdf](https://knowledge.groundsurre.com/hubfs/groundsurre_legend.pdf)

Groundsure  
LOCATION INTELLIGENCE

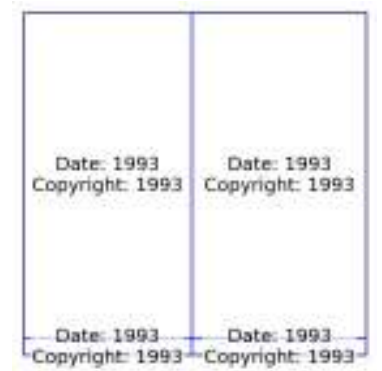
Ordnance Survey  
Licensed Data

In partnership with

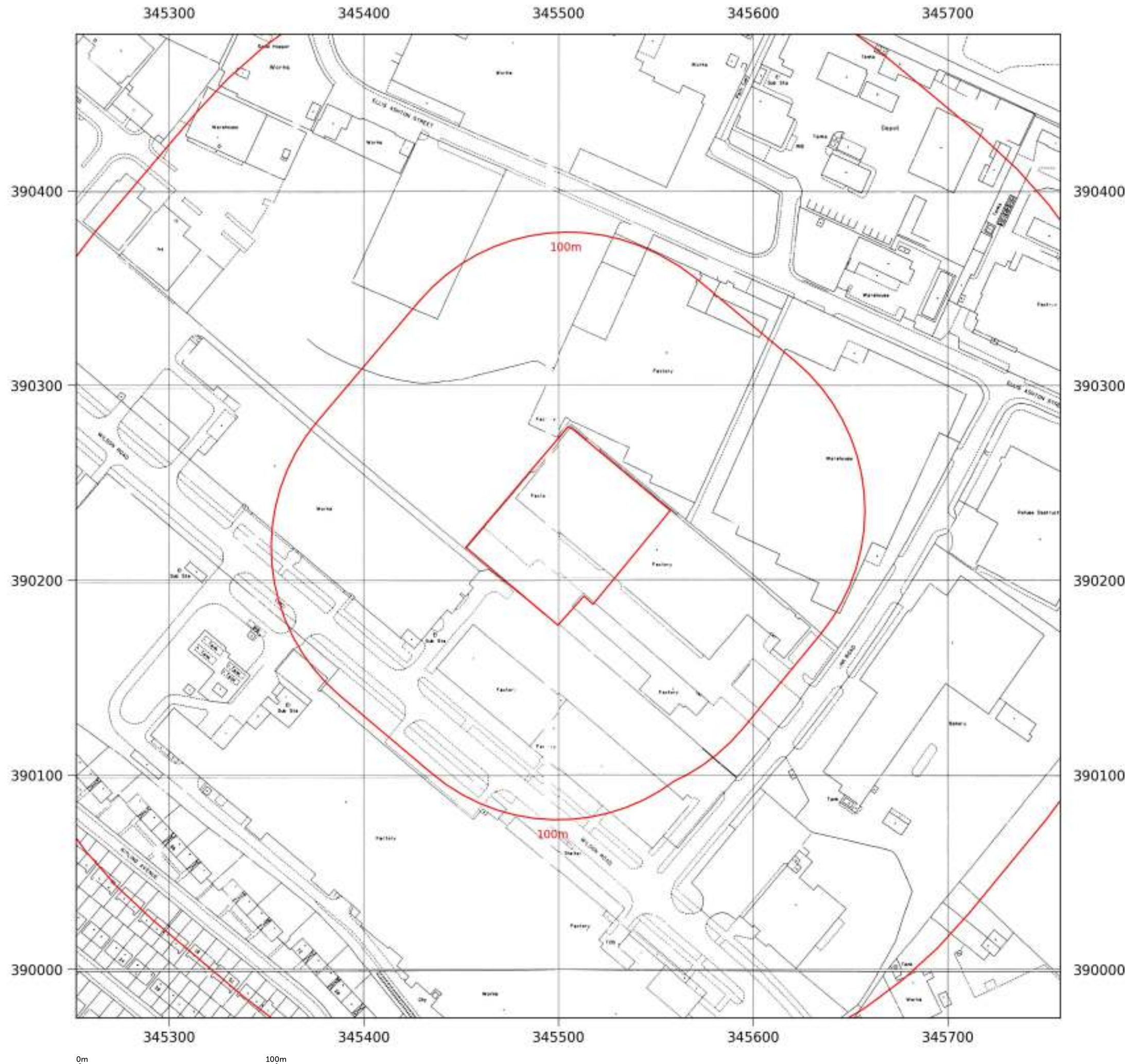


|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAFS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAFS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 1993          |
| <b>Scale:</b>      | 1:1,250       |
| <b>Printed at:</b> | 1:2,000       |



Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with

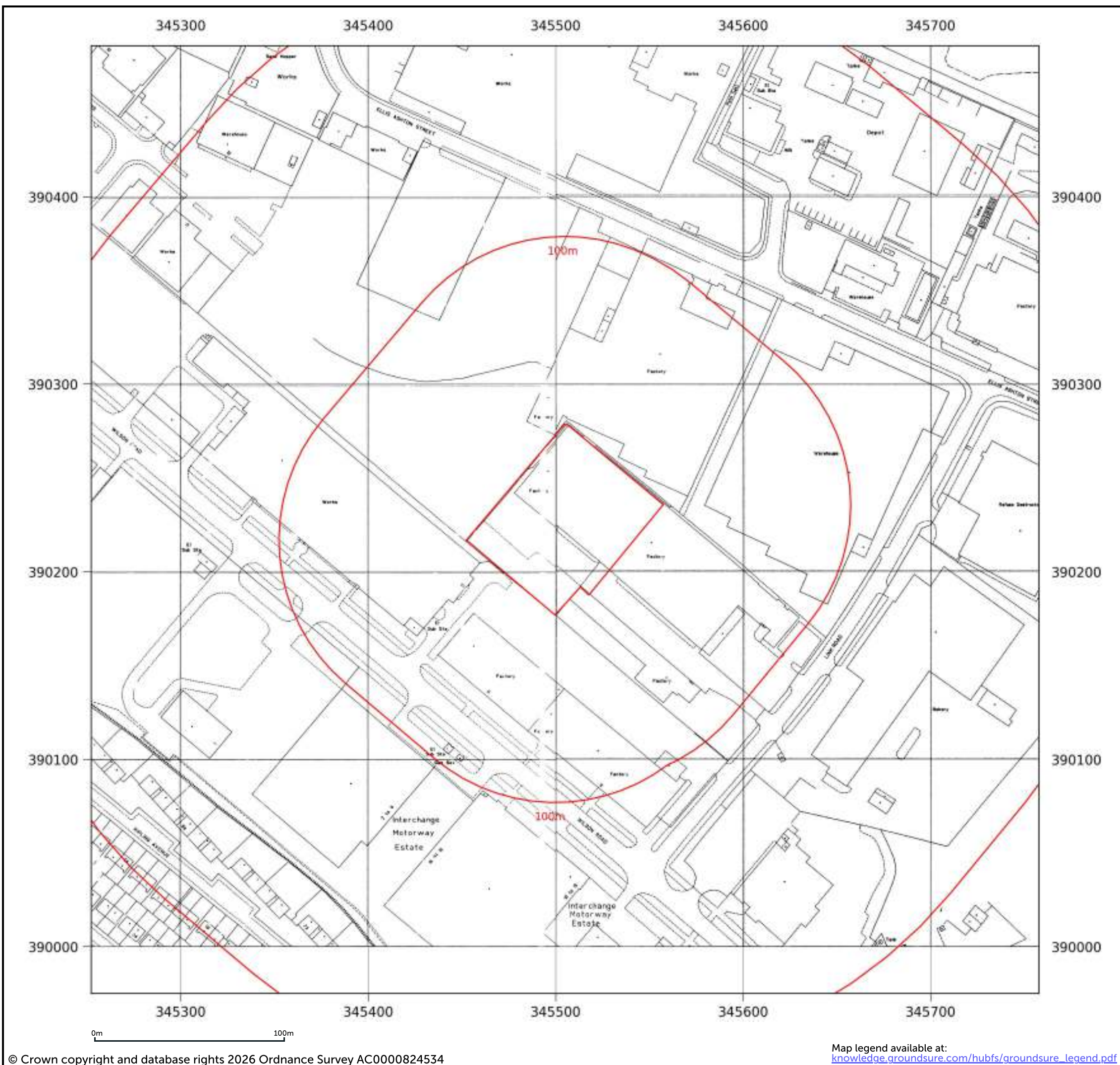


|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAFS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAFS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 1993-1994     |
| <b>Scale:</b>      | 1:1,250       |
| <b>Printed at:</b> | 1:2,000       |



Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



Map legend available at:  
[knowledge.groundsurre.com/hubfs/groundsurre\\_legend.pdf](https://knowledge.groundsurre.com/hubfs/groundsurre_legend.pdf)

In partnership with



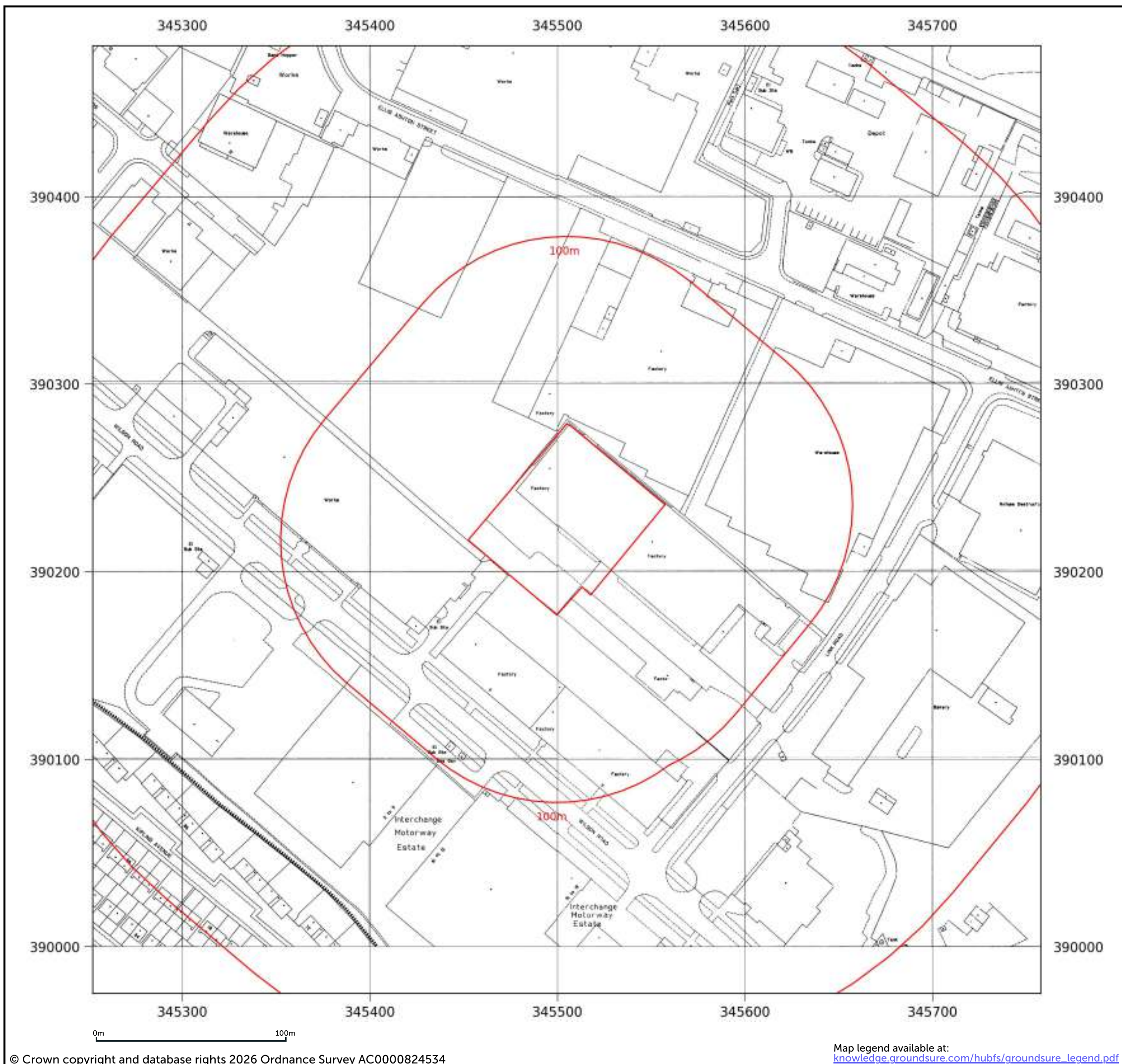
|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>Site details:</b>    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| <b>Client ref:</b>      | CMAFS-CM-1267507-4199-100326                  |
| <b>Report ref:</b>      | CMAFS-CM-1267507-4199-100326HIS               |
| <b>Grid ref:</b>        | 345504.9, 390227                              |
| <b>Production date:</b> | 10 March 2026                                 |

|                    |               |
|--------------------|---------------|
| <b>Map name:</b>   | National Grid |
| <b>Map date:</b>   | 1994          |
| <b>Scale:</b>      | 1:1,250       |
| <b>Printed at:</b> | 1:2,000       |



|                                                                  |                               |
|------------------------------------------------------------------|-------------------------------|
| Date: 1994<br>Surveyed: 1994<br>Revised: 1994<br>Copyright: 1994 | Date: 1994<br>Copyright: 1994 |
|------------------------------------------------------------------|-------------------------------|

Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



In partnership with

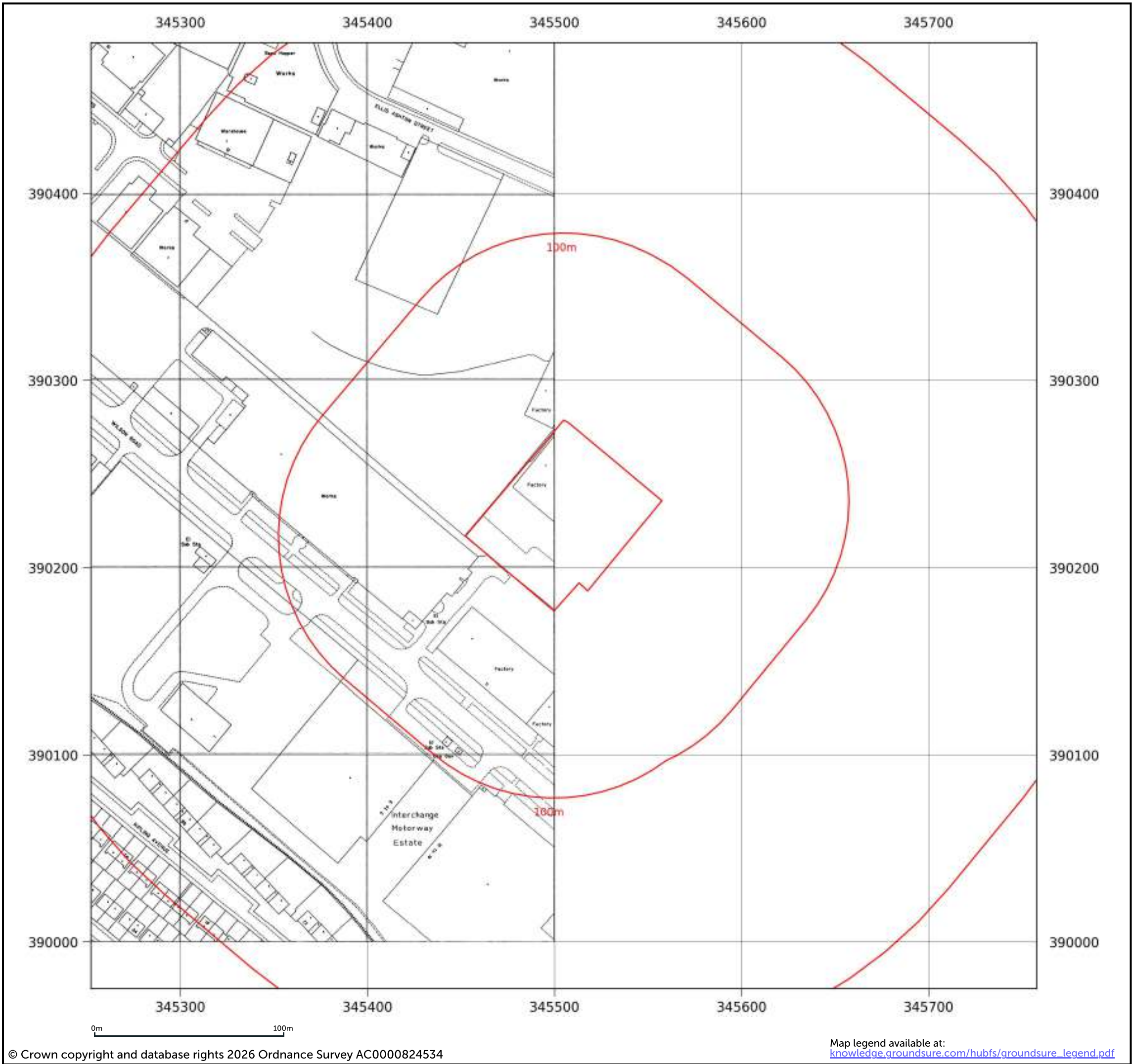


|                  |                                               |
|------------------|-----------------------------------------------|
| Site details:    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| Client ref:      | CMAPS-CM-1267507-4199-100326                  |
| Report ref:      | CMAPS-CM-1267507-4199-100326HIS               |
| Grid ref:        | 345504.9, 390227                              |
| Production date: | 10 March 2026                                 |

|             |               |
|-------------|---------------|
| Map name:   | National Grid |
| Map date:   | 1994          |
| Scale:      | 1:1,250       |
| Printed at: | 1:2,000       |



Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)



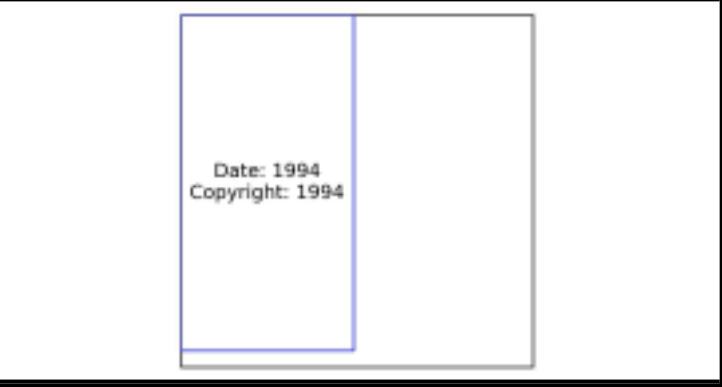
Map legend available at:  
[knowledge.groundsurre.com/hubfs/groundsurre\\_legend.pdf](https://knowledge.groundsurre.com/hubfs/groundsurre_legend.pdf)

In partnership with

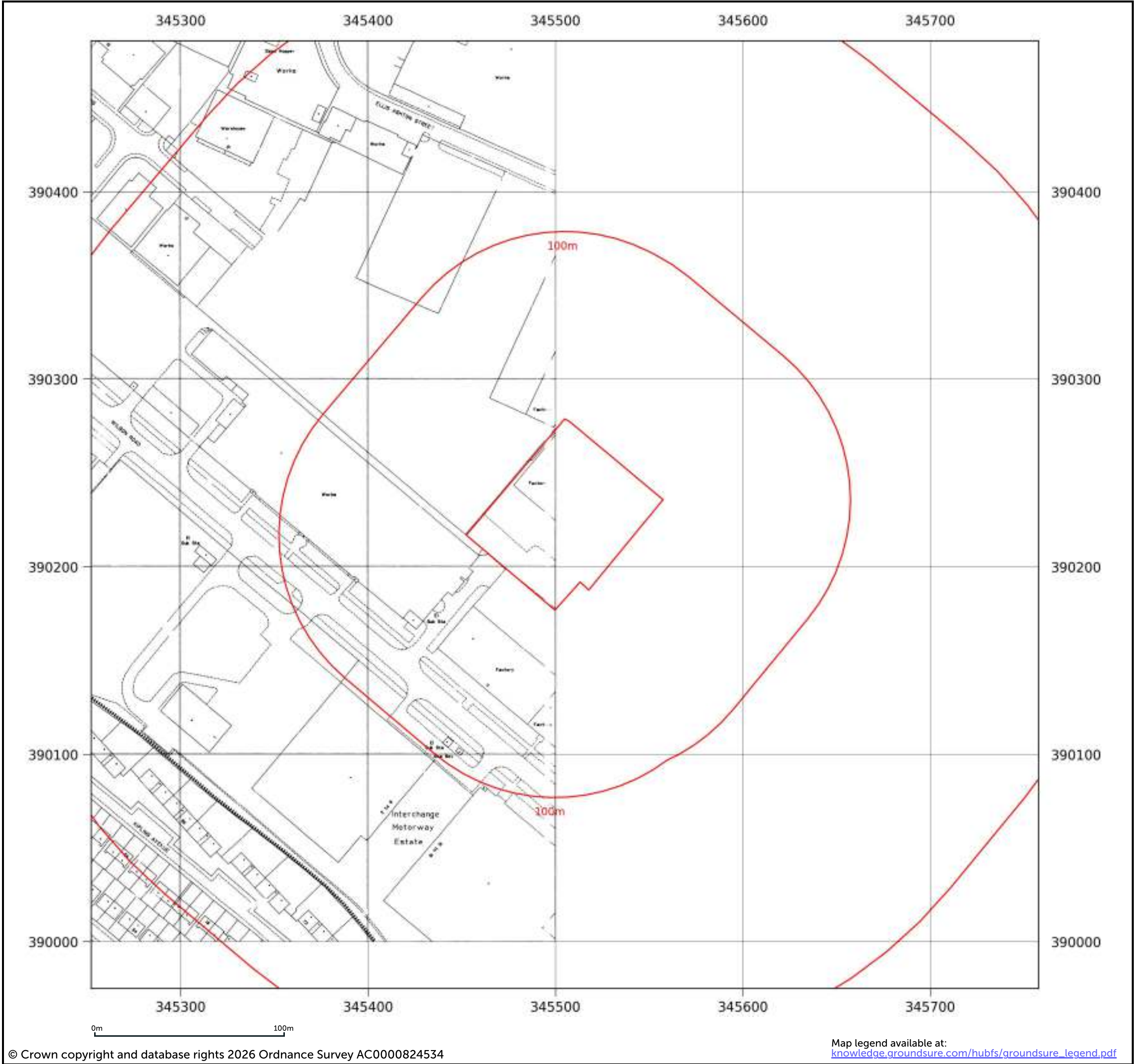


|                  |                                               |
|------------------|-----------------------------------------------|
| Site details:    | Land at Link Road, Liverpool, Huyton, L36 6AP |
| Client ref:      | CMAPS-CM-1267507-4199-100326                  |
| Report ref:      | CMAPS-CM-1267507-4199-100326HIS               |
| Grid ref:        | 345504.9, 390227                              |
| Production date: | 10 March 2026                                 |

|             |               |
|-------------|---------------|
| Map name:   | National Grid |
| Map date:   | 1994          |
| Scale:      | 1:1,250       |
| Printed at: | 1:2,000       |

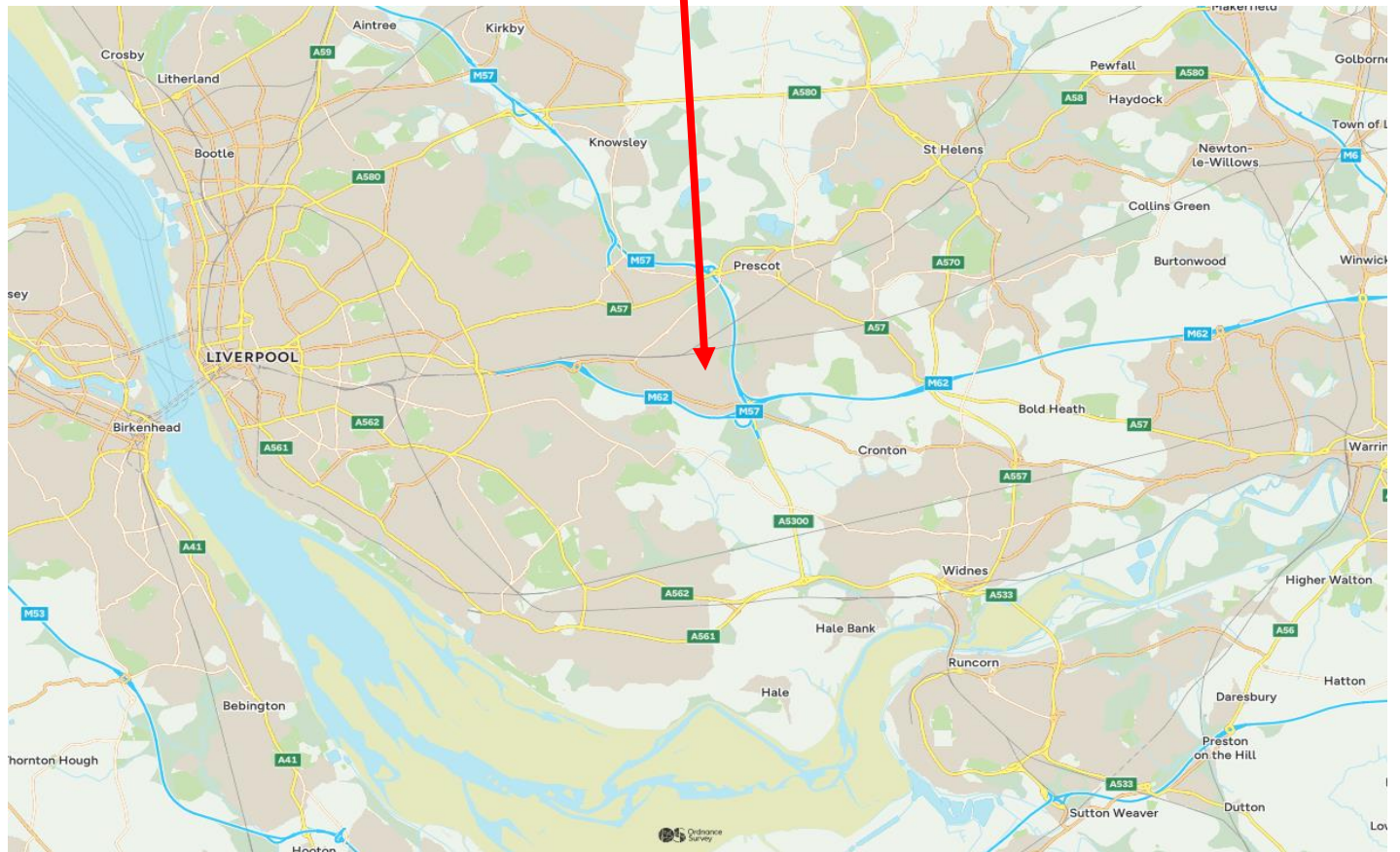
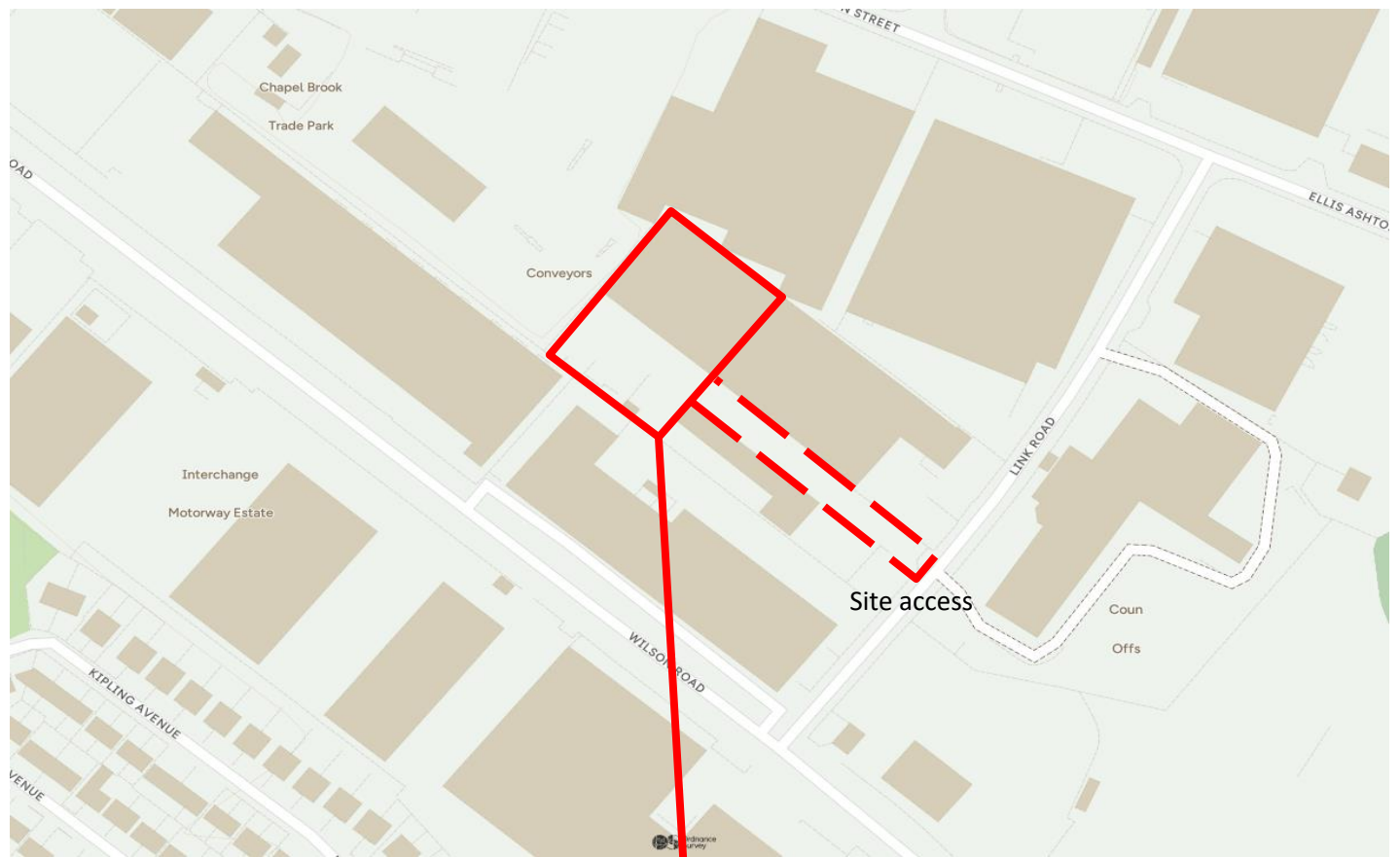


Contact us with any questions at:  
[info@centremaps.co.uk](mailto:info@centremaps.co.uk)





## FIGURES



CROWN COPYRIGHT © REPRODUCED FROM THE ORDNANCE SURVEY WITH THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONARY OFFICE. LICENCE NO: 100033464

|                                                                                                                                                                                           |                          |               |                                                                                                       |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|-------------------------------------------------------------------------------------------------------|---------------------|
| <b>SS SUB SURFACE</b><br>SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS<br>3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907 | Site Location Plan       |               |                                                                                                       |                     |
| Site:<br>LAND AT LINK ROAD, HUYTON, KNOWSLEY, MERSEYSIDE<br>L36 6AP                                                                                                                       | Date Drawn:<br>19-Mar-26 | Date Checked: | Orientation:<br> | Job Number:<br>8362 |
| Client:<br>GREEN RECOVERY SOUTH WEST LIMITED                                                                                                                                              | Drawn By:<br>JH          | Checked By:   | Scale:<br>—                                                                                           | Figure Number:<br>1 |



|                                                                                                                                                                                           |                          |               |                                                                                                       |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|-------------------------------------------------------------------------------------------------------|---------------------|
| <b>SS SUB SURFACE</b><br>SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS<br>3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907 | Walkover Survey Plan     |               |                                                                                                       |                     |
| Site:<br>LAND AT LINK ROAD, HUYTON, KNOWSLEY, MERSEYSIDE<br>L36 6AP                                                                                                                       | Date Drawn:<br>19-Mar-26 | Date Checked: | Orientation:<br> | Job Number:<br>8362 |
| Client:<br>GREEN RECOVERY SOUTH WEST LIMITED                                                                                                                                              | Drawn By:<br>JH          | Checked By:   | Scale:<br>—                                                                                           | Figure Number:<br>2 |



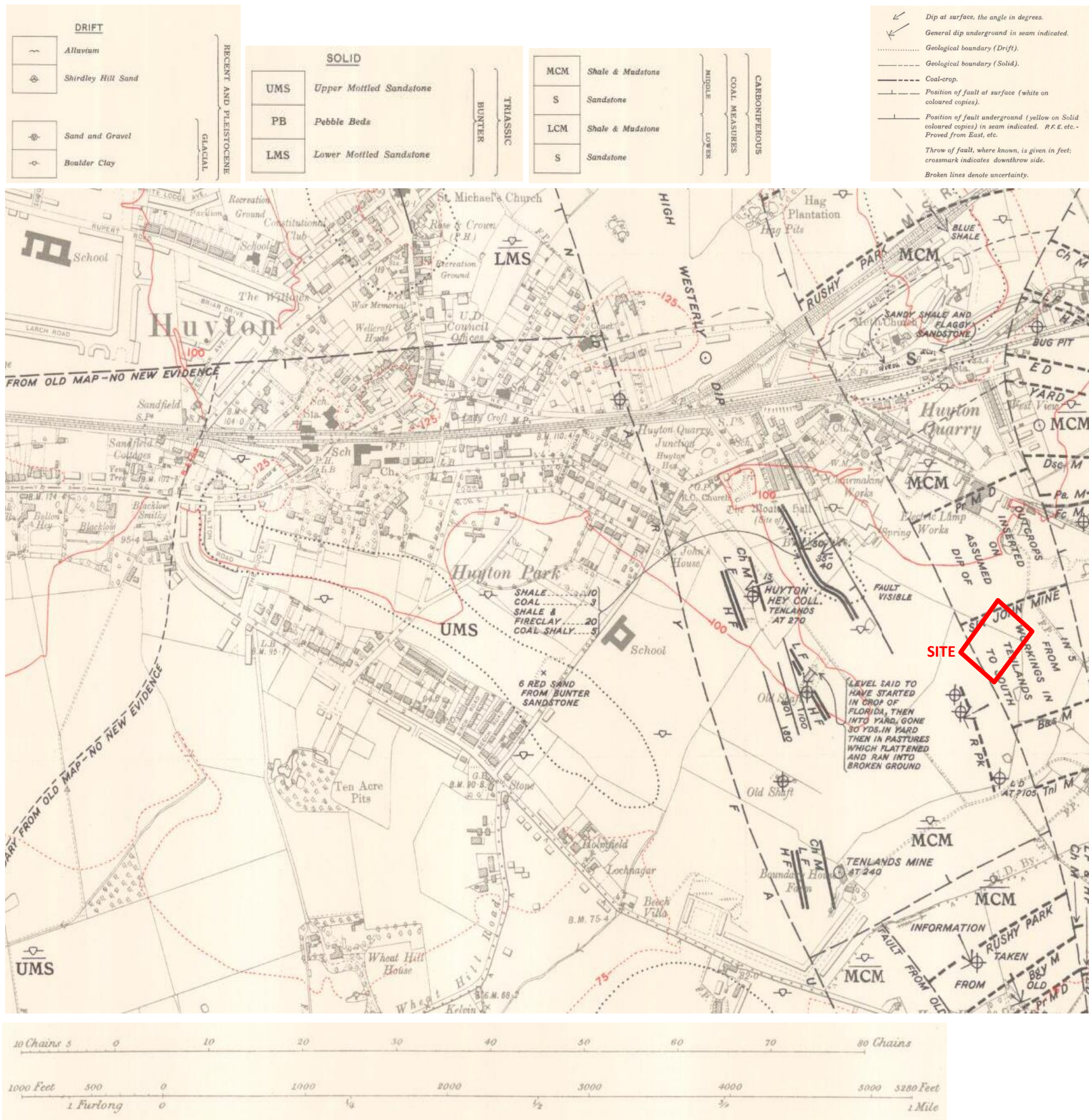
|                                                                                                                                                                                           |                           |               |                                                                                                       |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------|-------------------------------------------------------------------------------------------------------|---------------------|
| <b>SS SUB SURFACE</b><br>SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS<br>3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907 | Proposed Development Plan |               |                                                                                                       |                     |
| Site:<br>LAND AT LINK ROAD, HUYTON, KNOWSLEY, MERSEYSIDE<br>L36 6AP                                                                                                                       | Date Drawn:<br>19-Mar-26  | Date Checked: | Orientation:<br> | Job Number:<br>8362 |
| Client:<br>GREEN RECOVERY SOUTH WEST LIMITED                                                                                                                                              | Drawn By:<br>JH           | Checked By:   | Scale:<br>-                                                                                           | Figure Number:<br>3 |

GENERALIZED  
VERTICAL SECTION  
OF THE  
CARBONIFEROUS ROCKS

Vertical Scale 1inch is 176 feet

MIDDLE COAL MEASURES

|                                 |        |
|---------------------------------|--------|
| FELCROFT MINE                   | Fc M   |
| PASTURES MINE                   | Pa M   |
| DISCOVERY MINE                  | Dsc M  |
| YARD MINE                       | YARD   |
| EARTHY DELF                     | ED     |
| HIGHER FLORIDA MINE             | H F    |
| LOWER FLORIDA MINE              | L F    |
| CHESHIRE MINE                   | Ch M   |
|                                 | S      |
| TENLANDS MINE                   | Tnl M  |
| BASTIANS MINE                   | Bas M  |
|                                 | S      |
| SIR JOHN MINE                   | S J M  |
| WHISTON OR<br>PRESCOT MAIN DELF | Pr M D |
| BURGY MINE                      | Bgy M  |
|                                 | S      |
| RUSHY PARK MINE                 | R Pk   |
| LITTLE DELF                     | L D    |



|                                                                                                                                                                  |  |                                                            |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|--|
| Extract from BGS sheet 107SW (Lancashire)                                                                                                                        |  | JOB NUMBER: 8362                                           |  |
| DATE DRAWN: 19-Mar-26                                                                                                                                            |  | ORIENTATION:                                               |  |
| DATE CHECKED:                                                                                                                                                    |  | FIGURE NUMBER: 4                                           |  |
| DRAWN BY: JH                                                                                                                                                     |  | SCALE: 1:9,301                                             |  |
| SUB SURFACE                                                                                                                                                      |  | Client: GREEN RECOVERY SOUTH WEST LIMITED                  |  |
| SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS<br>3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907 |  | LAND AT LINK ROAD, HUYTON, KNOWSLEY, MERSEYSIDE<br>L36 6AP |  |