

HALSNEAD FARM

PHASE 1 PRELIMINARY RISK ASSESSMENT WITH COAL MINING RISK ASSESSMENT

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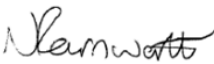
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EXECUTIVE SUMMARY

Appointment	Curtins were instructed by Starship Group to undertake a Phase 1 Preliminary Risk Assessment with Coal Mining Risk Assessment (PRA/CMRA) at Halsnead Farm, Fox's Bank Lane, Whiston, L35 3SU. The site is approximately centred on 347620, 389610 and covers an area of approximately 3.43 Ha. It is understood that the development project consists of a proposal of 88 modular residential units with appropriate infrastructure to accompany.
Current Site Status	The site is currently comprised of agricultural land including fields, barns and yards with the addition of a single dwelling. The site can be accessed off Fox's Bank Lane which runs along the eastern boundary of site.
Site History	The earliest available mapping (1849) shows the site as agricultural fields with a pond recorded onsite. Between 1937 and 1990 structures have been recorded onsite associated with agricultural practice, including a tank. The pond has been infilled by early 1980s. The site has remained Halsnead Farm with associated buildings onsite and agricultural land since 1950's. In early mapping, the immediate surrounding area comprised agricultural fields with Sour Hey Pit recorded 500m west and Potter Pit 500m west which were opencast mines. From 1927 the Mineral Railway is recorded 500m southwest of the site and the Cronton Colliery is recorded 200m south of the site which encompasses three shafts, railway sidings, reservoir and pumping house. The colliery undergoes expansion from 1937 including a baths, sewage works and filter beds. A brick works is recorded 400m south of the site from 1950s. The M62 has been developed between 1960s and 1980s which is recorded immediately north of the site. By 1977, the Mineral Railway and railway sidings have been demolished. By 1980, two large lakes within the colliery are recorded 100m and 250m south of the site. During the 1980's works at Cronton Colliery ceased and was demolished during the 1990's. Former Cronton Colliery site has undergone significant development since 2022 with the construction of a logistical unit.
Geology	BGS mapping indicates the site is underlain by Glacial Till for the majority of the site and Alluvium for the eastern edge (superficial) and the Kinnerton Sandstone Formation (bedrock). The site is in a lower probability radon area where <1% to 3% of homes are estimated to be at or above the radon Action Level.
Non-Coal Mining	The closest BGS recorded mineral site was 'The Old Delf' located 612m west of the site where Sandstone of the Pennine Middle Coal Measures was extracted. Based on the forgoing commentary the likelihood of encountering relic non-coal mining features on-site is unlikely and, therefore, the risk to the proposed development of non-coal mining features is Low.
Coal Mining Risk Assessment	The Pennine Lower Coal Measures are recorded within 100m southwest of the site. The Eccleston West Fault runs north-south, approximately 90m west of the site, and records Kinnerton Sandstone Formation underlying the site. The Mining Remediation Authority records indicate the site is not situated within a Development High Risk Area. There are no recorded shallow coal mine workings or potentially unrecorded shallow coal mine workings beneath the site. There are 3 No. mine entries located between 215-260m from the site boundary. The Mining Remediation Authority records also indicate that 1 No. previous ground investigation has been completed to the south of the site where the historic Cronton Colliery is located. The Mining Remediation Authority advised that previous Mine Gas remedial works have been carried out on the three mine shafts within the historic Colliery. Knowsley Council planning portal confirms Mine shaft treatment and grouting of the mine shafts and colliery which mitigates any risk from Mine gases or shallow mine works onsite. A review of Mining Remediation Authority guidance "Coal seams with a history of spontaneous combustion" published in 2015 indicates that seams may have a history of spontaneous combustion where roof coal has been left in place. The risk associated with deep mine workings, including the presence of shafts, is considered to be Low, due to no mine entries recorded within influencing distance of the site (within 100m), and in absence of recorded workings beneath or within the site. Accounting for the past shallow coal mine workings and potentially unrecorded shallow workings beneath the site, the risk associated with shallow coal mining (voids, broken ground etc) is Low due to no probable shallow coal mine workings recorded beneath the site, the site not being within a coal mining high risk area, the site is not within the Pennine Middle Coal Formation and the dip of the nearest coal seam (Higher Florida Seam) dipping away from site, towards the southwest. It is unlikely for the release of mine gas emissions sourced from unrecorded worked coal seams beneath the site during future drilling or construction. Although no named coal seams beneath the site have a history of spontaneous combustion, spontaneous combustion may occur where roof coal is left in place.
Hydrogeology	The site is underlain by a Principal Aquifer associated with the bedrock formation, and a Secondary Undifferentiated Aquifer associated with Glacial Till deposits and a Secondary A aquifer associated with the Alluvium within the superficial deposits. The site is not located within a Zone 3 Source Protection Zone (SPZ).

Hydrology	There are no recorded potable groundwater abstractions within 500m of the site.
	The nearest surface water feature is an unnamed river, located 37m southwest of the site. The closest recorded active surface water abstraction point is located 419m south-west of the site, operated by C.White Limited Cooling & Boiler Feed & Coal Washing & Dust Suppression. There one discharge consent within 250m of the site boundary located 37m southwest and is operated by North West Development Agency. No pollution incidents or substantiated pollution incidents have been recorded within 250m of the site within the last 10 years.
Landfill and Pollution	There are no currently operational BGS recorded landfill sites or historical landfills located within 500m of the site. There are no licensed waste management facility located within 500m of the site. There are no active Local Authority Pollution Prevention and Control Permits located within 500m of the site.
	The site is recorded to be in a Low risk UXO area. No ruins are recorded on post-war mapping and the Royal Bolton Hospital Maternity Unit was constructed following the war further limiting the potential for encountering UXO during the ground investigation. Therefore, the likelihood of encountering UXO on site as part of the ground investigation works is low based on the available information and the risk is assessed as Low. For below ground demolition or construction works the principal contractor should carry out their own UXO risk assessments with specific consideration of their scope of works.
Initial Ground Contamination Assessment	The risk from Made Ground posed to the site's end-users is considered to be Moderate/Low. Development proposals include the construction of 88 residential properties, therefore, hardstanding removing the direct contact pathway. Limited sources of volatile contamination have been identified. Accounting for the use of PPE and sanitary facilities during ground and construction works, the risk posed to construction and maintenance workers is Moderate/Low. The risk posed to surface water is considered to be Low due to the anticipated presence of cohesive soils breaking the migration pathway. Should evidence of gross contamination be encountered during future ground investigation, groundwater samples should be obtained to further assess the risk the surface water features. Due to the anticipated presence of cohesive breaking the migration pathway to the underlying Principal Aquifer within the bedrock deposits, the risk posed to groundwater is Low. The risk posed to site end-users from ground generating gases arising from organic / putrescible soils (Made Ground, infilled pond on site) and potentially unrecorded nearby worked coal seams is considered to be Moderate / Low.
	Ground stability hazards (collapsible ground, ground dissolution, landslide, running sand or shrinking/swelling clay) on site are generally recorded as Very Low to No Hazard. A moderate risk rating for compressible ground has been noted for the east of the site where the site is underlain by Alluvium deposits. This should be confirmed by site reconnaissance and ground investigation. There may be subsurface obstructions, voids and relic foundations associated with historical buildings.
Recommendations	The following recommendations are made: • Undertake an intrusive ground investigation to collect chemical and geotechnical samples to inform human health risk assessment and geotechnical assessment. • Install monitoring wells to allow for monitoring sub-surface conditions, including ground gas and groundwater monitoring. • Where evidence of gross contamination or groundwater contamination is identified, groundwater samples may be required to further assess the risk to human health or controlled waters. • Undertake a GQRA as part of the ground investigation to determine contaminated land risks.

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1 INTRODUCTION

1.1 Project Background

Curtins were instructed by Starship Group to undertake a Phase 1 Preliminary Risk Assessment with Coal Mining Risk Assessment (PRA/CMRA) at Halsnead Farm, Fox's Bank Lane, Whiston, L35 3SU.

It is understood that the development project consists of up to 90 residential dwellings with appropriate infrastructure to accompany.

1.2 Scope of Services

The Phase 1 PRA/CMRA is intended to provide an overview of the geo-environmental and geo-technical setting of the site with consideration of the proposed demolition and construction works.

These works are undertaken in general accordance with the LCRM: Stage 1 risk assessment (Ref. 1). Through this overview the Phase 1 aims to develop both a working conceptual and ground model for the site, as well as present an initial assessment of any risks that could be presented to the development including its intended end users and the wider environment.

Specifically, the Phase 1 provides an initial assessment of the site regarding:

- a) Potential contamination of the site strata by historical and or current use;
- b) The potential impact on the wider environment by historical and or current use of the site of interest;
- c) The potential impact from surrounding land uses and other environmental factors;
- d) Potential problems associated with geological features such as faulting, mineral extraction, mining, with particular consideration of coal mining legacy, and land instability;
- e) The location of apparent sub-surface structures that may affect the proposed redevelopment; and
- f) The location of above-surface features that may affect the proposed redevelopment.

Consideration of detailed flood risk, ecology and archaeological issues are outside of the scope of this report.

1.3 Historical Reporting

Curtins have undertaken a Foursite report previously (Ref. 087052-CUR-XX-XX-T-Z-00001) for the site which details a multi disciplinary summary in respect to the subject site dated January 2025.

2 CURRENT SITE AND SURROUNDING AREA DETAILS

2.1 Current Site Status

Site use, location and description are shown below in *Table 1* and *Figure 1*.

Table 1 – Site Details

Site Address	Land West of Fox's Bank Lane, Whiston, L35 3SU
NGR	347620, 389610
Area of Site	Approximately 3.43 Ha.
Current Site Use and Description	The site is currently comprised of agricultural land including fields, barns and yards with the addition of a single dwelling. The site can be accessed off Fox's Bank Lane which runs along the eastern boundary of site.

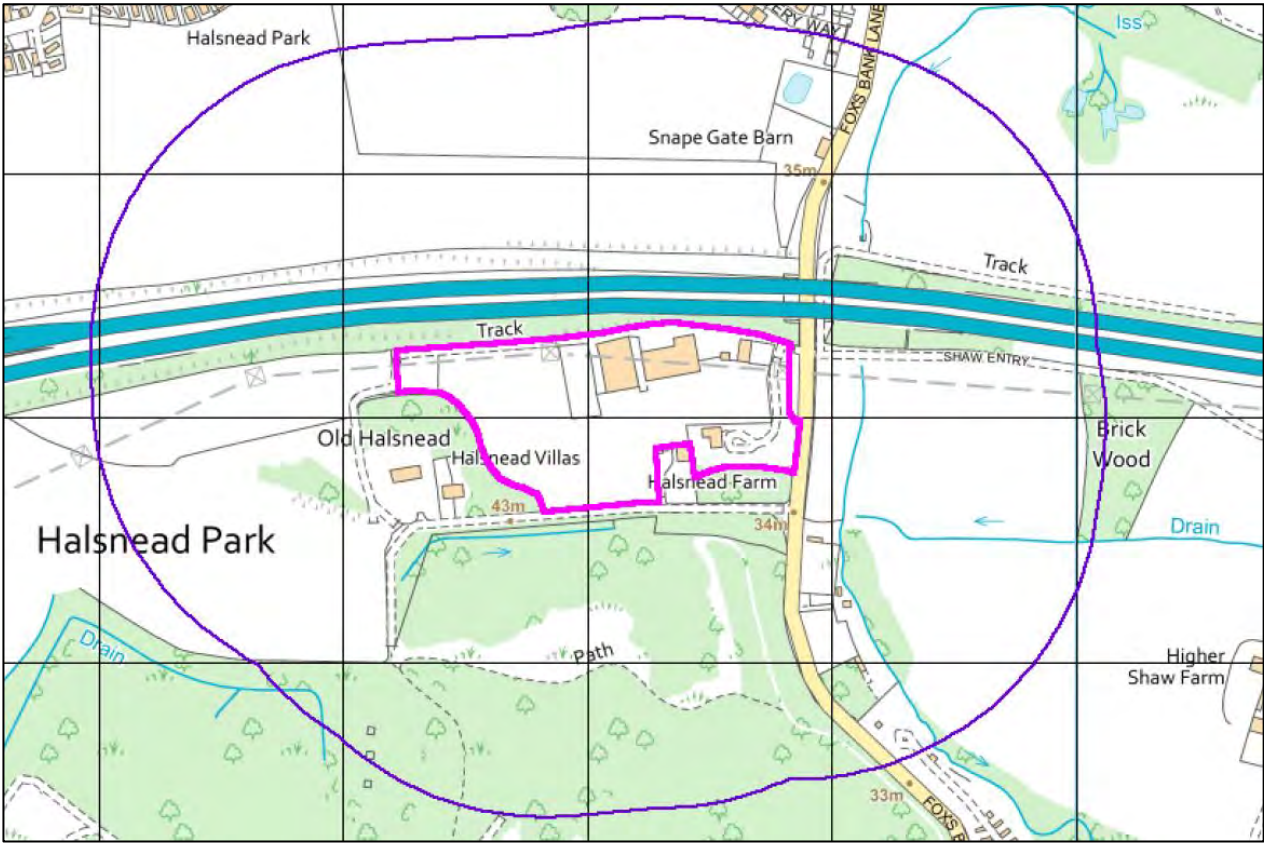


Figure 1 – Site Location Plan, site boundary shown in pink, 250m buffer in purple.

2.2 Surrounding Area Details

The following information was also established during the site visit and through undertaking an environmental database search (Envirocheck report (Ref. 2) included in *Appendix B*).

Table 2 – Surrounding Area

Surrounding Area	N	M62 Motorway.
	E	Fox's Bank Lane.
	S	Four residential properties and a new logistics hub for Yodel.
	W	Agricultural land.

3 SITE HISTORY

A review of the available historical mapping and other information for the site, as presented within the Envirocheck report (Ref. 2), has been undertaken and is presented in Table 3 below. Bold text indicates within the site boundary.

Table 3 – Previous Site and Surrounding Area Uses and Potential Sources of Contamination

Date	Description	Potential Sources of Contamination
1849 – 1900's	Earliest available mapping (1849) shows the site as undeveloped agricultural fields, with land use largely occupied by open fields with a forested area noted in the northeast of the site. By the 1890's a pond feature is recorded in the northeast of the site. In early mapping, the surrounding area comprised of largely undeveloped agricultural land. During this period features described as Sour Hey Pit and Ravenhurst Pit are recorded approximately 500m and 600m southwest respectively, and Potter Pit approximately 500m west. It is possible that these pits are associated with the opencast extraction of coal. By 1890's a farmhouse noted immediately southwest of the site and roads are present at the sites southern and eastern boundary (now recorded as Fox Bank Lane).	• Potential for organic rich soils due to pond on site. • Potential for uncontrolled deposition of Made Ground during the construction of nearby farmhouse and roads.
1900's – 1950's	By 1937 two small buildings are recorded in the southeast of the site and then by 1959 the site has been partially developed with large agricultural buildings constructed in the northeast of the site. All new structures are connected to the existing road at the sites' southern boundary with a vertical path that runs in a north to south direction. In 1927, Cronton Colliery is recorded approximately 200m south of the development site. The Colliery comprises of four large structures with several smaller associated buildings and chimneys. 1927 mapping records three shafts located in the centre of the colliery, approximately 215m, 235m and 260m from the site. A Railway recorded as the 'Mineral Railway' is present approximately 500m southwest of the site with associated railway sidings present at Cronton Colliery located 250m south of the development site. During this period a reservoir and associated pumping house is recorded approximately 500m south of the site. By 1937, the colliery has been expanded to the north, with a building recorded as baths and a sewage works with associated filter beds now recorded approximately 100m south of the site. By the 1950's a brick works is recorded immediately adjacent to Cronton Colliery approximately 400m south of the site. A large slag heap associated with the colliery works is recorded approximately 250m south of the site by 1951.	• Potential for uncontrolled deposition of Made Ground during the construction of buildings onsite. • Potential for uncontrolled deposition of Made Ground during the construction and expansion of the colliery. • Potential for mine gases associated with the shafts within the colliery. • Potential for slag heaps and Made Ground from Railway sidings associated with the mineral railway within the colliery.
1960's – 2000's	By 1975, agricultural building located in the northeast of the site have been demolished and replaced by two large rectangular structures. An overhead electric cable with two pylons are recorded in the north of the site running in a west to east direction. By 1981, the pond within the northeast of the site has been infilled and a tank is recorded in the northeast of the site and is assumed to be associated with agricultural practice. During this period, the existing Halsnead Farmhouse has been constructed in the southeast of the site and a bungalow has been constructed immediately south.	• Potential for uncontrolled deposition of Made Ground during demolition onsite, including asbestos due to the age of the building. • Potential for ground gas due to infilled pond on site. • Potential for uncontrolled deposition of Made Ground during the demolition of the colliery and railway line. • Potential Made Ground from M62 motorway development.

Date	Description	Potential Sources of Contamination
2000's – Present	Between 1960s and 1980s the M62 Motorway has been constructed immediately north of the site and runs in a west to east direction. By 1977, the Mineral Railway and associated railway sidings have been demolished. By 1980, two large lakes associated with the colliery works are recorded 100m and 250m south of the site boundary. During the 1980's works at Cronton Colliery ceased and the site was demolished during the 1990's and left vacant.	
	The site has remained largely unchanged since the 1980's and is currently occupied by Halsnead Farm as a horse breeding stable. The former Cronton Colliery site has undergone significant development since 2022 with the construction of the Yodel logistical unit. The site is currently undergoing construction works. Additionally, former agricultural land located approximately 100m north is Currently being developed by Taylor Wimpey into a residential housing, with works having commenced in 2022. By 2024, the reservoir located south is no longer recorded.	• No significant new sources recorded. • Potential for uncontrolled deposition of Made Ground during the construction of the Yodel logistical unit.

Potential sources of on-site contamination are further discussed in *Section 7*.

4 GEOLOGY, HYDROGEOLOGY AND HYDROLOGY

4.1 Geology and Hydrogeology

A study of the Envirocheck records (Ref. 2), British Geological Survey (BGS) 1:50,000 mapping records (Bedrock and Superficial Editions) for Runcorn (Sheet 97) (Ref. 3 & 4) and BGS Geoindex (Ref. 5) indicates the following geological and hydrogeological succession underlying the site:

Table 4 – Geological / Hydrogeological Succession

Geology		Associated Hydrogeological Classification
BGS Records do not indicate the presence of Made Ground beneath the site. However, it is considered likely that Made Ground will be present.		N/A
Majority of the site	Glacial Till ¹	Secondary Undifferentiated Aquifer ⁴
Eastern edge of the site	Alluvium ²	Secondary A Aquifer ⁵
Kinnerton Sandstone Formation ³		Principal Aquifer ⁶

Notes:

1. A heterogenous mixture of clay, sand, gravel, and boulders varying widely in size and shape.
2. Alluvium is unconsolidated material, like clay, silt, sand, and gravel, deposited by flowing water.
3. Sandstone, red-brown to yellow, generally pebble-free, fine- to medium-grained, cross-stratified.
4. Secondary undifferentiated aquifers are aquifers where it is not possible to apply either a Secondary A or B definition because of the variable characteristics of the rock type, these aquifers have only a minor value.
5. Secondary A aquifers comprise permeable layers that can support local water supplies and may form an important source of base flow to rivers.
6. Principal aquifers provide significant quantities of drinking water, and water for business needs. They may also support rivers, lakes and wetlands.

Although Made Ground is not recorded on BGS records, it is likely that Made Ground will be present at the site due to construction of the Halsnead Farm house onsite.

Pennie Middle Coal Measures are recorded approximately 90m southwest of the site.

The site is recorded to be above a Medium Vulnerability Secondary Aquifer associated with the superficial deposits. The bedrock deposits are associated with a Principal Aquifer.

The site is recorded within a Zone 3 Source Protection Zone (SPZ). There are no groundwater abstraction within 500m of the site.

There are no available BGS borehole records located on site. There are two BGS boreholes records available within 100m of the site. These records are detailed within Table 5 below.

Table 5 – BGS Borehole Records

Record Number	Location	Details (Depth to top of strata (m bgl), Description and Thickness)
SJ48NE321	15m North (347760, 389680)	0.00 Medium dense brown fine to medium grained sand with some angular gravel of sandstone with some wood and roots. (1.00m) 01.00 Medium dense fine to medium grained sand and subrounded fine to coarse gravel of sandstone. (0.40m) 1.40 Dense orange fine to medium grained sand with occasional angular fine to coarse gravel of sandstone (2.10m) 3.50 Very weak orange sandstone (recovered as angular fine to coarse gravel) (0.50m) 4.00 Moderately weak to moderately strong purple, orange and light grey interlaminated to very thinly interbedded fine to medium rounded grained sandstone. (6.44m) Borehole completed at 10.44m bgl
SJ48NE303	60m North (347760, 389730)	0.00 Topsoil: Dark brown very sandy silt with some fine roots and some subrounded fine to medium gravel. (0.20m) 0.20 Very dense orange-brown sand with some angular fine to coarse gravel of sandstone, becoming weak sandstone, highly to completely weathered recovered as angular fine to coarse gravel. (1.20m) 1.40 Moderately weak to moderately strong brown orange thickly laminated silty rounded grained sandstone. (8.76m) Borehole completed at 10.16m bgl
SJ48NE624	Approx. 200m southwest (347428, 389337)	0.00m Made Ground (2.00m) 2m Green/Brown stiff clays/hard mudstone (3.00m) 5m Brown clays (4.00m) 9m Grey clay medium hard brown mudstone (5.00m) 14m Medium hard brown mudstone (1.50m) 15m Grey clay/brown mudstone (0.50m) 16m Brown mudstone with siltstone (2.00m) 18m Hard white sandstone (2.00m) 20m Brown mudstone with siltstone (1.00m) 21m Hard grey sandstone with some coal measures (9.00m) 30m Hard grey sandstone (9.00m) 39m Medium hard black COAL (1.00m) 40m Hard grey sandstone (5.50m) 45.5m Medium hard black COAL (0.50m) 46m Medium soft brown/grey mudstone (68.00m) 114m Grey clay (2.00m) 116m Grey clay mudstone (4.00m) 120m Medium soft grey/brown mudstone (4.00m) 124m Medium hard black COAL (8.00m) 132m Medium soft grey/brown mudstone (5.00m) 137m Medium hard black COAL (2.00m) 139m Medium soft light brown mudstone (1.00m) 140m Medium hard black COAL (2.00m) 142m Medium soft grey/brown mudstone (5.00m) 147m Medium hard black COAL (0.5.00m) 147.5m Medium soft grey/brown mudstone (17.50m) 165m Medium hard black COAL (1.00m) 166m Medium soft grey/brown mudstone (17.00m) 183m Hard light brown sandstone (6.00m) 189m Higher Florida seam working (1.00m) Borehole completed at 190.00m bgl.

There are no BGS recorded fault lines located on site. The nearest fault line is present approximately 90m west of the site (Eccleston West Fault Line), which separates the Kinnerton Sandstone from the Pennine Middle Coal Measure Formation (sandstone and mudstone). The fault downthrows in an western direction away from the subject site.

4.1.1 Coal Mining

The Mining Remediation Authority's online interactive mapping (Ref. 6) for the area indicates that the site is located within a coal mining reporting area. However, is not located within a Development High Risk Area. The area is highlighted in Figure 2.

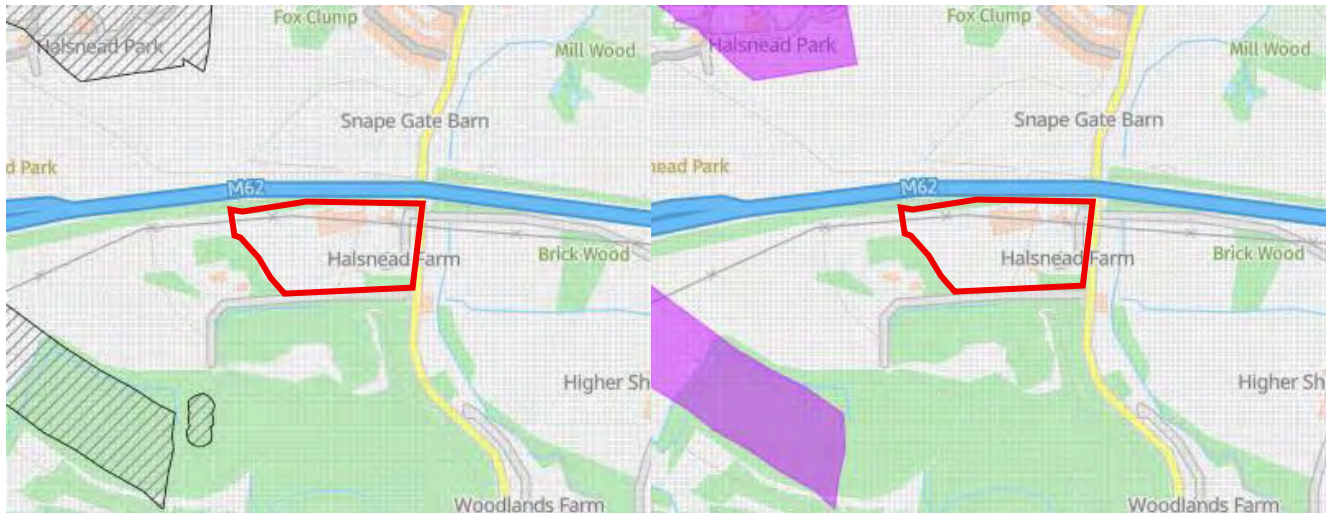


Figure 2 – Mining Remediation Authority Recorded Development High Risk Area (Left) Highlighted in Black Hatching. Mining Remediation Authority Area of Probable Shallow Coal Mine Workings (Right) Highlighted in Purple Hatching. Site Boundary in Red.

Review of the Mining Remediation Authorities interactive mapping does not indicate the presence of shallow coal mine workings, probable shallow coal mine workings or coal outcrops located on site. The interactive map does note a coal out crop approximately 150m southwest of the site which is recorded to be a location of probable shallow coal mine workings. As such this area, is designated as Development High Risk Area with regards to historic coal mining. Mining Remediation Authority Interactive mapping records three mine entries located approximately 250m south of the site

Further discussion on the Coal Mining risk is presented in Section 6.

4.1.2 Non-Coal Mining

The Envirocheck Report (Ref. 2) confirms that the closest BGS recorded (non-coal) mineral site was 'The Old Delf' located 612m west of the site where Sandstone of the Pennine Middle Coal Measures Formation was extracted.

Based on the forgoing commentary the likelihood of encountering relic non-coal mining features on-site is unlikely and, therefore, the risk to the proposed development of non-coal mining features is **Low**.

4.1.3 Other Ground Stability Issues

The Envirocheck Report confirms the following in relation to potential geotechnical hazards highlighted in Table 6 below:

Table 6 – Ground Stability Hazards for the site.

Ground Stability Hazard	Hazard Potential On-site
Collapsible Ground	Very Low
Compressible Ground	No Hazard for the majority of the site. A Moderate rating is given east of the site potentially linked to the alluvium.
Ground Dissolution (Soluble Rocks)	No Hazard
Landslide	Very Low

Ground Stability Hazard	Hazard Potential On-site
Running Sand	Very Low to Low
Shrinking or Swelling Clay	Very Low

Intrusive ground investigation works will confirm the nature of the ground conditions at the subject site.

4.1.4 Radon Ground Gas

The Envirocheck report (Ref. 2) indicates that the site is located within an low to intermediate probability radon area (<1% to 3% of homes are estimated to be at or above the radon action level). The radon online interactive maps (Ref. 7) sets the site within an elevated 10-30% radon area, however the Envirocheck report is based within a smaller scale and therefore more accurate. It is therefore No radon protection measures are likely to be required. Should the new development include construction of a basement the advice of a specialist radon assessor must be obtained.

4.2 Hydrology

The Envirocheck Report indicates that the closest surface water feature is an unnamed river, located 37m southwest of the site.

No pollution incidents or substantiated pollution incidents have been recorded within 250m of the site within the last 10 years.

The closest recorded active surface water abstraction point is located 419m south-west of the site, operated by C.White Limited Cooling & Boiler Feed & Coal Washing & Dust Suppression.

There is one discharge consent within 250m of the site boundary located 37m southwest and is operated by North West Development Agency. The discharge type is recorded as sewage discharge.

4.3 Landfill and Pollution

There are no Historical or BGS Recorded Landfill sites located within 500m of the site.

There are no licenced waste management facilities within 500m of the site boundary.

There are no active Local Authority Pollution Prevention and Control Permits located within 500m of the site.

The Envirocheck (Ref. 2) records one potentially infilled land (non-water) recorded within 250m of the site. This feature is located 241m south and is likely associated with Cronton Colliery.

There is one record of potentially infilled land (water) recorded within 250m site. This feature is located on site and is likely the pond feature discussed in the site history section of the report.

5 PRELIMINARY UNEXPLODED ORDNANCE RISK ASSESSMENT

Military activities including those conducted as part of both the First and Second World Wars have resulted in a legacy of unexploded ordnance (UXO) being present within the shallow soils of the UK.

UXO result from various sources including both allied (military training) and German (bombing raids) with a guide figure of approximately 10% of all munitions failing to function as designed.

An assessment of the likelihood of being UXO encountered has been undertaken to advise any intrusive ground investigation in the event that this is undertaken by Curtins. This risk is influenced by a number of factors including the proximity to strategic targets, the nature of the works being undertaken and evidence of local damage in the post-war periods amongst others. In order to determine the likelihood of UXO being present on a site, a stepwise risk assessment process is followed. This process is outlined within CIRIA C681 Unexploded Ordnance: A Guide for the Construction Industry (Ref. 8).

5.1 Preliminary UXO Assessment

It should be noted that the following assessment will only be applicable to future works with respect to ground investigation works completed by Curtins only. This includes trial pitting and boreholes to determine the nature of the ground conditions for geo-environmental and geotechnical information. Where the client is looking to determine the risk from UXO throughout the entire enabling works and construction phase of the below ground level development, the principal contractor appointed for the enabling and construction works must obtain their own Detailed UXO Risk Assessment Report to advise their specific works, where deemed to be required by the Principal Contractor.

The risk presented by Unexploded Ordnance, identified using preliminary Unexploded Bomb (UXB) risk maps retrieved from Zetica UXO (Ref. 9), indicates that the site is situated in a designated **Low**-Risk area in respect to the potential presence of UXB as a result of World War Two bombing.

The Envirocheck Report historical mapping (Ref. 2) does not indicate any ruins surrounding the site in post war mapping.

Based on the forgoing commentary, the likelihood of encountering UXO on site as part of the intrusive ground investigation works is **Low** and therefore has not been considered further.

For below ground demolition or construction works the principal contractor should carry out their own UXO risk assessments with specific consideration of their scope of works.

If unexploded ordnance is discovered, stop immediately, prevent access to the area, and inform the police. If the site boundary or location changes then the UXO risk should be reassessed.

6 COAL MINING RISK ASSESSMENT

6.1 References

The information presented within the Coal Mining Risk Assessment has been prepared with reference to the following information sources:

- British Geological Society (BGS) Bedrock (2010) 1:50,000 mapping, Sheet No. 097 (Runcorn) (Ref. 3).
- BGS Borehole Records (opensource website) (Ref. 5).
- Mining Remediation Authority Interactive Mapping (Opensource website) (Ref. 6)
- Mining Remediation Authority Coal Mining Consultants Report Document Ref. 51003471944001 (Appendix C) (Ref. 10)

6.2 Geological Setting

A summary of the geological setting for the proposed development site is presented in Section 4.

An extract from BGS Mapping for the area is presented in Figure 3.

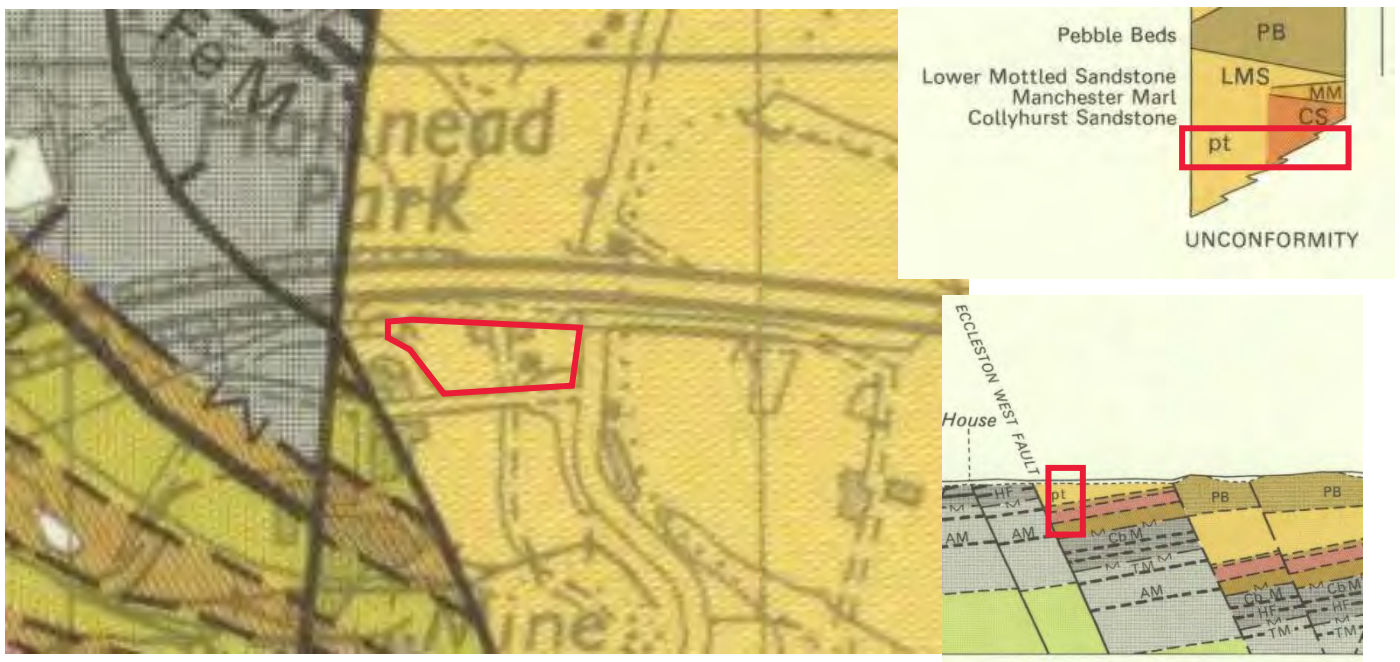


Figure 3 – (1) BGS Geological Mapping extract, 1:50,000 Runcorn (1980) Sheet 097
 (2) Extract from stratigraphic column relating to rocks underlying the site included on the right hand side.
 (3) Section showing geology.
 Approximate Site Boundary in Red.

There are no Pennine Middle Coal Measures recorded onsite. These deposits are located approximately 50m west of the site after the Eccleston West Fault.

6.3 Borehole Records

The nearest deep (>30m) available BGS borehole is recorded approximately 200m southwest of the site. The details of this borehole record is given in Table 7.

Table 7 - Location and strata details of relevant borehole nearby.

Record Number	Location	Details (Depth to top of strata (m bgl), Description and Thickness)	
SJ48NE624	Approx. 200m southwest (347428, 389337)	0m	Made Ground (2.00m)
		2m	Green/Brown stiff clays/hard mudstone (3.00m)
		5m	Brown clays (4.00m)
		9m	Grey clay medium hard brown mudstone (5.00m)
		14m	Medium hard brown mudstone (1.50m)
		15m	Grey clay/brown mudstone (0.50m)
		16m	Brown mudstone with siltstone (2.00m)
		18m	Hard white sandstone (2.00m)
		20m	Brown mudstone with siltstone (1.00m)
		21m	Hard grey sandstone with some coal measures (9.00m)
		30m	Hard grey sandstone (9.00m)
		39m	Medium hard black COAL (1.00m)
		40m	Hard grey sandstone (5.50m)
		45.5m	Medium hard black COAL (0.50m)
		46m	Medium soft brown/grey mudstone (68.00m)
		114m	Grey clay (2.00m)
		116m	Grey clay mudstone (4.00m)
		120m	Medium soft grey/brown mudstone (4.00m)
		124m	Medium hard black COAL (8.00m)
		132m	Medium soft grey/brown mudstone (5.00m)
		137m	Medium hard black COAL (2.00m)
		139m	Medium soft light brown mudstone (1.00m)
		140m	Medium hard black COAL (2.00m)
		142m	Medium soft grey/brown mudstone (5.00m)
		147m	Medium hard black COAL (0.5.00m)
		147.5m	Medium soft grey/brown mudstone (17.50m)
		165m	Medium hard black COAL (1.00m)
		166m	Medium soft grey/brown mudstone (17.00m)
183m	Hard light brown sandstone (6.00m)		
189m	Higher Florida seam working (1.00m)		
Borehole completed at 190.00m bgl.			

This borehole record indicates Made Ground from ground level to 2.00m bgl onto Glacial Till deposits to 9.00m bgl, with deposits indicative of Pennine Middle Coal Measures of Mudstone, Siltstone and Sandstone bedrock encountered from 9.00m bgl. Coal measures are recorded in bands throughout the bedrock with the first recorded at 21.00m bgl. The Higher Florida seam working is recorded at 189.00m bgl.

6.4 Mining Remediation Authority Records

Mining records held by The Mining Remediation Authority have been obtained and reviewed as detailed below.

The Mining Remediation Authority interactive mapping (Ref. 6) indicates the site is located within a coal mining reporting area. However is not located within an area with past and probable shallow coal mine workings or within a Development High Risk Area, as illustrated in Figure 4.

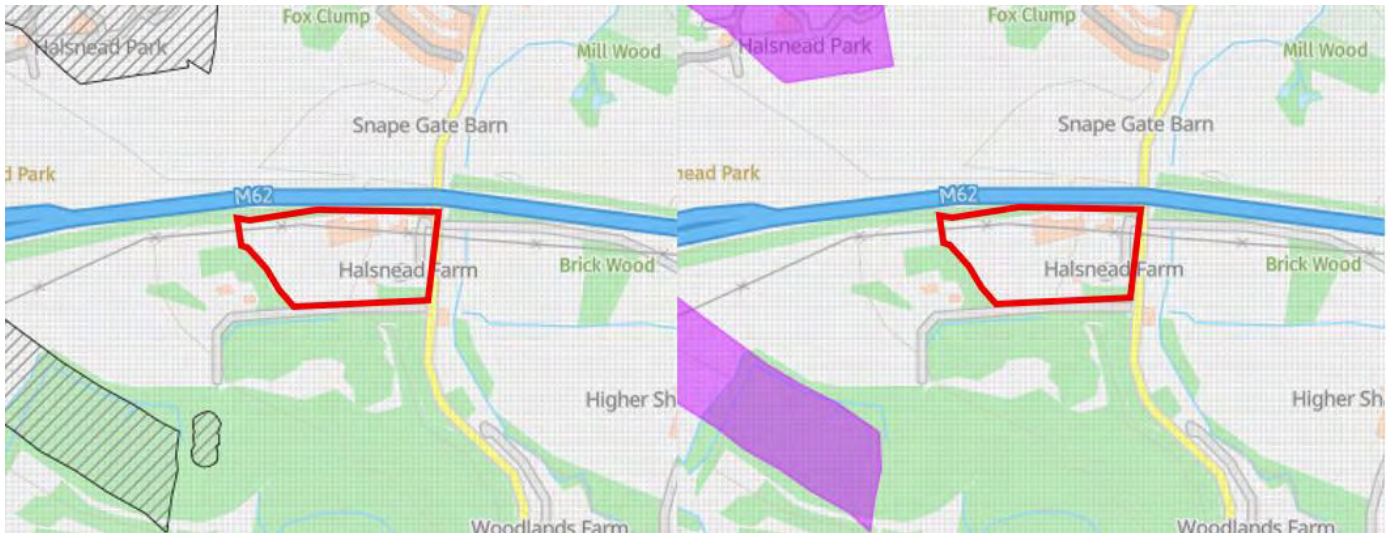


Figure 4 – Mining Remediation Authority Recorded Development High Risk Area (Left) Highlighted in Black Hatching. Mining Remediation Authority Area of Probable Shallow Coal Mine Workings (Right) Highlighted in Purple. Site Boundary in Red.

A Mining Remediation Authority Consultants Mining Report was procured (Ref. 10) (Included within *Appendix C*). The findings are summarised below.

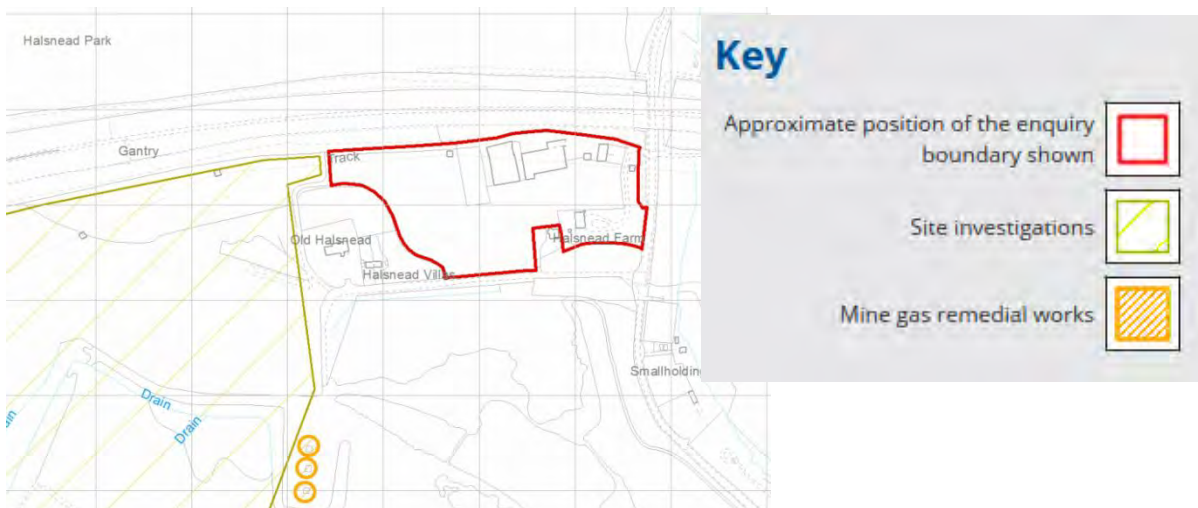


Figure 5 - Extract of Mining Remediation Authority Consultants Coal Mining Report (Ref. 51003471944001) (Box = approximate site location).

The Mining Remediation Authority Report (Ref. 10) and Figure 5 identifies three mine gas remedial works which correlates with the distances of the three mine shaft located within the historic Cronton Colliery southwest of the site.

No Recorded Workings, mine entries, presence of a Coal outcrop or Probable Unrecorded Shallow Workings are noted within the Mining Remediation Authority Consultants Coal Mining Report, correlating with their interactive mapping.

A Mining Remediation Authority Consultants Mining Report was procured (Ref. 10) (Included within *Appendix C*). The findings are summarised below.

The interactive map does note a coal out crop approximately 150m southwest of the site which is recorded to be a location of probable shallow coal mine workings. As such this area, is designated as Development High Risk Area with regards to historic coal mining. However the coal out crop is on the west side of the Eccleston West Fault line and

within the Pennie Middle Coal Measures, therefore the risk of this coal outcrop being within shallow workings onsite is deemed very low.

6.4.1 Outcrops On Site and Past Underground Coal Mining

No outcrops are recorded onsite. Past underground coal mining is not recorded onsite.

The Coal Authority Consultants Coal Mining Report has confirmed several records of past underground mining both beneath the development site and within the surrounding area, details of which are summarised below in Table 8.

Table 8 – Underground Mining Records

Seam	Coal Authority Ref	Depth (m)	Direction to Working	Dipping Rate of Seam Worked (Degrees)	Dipping Direction of Seam	Extraction Thickness (cm)
RAMS	3033	128	West	12.7	Southwest	180
Higher Florida	3036	131	West	8.5	Southwest	180
Higher Pigeon House	303T	185	West	8.5	Southwest	140
Higher Florida	3039	216	South	12.8	Southwest	180
Rushy Park	304M	397	Beneath Property	10.9	Southwest	130
Rushy Park	304L	435	North	13.4	Southwest	130
Rushy Park	304N	449	Southeast	9.6	Southwest	130

Considering the Higher Florida seam noted within Table 7 above and the thickness of this seam stated within Table 8. Superficial deposits with a minimum thickness of 18m would be needed to ensure deeper workings were a low risk. As the Higher Florida seam is recorded at 189m bgl within Table 7 from the BGS borehole records and considering the depth would also be greater given the Eccleston fault, the risk of deep coal working is considered very low.

6.4.2 Mine Entries

There are no mine entries recorded within 100m of the site boundary.

Mining Remediation Authority Interactive mapping records three mine entries located approximately 250m south of the site which is associated with the historic Cronton Colliery located 200m from the southern site boundary.

6.4.3 Mine Gas

The site is located within an area of previous interest where the Coal Authority has investigated and remediated effected of mine or ground gas emissions following a specific reported hazard, according to the Mining Remediation Authority Consultants Mining Report.

The Consultants Coal Mining report states that the site requires further investigation and that a Coal Authority Mine Gas Emission Report is recommend to obtain for more information about the hazard.

There are 3 No. of gas incidents/remediation within 500m of the site. These are located 216m, 236m and 257m southwest of the site. However as these mine gas incidents/remediation are likely related to the colliery located 200m south of the site, it is sensible to suggest this would not affect the site given the change in geology onsite and the expected depth of coal/mine gases.

The Knowsley council planning portal has confirmed that grouting and Mine Shaft Treatment has been undertaken within the historic Cronton colliery (condition 41, report ref. TE1789-TE-00-XX-RP-GE-002-V01), noting the Mine shafts

have been are grouted. In addition, the underlying cohesive non-porous deposits within the anticipated Glacial Till superficial soils will therefore reduce the risk of mine gases and is considered very low following the geology and the grouting treatment.

A review of Mining Remediation Authority guidance “Coal seams with a history of spontaneous combustion” published in 2015 indicates that seams may have a history of spontaneous combustion where roof coal has been left in place.

6.4.4 Coal Mining Subsidence

The Mining Remediation Authority has not received a damage notice or claim for the subject property, or any property within 50 meters 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 Mining Remediation 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.

6.5 CMRA Conclusions and Recommendations

The Coal Mining Risk Assessment has been prepared with reference to the proposed development of site, understood to consist of 88 modular residential units at land at Halsnead Farm.

The site is not identified within a Development High Risk Area however an assessment of available data suggests it is likely that there are probable unrecorded shallow workings are beneath the site. A summary of the mining risks pertaining to the development site is summarised in Table 9.

Table 9 - Summary of Mining Risks

Scenario	Hazard Rating	Likelihood	Risk	Comments	Proposed Action
Deep Mining (Shafts)	Medium	Low likelihood	Low	Three mine entries are recorded approximately 250m south of the site boundary however these have been treated in January 2025.	No further action required.
Deep Mining (Voids, broken ground)	Medium	Low likelihood	Low	The Mining Remediation Authority does not record any deep mining beneath the site. It is unlikely that deep workings will be present beneath the site, at depths which may present a risk to the proposed development.	
Shallow Mining (Voids, broken ground)	Medium	Likely	Low	Review of the Mining Remediation Authority Interactive Map and Consultants Mining Report does indicate past shallow coal mine workings beneath the site, along with probable shallow coal mine workings beneath the site. A review of BGS mapping records and borehole logs indicates that the nearest recorded coal outcrop is located approximately 150m south site, the Higher Florida Seam, noted to be at approximately 189m bgl, dipping to the southwest by 8.5°. The depth may be deeper due to the site being the east side of the Ecclestone West Fault plus with the presence of superficial soils. The depth to this seam would therefore be greater than 189m bgl and would not pose a risk to the site. The Mining Remediation Authority hold one record of a ground investigation which was completed to the south of the site where the historic Cronton Colliery was located. These records confirm the site was grouted on a grid basis and the three mine shafts were treated.	No further action required.
Mine Gases	Medium	Likely	Low	The Mining Remediation Authority Consultants Mining Report suggests the site is within an area of previous interest in regard to mine gas remedial works with the presence of mine gases within 500m of the site with 3 No. of gas incidents/remediation recorded from the historic colliery located 200m southwest of the site. However did not suggest the presence of mine gases on-site. These three shafts have been treated within a coal mining ground investigation in January 2025. Therefore mitigating any gas risks to the site.	Ground Investigation should include ground gas monitoring.
Spontaneous Combustion	Severe	Unlikely	Moderate/ Low	Although no named nearby coal seams have a history of spontaneous combustion, spontaneous combustion may occur where roof coal is left in place in Lancashire. No recorded mine workings are recorded beneath the site, however the Mine Remediation Authority Interactive Map does indicate past shallow coal mine workings beneath the site, and the potential for unrecorded shallow coal mine workings.	No further action required.

7 CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT

The conceptual site model (CSM) and Qualitative Risk Assessment (QRA) are presented in the table presented in this section.

The CSM details the source-pathway-receptor linkages or potential pollutant linkages (PPL) that have been identified for the site. The QRA details the associated level of risk relating to these potential pollutant linkages.

The CSM and QRA concern risk to human health and water environment with additional, more specific risk assessment protocols contained within the main body of this reporting, as detailed in Section 7.1 below.

The QRA follows the framework outlined within CIRIA C552 which is summarised within *Appendix D*.

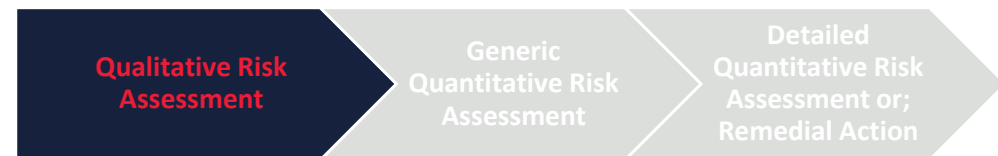
The 'risk rating' within the QRA refers to the risk that the source, pathway, receptor linkage or PPL is complete. Unless specifically stated it does not necessarily refer to an immediate risk and is intended to be used as a tool to assess the necessity for further assessment/investigation.

7.1 Additional Risk Assessments

The following risk assessments, listed below, are not included within the main CSM and QRA but none-the-less can be of critical importance to the onward development of the site.

- The risk presented by Mining is discussed and assessed in Section 4.1.1, 4.1.2 and Section 6.
- The risk presented by Radon is discussed and assessed in Section 4.1.4.
- The risk presented by Unexploded Ordnance is discussed and assessed in Section 5.1.

Under current health and safety legislation, employers are required to carry out their own appropriate risk assessments and mitigation to protect themselves and their employees, other human receptors, and the environment from potential contamination. Such risks must be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations (2015) (Ref. 11) which require that potential risks to human health and the environment from construction activities are appropriately identified and all necessary steps taken to eliminate / manage that risk. It has been assumed that any future construction works on site will be undertaken in compliance with these requirements.



- The table below represents the first stage in the land quality risk assessment process: The Qualitative Risk Assessment.
- For a development site to be deemed 'suitable for use', the level of risk needs to be brought down to acceptable levels, i.e. low to negligible risk. The purpose of each stage of risk assessment is ultimately to establish, if there is a requirement for additional levels of assessment to be made to have sufficient confidence to support a risk characterisation or management decision, e.g. remedial action.
- In the absence of specific site data, a Generic Quantitative Risk Assessment is invariably recommended.

Conceptual Site Model			Qualitative Risk Assessment			Recommended Actions
Source	Pathway(s)	Receptor(s)	Consequence	Likelihood of Occurrence	Risk Rating	
On-Site Sources of Potential Contamination: • Made Ground of unknown composition from uncontrolled deposition of materials onsite during the construction of the Farmhouse and agricultural buildings. • Buildings were constructed and maintained during a period when asbestos containing materials may have been used, and may be encountered in Made Ground soils, as well as existing building materials Off-site Sources of Potential Contamination: • Uncontrolled deposition of Made Ground during nearby construction works associated with the M62 motorway, Colliery and Mineral Railway line.	Direct contact, ingestion, inhalation (dust and vapours)	End user of site	Medium <i>Chronic health risk</i>	Low Likelihood Based on the age of structures present on site Asbestos Containing Materials (ACMs) may be present in site soils. Development proposals include the construction of up to 90 dwellings, the presence of hardstanding will break the source pathway receptor linkage for direct contact. Limited potential vapour sources identified.	Moderate/Low	Generic Quantitative Risk Assessment Recommended as part of the investigation.
		Construction and maintenance Workers	Medium <i>Chronic health risk</i>	Low Likelihood Workers should be provided with appropriate PPE to prevent exposure to any potential contaminants on site.	Moderate/Low	Workers should be provided with appropriate PPE and sanitary facilities during works.
	Vertical Migration through the superficial deposits May occur due to existing service corridors, basements, and physical processes including; capillary action and downwards into the natural deposits through infiltration.	Controlled Waters (Groundwater) Principal Aquifer associated with the bedrock deposits. Site is located within a Zone 3 Source Protection Zone No potable groundwater abstraction within 500m of the site.	Medium <i>Pollution of sensitive water resources</i>	Unlikely Although there is a Principal Aquifer below the site within the Kinnerton Sandstone Formation, BGS records glacial till deposits underlying the site containing cohesive soils which would limit the potential for vertical migration of contaminants of concern. Therefore breaking the source-pathway-receptor linkage.	Low	Ground Investigation. Should evidence of gross contamination be identified during the ground investigation, groundwater samples should be obtained to reassess the potential risks to groundwater
	Horizontal Migration over and through the superficial deposits (soils) May occur due to the influence of perched or natural groundwater flow patterns and natural or man-made high permeability zones, e.g. sand lenses or drainage runs.	Controlled Waters (Surface Water) Unnamed river located 37m southwest.	Medium <i>Pollution of sensitive water resources</i>	Unlikely Limited potential sources of groundwater contamination, generally potential localised sources. Shallow ground conditions anticipated to include cohesive soils, limiting the potential for horizontal migration of potential contamination within shallow Made Ground Soils.	Low	Ground Investigation. Should evidence of gross contamination be identified during the ground investigation, groundwater samples should be obtained to reassess the potential risks to the nearby river.
On and off-site soils with the potential to generate ground gases: • Potential for Made Ground from construction on-site with unknown material that has the potential to contain organic / putrescible material. • Potential for ground gas due to infilled pond noted on historical mapping. • Mine gas sourced within potential unrecorded mine workings close to the site.	Vertical and horizontal migration through existing service corridors and the underlying superficial deposits	End user of site	Medium <i>Acute health risk, e.g. asphyxiation or risk from explosion</i>	Low Likelihood Low gas generation potential within Made Ground soils. Potential for ground gas generation in the area of infilled pond. Ground gas emissions from mine workings beneath the site are unlikely due to recent grouting treatments of nearby site and mine shafts.	Moderate/Low	Ground Gas Monitoring and Risk Assessment Recommended as part of the ground investigation.

8 CONCLUSION AND RECOMMENDATIONS

The qualitative risk assessment (QRA) determined a varied level of level of risk associated with the proposed development.

The QRA concluded by recommending that generic quantitative risk assessments (GQRA) were conducted to confirm the assessment of risk ascribed to each of the respective potential pollutant linkages (PPLs). It is recommended that the GQRA is conducted as part of a ground investigation in support of the engineering design of the proposed development an outline scope for which is detailed in the section hereafter.

In summary, the following recommendations are made:

- Undertake an intrusive ground investigation to collect chemical and geotechnical samples to inform human health risk assessment and geotechnical assessment.
- Install monitoring wells to allow for monitoring sub-surface conditions, including ground gas and groundwater monitoring.
- Where evidence of gross contamination or groundwater contamination is identified, groundwater samples may be required to further assess the risk to human health or controlled waters.
- Undertake a GQRA as part of the ground investigation to determine contaminated land risks.

It is further recommended that this work is completed in advance of any development works taking place.

8.1 Contaminants of Concern

Potential contaminants of concern associated with the sources identified within the Site History, Coal Mining Risk Assessment and the Conceptual Site Model in Sections 3.0, 6.0 and 7.0 respectively include but are not limited to: broad range aliphatic and aromatic hydrocarbons present within any fuel oils; polycyclic aromatic hydrocarbons (PAHs); inorganic compounds including heavy metals; PCBs in close proximity to the sub-station, and asbestos.

Potential contaminants associated with the air-born dust/particulates include but are not limited to polycyclic aromatic hydrocarbons and inorganic compounds including toxic metals that are also accounted for by potential on-site contaminants of concern.

8.2 Other Considerations

There may be subsurface obstructions, voids and relic foundations associated with existing buildings.

The requirement for additional surveys, e.g. flood risk assessment, arboricultural, archaeological and ecological surveys, should be confirmed through advice from a suitably qualified and experienced professional.

9 REFERENCES

1. Environment Agency (2021) Land contamination risk management (LCRM) (last updated July 2023).
2. Landmark (2024) Envirocheck Report (report no. 366631170_1_1).
3. British Geological Society (BGS) Bedrock (1977) 1:50,000 mapping, Sheet No. 097 (Runcorn).
4. British Geological Society (BGS) Bedrock and Superficial (2010) 1:50,000 mapping, Sheet No. 97 (Runcorn).
5. BGS Geoindex [GeoIndex - British Geological Survey \(bgs.ac.uk\)](https://www.bgs.ac.uk/geoindex/) (accessed June 2025).
6. The Mining Remediation Authority Interactive Map Viewer, [Interactive Map Viewer | Mining Remediation Authority \(bgs.ac.uk\)](https://www.mra.gov.uk/interactive-map-viewer/) (accessed June 2025).
7. UK Maps of Radon [online] Accessed at: [UKradon - UK maps of radon](https://www.ukradon.org.uk/) (accessed June 2025).
8. CIRIA (2009) Unexploded Ordnance: A Guide for the Construction Industry (Report no. C681).
9. Zetica Risk Maps (UXO) [Risk Maps | Zetica UXO](https://www.zetica.co.uk/risk-maps/) (accessed June 2025).
10. Mining Remediation Authority (2024) Coal Mining Consultants Report (Report Ref. 51003471944001)
11. Health and Safety Executive (2015) Construction (Design and Management) Regulations.

10 APPENDICES

Appendix A – Drawings

Appendix B – Envirocheck Report

Appendix C – Mining Remediation Authority Records

Appendix D – Qualitative Risk Assessment Rationale

Appendix A – Drawings



Drawing Title: Proposed Site Plan
Date: 28/09/2025
Drawing no: 1367 - 1001
Scale: 1:500 @ A1
Drawn: HB

revision:
revision notes:

DK-Architects
26 Old Haymarket
Liverpool
L1 6ER
0151 231 1209 T
mail@dk-architects.com E
www.dk-architects.com W

Appendix B – Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

366631170_1_1

Customer Reference:

087052

National Grid Reference:

347620, 389610

Slice:

A

Site Area (Ha):

3.43

Search Buffer (m):

1000

Site Details:

Halsnead Farm, Foxs Bank Lane

Whiston

PRESCOT

L35 3SU

Client Details:

Mr R Taylor

Curtins Consulting Ltd

Merchant Exchange

17-19 Whitworth Street West

Manchester

M1 5WG

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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

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Discharge Consents	pg 2		1	8	11
Prosecutions					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 7		Yes		
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Historical Prosecutions					
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Groundwater Vulnerability - Local Information			n/a	n/a	n/a
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Flooding from Rivers or Sea without Defences				n/a	n/a
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Flood Water Storage Areas				n/a	n/a
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Water Framework Directive - Groundwater	pg 43	Yes			
Water Framework Directive - Surface Waters					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
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Licensed Waste Management Facilities (Locations)	pg 45				1
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Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 47	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 47	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 55		1	2	9
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 57	Yes	n/a	n/a	n/a
Mining Instability	pg 57	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 57	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 58	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 58	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 58	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 58	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 58	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 59				4
Fuel Station Entries					
Points of Interest - Commercial Services	pg 59				2
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 59	2		3	5
Points of Interest - Public Infrastructure	pg 60		1		5
Points of Interest - Recreational and Environmental	pg 60				3
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 62			1	1
Areas of Adopted Green Belt	pg 62		2		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 62	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	0	1	347616 389611
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	44	1	347400 389650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	50	1	347400 389600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	63	1	347400 389700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	70	1	347450 389550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	105	1	347400 389750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	145	1	347300 389611
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	186	1	347500 389350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	244	1	347200 389650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	249	1	347400 389900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	313	1	347200 389850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	323	1	347616 390000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	344	1	347450 390000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	345	1	347100 389611
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	346	1	347100 389600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	364	1	347400 389200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	379	1	347500 389150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	379	1	347300 389250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	383	1	347150 389900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	391	1	347450 389150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	393	1	347450 390050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	401	1	347150 389350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	404	1	347200 389300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	424	1	347600 389100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	429	1	347500 389100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	439	1	347100 389350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	439	1	347450 389100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	449	1	347250 389200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	453	1	347150 390000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	453	1	347100 389950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	467	1	347000 389800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	474	1	347150 389250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	497	1	347400 390150
1	Discharge Consents Operator: North West Development Agency Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Halsnead Properties Cronton Colliery (Disused), Cronton Road, Knowsley, Merseyside Authority: Environment Agency, North West Region Catchment Area: Dibbinsdale Brook Reference: 016993406 Permit Version: 1 Effective Date: 30th May 2001 Issued Date: 30th May 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Foxes Bank Brook (Trib Of) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	37	2	347530 389510
2	Discharge Consents Operator: English Partnerships Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Cronton Colliery Cronton Road, Cronton, Near Widnes, Merseyside Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990204 Permit Version: 3 Effective Date: 2nd October 1991 Issued Date: Not Supplied Revocation Date: 26th October 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Foxes Bank Brook Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A8NW (S)	379	2	347500 389150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: English Partnerships Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Cronton Colliery Cronton Road, Cronton, Near Widnes, Merseyside Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016990204 Permit Version: 1 Effective Date: 1st June 1980 Issued Date: Not Supplied Revocation Date: 8th August 1991 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Foxes Bank Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A8NW (S)	379	2	347500 389150
2	Discharge Consents Operator: English Partnerships Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Cronton Colliery Cronton Road, Cronton, Near Widnes, Merseyside Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016990204 Permit Version: 2 Effective Date: 9th August 1991 Issued Date: Not Supplied Revocation Date: 1st October 1991 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Foxes Bank Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A8NW (S)	379	2	347500 389150
2	Discharge Consents Operator: Balfour Beatty Civil Eng. Ltd Property Type: MINING OF COAL + LIGNITE Location: Cronton Colliery Treatment Plant Cronton Road, Cronton, Liverpool, Merseyside Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016992597 Permit Version: 1 Effective Date: 28th January 1994 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Ditton Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Manually corrected supplier location	A8NW (S)	384	2	347500 389145
3	Discharge Consents Operator: Land Restoration Trust Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Park Villa Properties Cronton Colliery (Disused), Cronton Road, Cronton, Knowsley Authority: Environment Agency, North West Region Catchment Area: Ditton Brook Reference: 016993405 Permit Version: 3 Effective Date: 1st September 2006 Issued Date: 27th February 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Foxes Bank Brook (Trib Of) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NE (S)	445	2	347720 389090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: North West Development Agency Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Park Villa Properties Cronton Colliery (Disused), Cronton Road, Cronton, Knowsley Authority: Environment Agency, North West Region Catchment Area: Ditton Brook Reference: 016993405 Permit Version: 2 Effective Date: 4th December 2003 Issued Date: 4th December 2003 Revocation Date: 31st August 2006 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Foxes Bank Brook (Trib Of) Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 10m	A8NE (S)	445	2	347720 389090
3	Discharge Consents Operator: North West Development Agency Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Park Villa Properties Cronton Colliery (Disused), Cronton Road, Cronton, Knowsley Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016993405 Permit Version: 1 Effective Date: 30th May 2001 Issued Date: 30th May 2001 Revocation Date: 3rd December 2003 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Foxes Bank Brook (Trib Of) Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NE (S)	445	2	347720 389090
4	Discharge Consents Operator: English Partnerships Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Hanshead Cottages Cronton Colliery, Cronton, Near Widnes, Cheshire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016890810 Permit Version: 1 Effective Date: 5th September 1986 Issued Date: Not Supplied Revocation Date: 19th May 2003 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Foxes Bank Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	491	2	347850 389070
5	Discharge Consents Operator: Liverpool Sun And Air Society Limited Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: Liverpool Sun And Air Society Sunnyside, Fox'S Bank Lane, Whiston, Prescot, Merseyside, L35 3st Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprhb3396ee Permit Version: 1 Effective Date: 26th February 2018 Issued Date: 26th February 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Fox'S Bank Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	520	2	348088 389144

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: National Coal Board (North West Division) Property Type: MINING OF COAL + LIGNITE Location: Cronton Colliery Te, Whiston, Near Prescot, Merseyside Authority: Environment Agency, North West Region Catchment Area: Dibbinsdale Brook Reference: 0165/38 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Fox'S Bank Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	537	2	347278 389070
7	Discharge Consents Operator: Tritax Symmetry Merseyside 1 Ltd Property Type: WAREHOUSING + SUPPORT ACTIVITIES FOR TRANSPORTATION Location: Unit 1 Former Cronton Colliery, Cronton Road, Knowsley, L35 1qr Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprwb3499rl Permit Version: 1 Effective Date: 28th June 2023 Issued Date: 28th June 2023 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Fox'S Bank Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	543	2	347186 389131
8	Discharge Consents Operator: National Coal Board Western Area Property Type: MINING OF COAL + LIGNITE Location: Cronton Colliery Spoil Heaps Cronton Road, Prescot, Liverpool, Merseyside Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990205 Permit Version: 1 Effective Date: 1st June 1980 Issued Date: Not Supplied Revocation Date: 25th February 1988 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Foxes Bank Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	719	2	346950 389100
8	Discharge Consents Operator: National Coal Board Western Area Property Type: MINING OF COAL + LIGNITE Location: Cronton Colliery Spoil Heaps Cronton Road, Prescot, Liverpool, Merseyside Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016990205 Permit Version: 2 Effective Date: 26th February 1988 Issued Date: Not Supplied Revocation Date: 23rd March 1991 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Foxes Bank Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	719	2	346950 389100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Unknown Operator Property Type: Not Given Location: 3 Dwellings At High Carrs Roby Road , Huyton , KNOWSLEY Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993250-01 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Septic tank Discharge: Freshwater Stream/River Environment: Receiving Water: Treated Sewage Effluent; Outlet To Watercourse; Tributary Ditton Brook Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	741	2	348340 390130
10	Discharge Consents Operator: Mr Robin Seddon Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Shirebrook Fox'S Bank Lane, Rainhill, ., Merseyside, L35 3ss Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprbb3795af Permit Version: 1 Effective Date: 7th November 2014 Issued Date: 7th November 2014 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Fox'S Bank Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	789	2	348235 390295
11	Discharge Consents Operator: Maro Developments Limited Property Type: WAREHOUSING + SUPPORT ACTIVITIES FOR TRANSPORTATION Location: Mercury 62 Cronton Road, Tarbock, Prescot, Merseyside, L35 1qr Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprzb3692vp Permit Version: 1 Effective Date: 5th February 2024 Issued Date: 5th February 2024 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Chapel Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SW (W)	890	2	346623 389282
12	Discharge Consents Operator: A Molyneux Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: 102 Blundells Lane Stp, Rainhill, Merseyside Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990254 Permit Version: 1 Effective Date: 9th January 1981 Issued Date: Not Supplied Revocation Date: 8th March 1991 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Mill Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	920	2	348300 390410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Discharge Consents Operator: Laing O'Rourke Infrastructure Limited Property Type: Undefined Or Other Location: Laing O'Rourke Infrastructure Ltd M62 Jnt6 Improvment Office, Windy Arbour Road, Tarbock, Merseyside, L35 1rb Authority: Environment Agency, North West Region Catchment Area: Ditton Brook Reference: 016993930 Permit Version: 1 Effective Date: 3rd May 2007 Issued Date: 3rd May 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Logwood Mill Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A11SE (W)	951	2	346500 389520
14	Discharge Consents Operator: Miss Sheila Berry Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 2 Properties At Carr House Windy Arbour Road, Whiston, Merseyside, Merseyside, L35 1br Authority: Environment Agency, North West Region Catchment Area: Ditton Brook Reference: Npswqd005904 Permit Version: 1 Effective Date: 28th January 2009 Issued Date: 28th January 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwaters Via Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A11NE (W)	990	2	346467 389815
	Nearest Surface Water Feature	A13SE (S)	19	-	347622 389509
15	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Cromer Road, Northwood, HANLEY Authority: Environment Agency, Midlands Region Pollutant: Rubble/Litter Or Solids Note: Caldon Canal; Dumping On Canal Banks Some Going To Watercourse Incident Date: 4th May 1999 Incident Reference: 2705747 Catchment Area: Trent Catchment : Upper Trent Receiving Water: Canal Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (E)	141	2	347900 389500
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: Domestic Waste & Rubbish Incident Date: 12th January 1993 Incident Reference: 93440004 Catchment Area: Ditton Brook Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	555	2	347900 390200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: Big Water Incident Date: 3rd February 1992 Incident Reference: 92440022 Catchment Area: Ditton Brook Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	562	2	347001 390001
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Foxes Bank Brook Incident Date: 25th September 1994 Incident Reference: 94742144 Catchment Area: Ditton Brook Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	613	2	347000 389200
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Tributary Dog Clogg Brk Incident Date: 11th November 1993 Incident Reference: 93440152 Catchment Area: Ditton Brook Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	824	2	347600 388700
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Blood And Offal Note: Foxes Bank Brook Incident Date: 14th May 1991 Incident Reference: 91440028 Catchment Area: Ditton Brook Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	830	2	346800 389100
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Fox's Bank Brook Incident Date: 20th August 1992 Incident Reference: 92440116 Catchment Area: Ditton Brook Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	831	2	348600 389500
22	Pollution Incidents to Controlled Waters Property Type: Spillage; Accident In Transit Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Foxes Bank Brook Incident Date: 22nd October 1993 Incident Reference: 93440133 Catchment Area: Ditton Brook Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	832	2	348600 389700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Pollution Incidents to Controlled Waters Property Type: Agriculture: Other Tanks - [Fixed] Location: Mellars Pool Off, Windy Arbou Authority: Environment Agency, North West Region Pollutant: Metals & Scrap : Other Note: Not Supplied Incident Date: 28th March 1999 Incident Reference: 1248 Catchment Area: Mersey - Tidal Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NW (NW)	844	2	346900 390300
24	Water Abstractions Operator: C.White Limited Licence Number: 2569028002 Permit Version: Not Supplied Location: Reservoir Fed By Fox's Bank Brook, Cronton Colliery, Whiston, LIVERPOOL Authority: Environment Agency, North West Region Abstraction: Cooling & Boiler Feed & Coal Washing & Dust Suppression Abstraction Type: Not Supplied Source: River Daily Rate (m3): 1309 Yearly Rate (m3): 454600 Details: Additional Purposes: Boiler feed; Coal washing; Dust suppression; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	419	2	347300 389200
25	Water Abstractions Operator: C.White Limited Licence Number: 2569028015 Permit Version: Not Supplied Location: Chapel Brook, Cronton Colliery, Merseyside Authority: Environment Agency, North West Region Abstraction: Mining Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 1964 Yearly Rate (m3): 227300 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	874	2	346600 389400
26	Water Abstractions Operator: T H Critchley & Son Licence Number: 2569028018 Permit Version: 100 Location: Ochre And Dog Clog Brooks Tarbock Hall Farm Prescott Authority: Environment Agency, North West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 6 Yearly Rate (m3): 2098 Details: Tarbock Hall Farm, Tarbock, Prescott, Merseyside Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	993	2	346600 389100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Blundells Hill Golf Club Ltd Licence Number: 2569028021 Permit Version: 103 Location: B/Hole At Blundells Hill Golf Club, Blundells Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Golf Courses: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blundells Hill Golf Club, Raonhill, Nr. St. Helens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th November 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1037	2	348550 390340
	Water Abstractions Operator: Blundells Hill Golf Club Ltd Licence Number: 2569028021 Permit Version: 103 Location: B/Hole At Blundells Hill Golf Club, Blundells Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blundells Hill Golf Club, Rainhill, Nr. St. Helens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th November 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1037	2	348550 390340
	Water Abstractions Operator: Blundells Hill Golf Club Ltd Licence Number: 2569028021 Permit Version: 102 Location: B/Hole At Blundells Hill Golf Club, Blundells Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Golf Courses: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blundells Hill Golf Club, Raonhill, Nr. St. Helens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th February 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1037	2	348550 390340
	Water Abstractions Operator: Blundells Hill Golf Club Ltd Licence Number: 2569028021 Permit Version: 102 Location: B/Hole At Blundells Hill Golf Club, Blundells Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blundells Hill Golf Club, Rainhill, Nr. St. Helens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th February 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1037	2	348550 390340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Blundells Hill Golf Club Ltd Licence Number: 2569028021 Permit Version: 101 Location: B/Hole At Blundells Hill Golf Club, Blundells Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Golf Courses: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blundells Hill Golf Club, Raonhill, Nr. St. Helens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th February 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1037	2	348550 390340
	Water Abstractions Operator: Blundells Hill Golf Club Ltd Licence Number: 2569028021 Permit Version: 101 Location: B/Hole At Blundells Hill Golf Club, Blundells Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blundells Hill Golf Club, Rainhill, Nr. St. Helens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th February 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1037	2	348550 390340
	Water Abstractions Operator: Blundells Hill Golf Club Ltd Licence Number: 2569028021 Permit Version: 100 Location: B/Hole At Blundells Hill Golf Club, Blundells Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Golf Courses: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 192 Yearly Rate (m3): 21967 Details: Land & Premises At Blundells Hill Golf Club, Raonhill, Nr. St. Helens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th September 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1037	2	348550 390340
	Water Abstractions Operator: Blundells Hill Golf Club Ltd Licence Number: 2569028021 Permit Version: 100 Location: B/Hole At Blundells Hill Golf Club, Blundells Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blundells Hill Golf Club, Rainhill, Nr. St. Helens Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th September 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1037	2	348550 390340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Belpool Developments Ltd Licence Number: 2569028018 Permit Version: 102 Location: Ochre And Dog Clog Brooks Tarbock Hall Farm Prescott Authority: Environment Agency, North West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tarbock Hall Farm, Tarbock, Prescott, Merseyside Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st January 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6SE (SW)	1461	2	346400 388600
	Water Abstractions Operator: Belpool Developments Ltd Licence Number: 2569028018 Permit Version: 101 Location: Ochre And Dog Clog Brooks Tarbock Hall Farm Prescott Authority: Environment Agency, North West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 6 Yearly Rate (m3): 2098 Details: Tarbock Hall Farm, Tarbock, Prescott, Merseyside Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st February 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6SE (SW)	1461	2	346400 388600
	Water Abstractions Operator: Mr C S Morphet Licence Number: 2569028024r01 Permit Version: 1 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Slaughtering: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1620	2	347880 387926
	Water Abstractions Operator: Mr C S Morphet Licence Number: 2569028024r01 Permit Version: 1 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Private Water Undertaking: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1620	2	347880 387926

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr C S Morphet Licence Number: 2569028024 Permit Version: 2 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Slaughtering: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st February 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1620	2	347880 387926
	Water Abstractions Operator: Mr C S Morphet Licence Number: 2569028024 Permit Version: 2 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Private Water Undertaking: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st February 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1620	2	347880 387926
	Water Abstractions Operator: C S Morphet & Sons Ltd Licence Number: 2569028024 Permit Version: 1 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Slaughtering: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd December 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1626	2	347880 387920
	Water Abstractions Operator: C S Morphet & Sons Ltd Licence Number: 2569028024 Permit Version: 1 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Private Water Undertaking: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Tan House Farm, Cronton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd December 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1626	2	347880 387920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: C S Morphet & Sons Ltd Licence Number: 2569028023 Permit Version: 1 Location: Borehole At Alder Lane, Cronton, Widnes Authority: Environment Agency, North West Region Abstraction: Slaughtering: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Alder Lane, Cronton, Widnes Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th March 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1626	2	347880 387920
	Water Abstractions Operator: United Utilities Water Plc Licence Number: 2569028008 Permit Version: 100 Location: 2 Wells + Connecting B/Holes, Cumber La, Whiston, Merseyside Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2046 Yearly Rate (m3): 746680 Details: Wells And Connected Boreholes (2) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1671	2	348100 391300
	Water Abstractions Operator: T & O Harrison Licence Number: 2569028017 Permit Version: Not Supplied Location: Childwall Mill And Dog Clog Brks, Attarbock, PRESCOT, Merseyside Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Licence Status : Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1724	2	347600 387800
	Water Abstractions Operator: T & O Harrison Licence Number: 2569028017 Permit Version: Not Supplied Location: Mill And Dog Clog Brks Attarbock, PRESCOT, Merseyside Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Childwall Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2SW (SW)	1752	2	346700 388000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Elis Uk Limited Licence Number: 2569028020 Permit Version: 104 Location: Borehole At Stoney Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Stoney Lane, Rainhill Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th June 2024 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1769	2	348100 391400
	Water Abstractions Operator: Elis Uk Limited Licence Number: 2569028020 Permit Version: 103 Location: Borehole At Stoney Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Stoney Lane, Rainhill Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1769	2	348100 391400
	Water Abstractions Operator: Berendsen Uk Limited Licence Number: 2569028020 Permit Version: 102 Location: Borehole At Stoney Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Stoney Lane, Rainhill Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd July 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1769	2	348100 391400
	Water Abstractions Operator: The Sunlight Services Group Ltd Licence Number: 2569028020 Permit Version: 101 Location: Borehole At Stoney Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Stoney Lane, Rainhill Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th October 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1769	2	348100 391400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Spring Grove Services Ltd Licence Number: 2569028020 Permit Version: 100 Location: Borehole At Stoney Lane, Rainhill Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 545 Yearly Rate (m3): 118182 Details: Land & Premises At Stoney Lane, Rainhill Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1769	2	348100 391400
	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569028011 Permit Version: 101 Location: B/Holes (2) At Water La Pumping Station, Whiston, Merseyside Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1840	2	346700 387900
	Water Abstractions Operator: United Utilities Water Plc Licence Number: 2569028011 Permit Version: 100 Location: B/Holes (2) At Water La Pumping Station, Whiston, Merseyside Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 11400 Yearly Rate (m3): 1750000 Details: Boreholes (2) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1840	2	346700 387900
	Water Abstractions Operator: R A Humphries Licence Number: 2569028019 Permit Version: Not Supplied Location: Dog Clog Brook, Marklands Farm, Tarbock Green, PRESCOT, Merseyside Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 255 Yearly Rate (m3): 5910 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1843	2	347300 387700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: R A Humphries Licence Number: 2569028019 Permit Version: Not Supplied Location: Dog Clog Brook, Marklands Farm, Tarbock Green, PRESCOT, Merseyside Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 255 Yearly Rate (m3): 5910 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1SE (SW)	1980	2	346300 388000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Low	A13NE (NE)	0	3	347616 389611
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Low	A13NE (E)	0	3	347748 389611
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (NE)	0	3	347616 389611
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (E)	0	3	347748 389611
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (NE)	0	3	347616 389611
27	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NE (NE)	0	2	347616 389611
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Water Storage Areas None				
	Flood Defences None				
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 193.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (S)	19	4	347622 389509
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (E)	44	4	347815 389562
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (SE)	53	4	347810 389519
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 616.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (SE)	53	4	347810 389519
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13NE (E)	58	4	347825 389643
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 228.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SE (SE)	62	4	347820 389519
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 305.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13NE (NE)	103	4	347825 389744
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SW (SW)	234	4	347377 389374

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SW (SW)	275	4	347315 389378
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A13SW (SW)	275	4	347315 389378
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SW (E)	277	4	348041 389500
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8NW (S)	283	4	347502 389248
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8NW (S)	286	4	347502 389245
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8NW (S)	291	4	347502 389239
42	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 2	A14NW (NE)	308	4	348003 389858
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SE (SW)	314	4	347196 389430
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 2	A14NW (NE)	318	4	348009 389865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 253.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8NE (S)	318	4	347629 389209
46	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (NE)	323	4	348028 389850
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 267.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SE (W)	327	4	347163 389455
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A18SW (N)	328	4	347582 389997
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (NE)	331	4	348032 389857
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SE (SW)	339	4	347170 389424
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (NE)	342	4	348024 389886
52	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 25.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A18SE (N)	343	4	347672 390020
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 693.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (NE)	356	4	347997 389930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (NE)	356	4	347997 389930
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8NW (S)	366	4	347523 389160
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8NW (S)	374	4	347519 389153
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8NW (S)	380	4	347516 389147
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8NE (S)	388	4	347732 389150
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SW (E)	394	4	348158 389493
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A8NE (SE)	467	4	347844 389093
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A8NE (SE)	467	4	347844 389093
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (NE)	481	4	348202 389864

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Underground Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A8NE (SE)	481	4	347875 389085
64	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	485	4	348225 389821
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A8NE (SE)	489	4	347882 389079
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NE (SW)	490	4	347267 389135
67	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 2.9 Watercourse Level: On ground surface Permanent: False Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NE (SW)	490	4	347267 389135
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: Underground Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NE (SW)	491	4	347264 389136
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NE (SW)	495	4	347256 389138
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NE (SW)	498	4	347250 389138
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 605.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A8NE (S)	498	4	347784 389049

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	499	4	348228 389851
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	501	4	348239 389828
74	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 37.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	501	4	347056 389972
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	503	4	347211 389162
76	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	504	4	348241 389832
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	505	4	348235 389848
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	505	4	348235 389848
79	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 194.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Big Water Catchment Name: Ditton Primacy: 1	A12NE (W)	506	4	346972 389836
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SE (SW)	509	4	347079 389267

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A8NW (SW)	509	4	347337 389069
82	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	521	4	348274 389781
83	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	524	4	348269 389808
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 247.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SE (SW)	526	4	347055 389269
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	526	4	347009 389950
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	526	4	347014 389957
87	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	527	4	347054 390009
88	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 150.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	527	4	347054 390009
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	528	4	348268 389826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	528	4	348268 389826
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	528	4	348280 389783
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	528	4	347029 389982
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	529	4	347025 389977
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	530	4	348273 389817
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	533	4	348276 389819
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	533	4	348284 389788
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	535	4	348286 389790
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	543	4	348291 389802

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	545	4	348294 389800
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	547	4	348296 389798
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NW (E)	548	4	348284 389842
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12NW (W)	548	4	346905 389755
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12NW (W)	556	4	346894 389735
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A9NW (SE)	560	4	348016 389052
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	562	4	347990 389038
106	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	565	4	347121 389158
107	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	566	4	347107 389167

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	569	4	348103 389093
109	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	570	4	347109 389161
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A9NW (SE)	571	4	348105 389092
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A9NW (SE)	571	4	348105 389092
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12NW (W)	572	4	346872 389656
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12NW (W)	572	4	346872 389656
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	574	4	347109 389156
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 193.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NE (SW)	585	4	347105 389145
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: Underground Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A9NW (SE)	589	4	348141 389098

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A9NW (SE)	595	4	348153 389100
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	624	4	348386 389458
119	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	635	4	346819 389517
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	635	4	347042 390146
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 330.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	636	4	347972 388952
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9NW (SE)	636	4	347972 388952
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	638	4	346817 389511
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	646	4	346807 389525
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	648	4	348417 389685

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	648	4	348417 389685
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A17SE (NW)	653	4	347043 390170
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	666	4	346969 389155
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	667	4	346817 389401
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	673	4	346800 389430
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	673	4	346795 389449
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	678	4	346791 389447
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	680	4	346991 389114
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.0 Watercourse Level: Underground Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NE (SW)	682	4	346968 389134

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	682	4	346787 389445
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	682	4	348429 389823
137	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 18.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (NE)	683	4	348392 389935
138	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 22.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	689	4	348433 389836
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	694	4	348468 389630
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	695	4	346775 389440
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (NE)	696	4	348393 389962
142	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	697	4	348461 389722
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	698	4	346965 389115

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NE (SW)	701	4	346961 389114
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (NE)	701	4	348407 389946
146	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 42.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (NE)	705	4	348413 389944
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NE (SW)	706	4	346949 389118
148	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	713	4	348445 389879
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: Underground Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NE (SW)	717	4	346943 389110
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	719	4	348445 389899
151	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 19.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	719	4	348446 389895
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	724	4	348458 389876

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	730	4	348504 389574
154	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 10.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	730	4	348462 389882
155	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	736	4	348465 389892
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	741	4	348468 389897
157	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	746	4	348473 389902
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	749	4	346933 389074
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 378.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A9NE (SE)	754	4	348350 389074
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	758	4	346714 389424
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NW (SW)	761	4	346909 389081

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	772	4	348496 389913
163	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 23.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	774	4	348533 389769
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A14SE (E)	774	4	348533 389432
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	776	4	348535 389766
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NE (SW)	782	4	347020 388958
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (NE)	784	4	348354 390180
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (E)	785	4	348497 389949
169	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (E)	787	4	348497 389953
170	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	793	4	348561 389700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	801	4	346880 389053
172	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 30.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (E)	801	4	348516 389943
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (E)	801	4	348516 389942
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (NE)	813	4	348509 389992
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (NE)	816	4	348510 389997
176	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	817	4	346864 389048
177	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	818	4	346657 389404
178	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	818	4	346657 389404
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	819	4	348555 389882

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 233.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	820	4	348557 389879
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (E)	820	4	348527 389967
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	821	4	346860 389046
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 417.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SW (S)	827	4	347282 388747
184	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SE (SE)	832	4	348290 388906
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (E)	833	4	348543 389962
186	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (E)	834	4	348545 389961
187	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 453.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A14SE (E)	843	4	348589 389357
188	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 317.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (SE)	845	4	348114 388783

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SE (SE)	847	4	348299 388893
190	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 2	A14SE (E)	847	4	348605 389420
191	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A14SE (E)	847	4	348605 389420
192	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 163.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	851	4	348611 389428
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14SE (E)	851	4	348611 389428
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 492.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 2	A7NW (SW)	855	4	346922 388945
195	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 271.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fox's Bank Brook Catchment Name: Ditton Primacy: 1	A7NW (SW)	855	4	346831 389027
196	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NW (SW)	855	4	346831 389027
197	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A12SW (W)	857	4	346660 389279

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 266.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7NW (SW)	858	4	346822 389031
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (S)	866	4	347965 388711
200	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19SE (NE)	866	4	348533 390064
201	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 21.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	871	4	348595 389931
202	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (SE)	884	4	348280 388832
203	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (SE)	886	4	348279 388830
204	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Chapel Brook Catchment Name: Ditton Primacy: 1	A12SW (W)	886	4	346617 389308
205	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (SE)	890	4	348038 388706
206	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 102.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A14NE (E)	890	4	348616 389929

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 111.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 2	A14NE (E)	890	4	348616 389929
208	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Chapel Brook Catchment Name: Ditton Primacy: 1	A7NW (W)	895	4	346627 389258
209	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Chapel Brook Catchment Name: Ditton Primacy: 1	A11SE (W)	906	4	346568 389395
210	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (S)	912	4	348003 388673
211	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	912	4	347655 388616
212	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (SE)	913	4	348265 388788
213	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (SE)	917	4	348263 388782
214	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ochre Brook Catchment Name: Ditton Primacy: 1	A7NW (W)	920	4	346627 389202
215	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (SE)	922	4	348268 388779

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 244.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A9SW (SE)	927	4	348273 388776
217	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	928	4	347190 388675
218	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	929	4	347174 388681
219	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	930	4	347151 388691
220	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	931	4	347152 388689
221	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	934	4	347935 388635
222	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A11SE (W)	934	4	346552 389352
223	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	935	4	347680 388595
224	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	935	4	347680 388595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
225	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	935	4	347164 388679
226	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A15SW (E)	935	4	348686 389372
227	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A8SE (S)	940	4	347676 388590
228	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	944	4	347176 388664
229	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A15SW (E)	945	4	348696 389365
230	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	950	4	347164 388663
231	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A15NW (E)	950	4	348718 389710
232	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A15NW (E)	951	4	348719 389708
233	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A15NW (E)	951	4	348722 389688

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
234	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A15NW (E)	951	4	348722 389688
235	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A3NE (S)	953	4	347763 388584
236	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 144.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A3NE (S)	954	4	347766 388583
237	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A3NE (S)	954	4	347766 388583
238	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 66.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A3NE (S)	955	4	347765 388582
239	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 53.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A15SW (E)	959	4	348708 389360
240	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 158.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A6NE (W)	963	4	346562 389237
241	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 2	A15NW (E)	966	4	348706 389887
242	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A15SW (E)	967	4	348739 389527

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
243	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	968	4	347121 388664
244	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 1.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	969	4	347117 388664
245	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 27.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	969	4	347117 388664
246	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 285.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A7SE (SW)	970	4	347118 388663
247	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Chapel Brook Catchment Name: Ditton Primacy: 1	A11SE (W)	974	4	346479 389502
248	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A3NW (S)	975	4	347302 388585
249	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A3NW (S)	977	4	347306 388582
250	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A3NE (S)	979	4	347669 388550
251	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A15SW (E)	979	4	348752 389533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
252	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A15SW (E)	982	4	348755 389535
253	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19NW (NE)	985	4	348278 390502
254	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A19NW (NE)	988	4	348274 390508
255	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 161.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A10NW (E)	991	4	348716 389259
256	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 2	A15NW (E)	996	4	348740 389869
257	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ditton Primacy: 1	A3NE (S)	997	4	347663 388531
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Prescott Brook (Logwood Mill Brook) WaterBody ID: GB112069060710 Operational Catchment: Ditton Management Catchment: Mersey Lower Catchment Name: Lower Mersey	A13NE (NE)	0	2	347616 389611
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Dog Clog Brook (including Mill Brook) WaterBody ID: GB112069060690 Operational Catchment: Ditton Management Catchment: Mersey Lower Catchment Name: Lower Mersey	A8SE (S)	651	2	347860 388910
	Water Framework Directive - Groundwater Waterbody Name: Sankey and Glaze Carboniferous aquifers Waterbody ID: GB41202G100100 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41202G100100 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Good Year: 2019	A13NW (W)	0	2	347565 389619

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Framework Directive - Groundwater Waterbody Name: Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers Waterbody ID: GB41201G101700 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41201G101700 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Poor Year: 2019	A13NE (NE)	0	2	347616 389611

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
258	Licensed Waste Management Facilities (Landfill Boundaries) Name: Cronton Quarry Licence Number: 400986 Location: GRUNDY & CO EXCAVATIONS LIMITED, Cronton Quarry, Dacre's Bridge Lane, Tarbock, Prescott, Merseyside, L35 1QZ Licence Holder: Grundy & Co Excavations Limited Authority: Environment Agency - North West Region, South Area Site Category: Inert LF Max Input Rate: Not Supplied Licence Status: Issued Issued: 3rd April 2014 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8NW (SW)	625	2	347317 388950
259	Licensed Waste Management Facilities (Locations) Licence Number: 400986 Location: Cronton Quarry, Dacre's Bridge Lane, Tarbock, Prescott, Merseyside, L35 1QZ Operator Name: GRUNDY & CO EXCAVATIONS LIMITED Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Inert LF Licence Status: Issued Issued: 3rd April 2014 Last Modified: 3rd April 2014 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	862	2	346930 388930
	Local Authority Landfill Coverage Name: Knowsley Metropolitan Borough Council - Has supplied landfill data		0	5	347616 389611
	Local Authority Landfill Coverage Name: Merseyside Waste Disposal Authority - Has supplied landfill data		0	6	347616 389611
	Local Authority Landfill Coverage Name: St Helens Metropolitan District Council - Landfill data has been supplied by another authority		27	7	347787 389680
260	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A13SE (S)	241	-	347740 389293
261	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A17SE (NW)	658	-	347099 390216
262	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A17SW (NW)	946	-	346606 390095
263	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A17NE (N)	955	-	347271 390594
264	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A19NW (N)	960	-	348020 390586
265	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (E)	0	-	347706 389643
266	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8NW (S)	385	-	347532 389140
267	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12SE (SW)	522	-	347024 389314
268	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A11NE (W)	990	-	346455 389641

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
269	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A23SE (N)	1000	-	347918 390652

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	A13NE (NE)	0	1	347616 389611
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13NW (W)	0	1	347572 389601
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: <15 mg/kg	A13NE (E)	0	1	347748 389611
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	0	1	347616 389500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	0	1	347616 389611
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	51	1	347814 389529
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A13SE (SE)	55	1	347745 389500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	65	1	347806 389500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	100	1	347434 389512
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	226	1	348000 389611
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	237	1	348000 389500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	239	1	348012 389573
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	263	1	348026 389500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	277	1	347439 389278
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	291	1	347997 389838
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	319	1	348000 389877
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	323	1	347616 390000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	340	1	347500 390000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14SW (SE)	341	1	348000 389303

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (NE)	354	1	347942 389967
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	A14NW (NE)	357	1	348000 389930
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SW)	381	1	347392 389185
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	398	1	347973 390000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	412	1	348000 390000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	436	1	347481 389096

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	439	1	348000 390032
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	444	1	347000 389627
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	445	1	347000 389611
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	524	1	347616 389000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A8NE (S)	549	1	347800 389000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	556	1	347237 389075

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	562	1	347000 390000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SW)	585	1	347305 389000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	589	1	347979 389000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	607	1	346851 389500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	617	1	347207 389021
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	743	1	346713 389500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	822	1	347460 390480
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	837	1	347500 390500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	842	1	347456 390500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	846	1	347398 390500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (W)	887	1	346628 390000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	902	1	346737 390215

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	905	1	346609 389277
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A20SW (E)	906	1	348623 389957
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A19SE (NE)	917	1	348577 390090
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	A7NW (SW)	923	1	346663 389131
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	930	1	346676 389099
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (W)	939	1	346600 389213

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	940	1	346513 389500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (W)	944	1	346500 389625
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	955	1	347000 390500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (W)	959	1	346500 389822
270	BGS Recorded Mineral Sites Site Name: Cronton Colliery, No. 3 Pit Location: Cronton, Whiston, Prescot, Merseyside Source: British Geological Survey, National Geoscience Information Service Reference: 259948 Type: Underground Status: Ceased Operator: Ncb North-Western Division, Area No. 3 (St. Helens) Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	245	1	347398 389345
270	BGS Recorded Mineral Sites Site Name: Cronton Colliery, No. 2 Pit Location: Cronton, Whiston, Prescot, Merseyside Source: British Geological Survey, National Geoscience Information Service Reference: 259947 Type: Underground Status: Ceased Operator: Ncb North-Western Division, Area No. 3 (St. Helens) Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	265	1	347396 389320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
270	BGS Recorded Mineral Sites Site Name: Cronton Colliery, No. 1 Pit Location: Cronton, Whiston, Prescott, Merseyside Source: British Geological Survey, National Geoscience Information Service Reference: 259946 Type: Underground Status: Ceased Operator: Ncb North-Western Division, Area No. 3 (St. Helens) Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	282	1	347395 389299
271	BGS Recorded Mineral Sites Site Name: The Old Delf Location: Whiston, Prescott, Merseyside Source: British Geological Survey, National Geoscience Information Service Reference: 241389 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	612	1	346833 389664
272	BGS Recorded Mineral Sites Site Name: Fox'S Bank Location: Cronton, Widnes, Cheshire Source: British Geological Survey, National Geoscience Information Service Reference: 10974 Type: Opencast Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Triassic Geology: Kinnerton Sandstone Formation (Lower Mottled Sandstone) Commodity: Sandstone Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	694	1	348000 388900
273	BGS Recorded Mineral Sites Site Name: Cronton Claypit Location: Cronton, Widnes, Cheshire Source: British Geological Survey, National Geoscience Information Service Reference: 5792 Type: Opencast Status: Active Operator: Ibstock Brick Ltd. Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Etruria Formation (Etruria Marl) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	833	1	347111 388825
274	BGS Recorded Mineral Sites Site Name: Parren'S Covert Sand Pit Location: Whiston, Prescott, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 206488 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Triassic Geology: Kinnerton Sandstone Formation (Lower Mottled Sandstone) Commodity: Silica Sand Positional Accuracy: Located by supplier to within 10m	A19NW (N)	952	1	347960 390595
275	BGS Recorded Mineral Sites Site Name: Stone Quarry Plantation Location: Whiston, Prescott, Merseyside Source: British Geological Survey, National Geoscience Information Service Reference: 95183 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17NE (N)	966	1	347261 390604

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
276	BGS Recorded Mineral Sites Site Name: Halsnead Colliery, No. 3 Pit Location: Whiston Lane Ends, Whiston, Prescot, Merseyside Source: British Geological Survey, National Geoscience Information Service Reference: 187635 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	969	1	346598 390126
277	BGS Recorded Mineral Sites Site Name: Parren'S Covert Sand Pit Location: Whiston, Prescot, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 206489 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Triassic Geology: Kinnerton Sandstone Formation (Lower Mottled Sandstone) Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	978	1	348046 390597
278	BGS Recorded Mineral Sites Site Name: Halsnead Colliery, No. 2 Pit Location: Whiston Lane Ends, Whiston, Prescot, Merseyside Source: British Geological Survey, National Geoscience Information Service Reference: 187634 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A16SE (NW)	982	1	346565 390093
278	BGS Recorded Mineral Sites Site Name: Halsnead Colliery, No. 1 Pit Location: Whiston Lane Ends, Whiston, Prescot, Merseyside Source: British Geological Survey, National Geoscience Information Service Reference: 187633 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A16SE (NW)	995	1	346535 390060
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (NE)	0	8	347616 389611
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (NE)	0	-	347616 389611
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	347748 389611
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	347616 389611

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	347616 389611
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	347748 389611
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	347616 389611
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	347616 389611
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	47	1	347726 389506
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	122	1	347511 389414
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	347616 389611
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	347748 389611
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	347616 389611
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	51	1	347814 389529
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	347725 389611
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	347616 389611
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	347725 389611
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	347616 389611

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
279	Contemporary Trade Directory Entries Name: Masterclutch Location: 9, Lake View, Halsnead Park, Prescott, Merseyside, L35 3PX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	527	-	347177 390109
280	Contemporary Trade Directory Entries Name: Anro International Ltd Location: Shirebrook, Foxs Bank Lane, Whiston, Prescott, Merseyside, L35 3SS Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	645	-	348003 390260
281	Contemporary Trade Directory Entries Name: Black Frost Location: 53, Martock, Whiston, Prescott, Merseyside, L35 3TA Classification: Greeting Card Publishers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	870	-	347718 390545
282	Contemporary Trade Directory Entries Name: B C Neill Air Conditioning Ltd Location: Cronton Road, Tarbock, Prescott, Merseyside, L35 1QU Classification: Air Conditioning Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	922	-	348015 388666
283	Points of Interest - Commercial Services Name: Masterclutch Location: 9 Lake View, Halsnead Park, Prescott, L35 3PX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	527	9	347177 390109
284	Points of Interest - Commercial Services Name: Anro International Ltd Location: Shirebrook, Foxs Bank Lane, Whiston, Prescott, L35 3SS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	645	9	348003 390260
285	Points of Interest - Manufacturing and Production Name: Halsnead Farm Location: Halsnead Farm, Foxs Bank Lane, Whiston, Prescott, L35 3SU Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A13SE (E)	0	9	347705 389584
285	Points of Interest - Manufacturing and Production Name: Tank Location: L35 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	0	9	347720 389654
286	Points of Interest - Manufacturing and Production Name: Workings (Dis) Location: L35 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	455	9	347557 389069
287	Points of Interest - Manufacturing and Production Name: James Patten & Sons Location: Higher Shaw Farm, Penny Lane, Widnes, WA8 5PT Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A14SW (E)	492	9	348231 389383
287	Points of Interest - Manufacturing and Production Name: James Patten & Sons Location: James Patten and Sons-Higher Shaw Farm, Penny Lane, Cronton, WA8 5PT Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A14SW (E)	492	9	348230 389382
288	Points of Interest - Manufacturing and Production Name: Quarry Location: L35 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	775	9	347145 388873

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
288	Points of Interest - Manufacturing and Production Name: Quarry Location: L35 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	816	9	347133 388832
289	Points of Interest - Manufacturing and Production Name: Quarry Location: L35 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	874	9	346968 388882
290	Points of Interest - Manufacturing and Production Name: Works Location: L35 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	933	9	348026 388658
290	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	934	9	348026 388656
291	Points of Interest - Public Infrastructure Name: Slag Heap Location: L35 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	212	9	347554 389312
292	Points of Interest - Public Infrastructure Name: Slag Heap Location: L35 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	545	9	347549 388979
293	Points of Interest - Public Infrastructure Name: Heap (Dis) Location: L35 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	562	9	346999 389280
294	Points of Interest - Public Infrastructure Name: Cemetery Location: L35 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to address or location	A18NE (N)	775	9	347862 390433
294	Points of Interest - Public Infrastructure Name: Knowsley Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	778	9	347879 390434
294	Points of Interest - Public Infrastructure Name: Knowsley Cemetary Location: L35 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to address or location	A18NE (N)	842	9	347852 390503
295	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	850	9	346800 390209
295	Points of Interest - Recreational and Environmental Name: Playground Location: Windy Arbor Road, L35 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	850	9	346800 390210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
296	Points of Interest - Recreational and Environmental Name: Play Area Location: L35 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	946	9	347338 390595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	Ancient Woodland Name: Skilgate Wood Reference: 1109008 Area(m²): 284343.37 Type: Ancient and Semi-Natural Woodland	A12NE (W)	478	10	346973 389730
298	Ancient Woodland Name: West Hill Woods Reference: 1109009 Area(m²): 261291.94 Type: Ancient and Semi-Natural Woodland	A12SW (W)	552	10	346901 389530
299	Areas of Adopted Green Belt Authority: Knowsley Metropolitan Borough Council Plan Name: Proposal Map Status: Adopted Plan Date: 6th January 2016	A13NE (E)	12	5	347786 389606
300	Areas of Adopted Green Belt Authority: St Helens Metropolitan Borough Council Plan Name: St Helens Unitary Development Plan Status: Adopted Plan Date: 2nd July 1998	A13NE (E)	26	7	347786 389681
301	Nitrate Vulnerable Zones Name: Dittton Brook (Halewood To Mersey Estuary) Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NE (NE)	0	3	347616 389611

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Halton Borough Council - Environmental Health Department St Helens Metropolitan Borough Council - Environmental Protection Department Knowsley Metropolitan Borough Council - Department of Planning and Development Liverpool City Council - Liverpool Environmental Health & Trading Standards Division	November 2023 October 2017 October 2017 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	October 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	October 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Halton Borough Council - Environmental Health Department	December 2014 December 2015 January 2015 November 2014	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Halton Borough Council - Environmental Health Department	December 2014 December 2015 January 2015 November 2014	Annual Rolling Update Annually Annual Rolling Update Not Applicable
Local Authority Pollution Prevention and Control Enforcements St Helens Metropolitan Borough Council - Environmental Health Department Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Knowsley Metropolitan Borough Council - Environmental Health and Consumer Protection Division Halton Borough Council - Environmental Health Department	December 2014 December 2015 January 2015 November 2014	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	October 2024	
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region Environment Agency - North West Region	December 1999 January 2000	
Historical Prosecutions Environment Agency, North West Region	March 2013	Not Applicable
Registered Radioactive Substances Environment Agency - Head Office Environment Agency - North West Region	May 2023 May 2023	
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	October 2024	Quarterly
Water Abstractions Environment Agency - North West Region	October 2024	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	October 2024	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2024	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2024	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	October 2024	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area	November 2024	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	October 2024	Quarterly
Local Authority Landfill Coverage Halton Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Merseyside Waste Disposal Authority St Helens Metropolitan Borough Council	February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Halton Borough Council - Environmental Health Department Knowsley Metropolitan Borough Council Liverpool City Council - Liverpool Environmental Health & Trading Standards Division Merseyside Waste Disposal Authority St Helens Metropolitan Borough Council	October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Knowsley Metropolitan Borough Council St Helens Metropolitan Borough Council Liverpool City Council Halton Borough Council	August 2015 February 2016 January 2016 March 2023	Variable Variable Variable Variable
Planning Hazardous Substance Consents Halton Borough Council Knowsley Metropolitan Borough Council St Helens Metropolitan Borough Council Liverpool City Council	August 2015 August 2015 February 2016 January 2016	Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	March 2024	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	December 2024	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Points of Interest - Commercial Services PointX	December 2024	Quarterly
Points of Interest - Education and Health PointX	December 2024	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2024	Quarterly
Points of Interest - Public Infrastructure PointX	December 2024	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2024	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	November 2024	Bi-Annually
Areas of Adopted Green Belt Halton Borough Council Knowsley Metropolitan Borough Council Liverpool City Council St Helens Metropolitan Borough Council	July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Halton Borough Council Knowsley Metropolitan Borough Council Liverpool City Council St Helens Metropolitan Borough Council	July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2024	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	August 2024	Bi-Annually
Marine Nature Reserves Natural England	August 2024	Bi-Annually
National Nature Reserves Natural England	August 2024	Bi-Annually
National Parks Natural England	September 2024	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 November 2024	Bi-Annually
Ramsar Sites Natural England	August 2024	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2024	Bi-Annually
Special Areas of Conservation Natural England	October 2024	Bi-Annually
Special Protection Areas Natural England	November 2024	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
5	Knowsley Metropolitan Borough Council Archway Road, Huyton, Liverpool, Merseyside, L36 9YU	Telephone: 0151 489 6000 Fax: 0151 443 2298 Website: www.knowsley.gov.uk
6	Merseyside Waste Disposal Authority 2nd Floor, North House, 17 North John Street, Liverpool, Merseyside, L2 5QY	Telephone: 0151 2551444 Fax: 0151 2271848 Email: enquiries@merseysidewda.gov.uk
7	St Helens Metropolitan Borough Council Town Hall, Corporation Street, St Helens, Merseyside, WA10 1HP	Telephone: 01744 456000 Fax: 01744 733337 Website: www.sthelens.gov.uk
8	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
9	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
11	Halton Borough Council Municipal Buildings, Kingsway, Widnes, Cheshire, WA8 7QF	Telephone: 0151 424 2061 Fax: 0151 471 7302 Website: www.halton.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

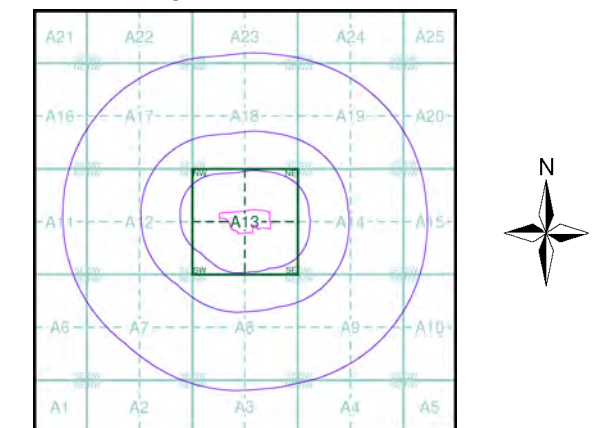
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

Curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1849 - 1850	3
Cheshire	1:10,560	1881	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1908	6
Lancashire And Furness	1:10,560	1928	7
Lancashire And Furness	1:10,560	1938	8
Lancashire And Furness	1:10,560	1951	9
Ordnance Survey Plan	1:10,000	1955 - 1956	10
Ordnance Survey Plan	1:10,000	1966 - 1967	11
Liverpool	1:10,000	1974	12
Ordnance Survey Plan	1:10,000	1977 - 1978	13
St Helens	1:10,000	1984	14
Ordnance Survey Plan	1:10,000	1990 - 1991	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2024	18

Historical Map - Slice A



Order Details

Order Number: 366631170_1_1
Customer Ref: 087052
National Grid Reference: 347620, 389610
Slice: A
Site Area (Ha): 3.43
Search Buffer (m): 1000

Site Details

Halsnead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Fireproof Building

Prominent Fireproof Building

Non-fireproof Building

Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys

Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale

Hydroelectric Power Station

Radio Station, drawn to scale

Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry

Open-pit Salt Mine

Pit

Oil Deposit or Well

Oil Seepage

Tailings Pile

Fuel Storage Tanks

Natural Gas Tank

Bench Mark

Drill Hole

Burial Mound

Triangulation Point on Burial Mound

Single-track Railroad

Double-track Railroad

Railroad and Station Building

Coniferous Forest

Deciduous Forest

Mixed Forest

Lawns

Citrus Orchard

Wet Ground

Scattered Vegetation

243.8 Values for prominent elevations
186.0 Numbers for spot elevations, depth soundings, contour lines, etc.
0.2 Velocity of the current, width of river bed, depth of river
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Partly Demolished Buildings

Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant

Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building

Prominent Industrial Building

Individual Dwelling, Fireproof

Ruins of an Individual Dwelling

Factory or Mill Chimney

Factory or Mill with Chimney

Factory or Mill without Chimney

Mine or Open Pit Mine

Operating Shaft or Mine

Non-Operating Shaft or Mine

Salt Mine

Tailings Pile

Pit

Stone Quarry

Gas Pump or Service Station

Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick

Small Hydroelectric Power Station

Power Station

Transformer Station

Cemetery

Burial Mound (height in metres)

Triangulation Point on Burial Mound

Triangulation Point

Bench Mark

Bench Mark (monumented)

Telegraph Office

Telephone Station

Radio Station

Radio Tower

Airfield or Seaplane Base

Landing Strip

Cut, Fill, Km Post, Plantings

Telegraph/Telephone Lines

Main Highway

Highway under Construction

Improved Dirt Road (former truck road)

Small Bridge, Pipe (Culvert), Tunnel

Double-track Railroad with First Class Station

Dismantled Railroad

Railroad Under Construction

Shore Embankment

River or Ditch with Embankment

Direction and velocity of current

Water Gauge

Well

Water Reservoir or Rain Water Pit

Spring

Isobath with value

Heavy (Index) Contour Line

Contour Line and Value

Half Contour Line

Spot Elevation Value

Coniferous

Deciduous

Mixed

Scrub

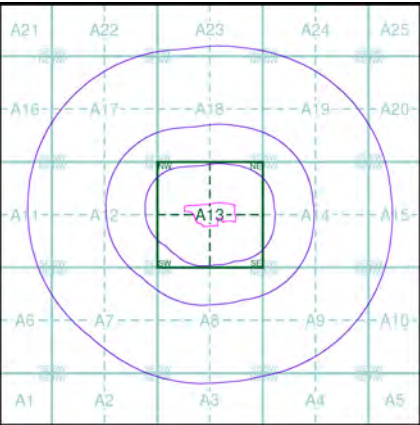
Key to Numbers on Mapping

Curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1849 - 1850	3
Cheshire	1:10,560	1881	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1908	6
Lancashire And Furness	1:10,560	1928	7
Lancashire And Furness	1:10,560	1938	8
Lancashire And Furness	1:10,560	1951	9
Ordnance Survey Plan	1:10,000	1955 - 1956	10
Ordnance Survey Plan	1:10,000	1966 - 1967	11
Liverpool	1:10,000	1974	12
Ordnance Survey Plan	1:10,000	1977 - 1978	13
St Helens	1:10,000	1984	14
Ordnance Survey Plan	1:10,000	1990 - 1991	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2024	18

Russian Map - Slice A



Order Details

Order Number: 366631170_1_1
Customer Ref: 087052
National Grid Reference: 347620, 389610
Slice: A
Site Area (Ha): 3.43
Search Buffer (m): 1000

Site Details

Halsnead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU

Landmark
INFORMATION GROUP

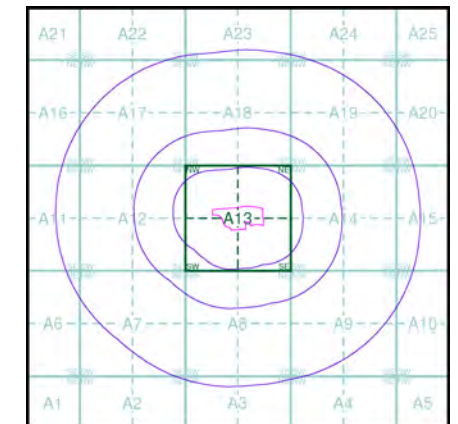
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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Map Name(s) and Date(s)

10700
1850
1:10,560
11400
1849
1:10,560

Historical Map - Slice A

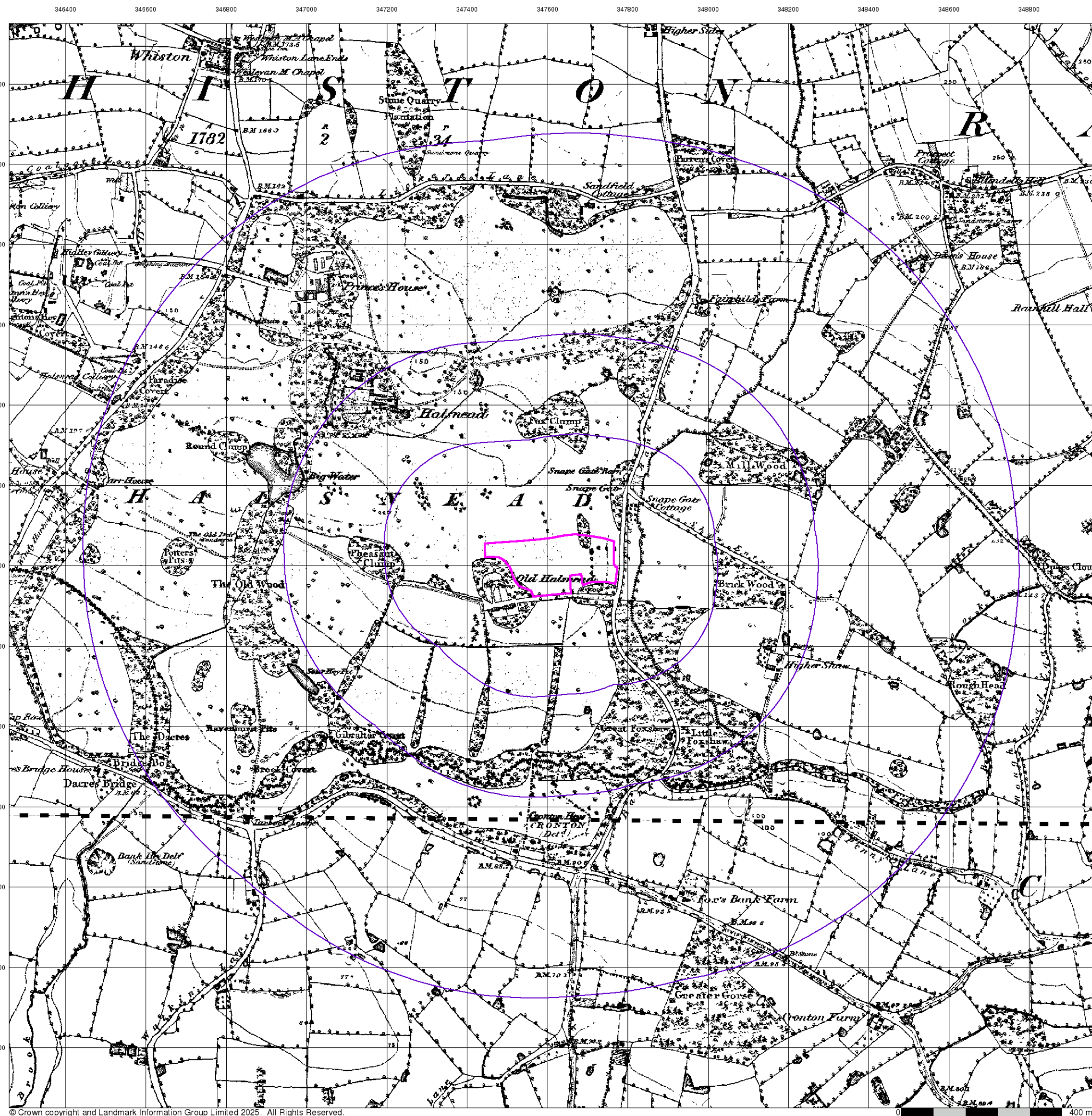


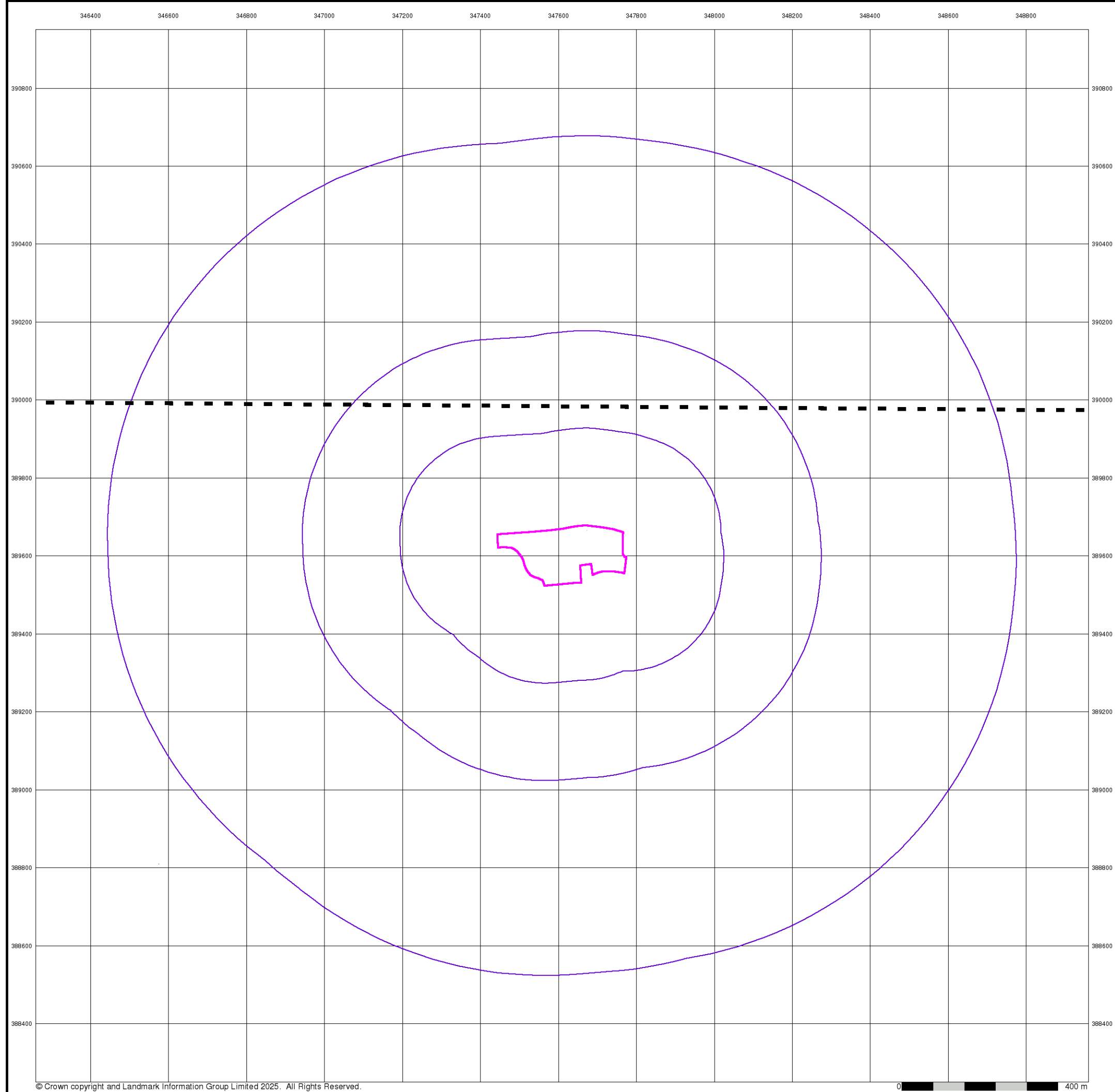
Order Details

Order Number: 366631170_1_1
Customer Ref: 087052
National Grid Reference: 347620, 389610
Slice: A
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Search Buffer (m): 1000

Site Details

Halsnead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU





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0 400 m

Curtins

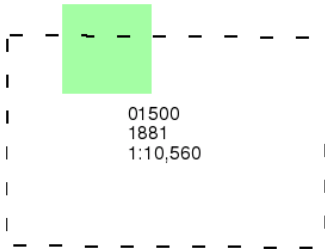
Cheshire

Published 1881

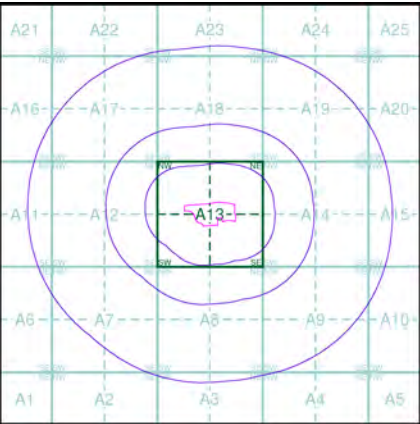
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 366631170_1_1
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National Grid Reference: 347620, 389610
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Site Area (Ha): 3.43
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Site Details

Halsnead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU

Landmark
INFORMATION GROUP

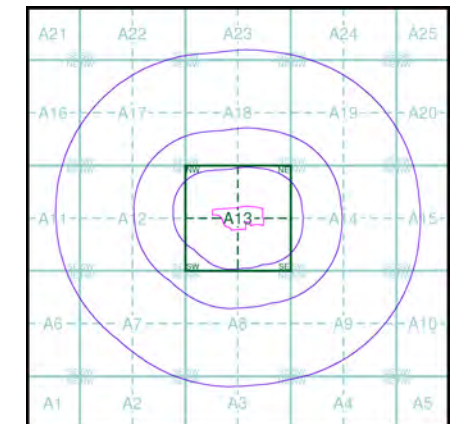
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Map Name(s) and Date(s)

107SE
1894
1:10,560
114NE
1894
1:10,560

Historical Map - Slice A

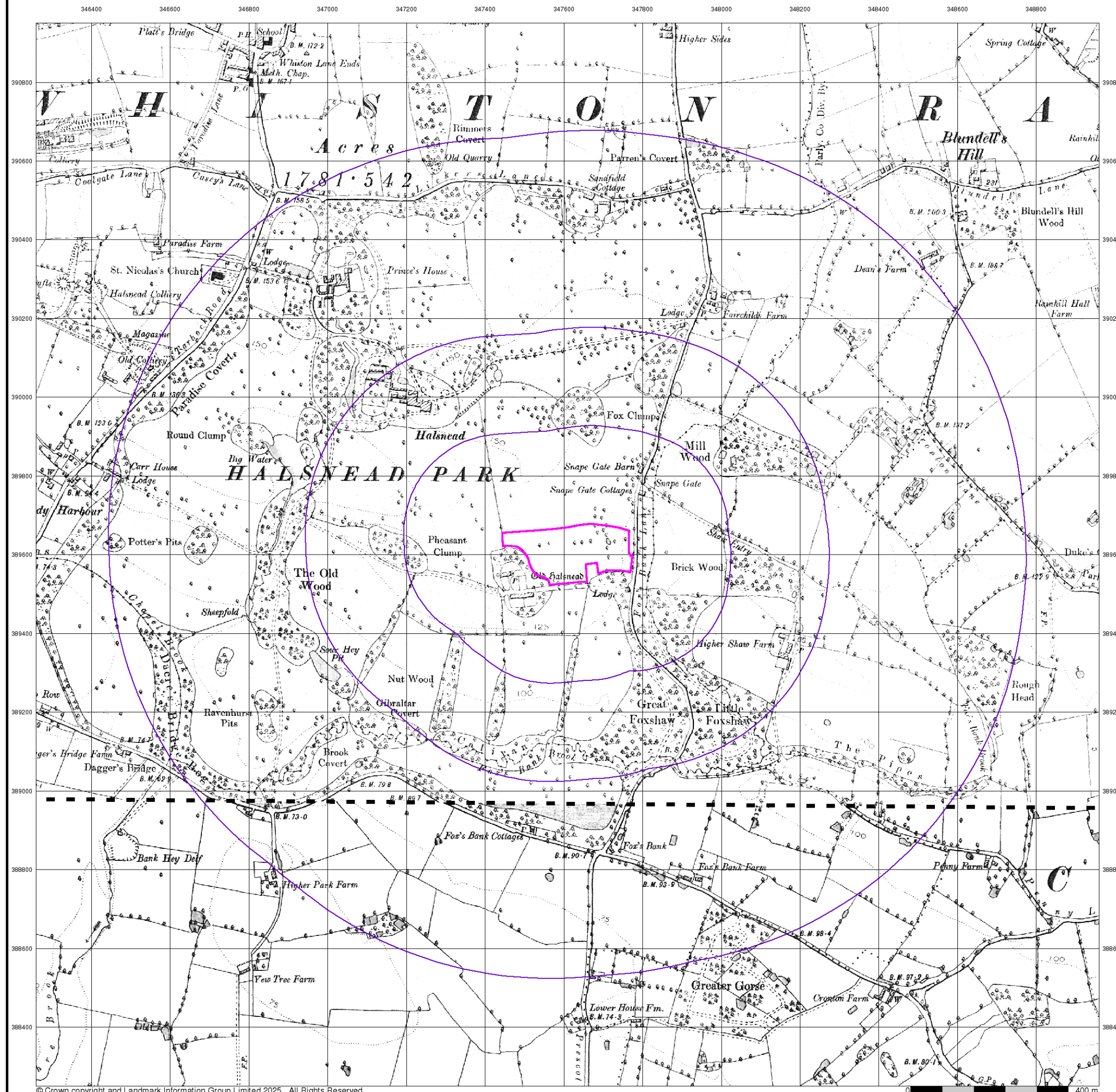


Order Details

Order Number: 366631170_1_1
Customer Ref: 087052
National Grid Reference: 347620, 389610
Slice: A
Site Area (Ha): 3.43
Search Buffer (m): 1000

Site Details

Halshead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU

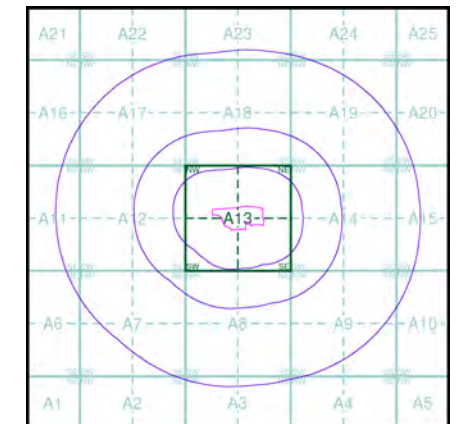


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

107SE
1908
1:10,560
114NE
1908
1:10,560

Historical Map - Slice A

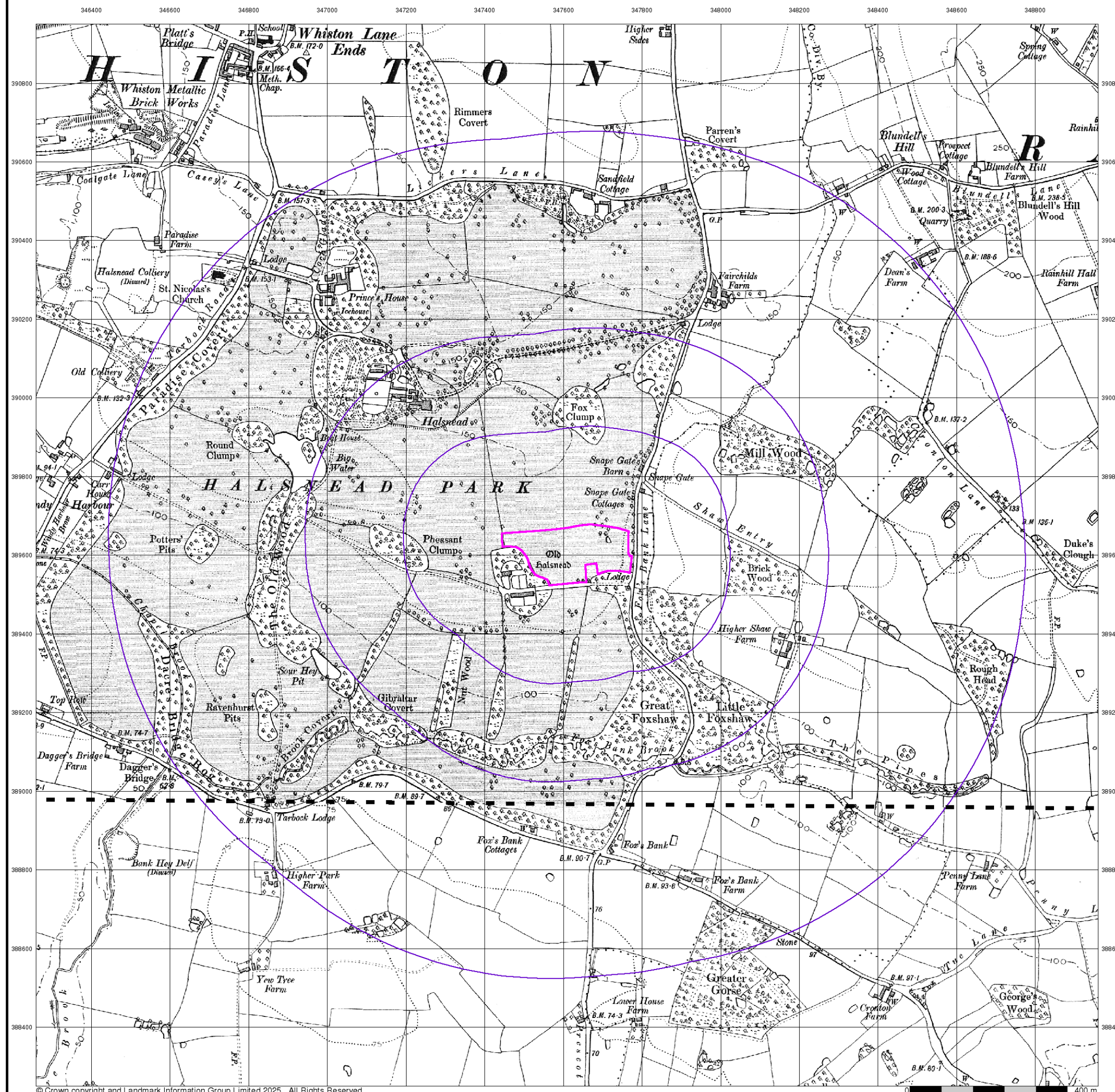


Order Details

Order Number: 366631170_1_1
Customer Ref: 087052
National Grid Reference: 347620, 389610
Slice: A
Site Area (Ha): 3.43
Search Buffer (m): 1000

Site Details

Halshead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU

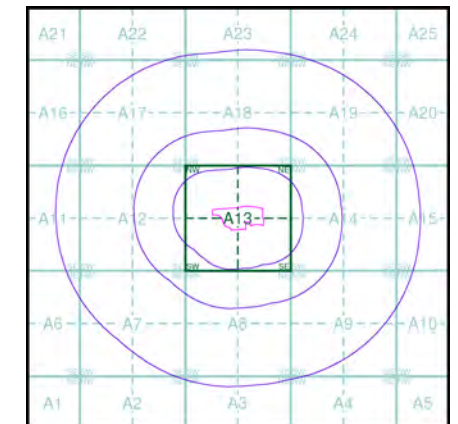


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

107SE
1928
1:10,560
114NE
1928
1:10,560

Historical Map - Slice A

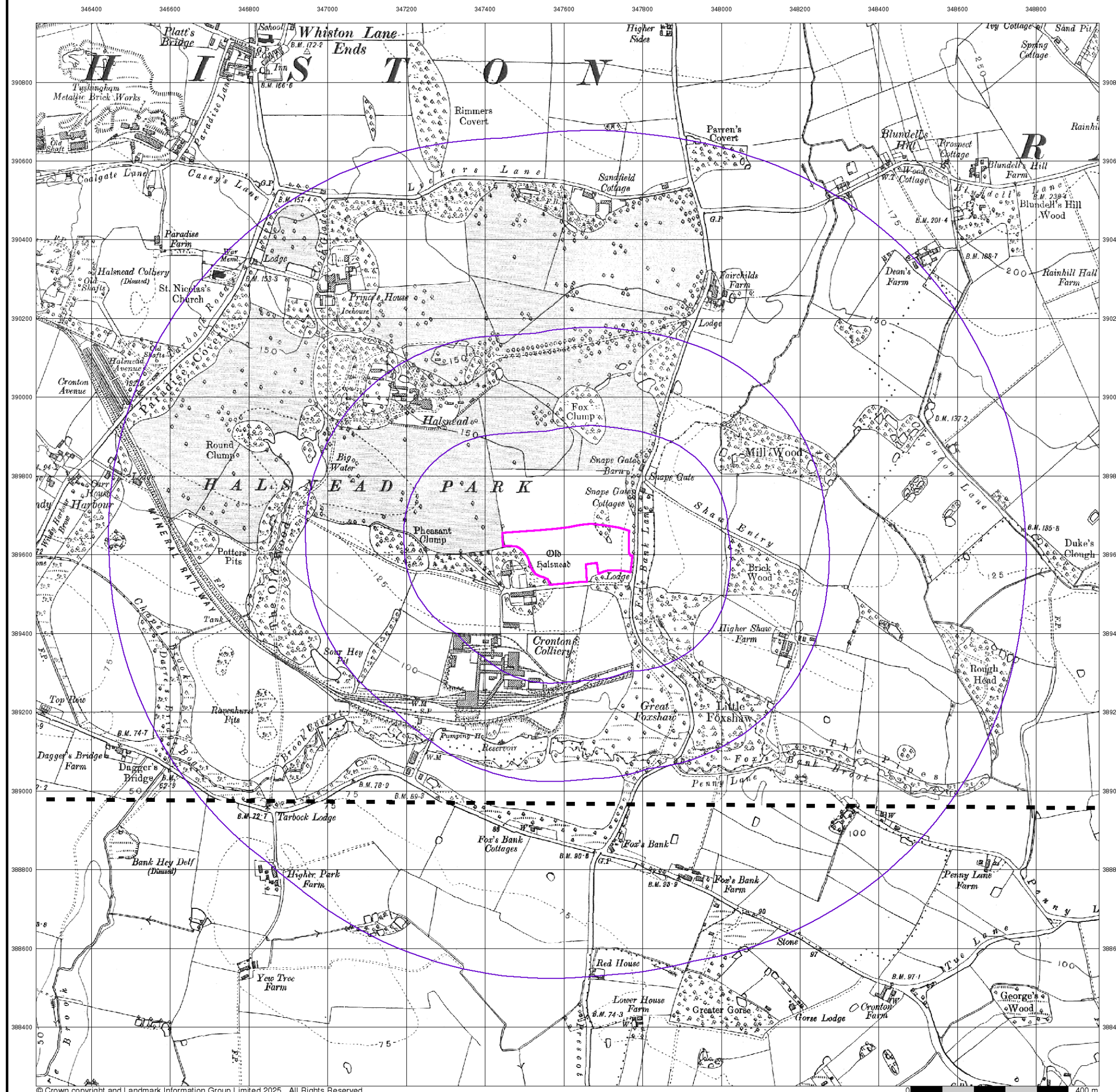


Order Details

Order Number: 366631170_1_1
Customer Ref: 087052
National Grid Reference: 347620, 389610
Slice: A
Site Area (Ha): 3.43
Search Buffer (m): 1000

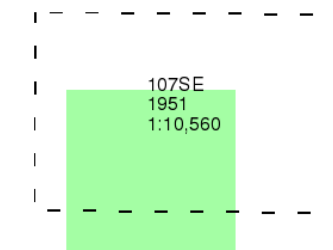
Site Details

Halshead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU

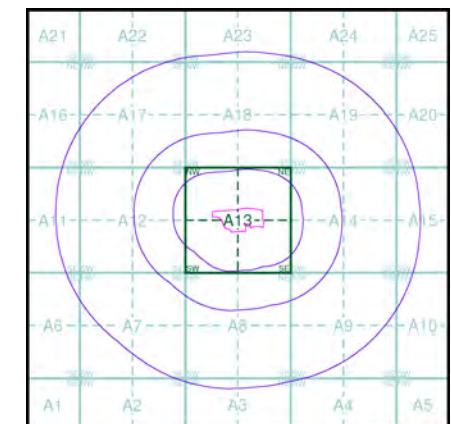


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A

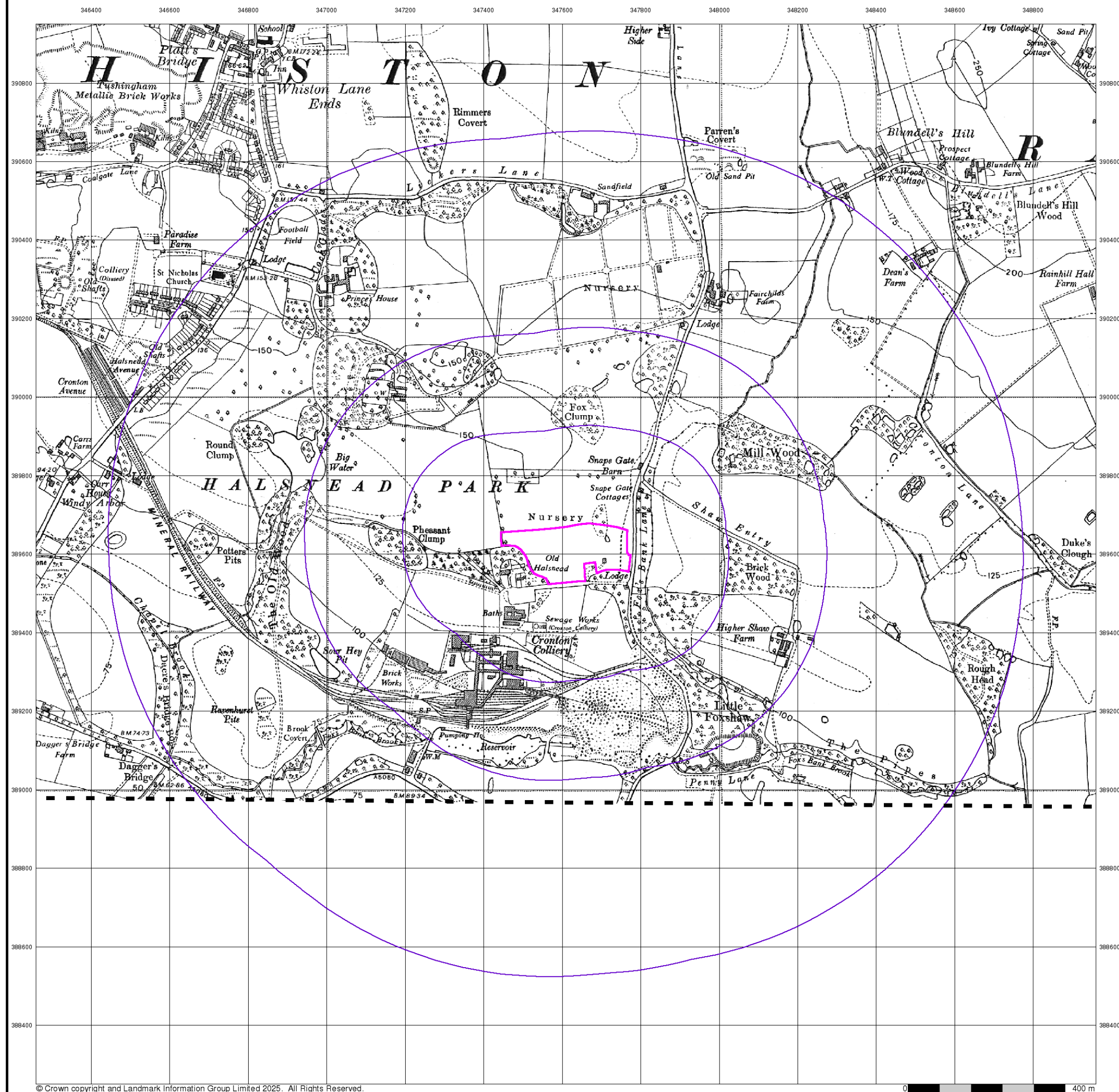


Order Details

Order Number: 366631170_1_1
Customer Ref: 087052
National Grid Reference: 347620, 389610
Slice: A
Site Area (Ha): 3.43
Search Buffer (m): 1000

Site Details

Halsnead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU



Ordnance Survey Plan

Published 1955 - 1956

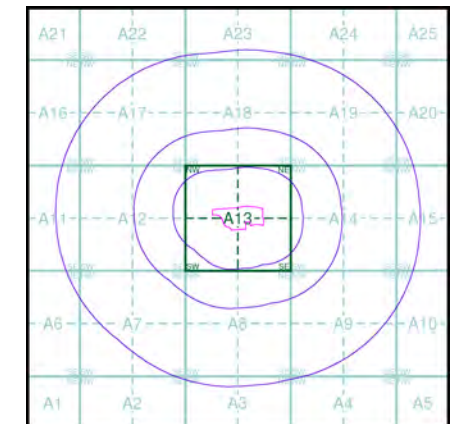
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SJ49SE	1956
1:10,560	
SJ48NE	1955
1:10,560	

Historical Map - Slice A

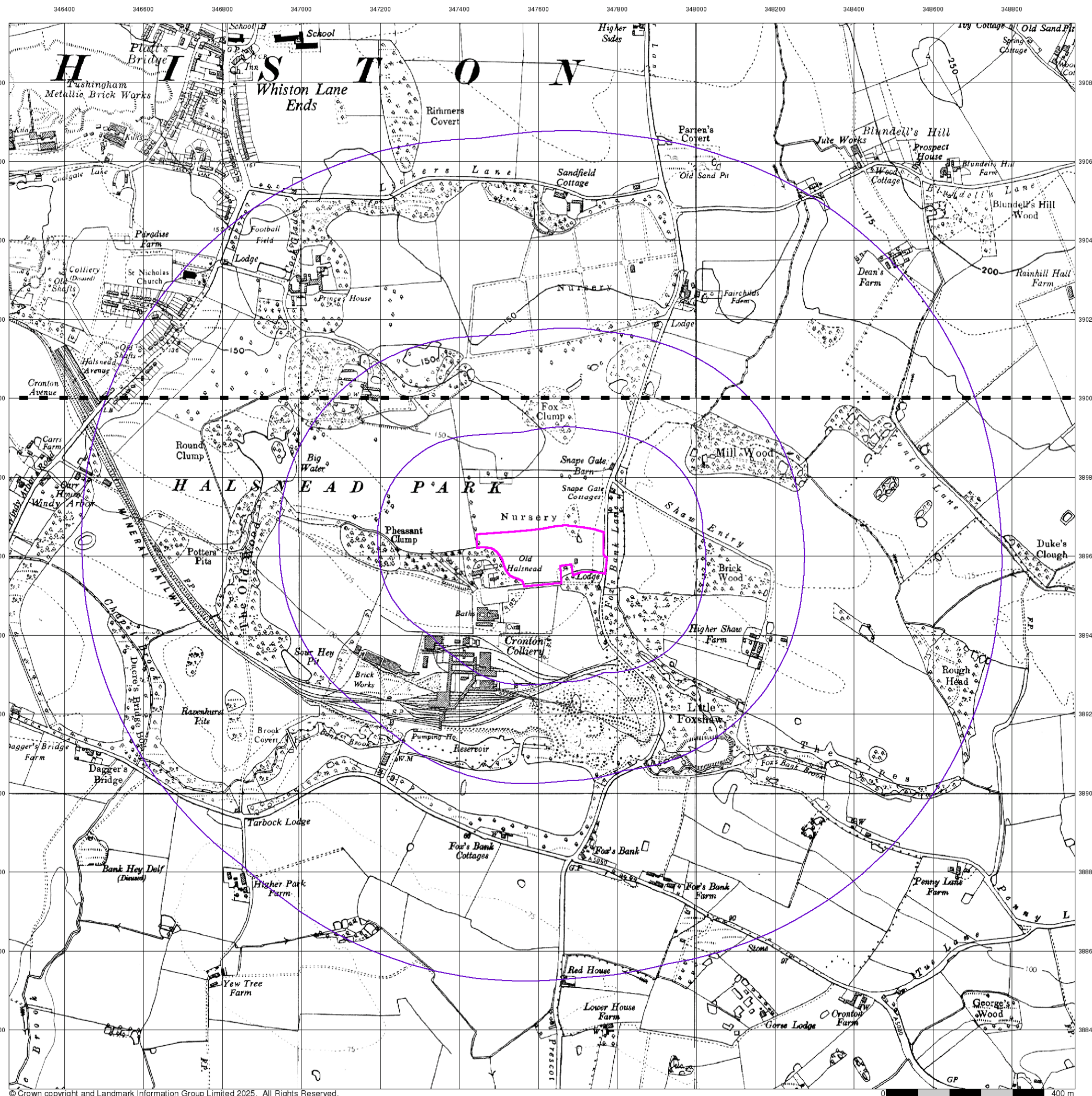


Order Details

Order Number: 366631170_1_1
 Customer Ref: 087052
 National Grid Reference: 347620, 389610
 Slice: A
 Site Area (Ha): 3.43
 Search Buffer (m): 1000

Site Details

Halsnead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU



Ordnance Survey Plan

Published 1966 - 1967

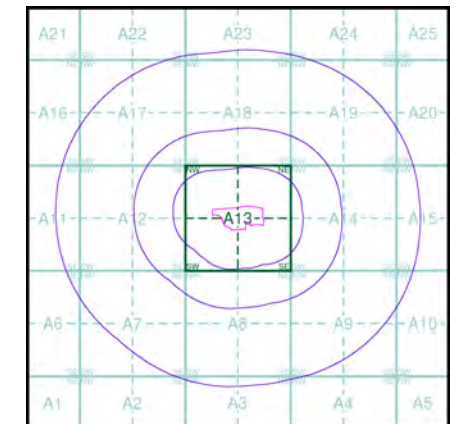
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SJ49SE	1966	1:10,560
SJ48NE	1967	1:10,560

Historical Map - Slice A

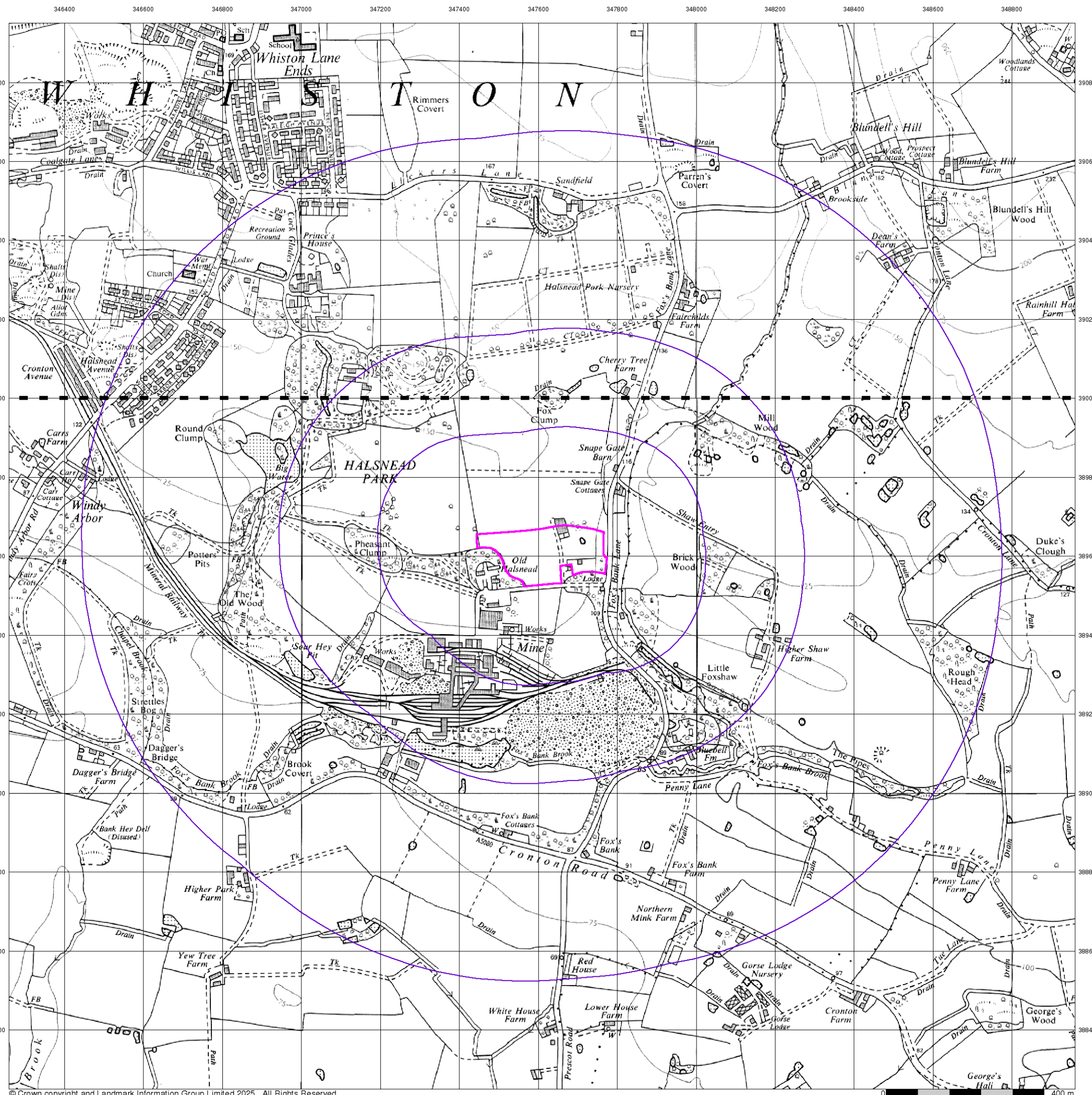


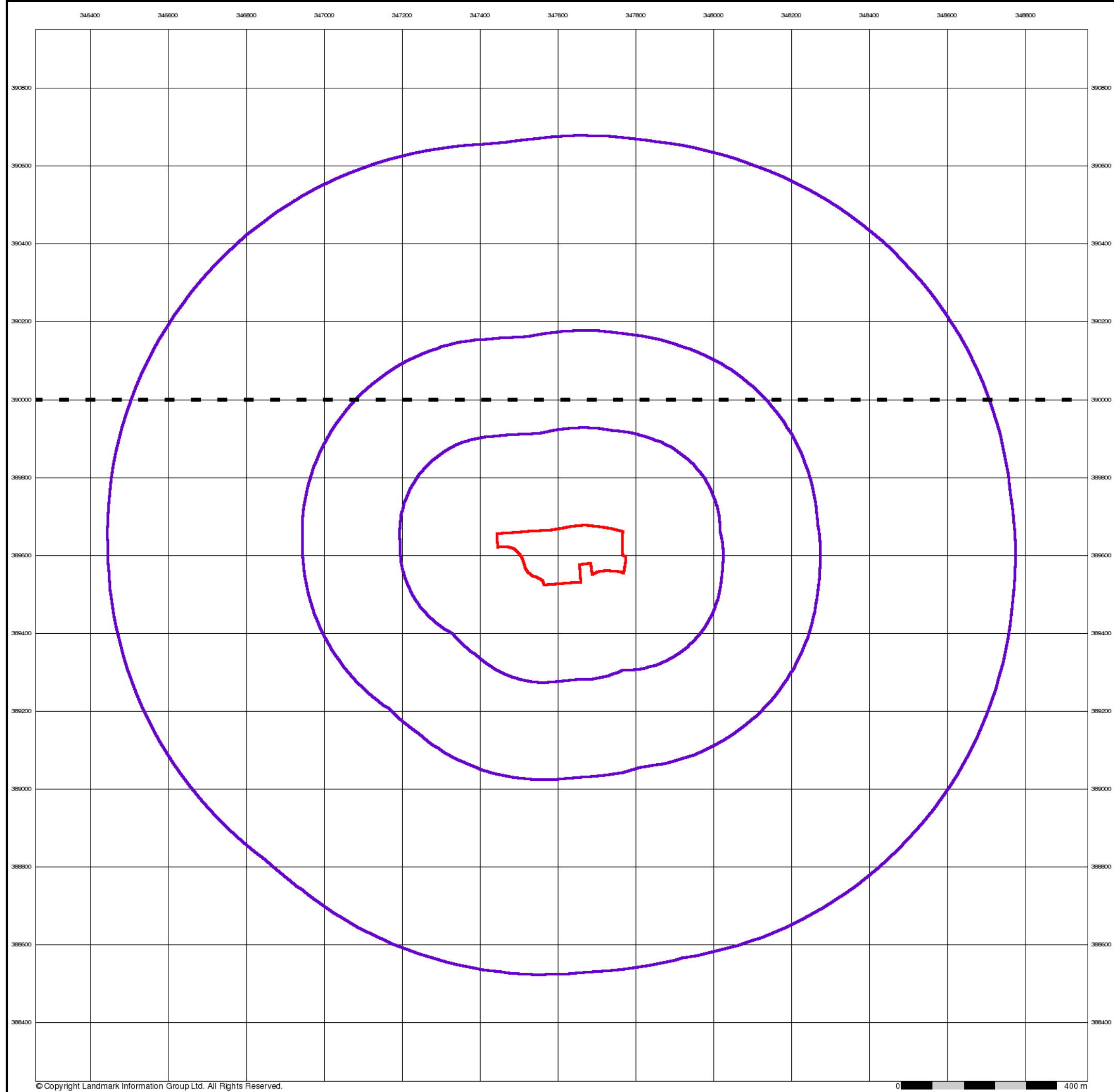
Order Details

Order Number: 366631170_1_1
Customer Ref: 087052
National Grid Reference: 347620, 389610
Slice: A
Site Area (Ha): 3.43
Search Buffer (m): 1000

Site Details

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Curtins

Liverpool

Published 1974

Source map scale - 1:10,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

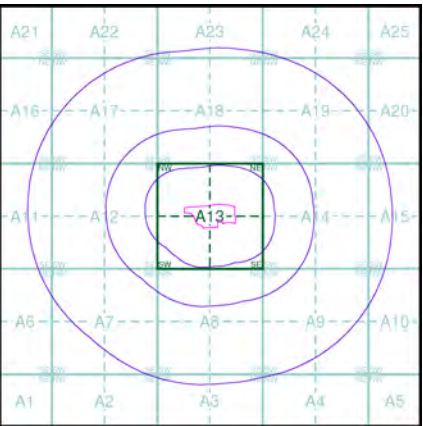
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

SJ49SE
1974
1:10,000

SJ48NE
1974
1:10,000

Russian Map - Slice A



Order Details

Order Number: 366631170_1_1
Customer Ref: 087052
National Grid Reference: 347620, 389610
Slice: A
Site Area (Ha): 3.43
Search Buffer (m): 1000

Site Details

Halsnead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
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Web: www.envirocheck.co.uk

Ordnance Survey Plan

Published 1977 - 1978

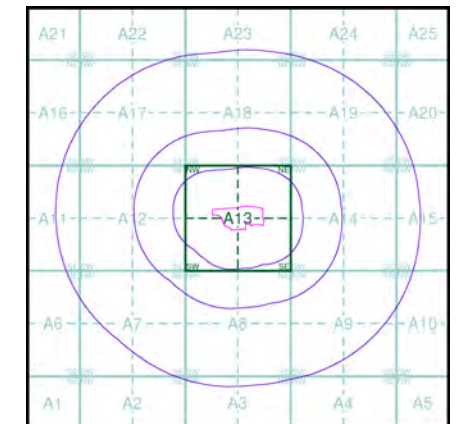
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SJ49SE	1978	1:10,000
SJ48NE	1977	1:10,000

Historical Map - Slice A

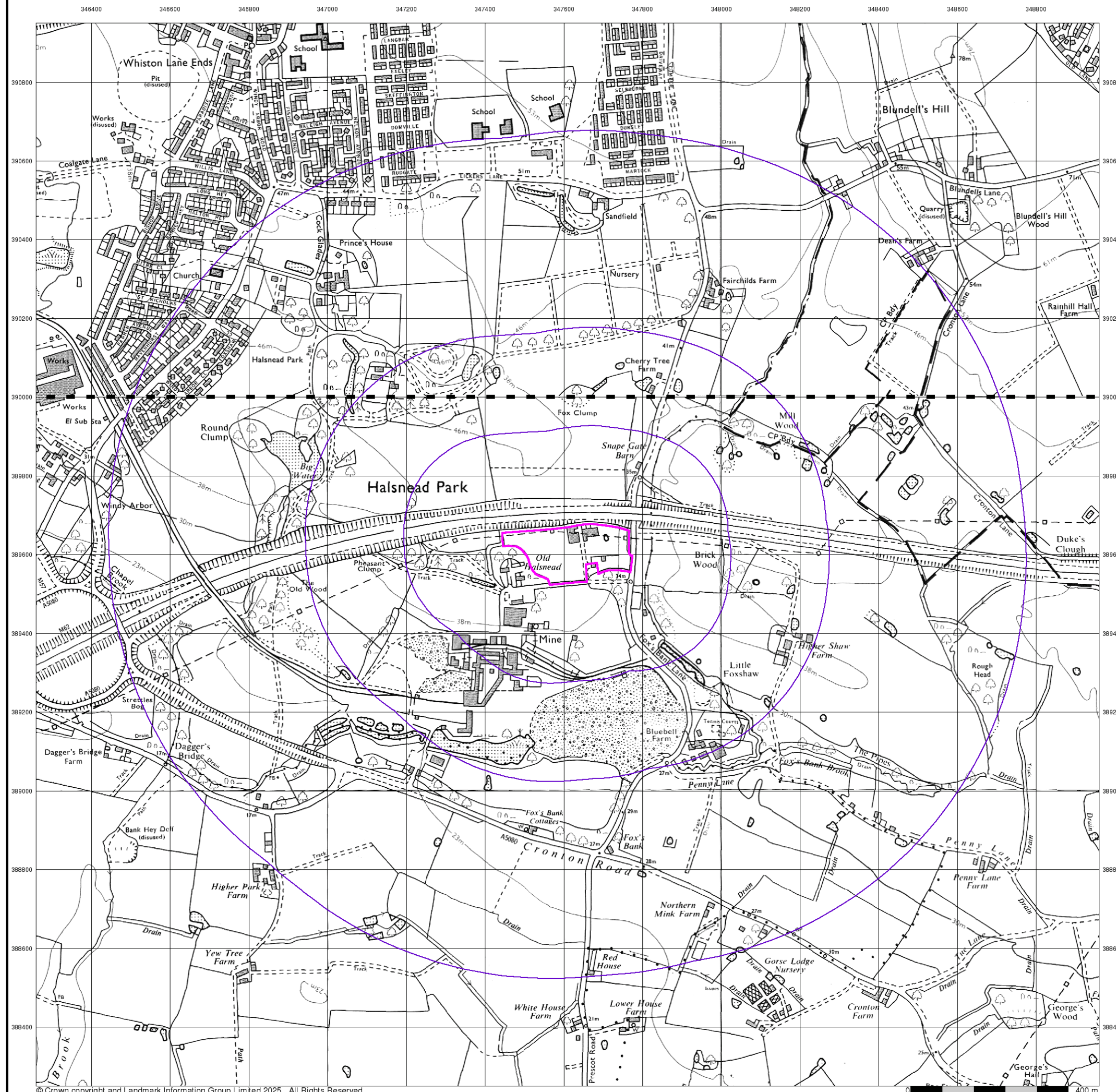


Order Details

Order Number: 366631170_1_1
 Customer Ref: 087052
 National Grid Reference: 347620, 389610
 Slice: A
 Site Area (Ha): 3.43
 Search Buffer (m): 1000

Site Details

Halsnead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU



Curtins

St Helens

Published 1984

Source map scale - 1:10,000

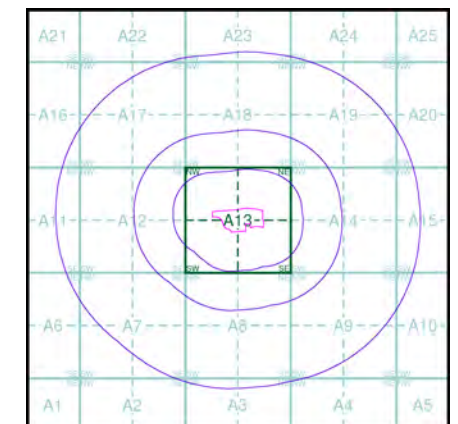
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

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Map Name(s) and Date(s)

SJ49SE
1984
1:10,000
SJ48NE
1984
1:10,000

Russian Map - Slice A



Order Details

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Site Details

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Landmark
INFORMATION GROUP

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Web: www.envirocheck.co.uk



Ordnance Survey Plan

Published 1990 - 1991

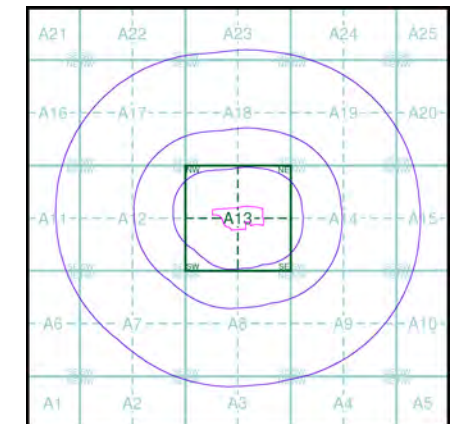
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SJ49SE	1991	1:10,000
SJ48NE	1990	1:10,000

Historical Map - Slice A



Order Details

Order Number: 366631170_1_1
 Customer Ref: 087052
 National Grid Reference: 347620, 389610
 Slice: A
 Site Area (Ha): 3.43
 Search Buffer (m): 1000

Site Details

Halsnead Farm, Foxs Bank Lane, Whiston, PRESCOT, L35 3SU

