

Phase 1: Desk Study

Parkwood Road, Golcar, Huddersfield

Ogden Group

S190321

Solmek Ltd

12 Yarm Road
Stockton-on-Tees
TS18 3NA
Tel: 01642 607083

www.solmek.com

info@solmek.com



PHASE 1 DESK STUDY

PARKWOOD ROAD, GOLCAR

TABLE OF CONTENTS

PHASE 1: DESK STUDY	0
1 EXECUTIVE SUMMARY	1
2 INTRODUCTION AND SCOPE OF INVESTIGATION	2
3 SITE WALKOVER AND DESCRIPTION	2
4 SITE HISTORY	3
5 ENVIRONMENTAL SETTING	4
6 CONCEPTUAL SITE MODEL.....	7
7 PROPOSED PHASE TWO INTRUSIVE WORKS.....	11
TABLE 1: SUMMARY OF SITE HISTORY.....	3
TABLE 2: POTENTIAL PRIORITY CONTAMINANTS	7
TABLE 3: POTENTIAL GROUND GAS POLLUTION LINKAGES.....	8
TABLE 4: PRELIMINARY CONCEPTUAL MODEL	10
TABLE 5: SITE INVESTIGATION RECOMMENDATIONS.....	12

APPENDICES

Appendix A	-	Drawings and Photographs
Appendix B	-	Historical Maps
Appendix C	-	Envirocheck Reports
Appendix D	-	BGS Borehole Log
Appendix E	-	Contamination Guidelines
Appendix F	-	Notes on Limitations

Revision	Date	Prepared By	Signed
Final	March 2019	L Richards <i>Engineering Geologist</i>	
		Checked By	
		L Cassidy <i>Environmental Engineer</i>	
		Approved By	
		R Woods <i>Principal Geotechnical Engineer</i>	

1 EXECUTIVE SUMMARY

Site Address	Parkwood Road, Golcar, Huddersfield, HD3 4TT.
Site Description	<p>The site is roughly rectangular shaped and has a variable sloping topography. The site itself is elevated above Parkwood Road to the northwest, and the site rises upwards towards its centre. From the sites centre, the site slopes downwards to the north, east and southeast, and rises upwards to the southwest.</p> <p>The far southeast of the site falls down sharply towards the southeast.</p> <p>The site is currently undeveloped and consists mostly of rough grassland. Sporadic trees are present, in the west centre of the site and in the southeast of the site. The southeast area along the steep bang is vegetated and overgrown.</p>
Site History <i>On Site</i>	The earliest maps (1854) show that the site was undeveloped agricultural land.
<i>Offsite</i>	From the earliest mapping the area around the site was predominantly agricultural fields with the presence of residential dwellings approximately 60m to the north of the site.
Proposed End Use	The proposed development is outlined to be residential comprising 27no dwellings with associated parking, access roads and soft landscaping.
Environmental Setting <i>Landfill & Waste</i>	There are four Registered Landfill Sites located within 500m of the site, and three Historic Landfill Sites within 500m of the site. There are no Waste Management facilities within 500m of the site.
<i>Regulated Industries</i>	There are nine contemporary trade directory entries within 500m of the site. There are no fuel station entries within 500m of the site.
<i>Geology</i>	The solid geology beneath the site is likely to mostly comprise Huddersfield White Rock of sandstone. There is no recorded data for the drift deposits.
<i>Hydrogeology</i>	Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as Secondary Aquifer – A. The overlying drift is unclassified as there is no data available.
	The site does not lie within a source protection zone.
	There are ten Ground Water Abstractions located within 1km of the site.
<i>Hydrology</i>	The nearest surface water feature is an unnamed river located within the site boundaries.
<i>Flooding</i>	The Envirocheck Report states the site is not at risk of Flooding from Rivers and the Seas without defences, and there are no flood defences, flood water storage areas or areas benefiting from flood defences and flood storage present within 250m of the site.
<i>Radon Gas</i>	<p>The site is in a Radon 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).</p> <p>In accordance with the procedure described in BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings, no radon protection measures are necessary for new buildings or extensions on the site.</p>
Preliminary Geotechnical Assessment	Given the expected ground conditions noted in the sections above, the use of strip or pad foundations for the new development is anticipated at present. Where loose made ground or soft/loose natural deposits are encountered, foundations will need to be taken through the made ground/disturbed ground into underlying natural strata of adequate bearing capacity.
Preliminary Mining Assessment	The site is not located within a Coal Mining Affected Area; therefore, no further investigation is required to mitigate against risks from Coal Mining.
Preliminary Contamination Assessment	The desk study has shown that the site is unlikely to have been exposed to anything other than minimal contamination, with construction/demolition waste and possibly oils or fuel from vehicle spills the most likely source local to the structures. Asbestos may also be present on the site from previous building cladding and roofing.
Potential Sources of Ground Gas	Made ground is expected on site, therefore ground gas assessment is recommended due to the nature of the development.
Phase Two Recommendations	<ul style="list-style-type: none"> • A series of small percussive boreholes with insitu testing and samples. • A series of hand dug trial pits to expose the existing foundations • Gas monitoring comprising six visits over three months. • A series of machine dug trial pits for sampling, insitu soakaways and CBRs. • Geotechnical testing. • Chemical testing.

2 INTRODUCTION AND SCOPE OF INVESTIGATION

Solmek were instructed by Civic Engineers, on behalf of Ogden Group, to undertake a desk study on a parcel of land at Parkwood Road, Golcar, Huddersfield. The proposed development is outlined to be residential comprising 27no dwellings with associated parking, access roads and soft landscaping.

The following steps may be required in the investigation and remediation of potentially contaminated land:

- Phase 1: Desk Study
- Phase 2: Intrusive Investigation
- Phase 3: Remediation Statement
- Phase 4: Validation Reports

Phases 1 and 2 are generally required in the redevelopment of most sites. Phases 3 and 4 are subject to the findings of the initial stages. This report represents Phase 1 of the site investigation.

The purpose of this Phase 1 Desk Study is to evaluate likely ground conditions and significant environmental issues at the site, and to plan the scope of subsequent phases of investigation.

This report may be regarded as a Preliminary Risk Assessment in accordance with the Environment Agency's guidance document *Model Procedures for the Management of Land Contamination* (CLR 11, 2004).

This Phase 1 Desk Study has been undertaken with due regard to current contaminated land guidance issued by the Royal Institution of Chartered Surveyors (RICS) together with BS 10175:2011+A1:2013, "*Investigation of Potentially Contaminated Land - Code of Practice*" and relevant sections of BS 5930: 2015, "*Code of Practice for Ground Investigations*".

The objectives of the investigation are as follows:

- Determine the land use history of the site from an inspection of available Historical Maps
- Determine the environmental setting of the site from available sources
- Determine whether past mining may have had an influence on the site
- Determine whether the site has previously been used for purposes that may have given rise to significant ground contamination
- Provide recommendations for further investigation.

3 SITE WALKOVER AND DESCRIPTION

3.1 General

The centre of the site is located at OS Grid Ref 410330, 416800 and covers an area of approximately 1.04Ha. The area is located at Parkwood Road, Golcar, Huddersfield, HD3 4TT.

The preliminary site inspection was undertaken on the 14th March 2019 and site photographs are presented in Appendix A.

3.2 Site Description

The desk study area is located on a parcel of land south of Parkwood Road.

The site is roughly rectangular shaped and has a variable sloping topography. The site itself is elevated above Parkwood Road to the northwest, and the site rises upwards towards its centre. From the sites centre, the site slopes downwards to the north, east and southeast, and rises upwards to the southwest.

The far southeast of the site falls down sharply towards the southeast.

The site is currently undeveloped and consists mostly of rough grassland. Sporadic trees are present, in the west centre of the site and in the southeast of the site. The southeast area along the steep bang is vegetated and overgrown.

A small flat rectangular area is present in the northwest of the site with anecdotal evidence indicating this was formally a tennis court.

Pedestrian access is possible via steps from Parkwood Road into the site in the northwest. Vehicular access is not possible in the sites current state, however could be achieved from the adjoining building site to the southwest.

A culvert is present in the far southeast of the site.

The site is bordered on all sides by fencing.

3.3 Off Site Features

An old Mill, recently converted to apartments, is present immediately northeast. Ongoing housing developments are present to the southeast, south and west of the site. Parkwood road runs along the northwest of the site with some housing located beyond this.

4 SITE HISTORY

4.1 Map Descriptions

In order to determine the history of the site, previous editions of Historical Maps and Ordnance Survey Plans were inspected. The Historical Maps are presented in Appendix B.

Table 1 presents a summary of the history of the area which includes plots from 1854 to 2019. The summary focuses on the historical land uses and changes relevant to the site and the proposed end use. Measurements are taken from the nearest boundary of the site and all distances quoted are approximate.

TABLE 1: SUMMARY OF SITE HISTORY

OS Map Edition	On-site Features	Off-site Features
1854 1:10,560	The site is undeveloped agricultural land.	Immediately surrounding the site are agricultural fields. An unnamed track or road runs approximately 90m to the north-east of the site. Residential dwellings are present approximately 60m north of the site. Longwood Reservoir is marked approximately 320m to the north-west of the site. Huddersfield Waterworks is marked approximately 300m north of the site.
1893 1:2,500	No significant change.	Construction of Park Wood Mills immediately to the north-east of the site. Residential dwellings constructed immediately to the north and west of the site. Clough Mill is marked approximately 120m east of the site. New House Dye Works with attached reservoirs constructed approximately 140m west of the site.
1894 1:10,560	No significant change.	No significant change.
1907 1:2,500 & 1908 1:10,560	No significant change.	No significant change.
1918-1919 1:2,500	No significant change.	Park Wood Mills no longer marked on the map. Residential houses constructed approximately 150m south east and 220m north-east.
1930 1:10,560	No significant change.	New House Dye Works marked as Leymoor Dye Works.
1938 1:10,560	No significant change.	Construction of residential properties approximately 110m to the west of the site.
1948 1:10,560	No significant change.	Construction of residential properties approximately 200m south of the site.
1956 1:10,000	No significant change.	No significant change.

1961 1:1,250 & 1962-1963 1:2,500	Construction of tennis court on western side of the site.	Construction of residential properties approximately 90m west of the site.
1966-1967 1:10,000	No significant change.	No significant change.
1966-1983 1:1,250	No significant change.	No significant change.
1978-1979 1:10,000 & 1977 1:1,250	No significant change.	Residential houses constructed approximately 120m north-east of the site.
1987 1:10,000	No significant change.	No significant change.
1993 1:1,250	No significant change.	No significant change.
2000 1:10,000	No significant change.	Construction of school approximately 500m south of the site.
2019 1:10,000	No significant change.	No significant change.

4.2 Potential Contamination Sources Identified via Historical Plans

Contamination from historical land uses within a 250m radius of the site have been identified:

Made ground from materials used to infill depressions and form a level area for access or building. This may include brick, concrete, timber, ash, slag, coal and metals.

Construction/demolition waste from construction and demolition immediately around the site over the documented history. This may include brick, concrete, timber, asbestos and metals. Historically road construction used ash as a sub-base material.

Agricultural from pesticides and fertilizers used on the ground to grow and protect crops. Along with possible fuel leakages from farm vehicles.

5 ENVIRONMENTAL SETTING

5.1 Information Sources

The environmental setting of the site was determined through reference to the following:

- Envirocheck Report (including historical map extracts)
- British Geological Survey (BGS): 1:50 000 geological map series sheet 77 Huddersfield Solid and Drift Edition (2003)
- BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings

5.2 Landfill and Waste

The Envirocheck Report indicates that there are four Registered Landfill Sites located within 500m of the site. The nearest of which is located approximately 114m east of the site and authorised for construction and demolition wastes along with excavation waste.

The Envirocheck Report indicates that there are no BGS Recorded Landfill Sites located within 500m of the site.

The Envirocheck Report indicates that there are three Historic Landfill Sites located within 500m of the site. The nearest of which is located approximately 80m east of the site and was authorised for the disposal of Inert and Commercial waste.

The Envirocheck Report indicates that there are no Local Authority Recorded Landfill sites located within 500m of the site.

The Envirocheck Report indicates that there are no Waste Treatment, Transfer and Disposal Sites entries located within 500m of the site.

The Envirocheck Report indicates that there are no Licenced Waste Management Facilities located within 500m of the site.

5.3 Regulated Industries

The Envirocheck Report indicates that there are nine Contemporary Trade Directory Entries located within 500m of the site. The nearest of which is estimated to be 66m east of the site and classified as a clothing and fabric manufacturer. Its status is noted as Inactive.

The Envirocheck Report indicates that there are no Recorded Fuel Sites located within 500m of the site.

The Envirocheck Report indicates that there are no records of Integrated Pollution controls located within 500m of the site.

The Envirocheck Report indicates that there are no records of Integrated Pollution Prevention and Control entries located within 500m of the site.

The Envirocheck Report indicates that there are two Local Authority Pollution Prevention and Control sites or enforcements located within 500m of the site. The nearest of which is approximately 212m to the east of the site. The site has had its authorisation revoked and its process type is reported as the Local Authority Air Pollution Control.

The Envirocheck Report indicates that there are no sites dealing with Hazardous, Explosive or Radioactive Substances located within 500m of the site.

The Envirocheck Report indicates that there is one Substantiated Pollution Incident located within 500m of the site. The incident is stated to be an estimated 133m east of the site and is reported as a Significant Incident for Water Impact. The incident occurred on 13th February 2015. The reported pollutant is cement.

The Envirocheck Report indicates that there are no Sites Determined as Contaminated Land under Part 2A EPA 1990 entries located within 500m of the site.

5.4 Geology

The site is shown to be underlain by solid geology of Huddersfield White Rock most likely comprising Sandstone. There is no data recorded for the drift geology.

There are no faults on the site or within 500m.

BGS Borehole SE11NW29 shows a bedrock of sandstone from a depth of 2.74m interbedded with a sequence of shales and grit bands.

5.5 Mining & Quarrying

The site is not located within a Coal Mining Affected Area; therefore, no further investigation is required to mitigate against risks from Coal Mining.

The Envirocheck Report indicates that there are ten BGS recorded Mineral Sites located within 1km of the site. The nearest of which is approximately 368m north-east of the site. The reported commodity is Sandstone.

The site is not within 1km of a Non-Coal mining area of Great Britain.

The site is within 1km of two Man-Made Mining Cavities. The nearest of which is approximately 736m north-east of the site and the cavity type is not reported. The commodity is reported as flagstones.

The site is not within 1km of a Natural Cavity.

The site is not within 1km of a Brine Compensation area.

5.6 Geological Hazards and Instability

The Envirocheck report presents the maximum hazard ratings of ground stability hazards located on site as follows:

- Negligible hazard is posed by Ground Dissolution Stability Hazards, Compressible Ground Stability Hazards, Running sand and Shrinking or Swelling Clay Stability Hazards
- Very low hazard is posed by Landslides and Collapsible Ground Stability Hazards

5.7 Hydrogeology

Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as Secondary Aquifer – A. The overlying drift is unclassified as there is no data available.

The groundwater vulnerability is categorised as High, due to soil information for urban areas and restored mineral workings being based on fewer observations than elsewhere. These soils are therefore assumed to be highly permeable in the absence of site-specific information.

The site does not lie within a Source Protection Zone.

The Envirocheck Report indicates that there are ten Water Abstractions located within 1km of the site. The nearest of which is an estimated 57m north of the site. The abstraction is reported as for 'Textiles and Leather'. The permit start date is reported to be August 2002. The abstraction source is classified as 'Surface'.

5.8 Hydrology

The nearest surface water feature is an unnamed river located within the site boundaries.

The Envirocheck Report states there are ten Licensed Discharge Consents entries within 500m of the site. The nearest of which is approximately 25m east of the site. The discharge type is reported as 'Trade Effluent', and the discharge is reported as a 'Freshwater stream/river'. The permit was issued in January 1996 and revoked in August 2003.

The Envirocheck Report states there are no Records of Water Industry Act Referrals (potentially harmful discharges to the public sewer) located within 500m of the site.

5.9 Flooding

The Envirocheck Report states the site is not at risk of Flooding or Extreme Flooding from Rivers and the Seas without defences, however based on fluvial models the land 47m north-east of the site is shown to be at risk.

The Envirocheck Report indicates that there are no flood defences, flood water storage areas or areas benefiting from flood defences and flood storage present within 250m of the site.

5.10 Sensitive Land Use

The site does not lie within 2km of any form of Designated Environmentally Sensitive Sites or Protected Areas.

5.11 Radon Gas

The site is in a Radon 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).

In accordance with the procedure described in BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings, no radon protection measures are necessary for new buildings or extensions on the site.

6 CONCEPTUAL SITE MODEL

6.1 General

Based on the information presented in the preceding Sections, and in accordance with the CLR11 guidance noted in Section 1, a Preliminary Conceptual Site Model has been produced.

The main features of the model are discussed in the following sections together with preliminary recommendations where appropriate.

6.2 Likely Ground Conditions

It is expected that, based on available information, ground conditions are likely to be topsoil underlain by possible made ground and construction/demolition waste. The drift deposits on site are unrecorded.

6.3 Potential Buried Obstructions

Based on the site history, buried obstructions are unlikely but cannot be wholly discounted. Relic foundations, railway sleepers, cobbles, bricks, buried tanks and stone blocks are the most likely obstructions.

6.4 Mining Assessment

The site is not located within a Coal Mining Affected Area; therefore, no further investigation is required to mitigate against risks from Coal Mining.

6.5 Preliminary Geotechnical Assessment

Given the expected ground conditions noted in the sections above, the use of strip or pad foundations for the new development is anticipated at present. Where loose made ground or soft/loose natural deposits are encountered, foundations will need to be taken through the made ground/disturbed ground into underlying natural strata of adequate bearing capacity.

Due to the slopes currently present on the site, some earthworks comprising cut and fill and possibly retaining structures may be required to create a level surface for the development, should the existing flat level need extending.

The above suggestions should be regarded as tentative until Phase 2 intrusive works are undertaken and information is available regarding design loads and development layout.

6.6 Preliminary Contamination Assessment

The desk study has shown that the site is unlikely to have been exposed to anything other than minimal contamination, with construction/demolition waste and possibly oils or fuel from vehicle spills the most likely source local to the structures. Asbestos may also be present on the site from previous building cladding and roofing.

In view of the current and future site use, chemical contamination testing is considered necessary. The following chemical testing suite should be considered for selected soil samples:

TABLE 2: POTENTIAL PRIORITY CONTAMINANTS

Inorganic Contaminants	Organic Contaminants
Antimony, Arsenic, Boron, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc, Selenium, Free Cyanide, Soluble Sulphate, pH, Asbestos	Phenol, Organic Matter, speciated PAH

It should be noted that the above potential contaminants are considered to be commonly associated with the

specified past land uses of the site, and adjacent land use. Risk assessment should be undertaken for contamination identified during intrusive investigation.

Potential pathways which link the potential contaminants to end users of the site and controlled waters (receptors) include the following:

- Ingestion of soil (outdoors) / dust (indoors)
- Skin contact with soil (outdoors) / dust (indoors)
- Inhalation of dust (outdoors and indoors)
- Contamination via buried water pipes
- Surface water run-off, including via existing drainage infrastructure
- Downward infiltration of leachable contaminants to groundwater

6.7 Potential Sources of Ground Gas

Ground gases such as carbon dioxide and methane can be classed as a form of contamination. Potential sources of ground gases include:

- Made Ground
- Quarries, Infilled Clay Pits & Infilled Ponds
- Underlying Natural Strata (alluvium, peat and chalk)
- Petrol re-fuelling sites (which also includes Volatile Organic Compounds)
- Landfill (on and off-site)
- Coal measures

Based on historical map evidence and consideration of the sites environmental setting the table below shows a preliminary comparison of *consequence* against *probability* where ground gas is considered a potential threat to human health.

TABLE 3: POTENTIAL GROUND GAS POLLUTION LINKAGES

Potential Sources	Potential Pathway	Receptor
Made ground (CO ₂ , CO and CH ₄). Landfills (CO ₂ and CH ₄).	Ingress and Accumulation into buildings from vertical and horizontal migration	Future users of site are likely to include adults and children. Construction workers (in particular utility workers).
Preliminary Comparison of Consequence versus Probability		
	Classification	Justification
Probability	LOW LIKELIHOOD	Ground gas from made ground.
<i>(Based on Table 8.1, CIRIA C665, 2007)</i>		Two landfills located within 250m radius of the site.
		No coal mining in area.
Consequence	MEDIUM	Residential development.
<i>(Based on Table 8.2, CIRIA C665, 2007)</i>		
	Risk	Details
Consequence vs. Probability	LOW/MODERATE RISK	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the long term. <i>(Based on Table 8.4, CIRIA C665, 2007)</i>
<i>(Based on Table 8.3, CIRIA C665, 2007)</i>		

Given the conditions noted above a ground gas assessment is considered necessary for the site to observe standing groundwater levels and to allow measurements to be made of hazardous gases and/or

contamination levels in groundwater. Monitoring should be undertaken following site works on a minimum of six occasions over three months.

6.8 Risk Assessment for Contaminated Land

As part of this Phase 1 Desk Study, a preliminary conceptual model and risk assessment is produced. This assessment should be revised following the Phase 2 Site Investigation outlining a qualitative risk assessment. Should there be unacceptable risks to the various receptors/end-users following the Phase 2 works, then a remediation strategy may be required to outline measures to satisfy Part 2A of the Environmental Protection Act (1990). The above measures are in line with CLR11 – Model Procedures.

The results of the chemical contamination testing as part of the Phase 2 investigation should be compared to a current Land Quality Management (LQM) – Suitable 4 Use Levels (S4UL) December 2014.

6.9 Conceptual Site Model

The conceptual model collates the salient aspects of the site to form a model which should enable comparison after fieldwork and testing. This model identifies the potential pollution linkages that may influence the proposed development and geotechnical considerations.

The risk ratings are based on the current potential liabilities and likely potential future liabilities. The risks posed by the geotechnical and contamination aspects of the site will be revised following site works, and any mitigating action required added.

The Preliminary Conceptual Model has been undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, which is then used to produce the Preliminary Conceptual Model. Full details of the tables used to assess consequence, likelihood and risk classification are presented in Appendix E.

TABLE 4 : PRELIMINARY CONCEPTUAL MODEL

Source	Pathway	Receptor	Risk Rating	Comments
Asphyxiating or explosive ground gases <ul style="list-style-type: none"> Made ground Landfills within 250m Not in Radon Affected Area 	Ground gas migration <ul style="list-style-type: none"> Migration through permeable soils Inhalation 	Future site users <ul style="list-style-type: none"> Adult and infant residents 	Moderate /Low	Gas monitoring recommended. Six visits over three months proposed.
		Users during development <ul style="list-style-type: none"> Construction workers 	Low	
Areas of contamination <ul style="list-style-type: none"> Potential contaminants in made ground Potential demolition/construction waste 	<ul style="list-style-type: none"> Inhalation 	Future site users <ul style="list-style-type: none"> Adult and infant residents 	Moderate /Low	Gardens proposed- contamination testing required.
		Users during development <ul style="list-style-type: none"> Construction workers 	Moderate /Low	Contamination testing required to determine risks posed during construction
	<ul style="list-style-type: none"> Inhalation Dust ingestion 	Users of surrounding sites <ul style="list-style-type: none"> Nearby residents 	Low	Potential low risk during construction from dust generation. Contamination testing required to quantify the risks.
	<ul style="list-style-type: none"> Leaching of mobilised contaminants 	Solid geology <ul style="list-style-type: none"> Secondary Aquifer – A 	Low	Medium sensitivity aquifer.
		Drift geology <ul style="list-style-type: none"> Not designated 	Very Low	Thin drift deposits expected, unlikely to contain significant groundwater
	<ul style="list-style-type: none"> Drainage Lateral migration Accumulation of contaminated sediment 	Surface water features <ul style="list-style-type: none"> River within site boundaries 	Low	Limited potential due to the small size of the river and readiness to flow. Limited potential contaminants on site.
	<ul style="list-style-type: none"> Uptake via roots and leaf surfaces 	Vegetation <ul style="list-style-type: none"> Proposed gardens 	Moderate /Low	Contamination results to be assessed against phytotoxic thresholds.
Areas of contamination above service fabric or BRE Special Digest 1 thresholds	<ul style="list-style-type: none"> Direct contact 	Construction Materials <ul style="list-style-type: none"> Concrete 	Moderate /Low	pH and sulphates to be assessed during Site Investigation
	<ul style="list-style-type: none"> Direct contact 	Construction Materials <ul style="list-style-type: none"> Service Fabric 	Moderate /Low	Consideration to be given to Pipe Material Table (Appendix E) during Site Investigation

7 PROPOSED PHASE TWO INTRUSIVE WORKS

A Phase 2 Site Investigation should be undertaken to verify the assumptions made in the Preliminary Conceptual Site Model and to provide data for foundation design.

An outline ground investigation strategy is summarised below, based on the preliminary conceptual site model and information obtained during the desk study.

7.1 Site Investigation Rationale

The Conceptual Model highlights that there is potential for contamination on the site. Therefore, an intrusive investigation should be undertaken with the sampling strategies outlined within BS10175:2011 +A1:2013 and CLR4:1994. These strategies can be considered as:

- Non targeted (BS10175) – If no obvious hotspots or potential sources of contamination have been outlined in the desk study, it would be recommended to utilise a stratified random pattern of sampling locations.
- Targeted (CLR4) – If a possible hotspot is suspected on the site, it is recommended to adopt a targeted approach to sample the immediate vicinity of the hotspot. Highly focussed sampling consisting of several samples within the area of the hotspot may be necessary to delineate the extent of the hotspot.

These strategies can be employed either separately or in conjunction and any site investigation should be individually tailored to each site.

The density of sampling required is defined within BS10175 which notes that the density required is dependent on a number of factors including confidence and robustness required, and contaminants, pathways and receptors present.

7.2 Site Specific Sampling Rationale

The analysis of historical maps and the Conceptual Model did not highlight any defined hotspots on the site. Therefore, a non-targeted approach should be utilised, with sample locations arranged evenly across the site in a defined pattern, in order to provide maximum site coverage.

The chemical testing proposed for the site is outlined in Section 6.6.

7.3 Proposed Methods of Investigation

The methods of investigation outlined within Table 5 are considered necessary to address the risks outlined within the Conceptual Model. The locations of these investigation positions will be set out in line with the proposed sampling methodology outlined in Section 7.2

TABLE 5: SITE INVESTIGATION RECOMMENDATIONS

Proposed method of investigation	Purpose	Comments
Hand dug trial pits	Hand dug trial pits to 1.20mbgl to ensure positions are clear of underground services.	To be undertaken prior to the drilling of all boreholes and following CAT scanning and service plan inspection.
A series of small percussive boreholes to ca. 5.00mbgl	<ul style="list-style-type: none"> • To determine shallow ground conditions. • To collect soil samples for geotechnical and chemical testing. • To observe soils profile, localised variations in materials and presence of groundwater. 	<ul style="list-style-type: none"> • Ensure positions are CAT scanned and service plans inspected prior to any excavation. • Hand vanes to be taken in cohesive deposits. • SPT samples in granular strata and rock head. • Disturbed and jar samples to be undertaken for chemical testing.
Trial pitting to ca. 3.00mbgl	<ul style="list-style-type: none"> • To assess the shallow ground conditions and obtain samples for chemical testing. • To undertake insitu hand shear vanes. • To undertake soakaway tests and insitu CBR testing. 	<ul style="list-style-type: none"> • Ensure positions are CAT scanned and service plans inspected prior to investigation. Trial pits required to accompany the boreholes.
Gas/groundwater monitoring wells	To observe standing groundwater levels and to allow measurements to be made of hazardous gases and/or contamination levels in groundwater.	Monitoring to be undertaken following site works on a minimum of six occasions.
Chemical testing	To allow the potential risks identified within the conceptual model to be addressed.	Chemical soils testing to cover potential priority contaminants from Table 2.
Geotechnical testing	To confirm material properties and to provide concrete classification of materials.	Tests may include sulphate analysis, pH, moisture content, Atterberg limit determination, particle size distribution tests and triaxial testing. Further tests may be required depending on the materials encountered.



SOLMEK

Appendix A

Maps & Photos



Contains public sector information licensed under the Open Government Licence v3.0
 OS data © Crown copyright and database right 2016

Title	Site Location Plan
Project	Parkwood Road, Golcar, Huddersfield
Client	Ogden Group
Date	March 2019
Fig No.	Figure 1
Scale	On map
Key	 Approx. Site Boundary
	 N




Solmek Ltd.
 12 Yarm Road
 Stockton-on-Tees
 TS18 3NA

Tel: +44 (0) 1642 607083
 Fax: +44 (0) 1642 612355
 e-mail: south@solmek.com
www.solmek.com





Contains Bing® Imagery ©Microsoft 2016

Title
Site Satellite Image
Project
Parkwood Road, Golcar, Huddersfield.
Client
March Group
Date
January 2019
Fig No.
Figure 2
Scale
On map
Key
 Approx. Site Boundary
 N
Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com
 SOLMEK



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Title	Solid Geology Map
Project	Parkwood Road, Golcar, Huddersfield.
Client	Ogden Group
Date	March 2019
Fig No.	Figure 3
Scale	On map
Key	 Site Boundary  Huddersfield White Rock
	 N
	Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com
	 SOLMEK



Figure 4: View looking west across site



Figure 5: View from south-east of the site looking north

Title	Date
Figures 4 & 5	March 2019
Project	
Parkwood Road, Golcar, Huddersfield	
Client	
Ogden Group	

Solmek Ltd.
 12 Yarm Road
 Stockton-on-Tees
 TS18 3NA

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www.solmek.com





Figure 6: View from the south of the site looking north. Chimney of adjacent mill building visible.



Figure 7: View from the southeast of the site towards the housing development immediately south of the site.


Title	Date	<p data-bbox="1289 1727 1506 1854">Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA</p> <p data-bbox="1177 1899 1506 2027">Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com</p> 
Figures 6 & 7	March 2019	
Project		
Parkwood Road, Golcar, Huddersfield		
Client		
Ogden Group		



Figure 8: View looking southwest at the adjacent housing development. Proposed access route for Phase 2 works.



Figure 9: View looking northwest along the sites southwestern boundary fence.



Title	Date	<p style="text-align: right;">Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA</p> <p style="text-align: right;">Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com</p> 
Figures 8 & 9	March 2019	
Project		
Parkwood Road, Golcar, Huddersfield		
Client		
Ogden Group		



Figure 10: View looking northeast across the site towards the converted Mill.



Figure 11: View looking northwest through the site towards existing properties northwest of the site.

Title	Date	<p data-bbox="1289 1727 1506 1854">Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA</p> <p data-bbox="1177 1899 1506 2027">Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com</p> 
Figures 10 & 11	March 2019	
Project		
Parkwood Road, Golcar, Huddersfield		
Client		
Ogden Group		

Appendix B Historic Mapping

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
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Sloping Masonry
- Pylon
- Electricity Transmission Line
- Pole
- Cutting
- Embankment
- 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
Shown only when not coincident with other boundaries
- Civil Parish
Shown alternately when coincidence of boundaries occurs
- BP, BS** Boundary Post or Stone
- Ch** Church
- CH** Club House
- F E Sta** Fire Engine Station
- FB** Foot Bridge
- Fn** Fountain
- GP** Guide Post
- MP** Mile Post
- MS** Mile Stone
- Pol Sta** Police Station
- PO** Post Office
- PC** Public Convenience
- PH** Public House
- SB** Signal Box
- Spr** Spring
- TCB** Telephone Call Box
- TCP** Telephone Call Post
- W** Well

1:10,000 Raster Mapping

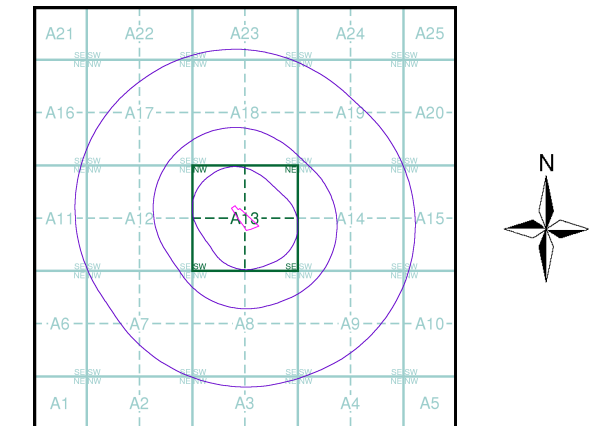
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary
- Refuse tip or slag heap
- Rock (scattered)
- Boulders (scattered)
- Mud
- Sand Pit
- Top of cliff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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1854	2
Yorkshire	1:10,560	1894	3
Yorkshire	1:10,560	1908	4
Yorkshire	1:10,560	1930	5
Yorkshire	1:10,560	1938	6
Yorkshire	1:10,560	1948	7
Ordnance Survey Plan	1:10,000	1956	8
Ordnance Survey Plan	1:10,000	1966 - 1967	9
Ordnance Survey Plan	1:10,000	1978 - 1979	10
Ordnance Survey Plan	1:10,000	1987	11
Ordnance Survey Plan	1:10,000	1993	12
10K Raster Mapping	1:10,000	2000	13
Street View	Variable		14

Historical Map - Slice A



Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 1000

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



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

Yorkshire

Published 1854

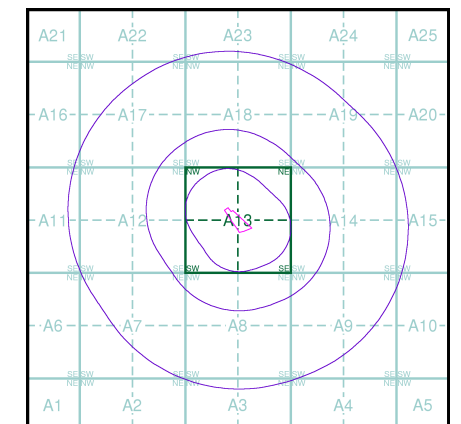
Source map scale - 1:10,560

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)

24600	1854	1:10,560
26000	1854	1:10,560

Historical Map - Slice A

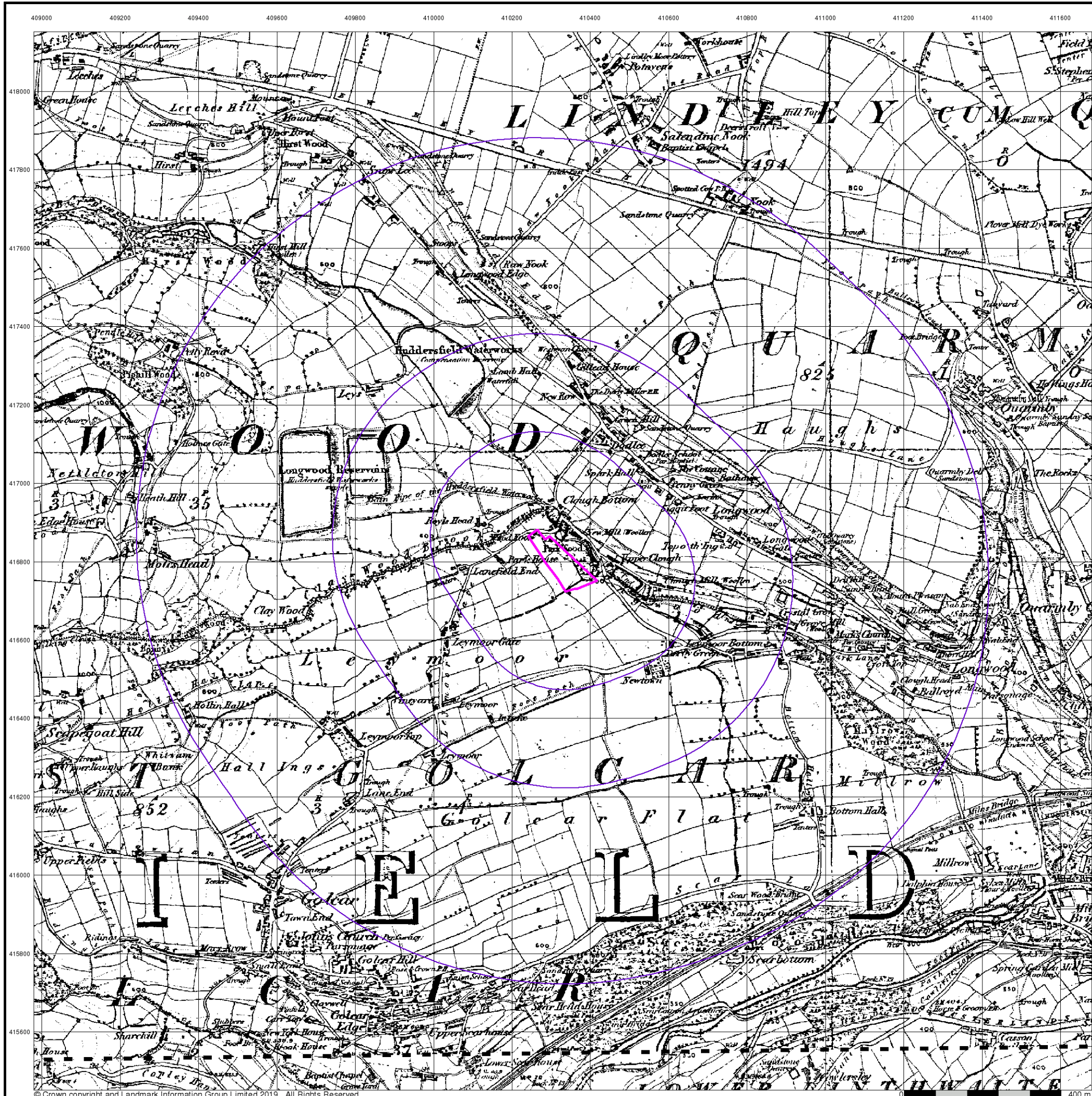


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Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



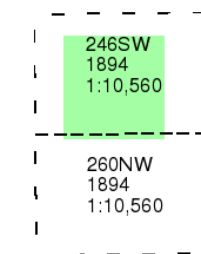
Yorkshire

Published 1894

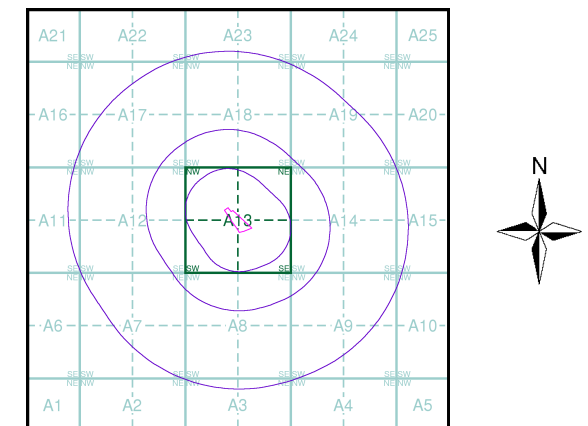
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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

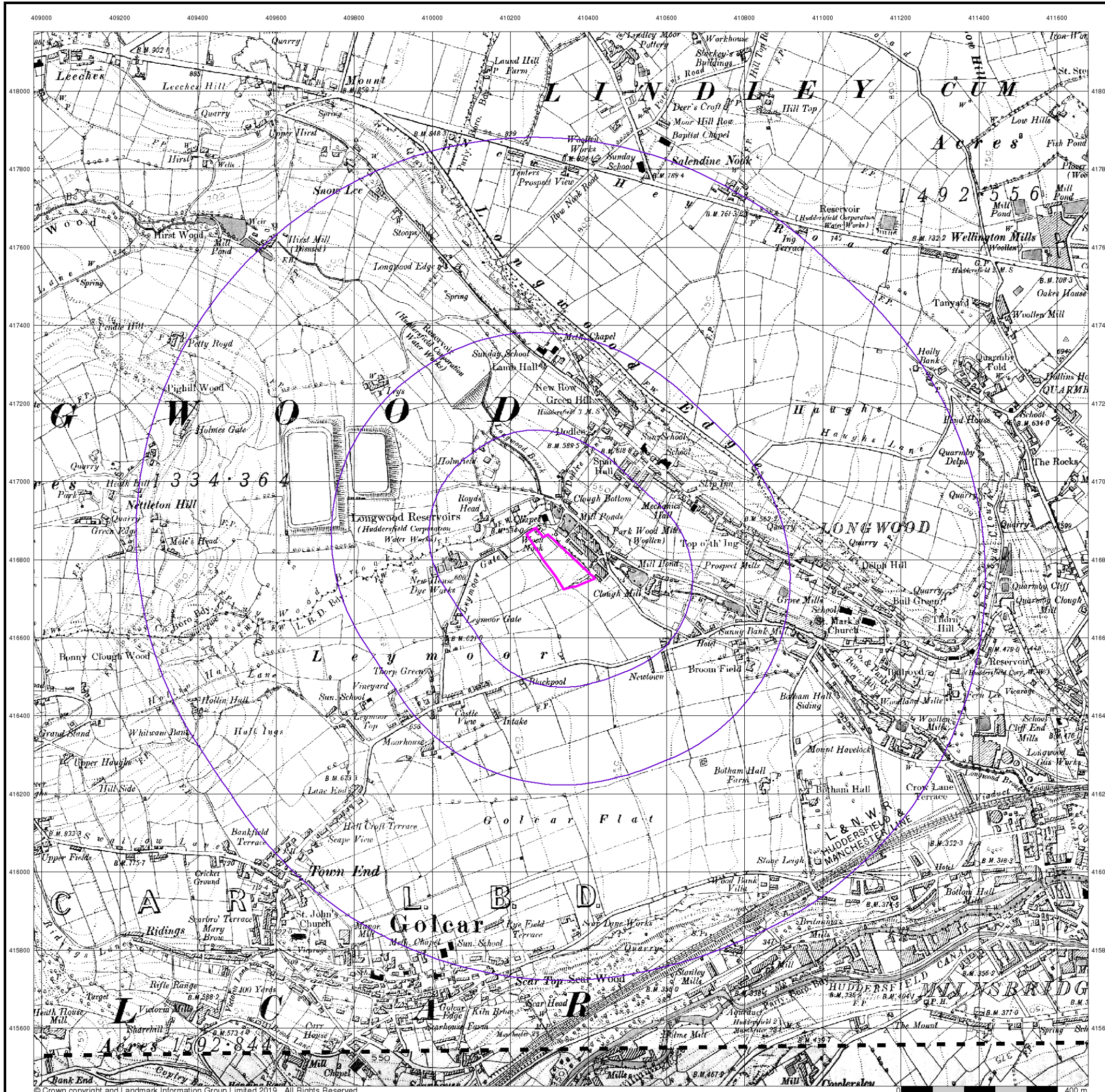


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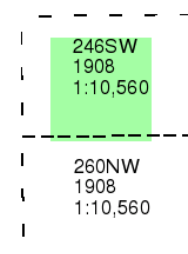
Yorkshire

Published 1908

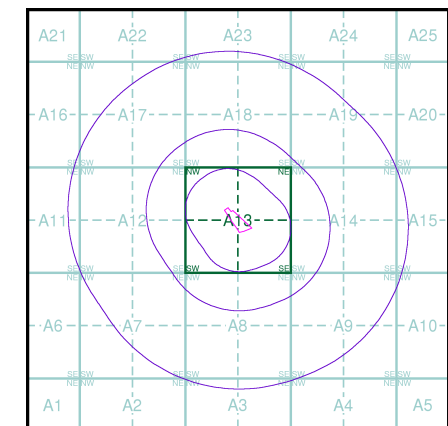
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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

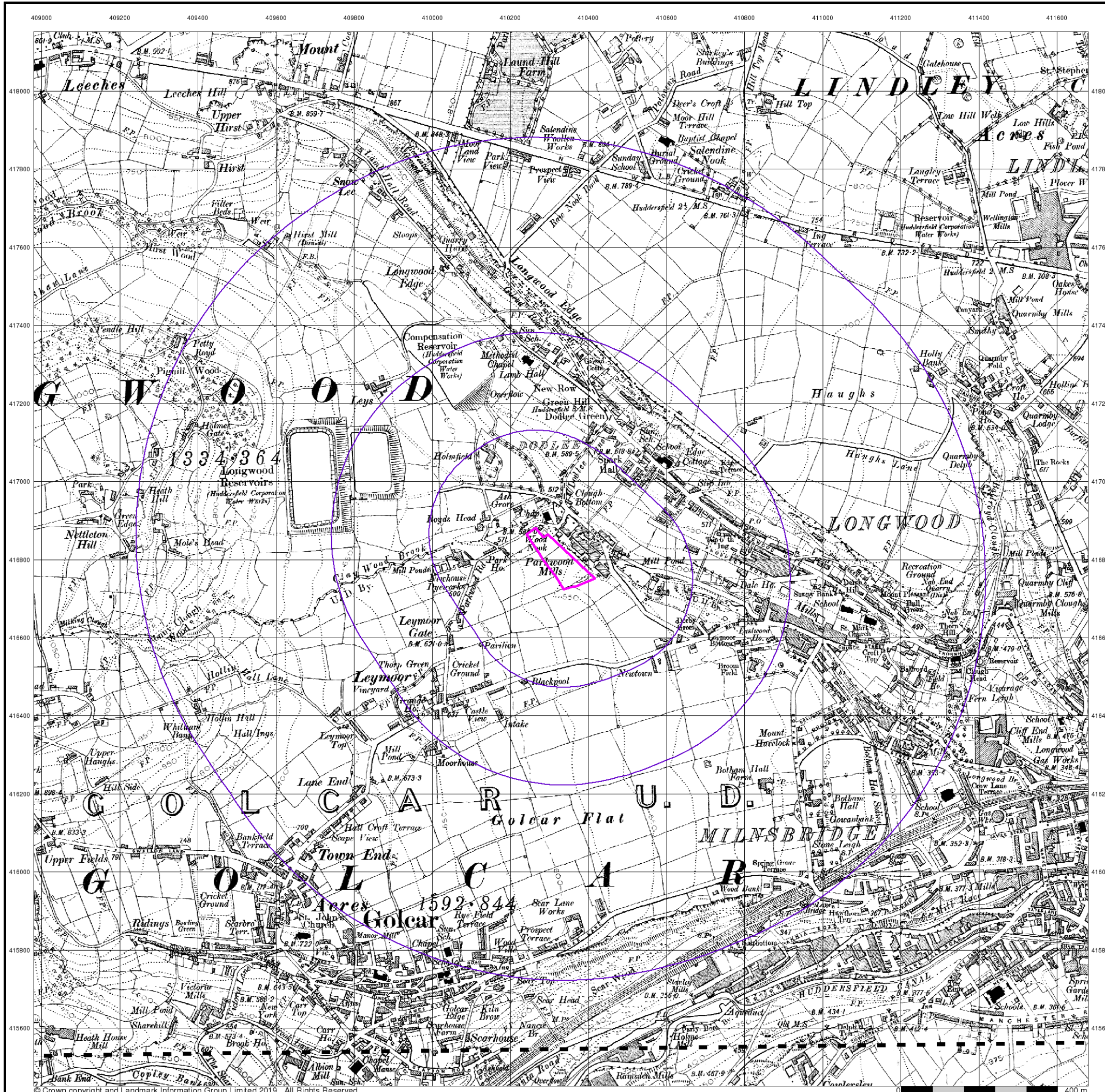


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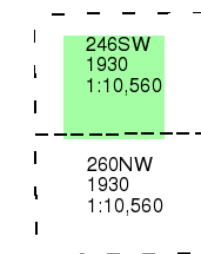
Yorkshire

Published 1930

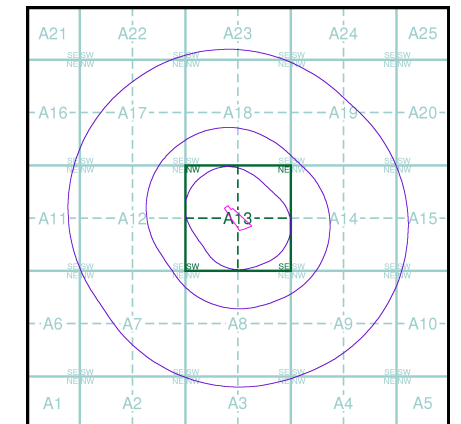
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Map Name(s) and Date(s)



Historical Map - Slice A

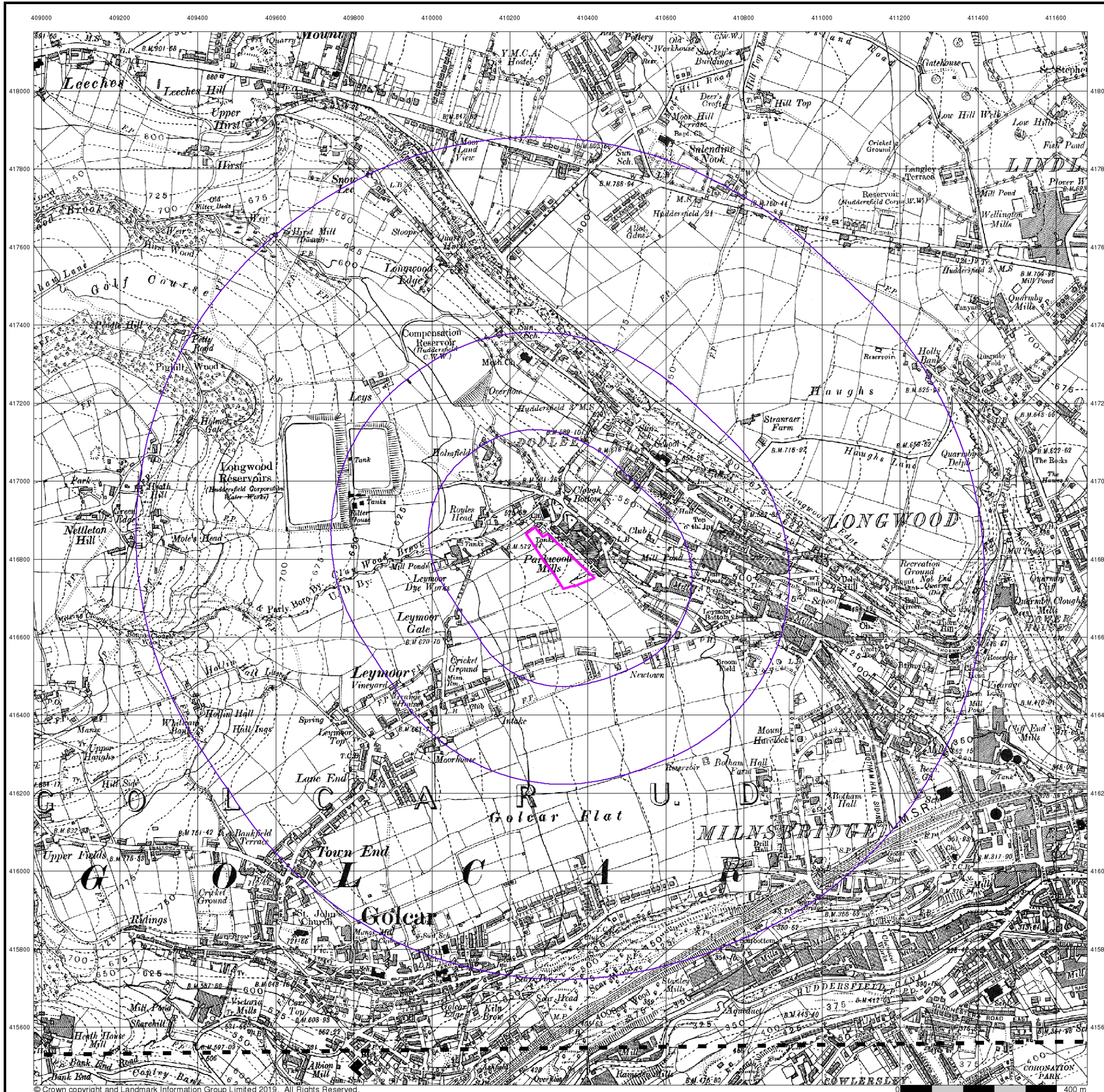


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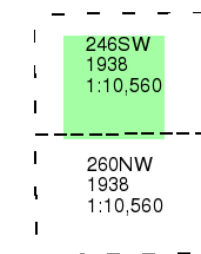
Yorkshire

Published 1938

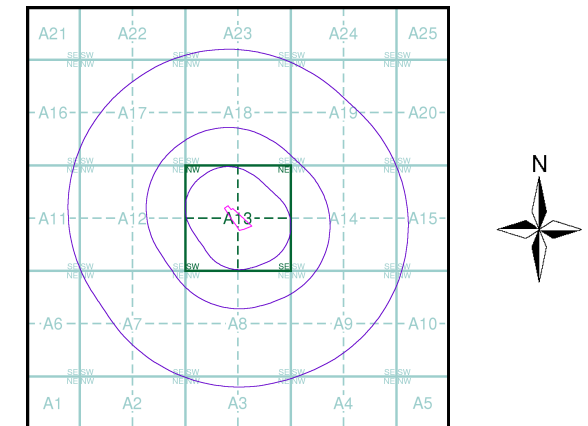
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Map Name(s) and Date(s)



Historical Map - Slice A

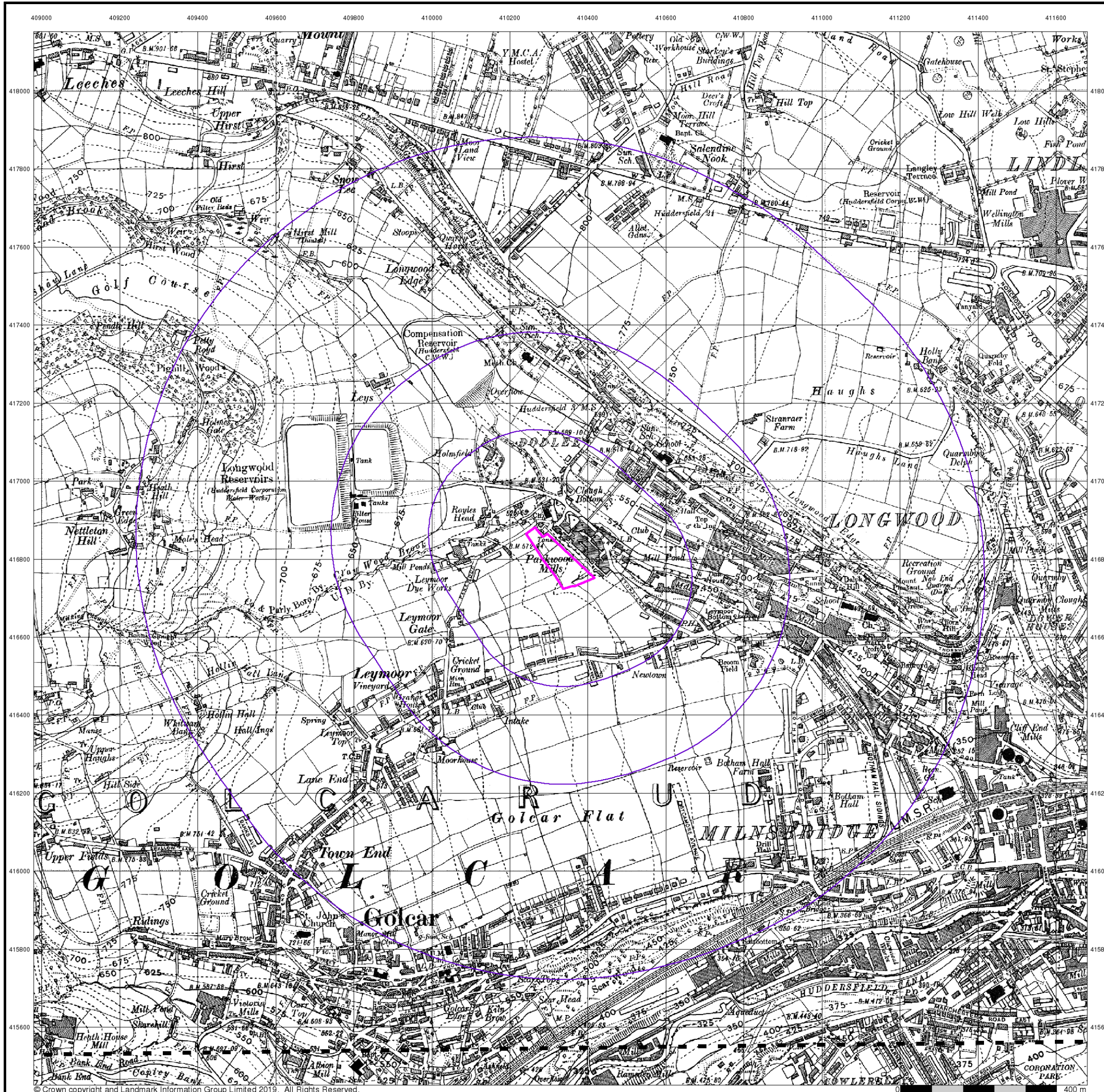


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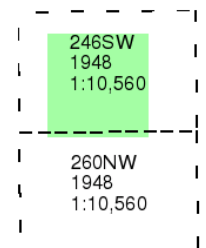
Yorkshire

Published 1948

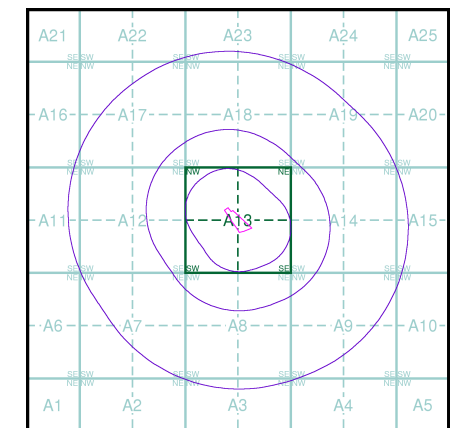
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Map Name(s) and Date(s)



Historical Map - Slice A

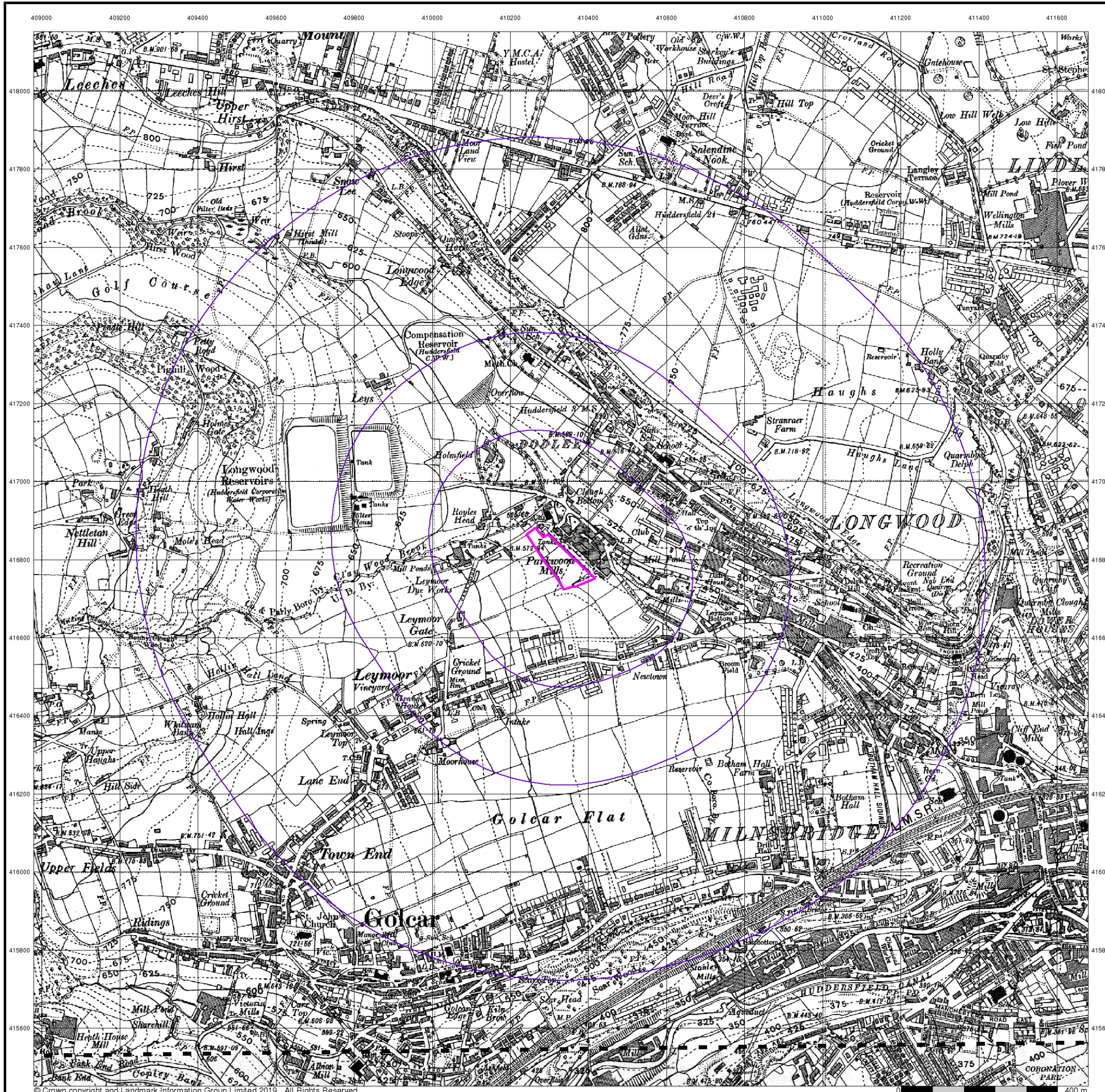


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6, Parkwood Road, HUDDERSFIELD, HD3 4TT



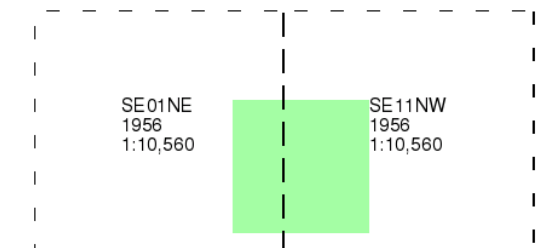
Ordnance Survey Plan

Published 1956

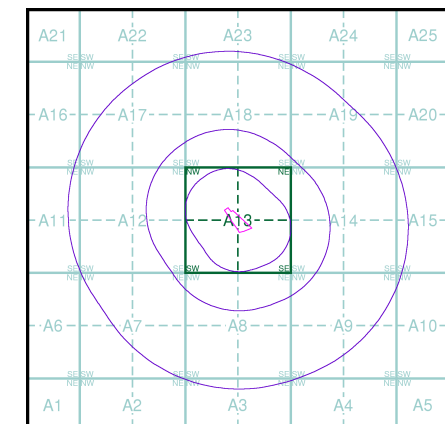
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A

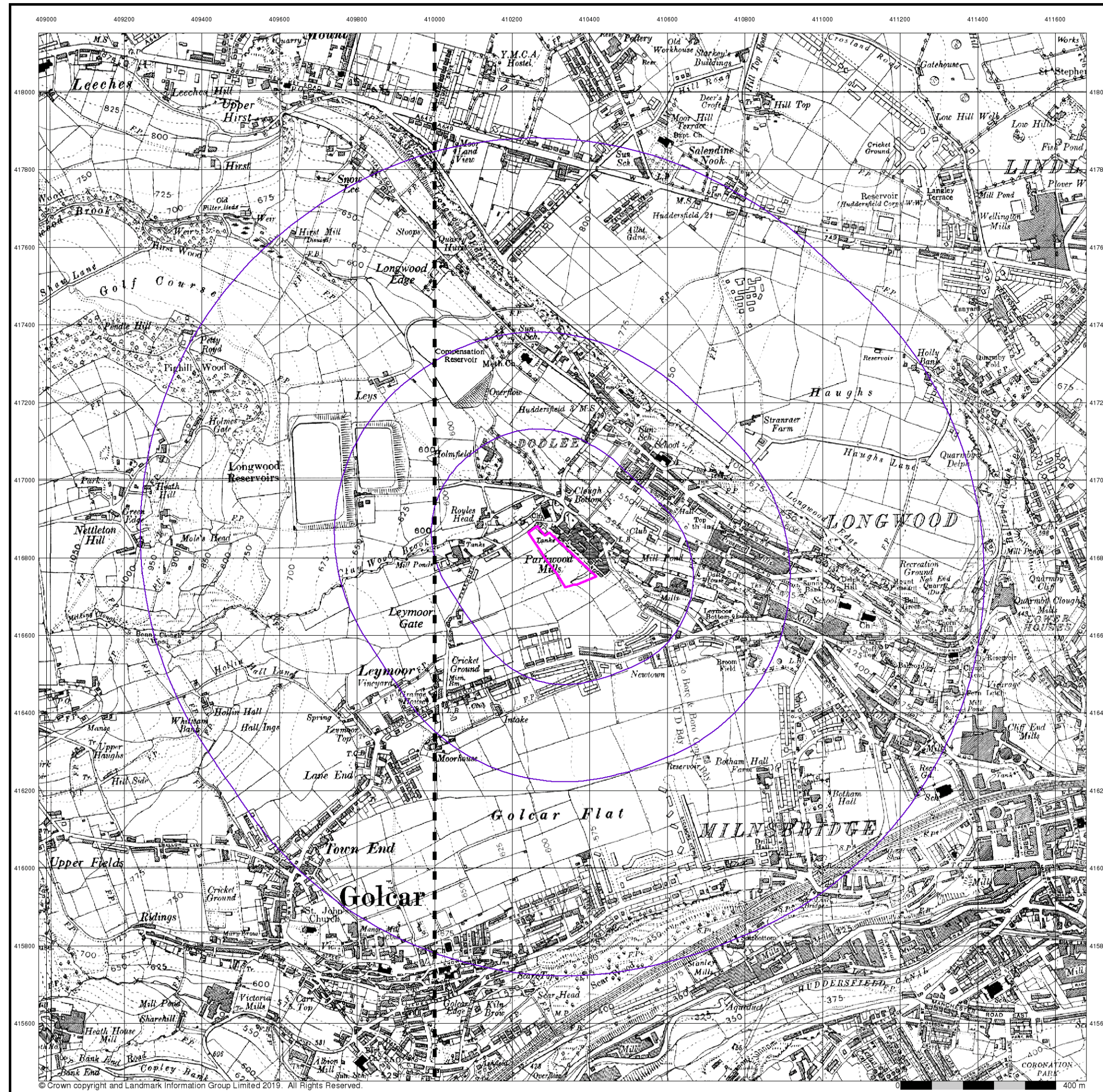


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 Search Buffer (m): 1000

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



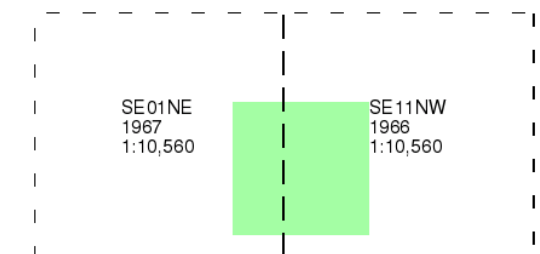
Ordnance Survey Plan

Published 1966 - 1967

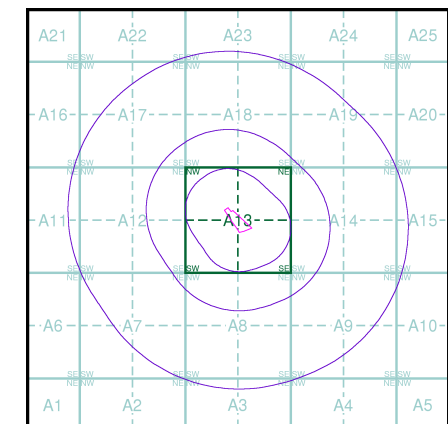
Source map scale - 1:10,000

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)



Historical Map - Slice A



Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 1000

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



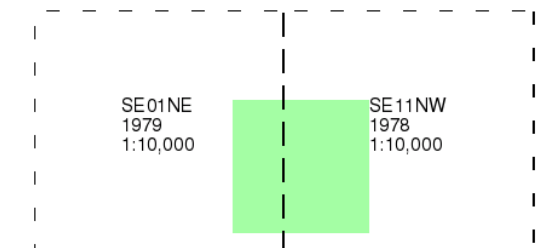
Ordnance Survey Plan

Published 1978 - 1979

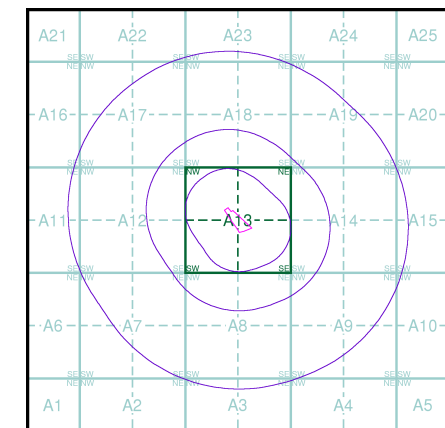
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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

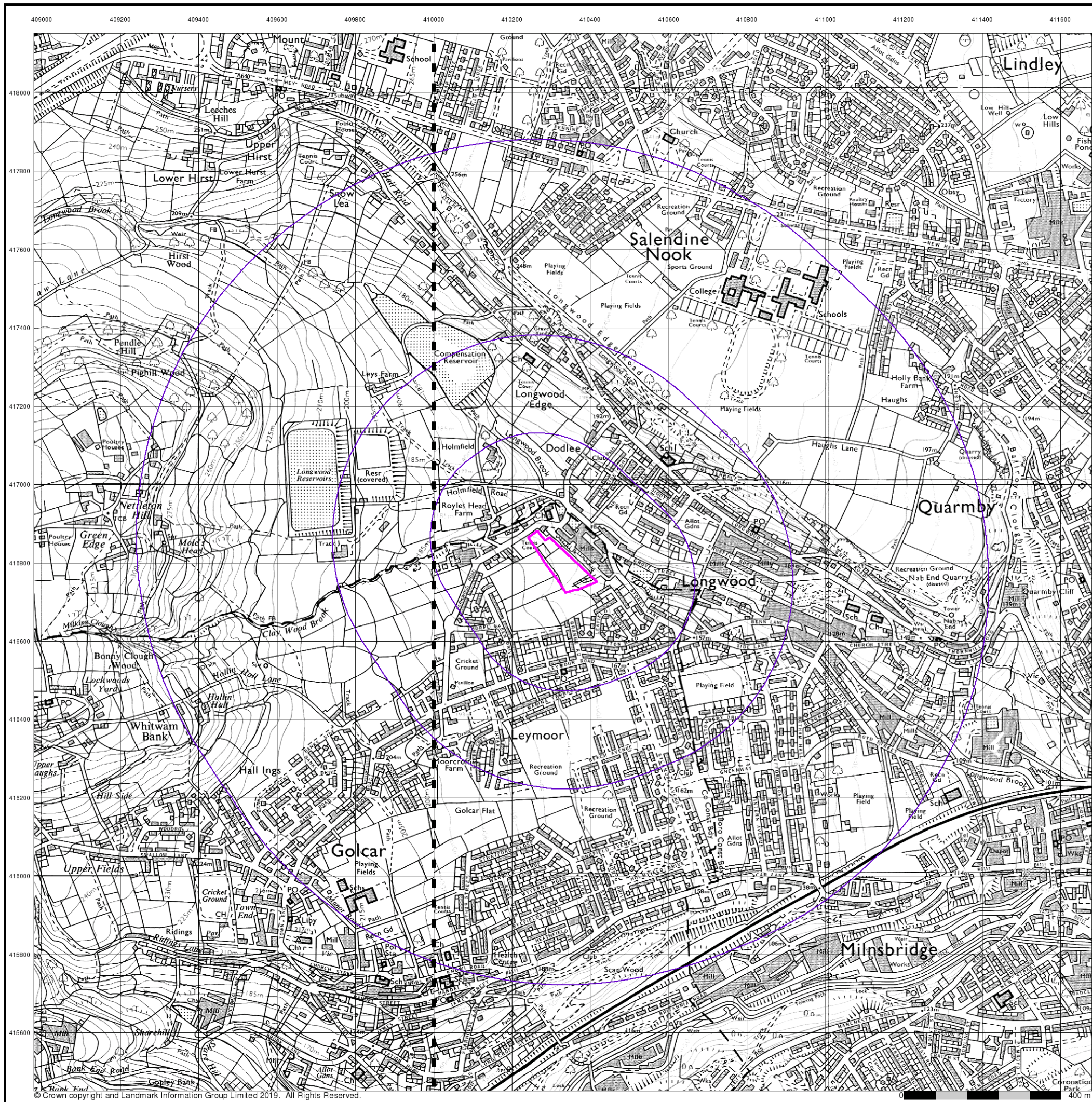


Order Details

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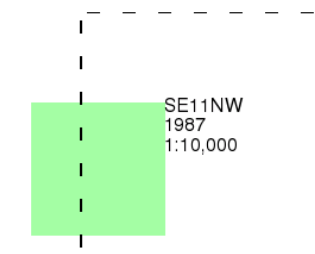
Ordnance Survey Plan

Published 1987

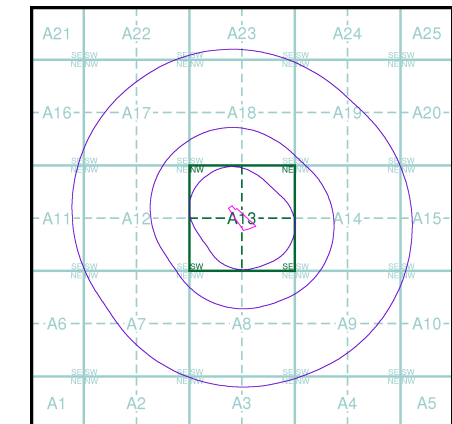
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Map Name(s) and Date(s)



Historical Map - Slice A

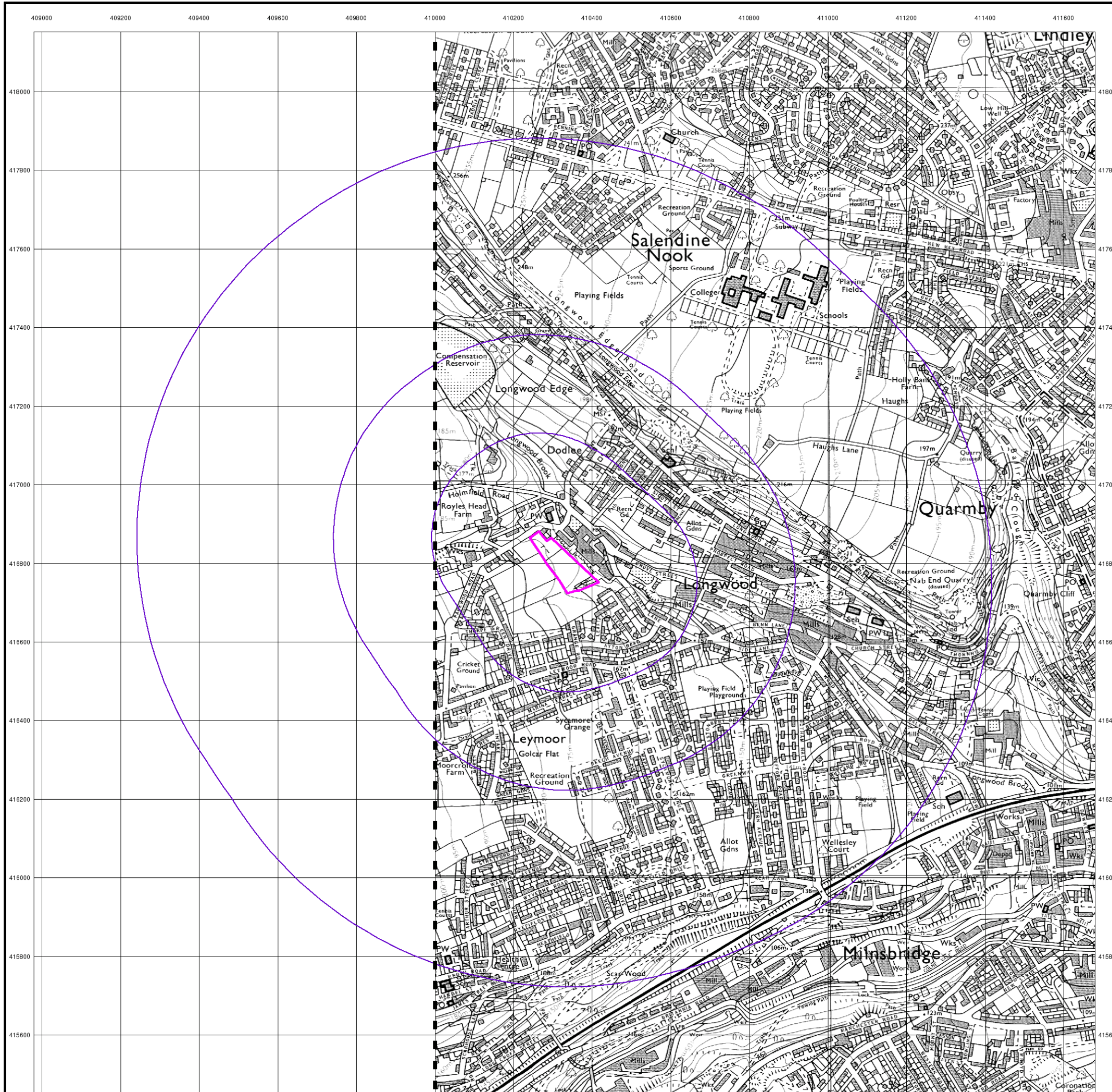


Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 1000

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



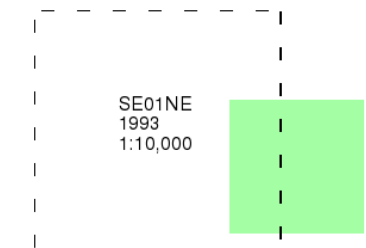
Ordnance Survey Plan

Published 1993

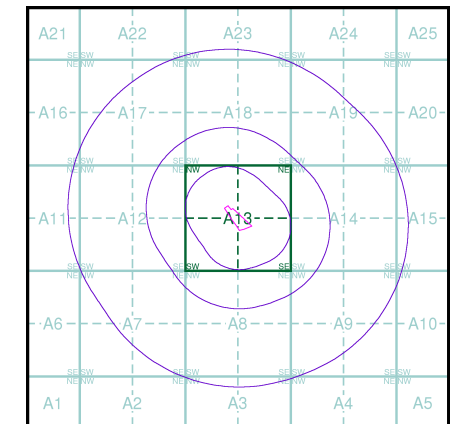
Source map scale - 1:10,000

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)



Historical Map - Slice A

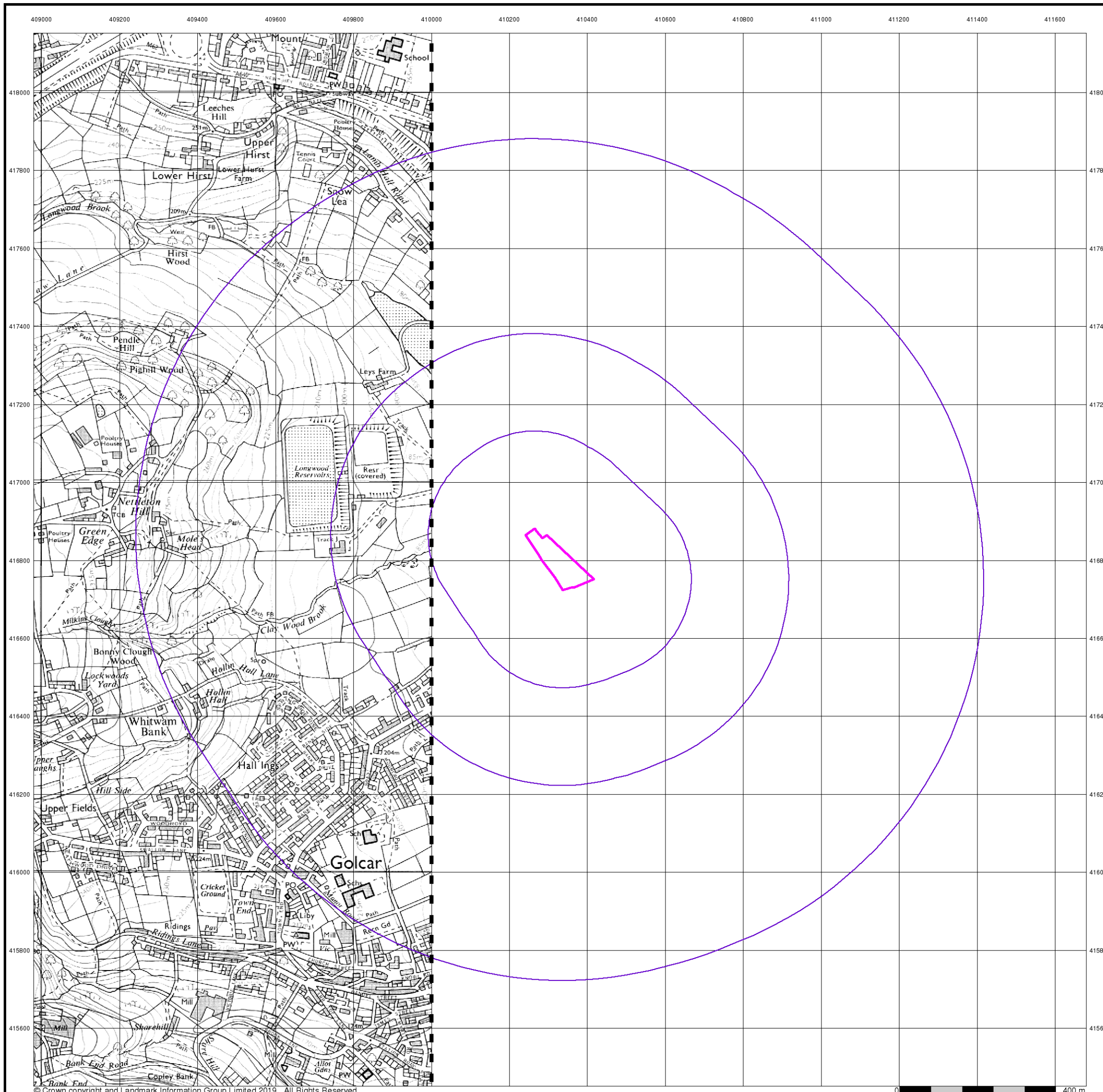


Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 1000

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT





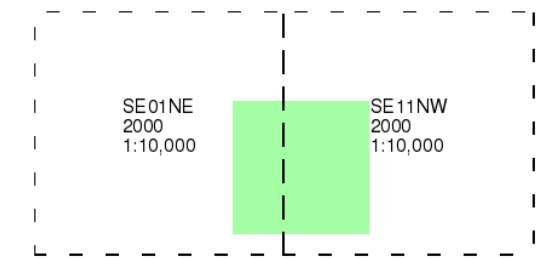
10k Raster Mapping

Published 2000

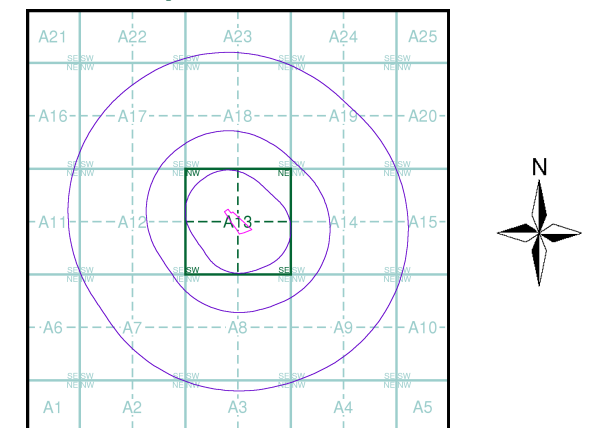
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

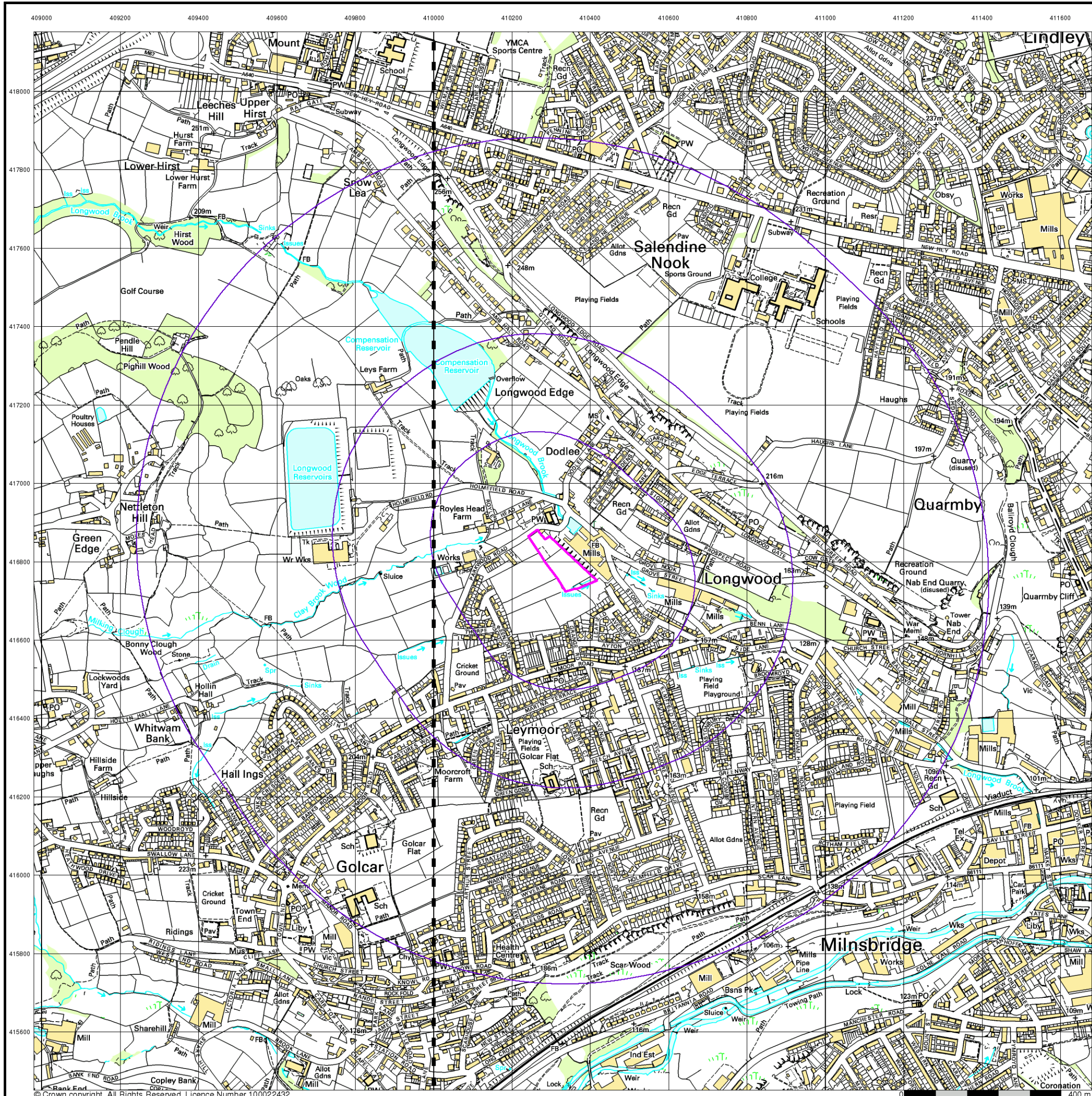
Order Number: 197080866_1_1
Customer Ref: S190321
National Grid Reference: 410330, 416800
Slice: A
Site Area (Ha): 1.04
Search Buffer (m): 1000

Site Details

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



Street View

Published 2019

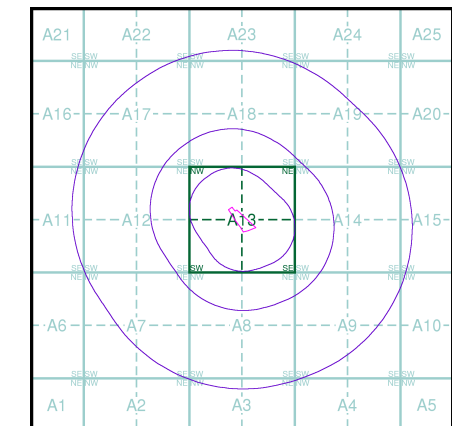
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A

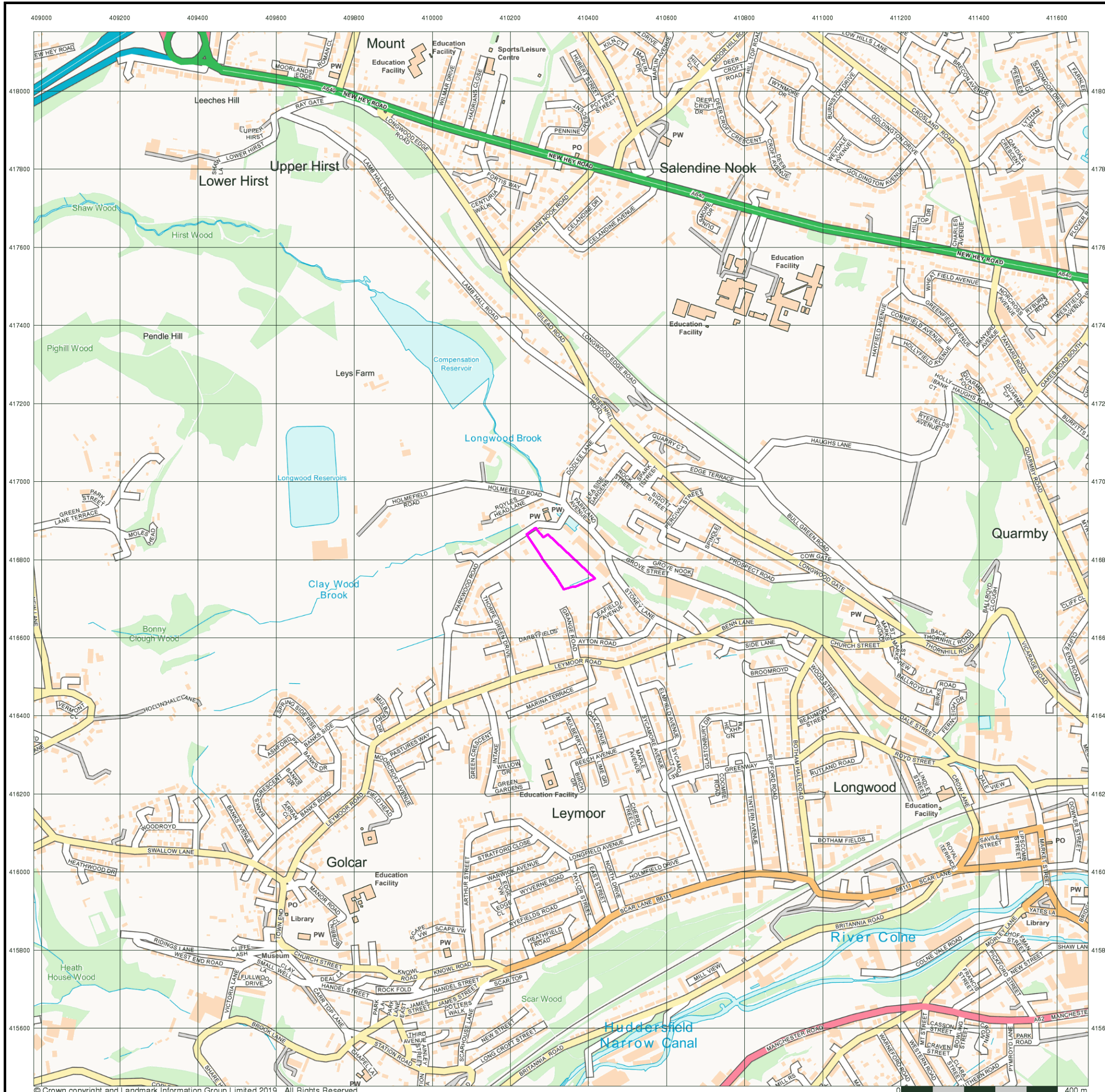


Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 1000

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **Sl** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250

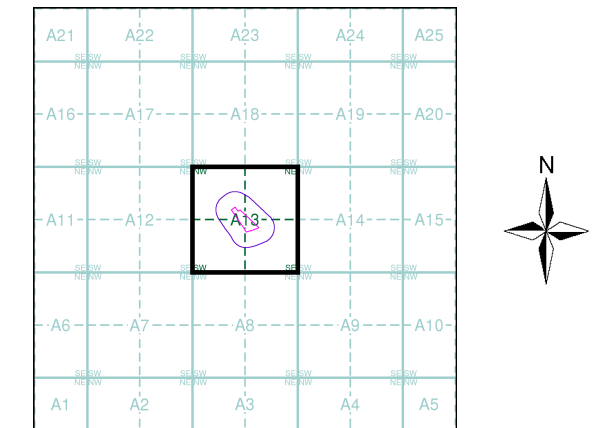
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1893	2
Yorkshire	1:2,500	1907	3
Yorkshire	1:2,500	1918 - 1919	4
Ordnance Survey Plan	1:1,250	1961	5
Ordnance Survey Plan	1:2,500	1962 - 1963	6
Ordnance Survey Plan	1:1,250	1966 - 1983	7
Ordnance Survey Plan	1:2,500	1975 - 1982	8
Ordnance Survey Plan	1:1,250	1977	9
Additional SIMs	1:2,500	1978	10
Additional SIMs	1:1,250	1978 - 1990	11
Additional SIMs	1:1,250	1990 - 1992	12
Large-Scale National Grid Data	1:2,500	1993	13
Large-Scale National Grid Data	1:1,250	1993	14
Large-Scale National Grid Data	1:1,250	1993 - 1994	15
Large-Scale National Grid Data	1:2,500	1995	16

Historical Map - Segment A13



Order Details

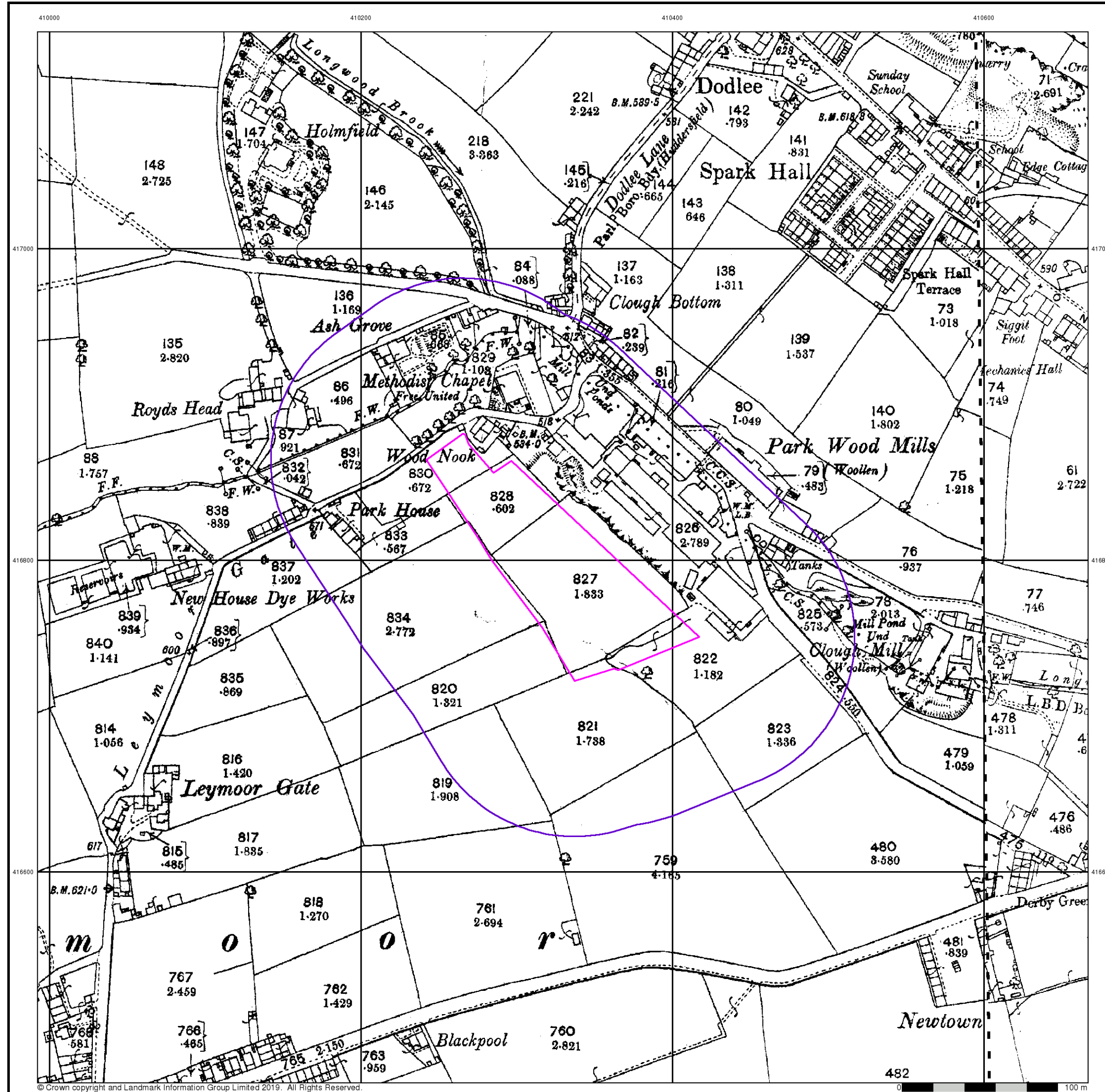
Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



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



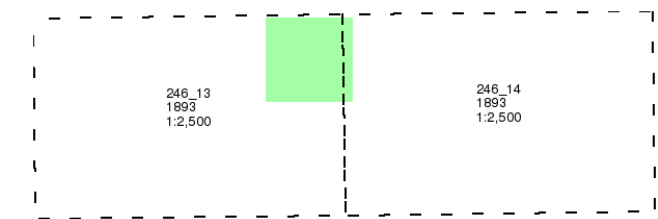
Yorkshire

Published 1893

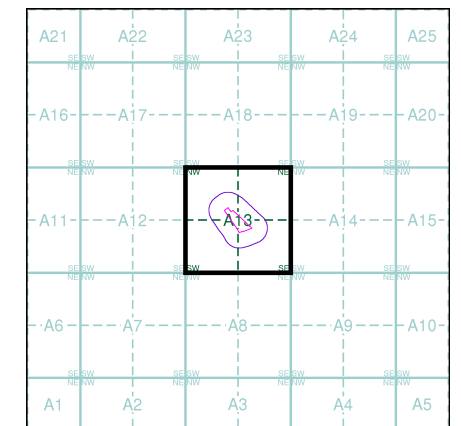
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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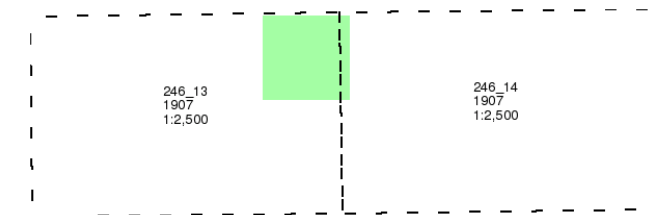
Yorkshire

Published 1907

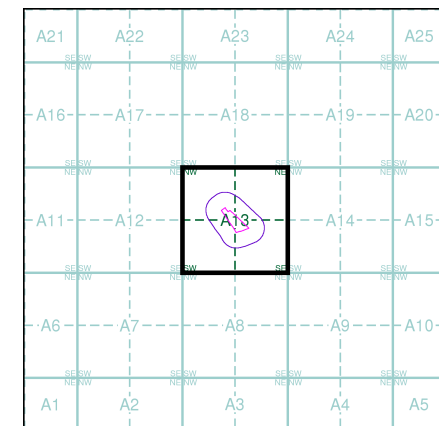
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13

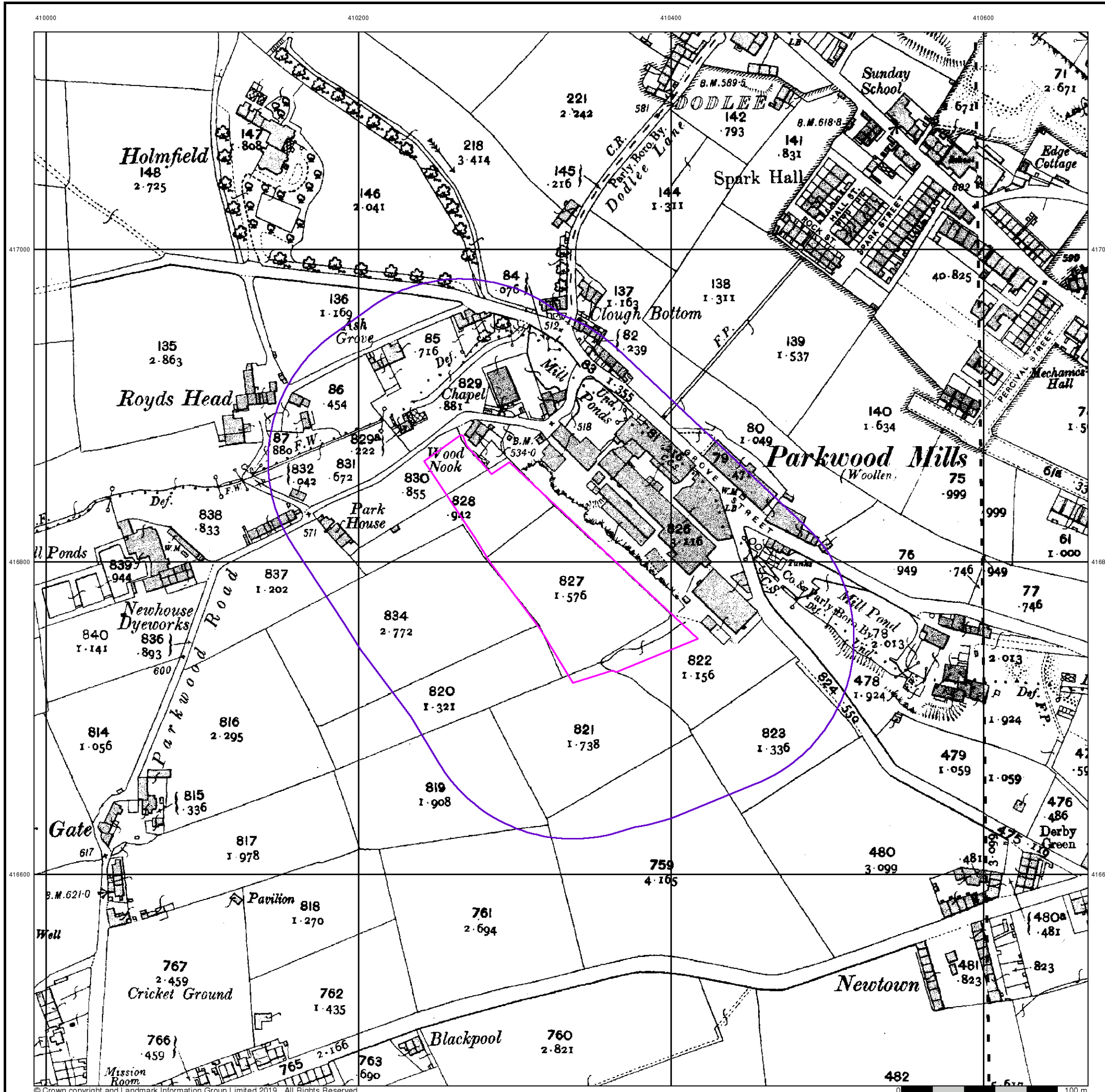


Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT





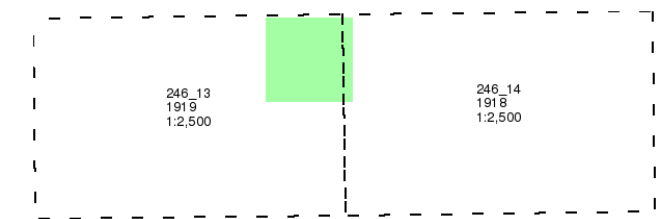
Yorkshire

Published 1918 - 1919

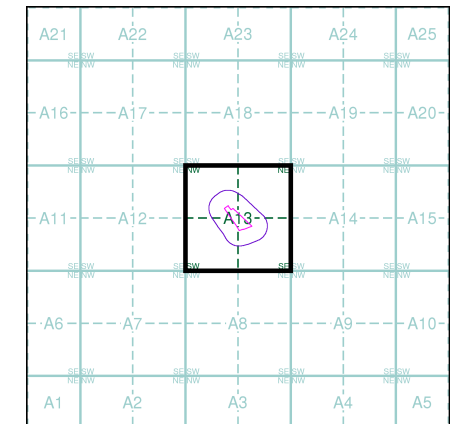
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

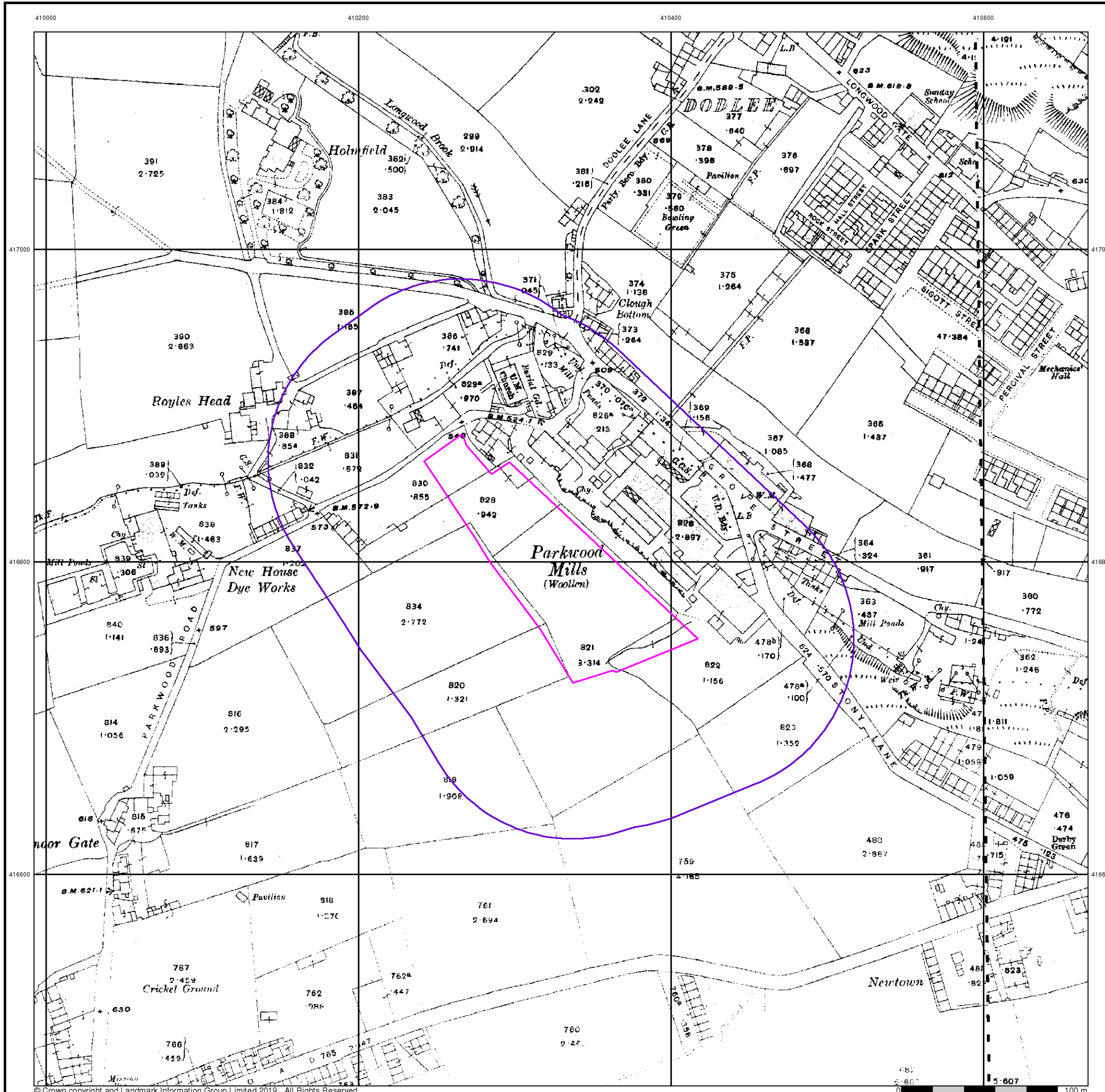
Order Number: 197080866_1_1
Customer Ref: S190321
National Grid Reference: 410330, 416800
Slice: A
Site Area (Ha): 1.04
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Ordnance Survey Plan

Published 1961

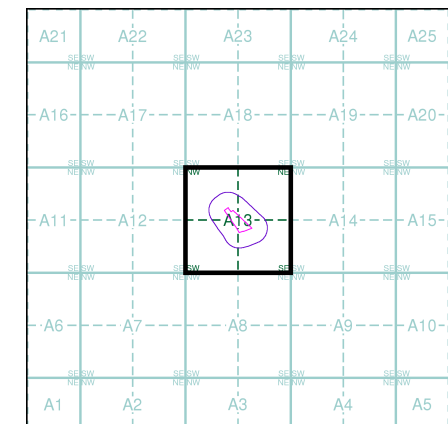
Source map scale - 1:1,250

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

SE 1017SW	SE 1017SE	1961	1961
:1,250	:1,250		
SE 1016SW	SE 1016SE	1961	1961
:1,250	:1,250		
SE 0916SE	SE 1016SW	1961	1961
:1,250	:1,250		:1,250

Historical Map - Segment A13

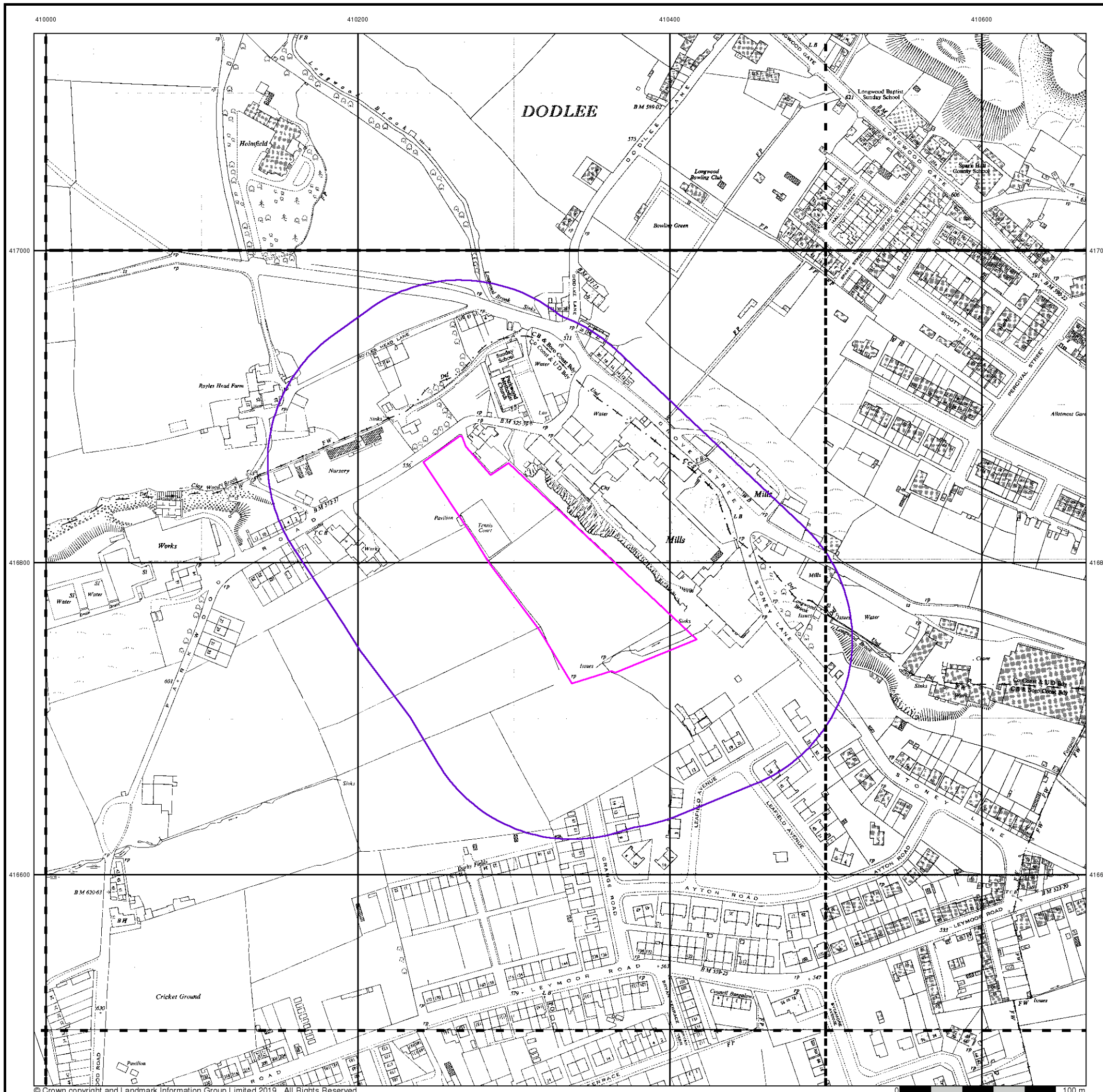


Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



Ordnance Survey Plan

Published 1962 - 1963

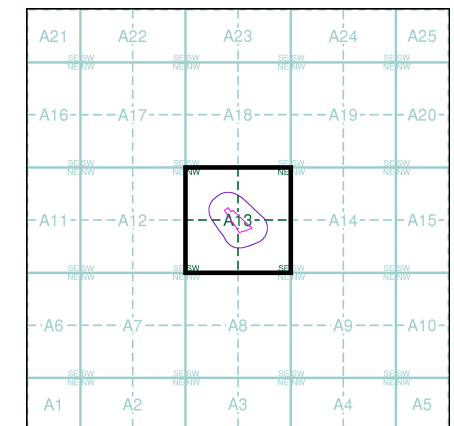
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

SE0917 1963 1:2,500	SE1017 1962 1:2,500
SE0916 1963 1:2,500	SE1016 1962 1:2,500

Historical Map - Segment A13

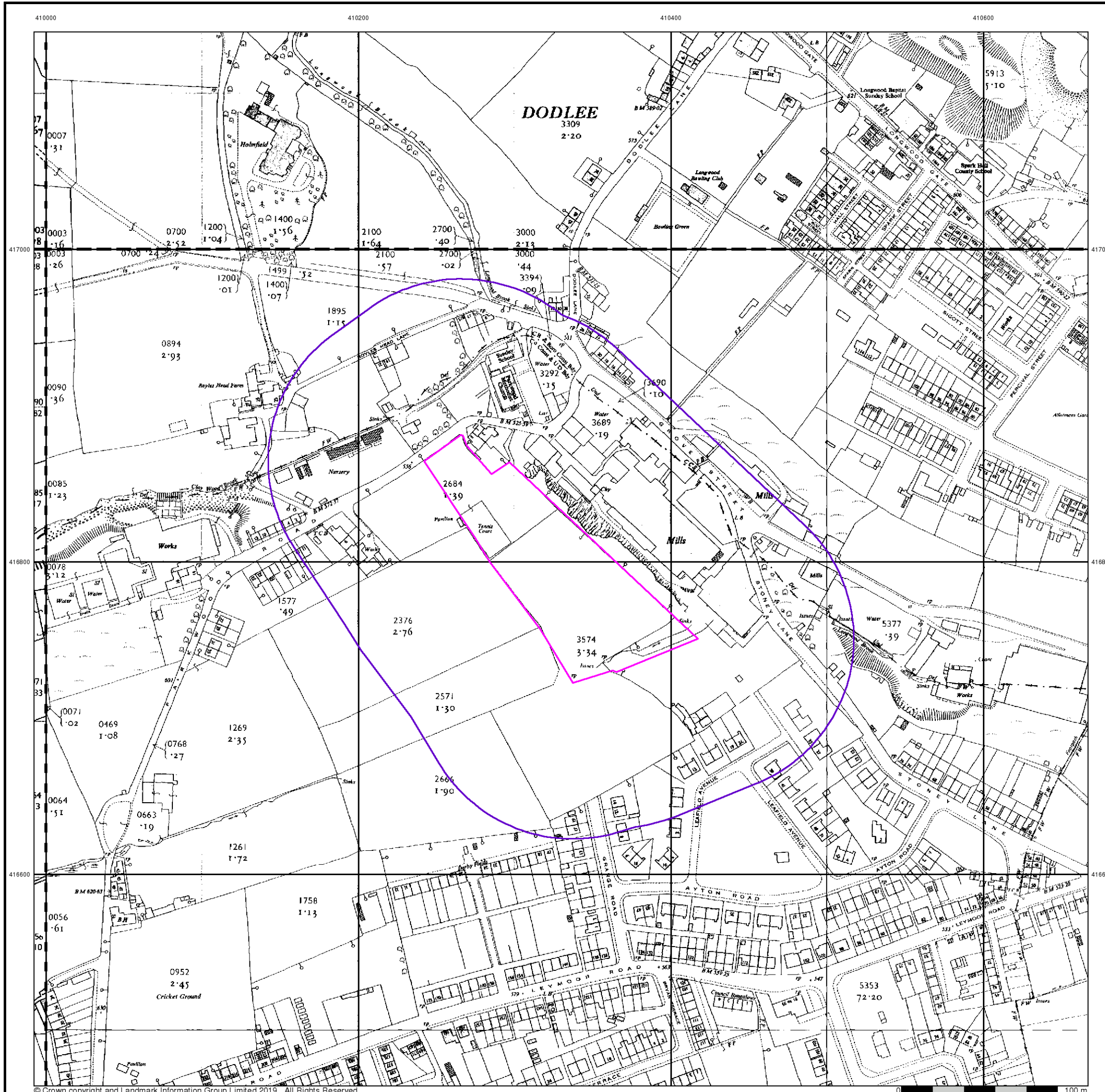


Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



Ordnance Survey Plan

Published 1966 - 1983

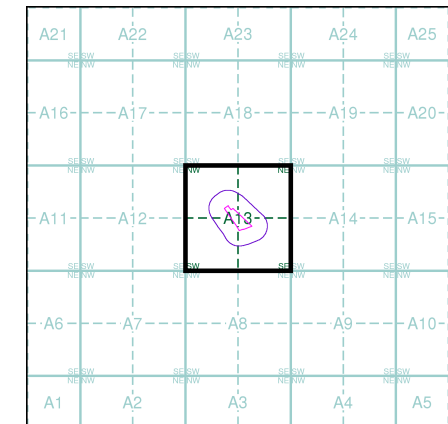
Source map scale - 1:1,250

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

SE 1017SW	1983	1:1,250
SE 1016NW	1966	1:1,250
SE 1016NE	1977	1:1,250
SE 0916SE	1978	1:1,250
SE 1016SW	1969	1:1,250
SE 1016SE	1970	1:1,250

Historical Map - Segment A13

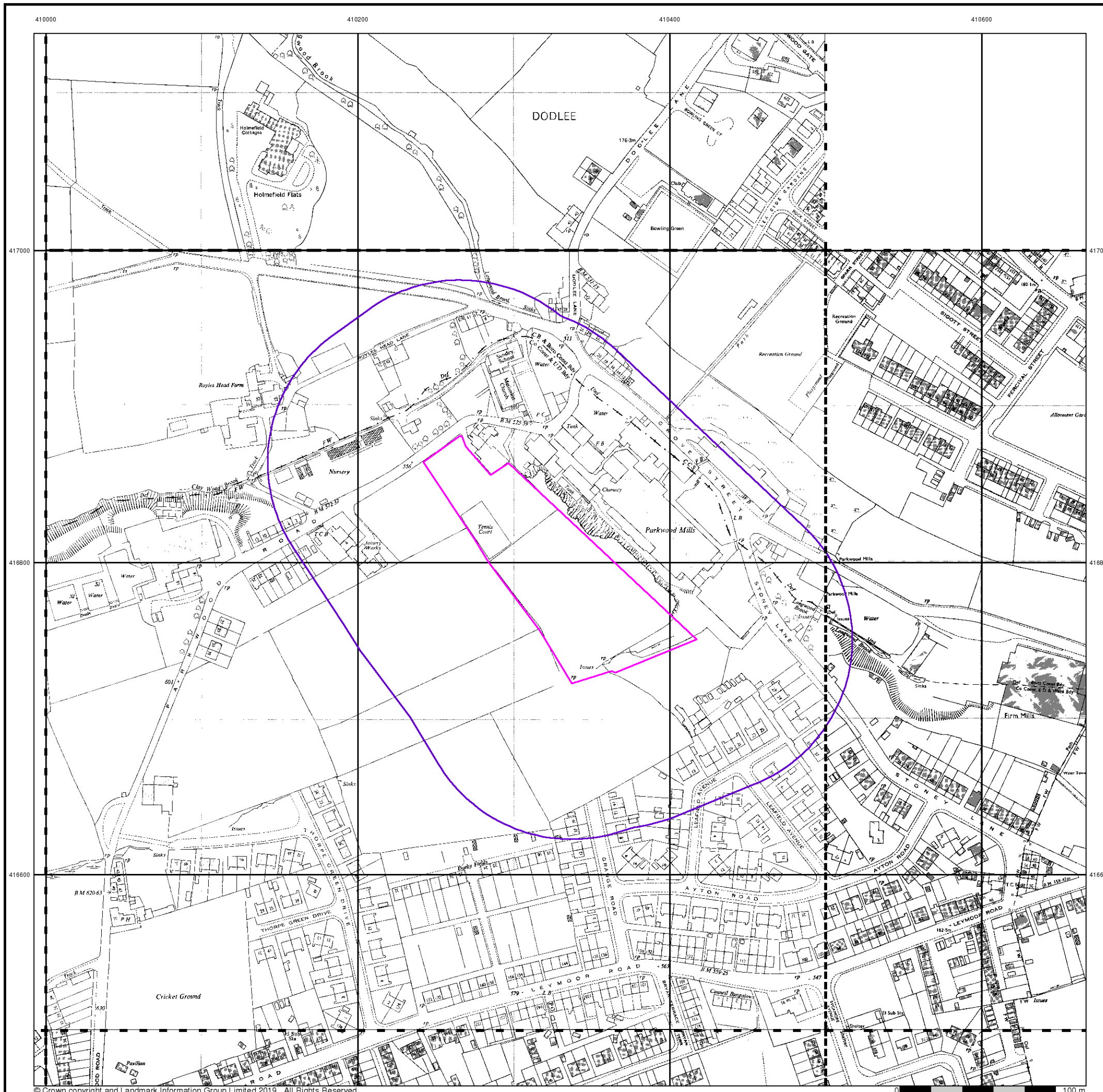


Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT





Ordnance Survey Plan

Published 1975 - 1982

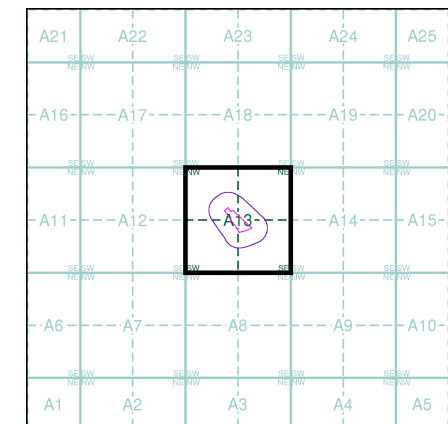
Source map scale - 1:2,500

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)

SE0917	1975	12,500
SE0916	1982	12,500

Historical Map - Segment A13



Order Details

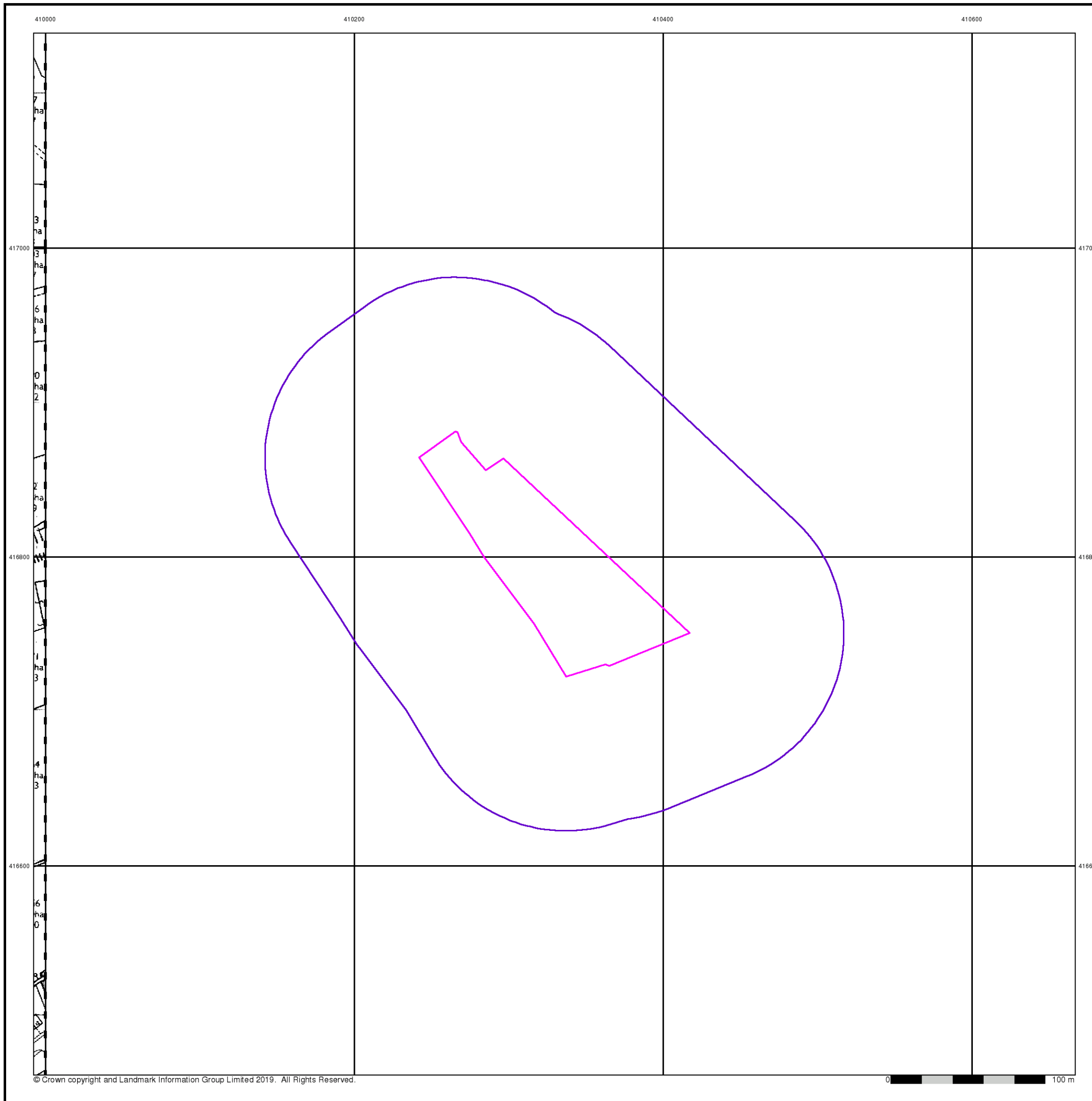
Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 100

Site Details

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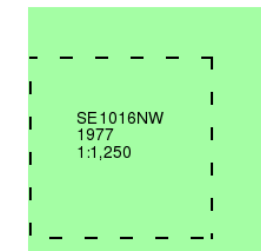
Ordnance Survey Plan

Published 1977

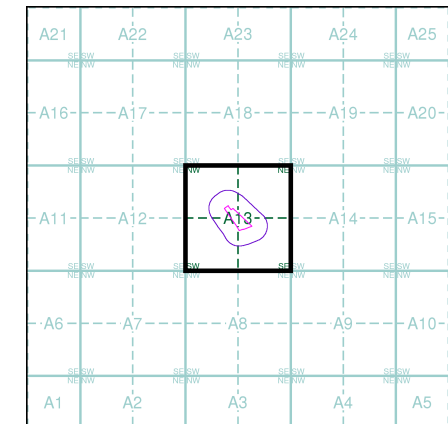
Source map scale - 1:1,250

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 and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below 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.

Map Name(s) and Date(s)



Historical Map - Segment A13

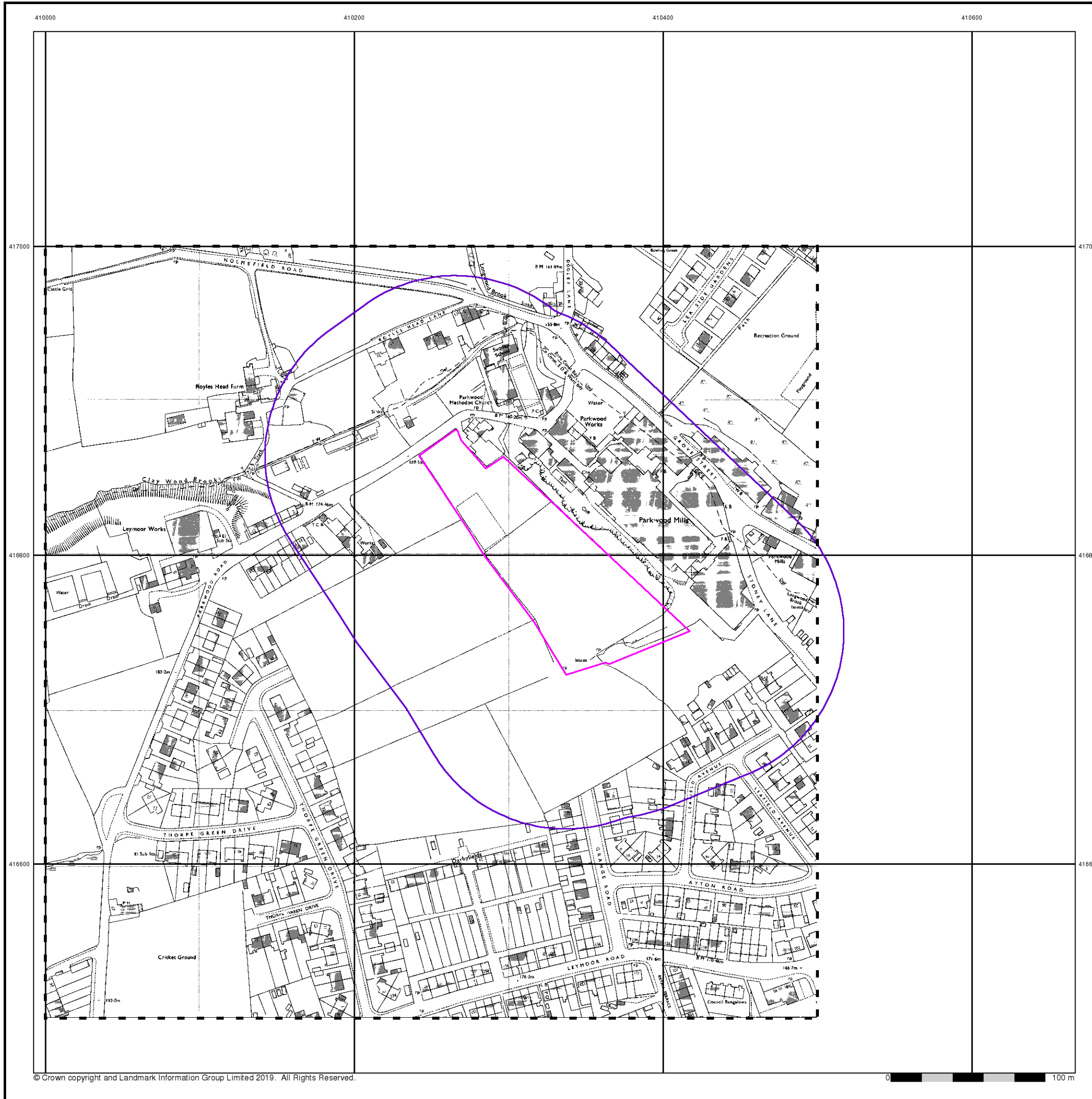


Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



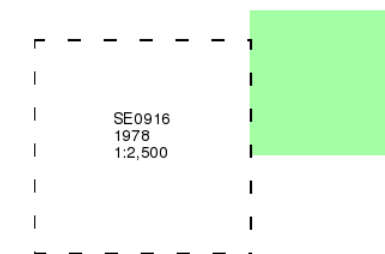
Additional SIMs

Published 1978

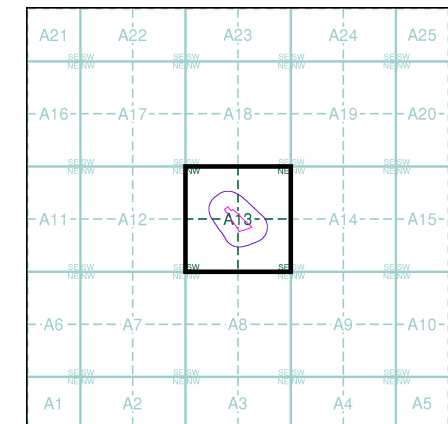
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

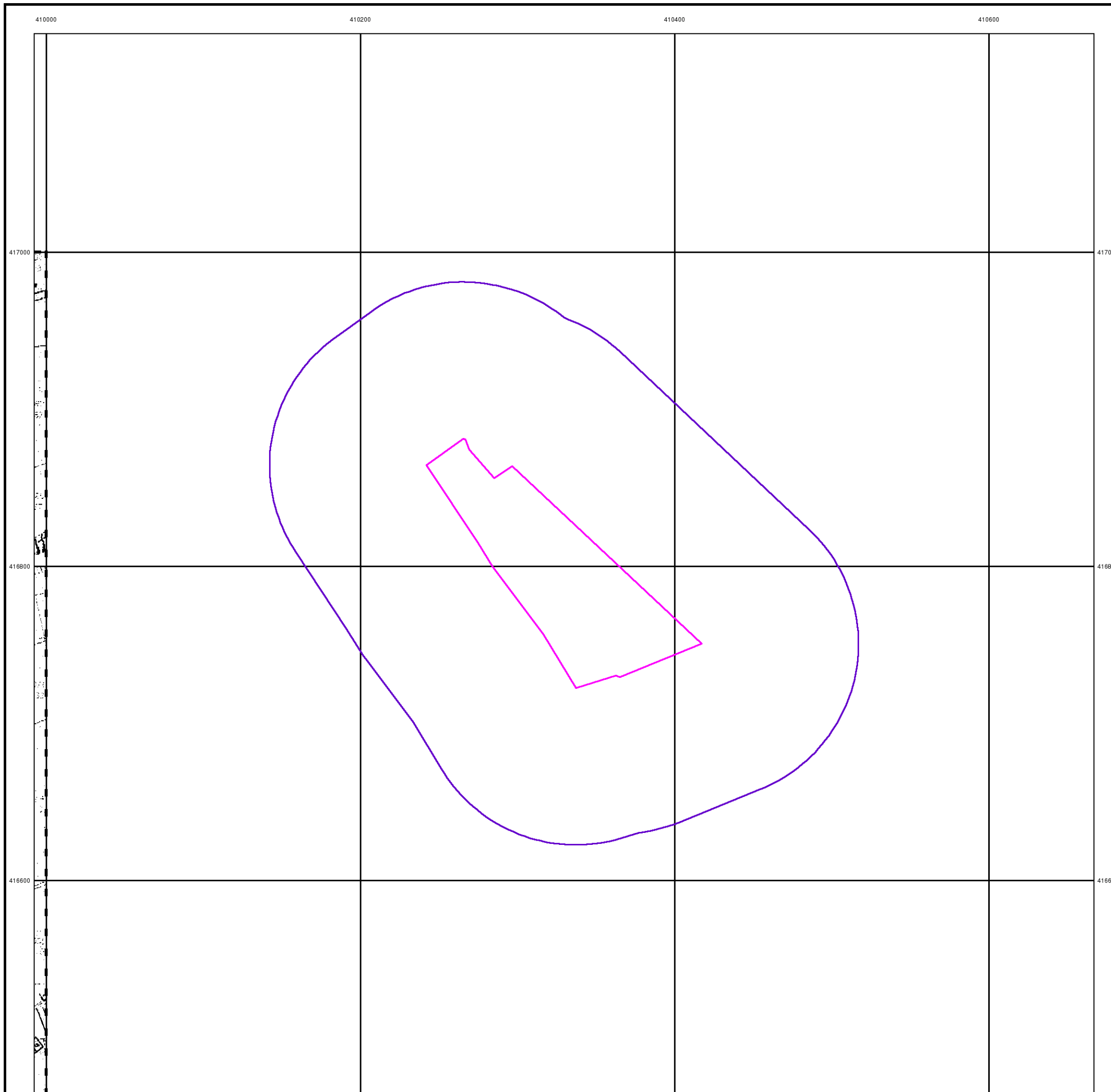


Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT





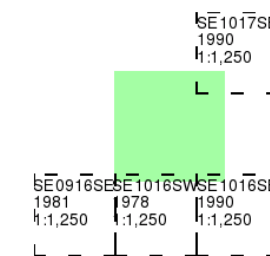
Additional SIMs

Published 1978 - 1990

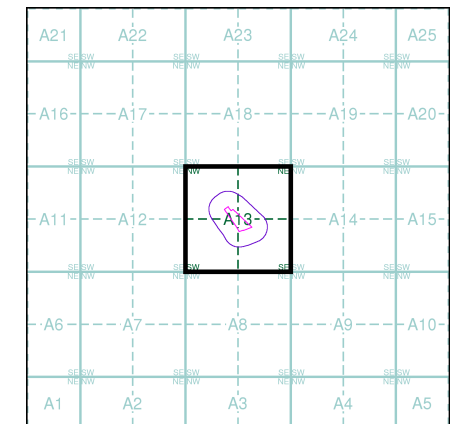
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

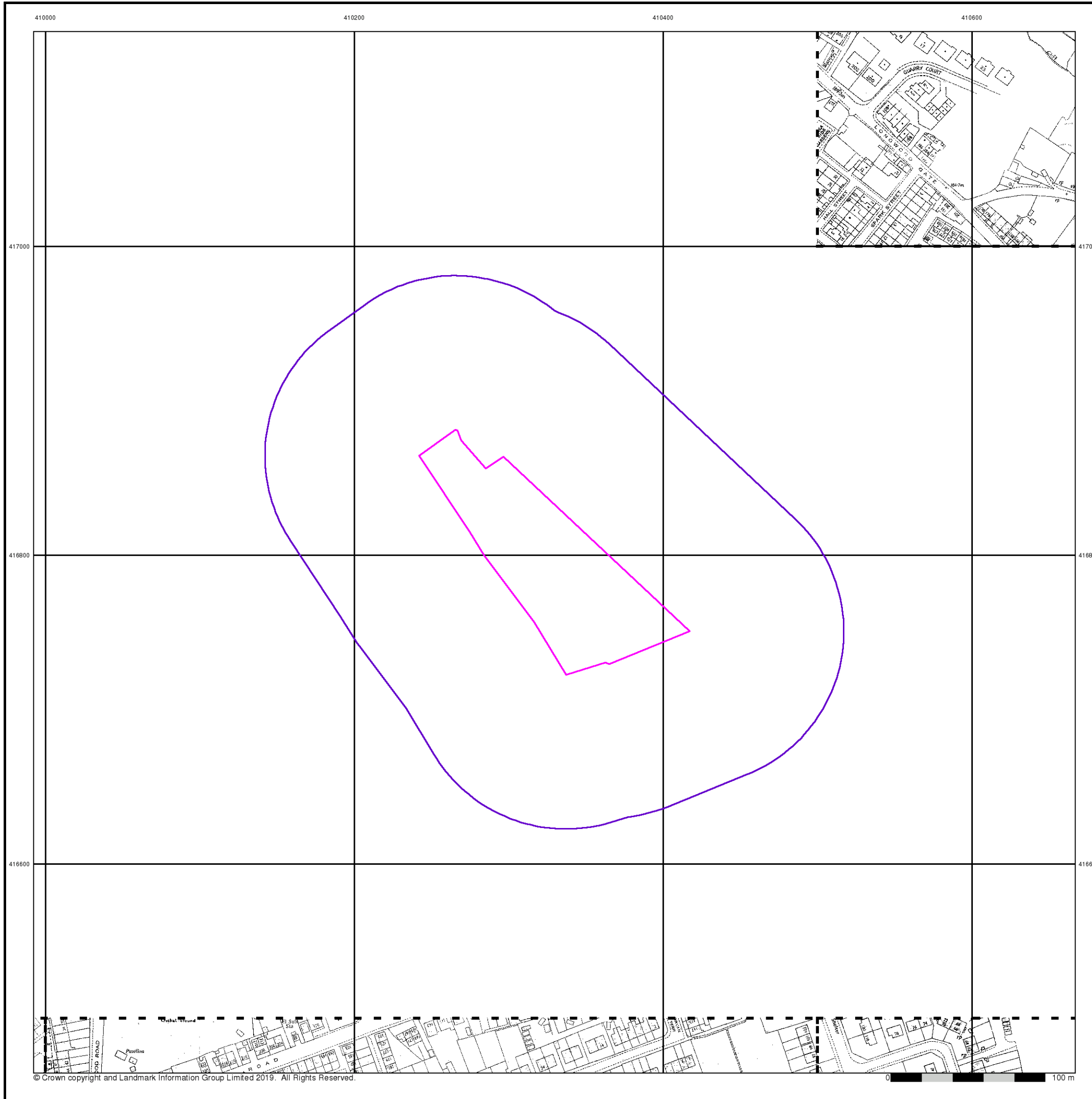
Order Number: 197080866_1_1
Customer Ref: S190321
National Grid Reference: 410330, 416800
Slice: A
Site Area (Ha): 1.04
Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



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



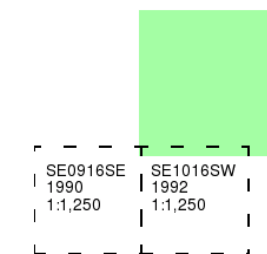
Additional SIMs

Published 1990 - 1992

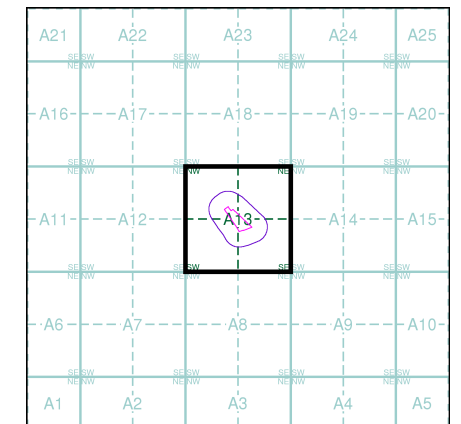
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

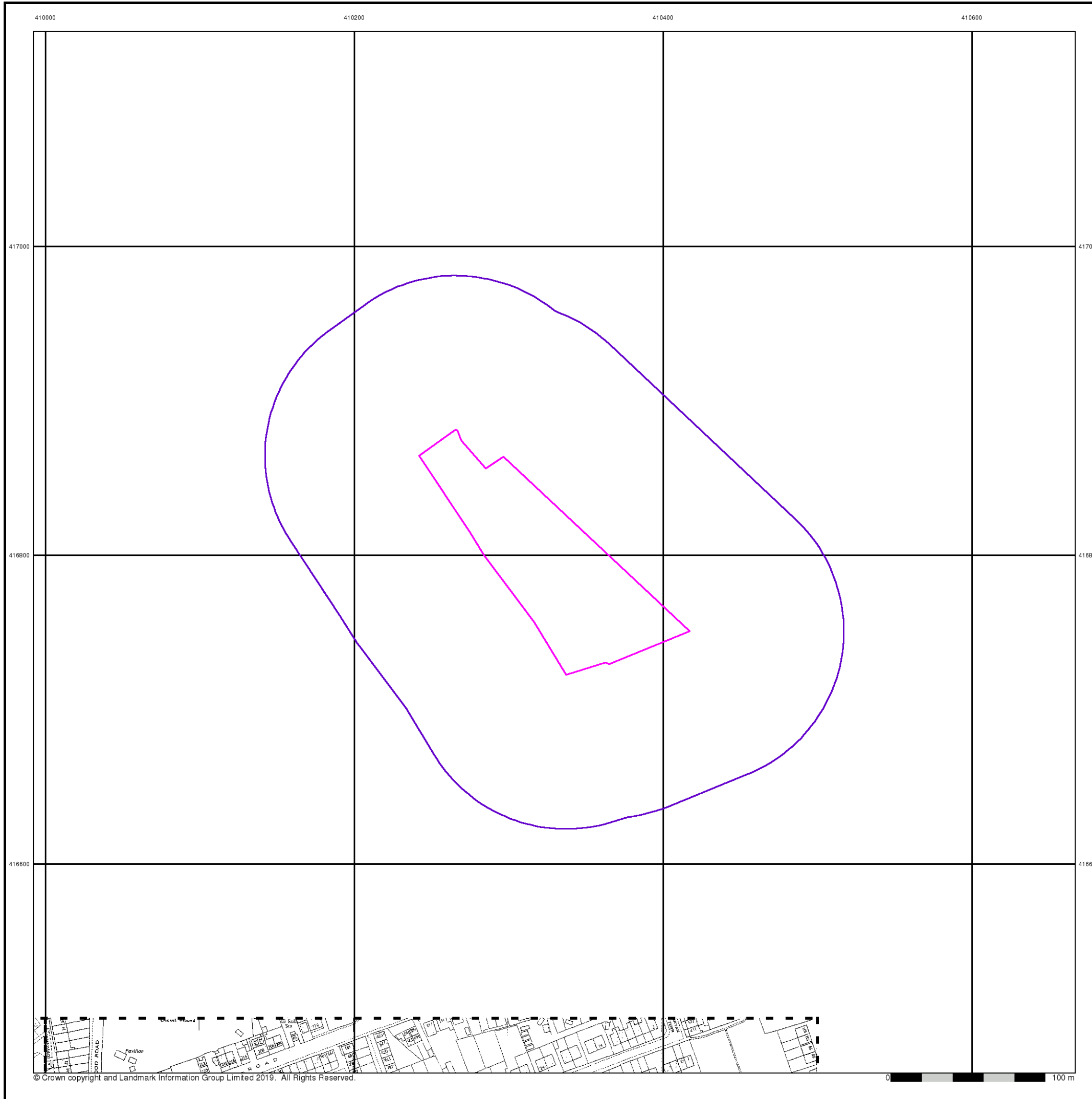


Order Details

Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT





Large-Scale National Grid Data

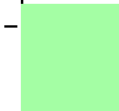
Published 1993

Source map scale - 1:2,500

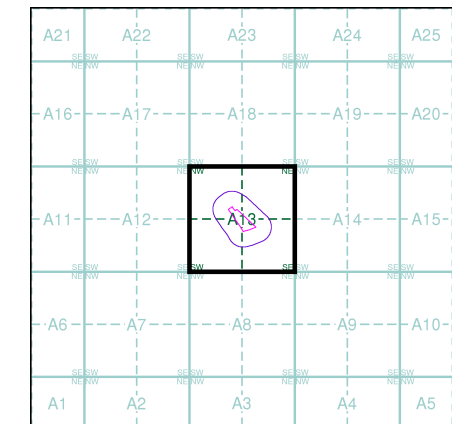
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SE0917
1993
1:2,500



Historical Map - Segment A13



Order Details

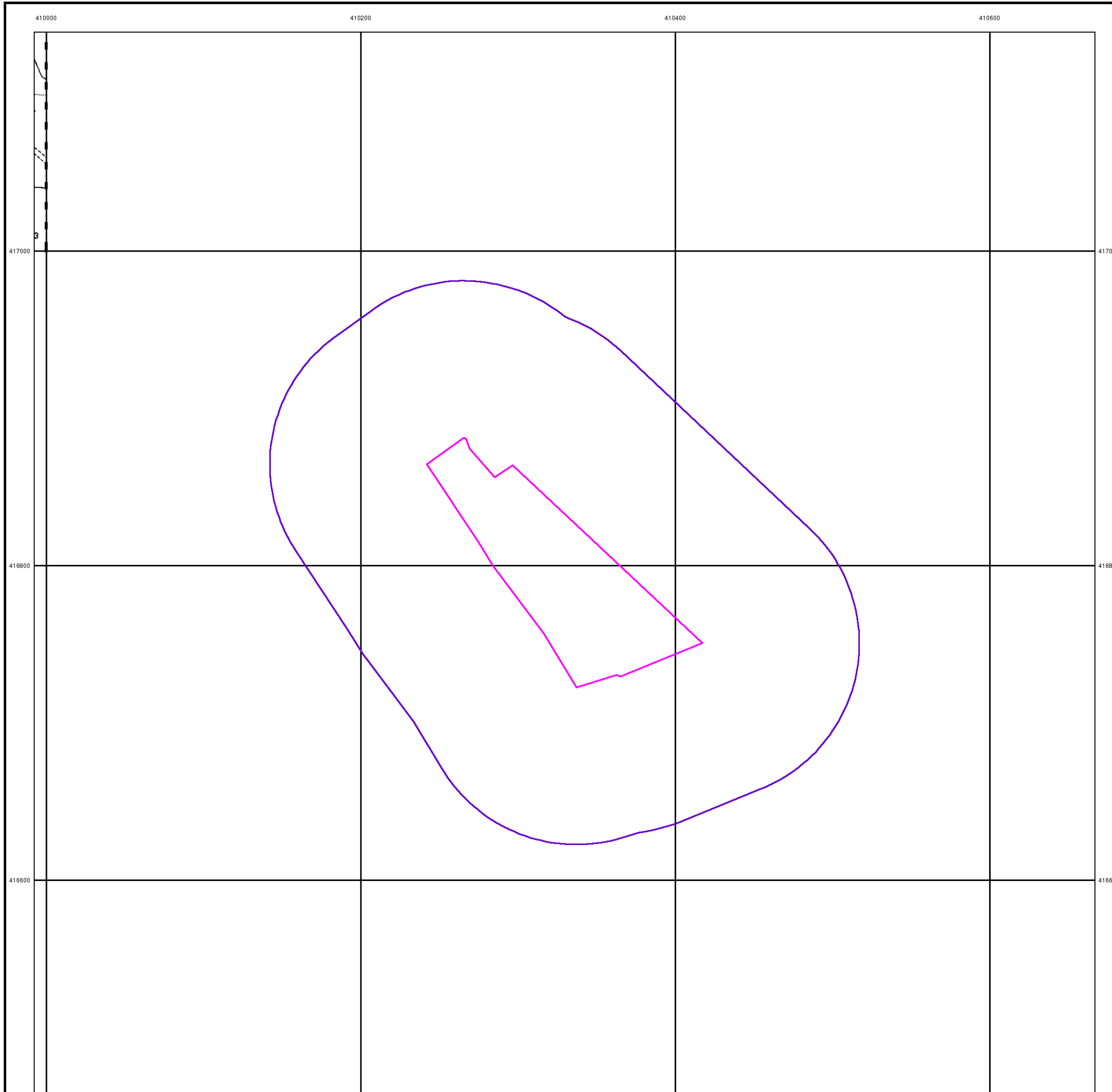
Order Number: 197080866_1_1
Customer Ref: S190321
National Grid Reference: 410330, 416800
Slice: A
Site Area (Ha): 1.04
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1993

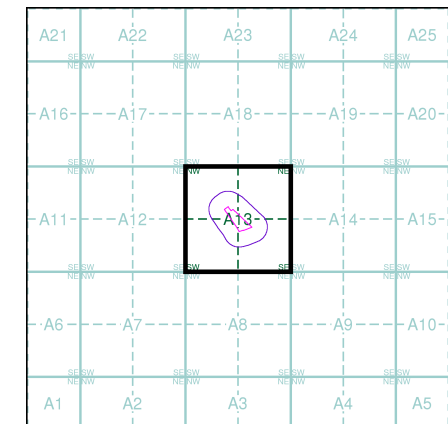
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SE1017SW	SE1017SE	
1993	1993	
1:1,250	1:1,250	
SE0916NE	SE1016NW	SE1016NE
1993	1993	1993
1:1,250	1:1,250	1:1,250
SE0916SE	SE1016SW	SE1016SE
1993	1993	1993
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13



Order Details

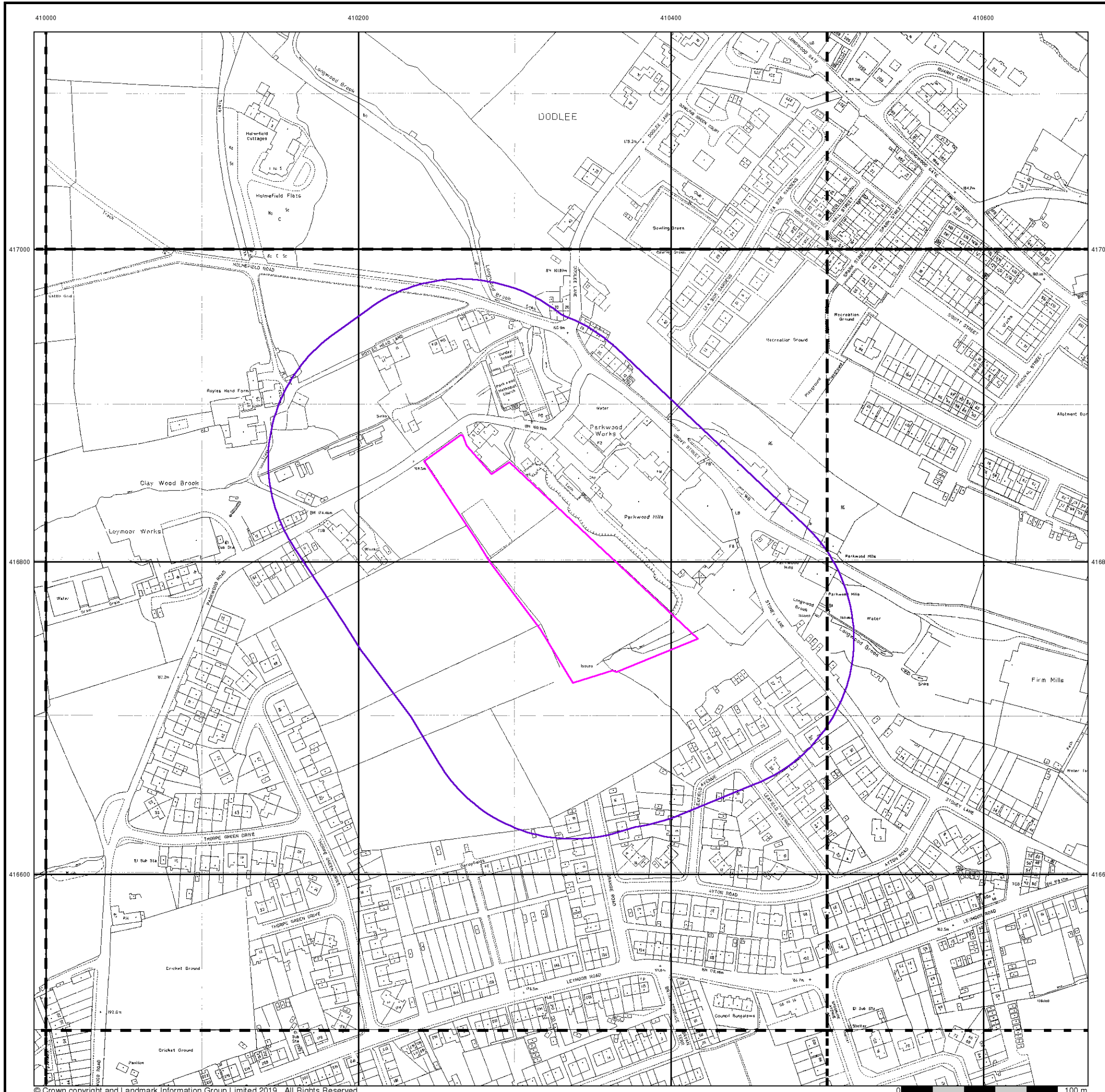
Order Number: 197080866_1_1
 Customer Ref: S190321
 National Grid Reference: 410330, 416800
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 100

Site Details

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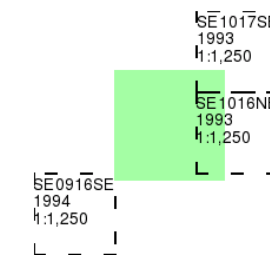
Large-Scale National Grid Data

Published 1993 - 1994

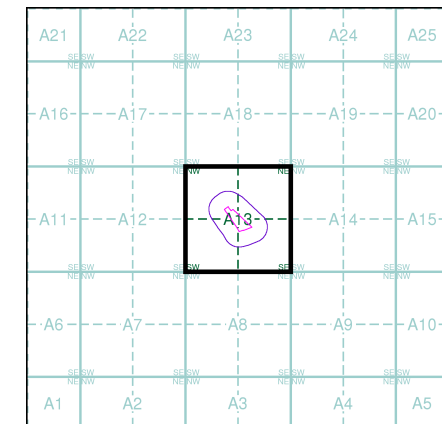
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

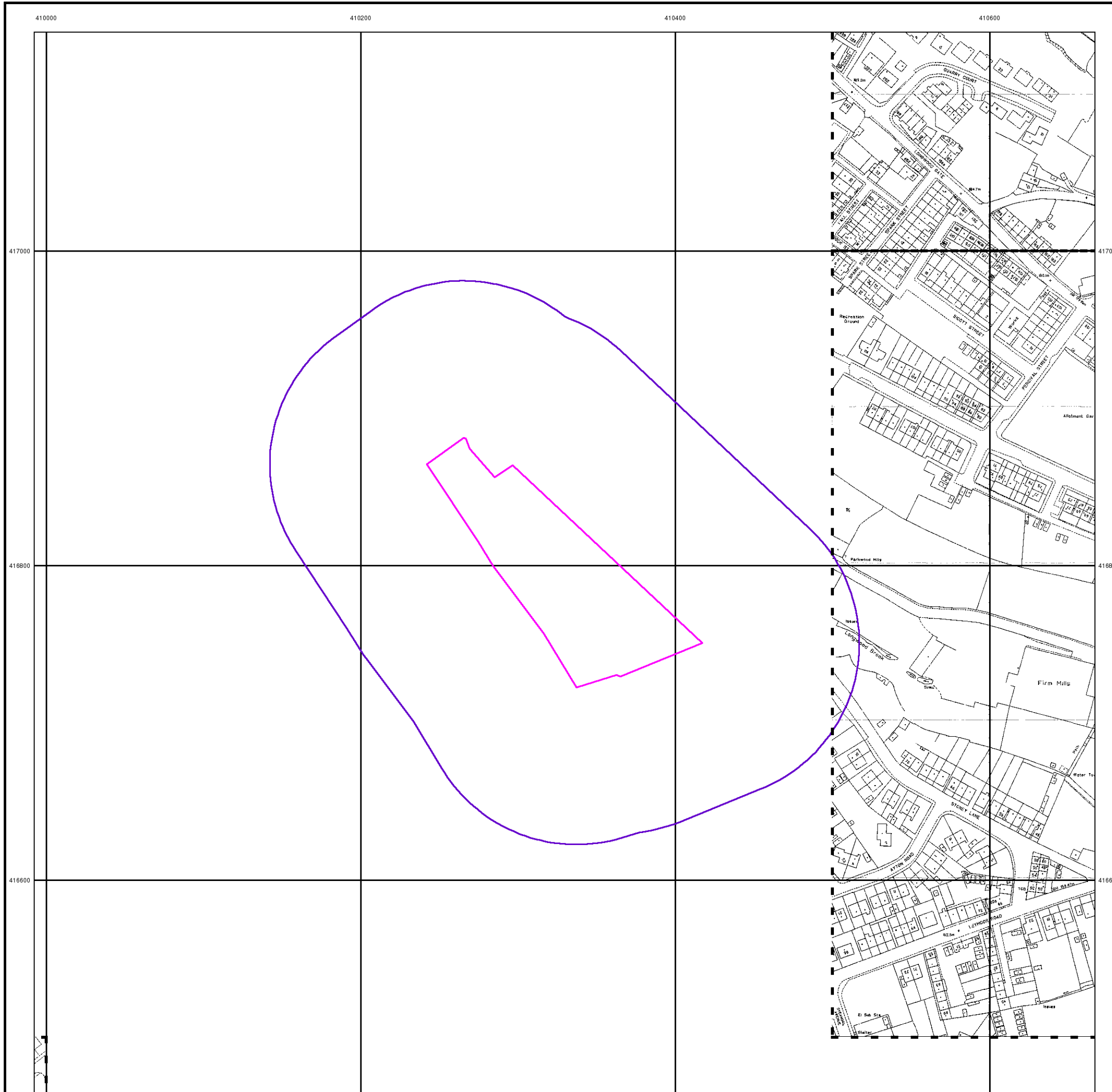
Order Number: 197080866_1_1
Customer Ref: S190321
National Grid Reference: 410330, 416800
Slice: A
Site Area (Ha): 1.04
Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



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Large-Scale National Grid Data

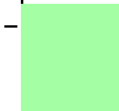
Published 1995

Source map scale - 1:2,500

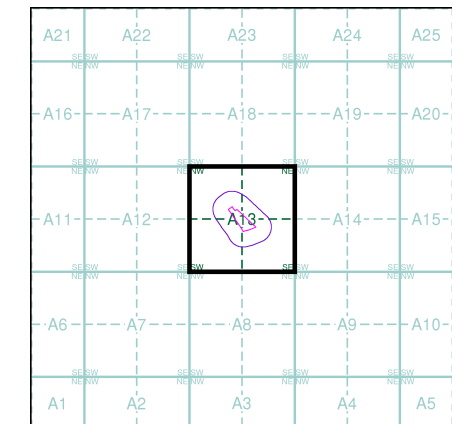
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SE0917
1995
1:2,500



Historical Map - Segment A13



Order Details

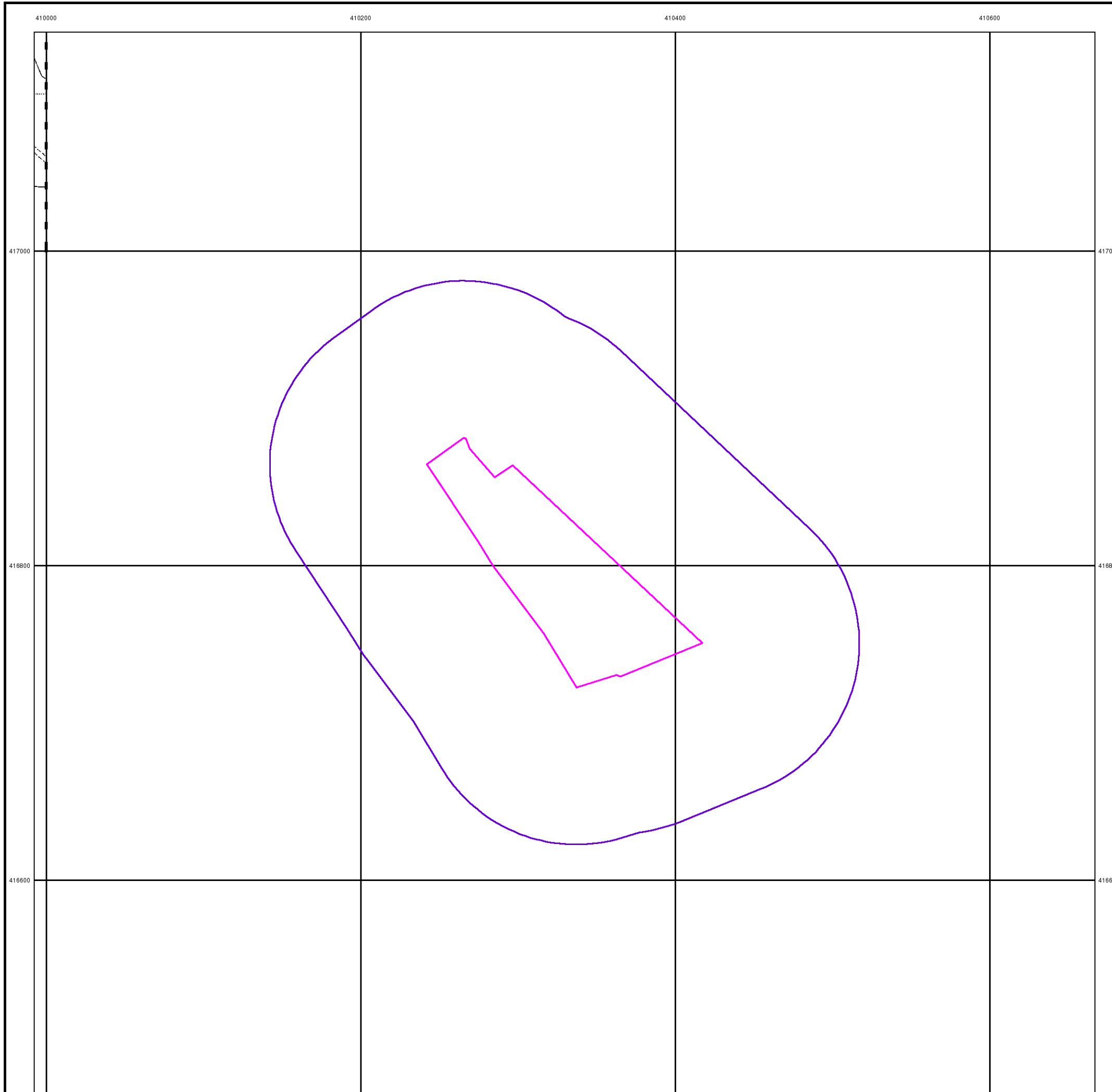
Order Number: 197080866_1_1
Customer Ref: S190321
National Grid Reference: 410330, 416800
Slice: A
Site Area (Ha): 1.04
Search Buffer (m): 100

Site Details

6, Parkwood Road, HUDDERSFIELD, HD3 4TT



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Appendix C

Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

197080866_1_1

Customer Reference:

S190321

National Grid Reference:

410330, 416800

Slice:

A

Site Area (Ha):

1.04

Search Buffer (m):

1000

Site Details:

6, Parkwood Road

HUDDERSFIELD

HD3 4TT

Client Details:

Solmek Ltd

12 Yarm Road

Stockton on Tees

Cleveland

TS18 3NA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	30
Hazardous Substances	-
Geological	32
Industrial Land Use	36
Sensitive Land Use	42
Data Currency	43
Data Suppliers	47
Useful Contacts	48

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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		4	6	13
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
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	pg 7		2		2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8	Yes			
Pollution Incidents to Controlled Waters	pg 8	3	3	2	5
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 10		2		
River Quality Biology Sampling Points	pg 11			2	
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 11		1		
Water Abstractions	pg 11		5	2	3 (*33)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 22	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 22	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 22		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 22		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 23	3	19	16	18

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 30		2	1	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 30	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 30		3	1	
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 32	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 32			1	9
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities	pg 34				2
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 34	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 34	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 34	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 34		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 35	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 36		8	1	50
Fuel Station Entries	pg 41				2
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 42		1		
Areas of Unadopted Green Belt	pg 42		1		
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					
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	A13SW (S)	0	1	410325 416800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	0	1	410250 416850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	19	1	410325 416900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	25	1	410250 416900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	25	1	410400 416800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	27	1	410350 416850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	61	1	410400 416850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	170	1	410250 417050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	229	1	410200 417100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	233	1	410650 416800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	243	1	410000 416850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	243	1	410000 416800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	251	1	410000 416800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	283	1	410700 416750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	316	1	410100 417150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	373	1	410325 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	378	1	410600 417100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	385	1	410050 417200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	390	1	409950 416600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	467	1	410000 416400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	483	1	410900 416750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	486	1	410900 416700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Parkwood Mills Co Ltd Property Type: Undefined Or Other Location: Parkwood Mills Co Ltd,Longwood,Boil, Er Blowdown Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E107 Permit Version: 2 Effective Date: 22nd January 1996 Issued Date: 22nd January 1996 Revocation Date: 20th August 2003 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Longwood Beck Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A13SE (E)	25	2	410400 416800
1	<p>Discharge Consents</p> <p>Operator: Parkwood Mills Co Ltd Property Type: Undefined Or Other Location: Parkwood Mills Co Ltd,Longwood,Boil, Er Blowdown Authority: Environment Agency, North East Region Catchment Area: Calder Reference: E107 Permit Version: 1 Effective Date: 10th June 1968 Issued Date: 10th June 1968 Revocation Date: 21st January 1996 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Longwood Beck Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m</p>	A13SE (E)	25	2	410400 416800
2	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Water Treatment Works Location: Longwood Wtw, Longwood, HUDDERSFIELD, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Aire And Calder Navigation Reference: WA6298 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm /emergency overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Longwood Brook Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13NW (N)	121	2	410305 416995
2	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY Location: Longwood Wtw Longwood Edge, Longwood, Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wa6298 Permit Version: 1 Effective Date: 24th January 1991 Issued Date: 24th January 1991 Revocation Date: 24th March 2004 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Longwood Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A13NW (N)	124	2	410300 417000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 3 Effective Date: 25th January 1995 Issued Date: 25th January 1995 Revocation Date: 5th March 1995 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Revised by Notice, at direction of Secretary of State (Section 37(2)) Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	321	2	410700 416600
3	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Darnall Road Cso, Darnall Road, Sheffield, S9 5ah Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 4 Effective Date: 6th March 1995 Issued Date: 25th January 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Revised by Notice, at direction of Secretary of State (Section 37(2)) Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	321	2	410700 416600
3	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 2 Effective Date: 2nd July 1993 Issued Date: 2nd July 1993 Revocation Date: 24th January 1995 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Revised by Notice, at direction of Secretary of State (Section 37(2)) Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	321	2	410700 416600
3	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 1 Effective Date: 27th May 1963 Issued Date: 27th May 1963 Revocation Date: 1st July 1993 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	321	2	410700 416600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: General Manager Property Type: Not Given Location: Grove Street, Longwood, KIRKLEES, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Aire And Calder Navigation Reference: C4757 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Longwood Brook Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	433	2	410850 416750
5	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Leymoor Road Cso Leymoor Road (Opp No 18), Longwood, Huddersfield, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra8587 Permit Version: 1 Effective Date: 18th March 2005 Issued Date: 18th March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Longwood 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</p>	A14SW (E)	457	2	410860 416640
6	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Reservoir/Borehole Site Location: Scapegoat Hill Service Reservoir , HUDDERSFIELD, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Aire And Calder Navigation Reference: WA6300 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm /emergency overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Longwood Brook Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A12NE (W)	553	2	409705 416995
6	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY Location: Yorkshire Water Services Ltd Scapeg, Oat Hill Service Reservoir (Con, 6300) Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wa6300 Permit Version: 1 Effective Date: 24th January 1991 Issued Date: 24th January 1991 Revocation Date: 24th March 2004 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Long Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A12NE (W)	559	2	409700 417000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dale Street, Longwood Cso Dale Street (Springfield Mill), Longwood, Huddersfield, West Yorkshire</p> <p>Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra8632 Permit Version: 2 Effective Date: 10th March 2010 Issued Date: 10th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Longwood Brook Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	611	2	411000 416570
7	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dale Street, Longwood Cso Dale Street (Springfield Mill), Longwood, Huddersfield, West Yorkshire</p> <p>Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra8632 Permit Version: 1 Effective Date: 1st April 2005 Issued Date: 11th March 2005 Revocation Date: 9th March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Longwood 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</p>	A14SW (E)	611	2	411000 416570
7	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk</p> <p>Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 3 Effective Date: 25th January 1995 Issued Date: 25th January 1995 Revocation Date: 5th March 1995 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Revised by Notice, at direction of Secretary of State (Section 37(2)) Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	620	2	411010 416570
7	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Damall Road Cso, Damall Road, Sheffield, S9 5ah</p> <p>Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 4 Effective Date: 6th March 1995 Issued Date: 25th January 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Revised by Notice, at direction of Secretary of State (Section 37(2)) Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	620	2	411010 416570

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 2 Effective Date: 2nd July 1993 Issued Date: 2nd July 1993 Revocation Date: 24th January 1995 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Revised by Notice, at direction of Secretary of State (Section 37(2)) Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	620	2	411010 416570
7	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 1 Effective Date: 27th May 1963 Issued Date: 27th May 1963 Revocation Date: 1st July 1993 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	620	2	411010 416570
8	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 3 Effective Date: 25th January 1995 Issued Date: 25th January 1995 Revocation Date: 5th March 1995 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Revised by Notice, at direction of Secretary of State (Section 37(2)) Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	848	2	409420 416660
8	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Darnall Road Cso, Darnall Road, Sheffield, S9 5ah Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 4 Effective Date: 6th March 1995 Issued Date: 25th January 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Revised by Notice, at direction of Secretary of State (Section 37(2)) Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	848	2	409420 416660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 2 Effective Date: 2nd July 1993 Issued Date: 2nd July 1993 Revocation Date: 24th January 1995 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Revised by Notice, at direction of Secretary of State (Section 37(2)) Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	848	2	409420 416660
8	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Undefined Site, See Outlet Ngr Or Comments, For More Info About The Site, (Do Not Change These Details), Nk Authority: Environment Agency, North East Region Catchment Area: Calder Reference: S/Cb/51 Permit Version: 1 Effective Date: 27th May 1963 Issued Date: 27th May 1963 Revocation Date: 1st July 1993 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Varies With Outlet Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	848	2	409420 416660
8	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Nettleton Hill Cso, Off Hollin Hall Road, Golcar, Huddersfield Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Wra8609 Permit Version: 2 Effective Date: 15th August 2005 Issued Date: 15th August 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Clay Wood Brook Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	853	2	409420 416640
9	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Decorative Panels Ltd Location: Firm Mills, Grove Street, HUDDERSFIELD, HD3 4TH Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location</p>	A13SE (E)	212	3	410627 416727
9	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Decorative Panels Components Ltd Location: Firm Mills, Grove Street, HUDDERSFIELD, HD3 4TH Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Ppc W 46 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/2 Manufacture of timber and wood-based products Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A13SE (E)	213	3	410628 416725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Local Authority Pollution Prevention and Controls Name: Scar Lane Motors Filling Station Location: Scar Lane Motors Filling Station, Scar Lane, Huddersfield, West Yorkshire, HD3 4QA Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC W 125 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A9SW (SE)	884	3	410823 415966
11	Local Authority Pollution Prevention and Controls Name: Salendine Service Station Location: New Hey Road, HUDDERSFIELD, HD3 4BU Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC W 115 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A18NE (N)	908	3	410478 417763
	Nearest Surface Water Feature	A13SE (SE)	0	-	410364 416740
12	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 17th June 1991 Incident Reference: 123554 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	0	2	410305 416795
12	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 27th November 1990 Incident Reference: 117426 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	0	2	410300 416795
12	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 21st November 1990 Incident Reference: 117145 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	0	2	410300 416800
13	Pollution Incidents to Controlled Waters Property Type: Textile industry Location: Longwood Brook, LONGWOOD Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: No Fish Killed Incident Date: 28th July 1997 Incident Reference: SL970741 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (E)	59	2	410450 416800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Pollution Incidents to Controlled Waters Property Type: Textile industry Location: COLNE Authority: Environment Agency, North East Region Pollutant: Unknown Note: Fish Killed: No Information; Colne Incident Date: 13th January 1995 Incident Reference: SL950183 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (E)	97	2	410500 416800
14	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Water Distribution System Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Raw Water Note: Not Supplied Incident Date: 20th January 1992 Incident Reference: 129784 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	126	2	410305 417000
15	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Rubbish Note: Not Supplied Incident Date: 31st March 1992 Incident Reference: 131737 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	401	2	410100 416400
16	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Water Distribution System Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 4th October 1989 Incident Reference: 103884 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	444	2	409800 416900
17	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Mouth/Huddersfld Colne Afl Authority: Environment Agency, North East Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 3rd July 1993 Incident Reference: 145854 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	621	2	409800 417300
18	Pollution Incidents to Controlled Waters Property Type: Fire Water Location: Location Description Not Available, MILNSBRIDGE Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Watercourse :River Colne; From Longwood Beck To River Holme; 11-200 Fish Killed Incident Date: Not Supplied Incident Reference: SL980423 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	776	2	410400 415950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 29th March 1990 Incident Reference: 109058 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	863	2	410600 415900
19	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 29th March 1990 Incident Reference: 109061 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	868	2	410600 415895
20	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Huddersfld/Source Colne Afu Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 3rd March 1994 Incident Reference: 150080 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	992	2	411300 416300
	River Quality Name: Longwood_Beck GQA Grade: River Quality B Reach: Outlane_Longwoo Estimated Distance (km): 3.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13NE (NE)	40	2	410402 416840
	River Quality Name: Longwood_Beck GQA Grade: River Quality B Reach: Longwood_River_Coln Estimated Distance (km): 1.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13SE (SE)	234	2	410627 416650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	River Quality Biology Sampling Points Name: Longwood Beck Reach: Longwood To River Colne Estimated Distance: 1.10 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	A14SW (SE)	412	2	410800 416600
22	River Quality Biology Sampling Points Name: Longwood Beck Reach: Outlane To Longwood Estimated Distance: 3.10 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	A14SW (E)	482	2	410889 416654
23	Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 13th February 2015 Incident Reference: 1313662 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Inorganic Chemicals/Products: Cement	A13SE (E)	133	2	410549 416737
24	Water Abstractions Operator: Parkwood Mills Co Ltd Licence Number: 2/27/11/123 Permit Version: 102 Location: Clay Wood Brook-Parkwood Road-Longwood Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Parkwood Mills, Longwood, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th August 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (N)	57	2	410330 416910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Water Abstractions Operator: Parkwood Mills Co Ltd Licence Number: 2/27/11/115 Permit Version: 101 Location: Clay Wood Brook/Oakscar Reservoir Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Parkwood Mills, Longwood, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd April 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	98	2	410400 416900
25	Water Abstractions Operator: Parkwood Mills Co Ltd Licence Number: 2/27/11/115 Permit Version: 100 Location: Clay Wood Brook/Oakscar Reservoir Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1364 Yearly Rate (m3): 340950 Details: Parkwood Mills, Longwood, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	98	2	410400 416900
26	Water Abstractions Operator: Hadenfayre Ltd Licence Number: 2/27/11/061 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 909 Yearly Rate (m3): 227271 Details: Licence Lapsed 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	A13NW (N)	124	2	410300 417000
27	Water Abstractions Operator: N N Sheard Licence Number: 2/27/11/117 Permit Version: 100 Location: Spring - Longwood Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2 Yearly Rate (m3): 832 Details: Royles Head Farm, Longwood, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	147	2	410100 416900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	Water Abstractions Operator: Parkwood Mills Co Ltd Licence Number: 2/27/11/123 Permit Version: 100 Location: Claywood Brook Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 118196 Details: Parkwood Mills, Longwood, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th May 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	251	2	410000 416800
29	Water Abstractions Operator: Joseph Hoyle & Son Ltd Licence Number: 2/27/11/118 Permit Version: Not Supplied Location: Prospect Mills, Longwood, HUDDERSFIELD Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 2728 Yearly Rate (m3): 681900 Details: 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	A14SW (E)	387	2	410800 416800
30	Water Abstractions Operator: Yorkshire Water Services Ltd Licence Number: 2/27/11/066 Permit Version: 100 Location: Longwood Upper And Lower Reservoirs Authority: Environment Agency, North East Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 818280 Details: Longwood Upper And Lower Reservoir With Associated Springs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NE (W)	559	2	409700 417000
31	Water Abstractions Operator: Wooltex Uk Ltd Licence Number: Ne/027/0011/018 Permit Version: 2 Location: Borehole - Coal Measures - Woodland Mill Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: Process Water 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 April Authorised End: 31 March Permit Start Date: 13th November 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	727	2	411097 416494

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Water Abstractions Operator: Wooltex Uk Ltd Licence Number: Ne/027/0011/018 Permit Version: 1 Location: Borehole - Coal Measures - Woodland Mill Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: Process Water 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 April Authorised End: 31 March Permit Start Date: 24th October 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	727	2	411097 416494
	Water Abstractions Operator: Eddie & Bessie E Firth & Jacqueline M & John G Walker Licence Number: 2/27/11/169 Permit Version: 100 Location: Tributary Of Longwood Brook Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 350 Yearly Rate (m3): 20000 Details: Cliffe End Mills, Dale Street, Longwood, Huddersfield Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 20th April 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10NW (SE)	1082	2	411400 416300
	Water Abstractions Operator: Eddie & Bessie E Firth & Jacqueline M & John G Walker Licence Number: 2/27/11/169 Permit Version: 100 Location: Tributary Of Longwood Brook Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Cliffe End Mills, Dale Street, Longwood, Huddersfield Authorised Start: 01 October Authorised End: 31 March Permit Start Date: 20th April 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10NW (SE)	1082	2	411400 416300
	Water Abstractions Operator: Colne Vale Dye & Chemical Company Ltd Licence Number: 2/27/11/009 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 45 Yearly Rate (m3): 11365 Details: Millstone Grit Licence 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	A9SE (SE)	1171	2	411100 415800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Waterways Board; Licence Number: 2/27/11/145 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 18184 Details: Licence 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	A4NE (SE)	1254	2	411100 415700
	Water Abstractions Operator: Hartford Holdings Ltd Licence Number: 2/27/11/006 Permit Version: 100 Location: River Colne Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 146 Yearly Rate (m3): 30117 Details: Ramsden Mills, Linthwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th March 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1425	2	410400 415300
	Water Abstractions Operator: Hartford Holdings Ltd Licence Number: 2/27/11/006 Permit Version: 100 Location: River Colne Authority: Environment Agency, North East Region Abstraction: Textiles & Leather: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ramsden Mills, Linthwaite, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th March 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1425	2	410400 415300
	Water Abstractions Operator: John Gladstone & Company Limited Licence Number: 2/27/10/120 Permit Version: 100 Location: Borehole Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 60 Yearly Rate (m3): 15000 Details: Wellington Mills, Lindley, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st January 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20NW (NE)	1457	2	411600 417600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Yorkshire Wool Dyeing Co Ltd Licence Number: 2/27/11/036(S) Permit Version: 100 Location: River Colne - Milnsbridge Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 274 Yearly Rate (m3): 68190 Details: George Street Mills, Milnsbridge, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SE (SE)	1487	2	411700 416000
	Water Abstractions Operator: Calderdale & Huddersfield Nhs Trust Licence Number: 2/27/11/058 Permit Version: 101 Location: Spring - Lindley Authority: Environment Agency, North East Region Abstraction: Metal: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Acre Mills, Lindley, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1511	2	411400 417900
	Water Abstractions Operator: Calderdale & Huddersfield Nhs Trust Licence Number: 2/27/11/058 Permit Version: 101 Location: Spring - Lindley Authority: Environment Agency, North East Region Abstraction: Metal: General Use Relating To Secondary Category (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: Acre Mills, Lindley, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1511	2	411400 417900
	Water Abstractions Operator: Joseph Sykes Brothers Licence Number: 2/27/11/058 Permit Version: 100 Location: Spring - Lindley Authority: Environment Agency, North East Region Abstraction: Metal: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 65 Yearly Rate (m3): 24094 Details: Acre Mills, Lindley, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1511	2	411400 417900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Joseph Sykes Brothers Licence Number: 2/27/11/058 Permit Version: 100 Location: Spring - Lindley Authority: Environment Agency, North East Region Abstraction: Metal: General Use Relating To Secondary Category (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: Acre Mills, Lindley, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25SW (NE)	1511	2	411400 417900
	Water Abstractions Operator: Yorkshire Wool Dyeing Co Ltd Licence Number: 2/27/11/036 Permit Version: 2 Location: River Colne - Milnsbridge Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 20th August 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1513	2	411717 415978
	Water Abstractions Operator: British Waterways Board; Licence Number: 2/27/11/141 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 227 Details: Licence 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	A10SW (SE)	1518	2	411600 415800
	Water Abstractions Operator: Yorkshire Wool Dyeing Co Ltd Licence Number: 2/27/11/036(G) Permit Version: 100 Location: Borehole - Coal Measures - Milnsbridge Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: 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: George Street Mills, Milnsbridge, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1574	2	411800 416000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Yorkshire Wool Dyeing Company Limited Licence Number: 2/27/11/036(G) Permit Version: 100 Location: Borehole - Coal Measures Milnsbridge Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: 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: George Street Mills, Milnsbridge, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1574	2	411800 416000
	Water Abstractions Operator: Hartford Holdings Ltd Licence Number: 2/27/11/042 Permit Version: 100 Location: River Colne - Linthwaite Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 159 Yearly Rate (m3): 31820 Details: Ramsden Mill, Linthwaite, Nr. Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th May 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1629	2	410200 415100
	Water Abstractions Operator: B Crosland & Sons Ltd Licence Number: 2/27/11/001 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 59 Yearly Rate (m3): 11360 Details: Coal Measures Licence Lapsed 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	A20NE (NE)	1662	2	411900 417500
	Water Abstractions Operator: T E Newsholme Ltd Licence Number: 2/27/11/186 Permit Version: 1 Location: Borehole - Millstone Grit- Oakes Authority: Environment Agency, North East Region Abstraction: Food And Drink: 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: The Area Of Land At New Hay Road, Oakes, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th June 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20SE (E)	1664	2	411940 417420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Outlane Golf Club Limited Licence Number: 2/27/11/166 Permit Version: Not Supplied Location: Outlane Golf Club, New Hey Road, Outlane, HUDDERSFIELD Authority: Environment Agency, North East Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 27 Yearly Rate (m3): 2300 Details: Not Supplied 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	(W)	1710	2	408640 417460
	Water Abstractions Operator: Birkby Group Ltd Licence Number: 2/27/11/052 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 55 Yearly Rate (m3): 3273 Details: Millstone Grit Licence 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	A1NW (SW)	1824	2	408900 415600
	Water Abstractions Operator: Birkby Group Ltd Licence Number: 2/27/11/051 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 31822 Details: Licence 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	A1NW (SW)	1827	2	408900 415595
	Water Abstractions Operator: British Waterways Board Licence Number: 2/27/11/144 Permit Version: 100 Location: Huddersfield Canal Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 454600 Details: Premises Of J. Crowther & Son, Milnsbridge Ltd, Milnsbridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th March 1980 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SE)	1886	2	412100 415900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Waterways Board Licence Number: 2/27/11/144 Permit Version: 100 Location: Huddersfield Canal - Milnsbridge Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises Of J. Crowther & Son, Milnsbridge Ltd, Milnsbridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th March 1980 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1886	2	412100 415900
	Water Abstractions Operator: Mns Textiles Ltd Licence Number: Ne/027/0011/017 Permit Version: 1 Location: Borehole - Coal Measures - Tnayard Rd - Milnsbridge Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: 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: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th July 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1891	2	412077 415847
	Water Abstractions Operator: Outlane Golf Club Ltd Licence Number: Ne/027/0011/003 Permit Version: 1 Location: Borehole - Millstone Grit - Huddersfield Authority: Environment Agency, North East 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: Outlane Golf Club Limited, Slack Lane. Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 23rd August 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1927	2	408421 417494
	Water Abstractions Operator: John Gladstone (Dyers & Finishers) Ltd Licence Number: 2/27/11/037 Permit Version: 102 Location: Borehole - Millstone Grit - Milnsbridge Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: 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: Union Mills, Milnsbridge, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th October 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SE)	1933	2	412100 415800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Ska Property Management Company Limited Licence Number: 2/27/11/037 Permit Version: 101 Location: Borehole - Millstone Grit - Milnsbridge Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: 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: Union Mills, Milnsbridge, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th February 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SE)	1933	2	412100 415800
	Water Abstractions Operator: John Crowther & Sons (Milnsbridge) Ltd Licence Number: 2/27/11/037 Permit Version: 100 Location: Borehole Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1296 Yearly Rate (m3): 454600 Details: Union Mills, Milnsbridge, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SE)	1933	2	412100 415800
	Water Abstractions Operator: John Crowther & Sons (Milnsbridge) Ltd Licence Number: 2/27/11/038 Permit Version: 100 Location: Catchpit - Milnsbridge Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 273 Yearly Rate (m3): 90920 Details: Union Mills, Milnsbridge, Huddersfield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SE)	1933	2	412100 415800
	Water Abstractions Operator: Milnsbridge Dyeing Company Ltd; Fishpond Dyeworks; Milnsbridge; Huddersfield Licence Number: 2/27/11/044 Permit Version: Not Supplied Location: Fishpond Dyeworks, Milnsbridge, HUDDERSFIELD Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 455 Yearly Rate (m3): 136380 Details: Millstone Grit Licence 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	(SE)	1935	2	412200 416000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Outlane Golf Club Ltd Licence Number: 2/27/11/185 Permit Version: 1 Location: Borehole - Millstone Grit - Huddersfield Authority: Environment Agency, North East 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: Outlane Golf Club Limited, Slack Lane, Off New Hey Road, Huddersfield, West Yorkshire, Hd3 3yl Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 3rd April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1949	2	408400 417500
	Water Abstractions Operator: Mr J Bairstow Licence Number: 2/27/12/191 Permit Version: 100 Location: Spring - Holywell Green Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 3 Yearly Rate (m3): 1032 Details: Cop Riding Farm, Holywell Green Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1989	2	410250 418870
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13SW (S)	0	2	410325 416800
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (S)	0	4	410325 416800
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	47	2	410358 416871
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	57	2	410331 416908
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	78	2	410495 416769
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	88	2	410322 416957
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	47	2	410358 416871
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	57	2	410331 416908

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	78	2	410495 416769
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	88	2	410322 416957
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SE (SE)	0	5	410364 416740
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SE (SE)	0	5	410402 416753
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 338.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SE (S)	0	5	410352 416732
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Clay Wood Brook Catchment Name: Aire and Calder Primacy: 1	A13NW (N)	17	5	410309 416905
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Wood Brook Catchment Name: Aire and Calder Primacy: 1	A13NW (NW)	35	5	410220 416891
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Wood Brook Catchment Name: Aire and Calder Primacy: 1	A13NW (N)	55	5	410329 416908
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A13NE (NE)	59	5	410382 416865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A13NE (NE)	59	5	410368 416878
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A13NE (NE)	60	5	410364 416890
41	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A13NE (N)	60	5	410348 416897
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A13NE (N)	60	5	410342 416903
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A13NE (N)	60	5	410333 416911
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (NE)	66	5	410364 416890
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A13SE (E)	78	5	410493 416767
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (NE)	79	5	410380 416894
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NW (N)	79	5	410318 416944

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 410.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A13NW (N)	82	5	410318 416944
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A13SE (E)	123	5	410539 416740
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SE (E)	123	5	410539 416740
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Wood Brook Catchment Name: Aire and Calder Primacy: 1	A13NW (W)	130	5	410114 416846
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 219.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A13SE (E)	136	5	410551 416728
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 194.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Wood Brook Catchment Name: Aire and Calder Primacy: 1	A13NW (W)	213	5	410032 416835
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 136.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SW (SW)	312	5	410037 416610
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SE (SE)	315	5	410632 416522
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13SE (SE)	331	5	410666 416533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A14SW (E)	353	5	410763 416681
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SW (SE)	371	5	410727 416547
59	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Wood Brook Catchment Name: Aire and Calder Primacy: 1	A12SE (W)	389	5	409864 416774
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 382.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Wood Brook Catchment Name: Aire and Calder Primacy: 1	A12SE (W)	392	5	409862 416771
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A14SW (E)	400	5	410806 416660
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SW (E)	400	5	410806 416660
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A14SW (E)	405	5	410810 416657
64	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 13.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A18SW (N)	405	5	410151 417270
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SW (SE)	413	5	410780 416555

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 436.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A18SW (N)	418	5	410142 417280
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (SW)	441	5	410092 416357
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 258.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SE (SW)	441	5	409910 416567
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (SW)	479	5	410054 416337
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A14SW (E)	551	5	410939 416573
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SE (SW)	692	5	409666 416482
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A14SE (SE)	723	5	411085 416477
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	723	5	409557 416635
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 410.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clay Wood Brook Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	723	5	409557 416635

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SW (SW)	724	5	409628 416483
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A9NE (SE)	742	5	411100 416461
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 807.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A17NE (NW)	773	5	409818 417511
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A9NE (SE)	786	5	411136 416432
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A9NE (SE)	798	5	411145 416424
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A9NE (SE)	850	5	411188 416392
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	854	5	409444 416562
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A9NE (SE)	884	5	411219 416381
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 2	A7NW (SW)	920	5	409442 416413

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NW (SW)	920	5	409442 416413
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NE (SE)	950	5	411247 416289
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Longwood Brook Catchment Name: Aire and Calder Primacy: 1	A9NE (SE)	965	5	411289 416339
87	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: Aire and Calder Primacy: 2	A7NW (SW)	980	5	409426 416323

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	Historical Landfill Sites Licence Holder: Scholes Windows Limited Location: Longwood, Huddersfield Name: Dam site off Grove Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04170 First Input Date: 31st December 1984 Last Input Date: 31st March 1986 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4700/0813 BGS Ref: Not Supplied Other Ref: 4700/0422	A13SE (E)	80	2	410494 416770
89	Historical Landfill Sites Licence Holder: The Parkwood Mills Company Limited Location: Parkwood Road, Leymoor, Huddersfield Name: Land at Leymoor Dyeworks Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04169 First Input Date: 1st January 1970 Last Input Date: 31st December 1992 Specified Waste: Deposited Waste included Inert, Industrial and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4700/0803 BGS Ref: Not Supplied Other Ref: 4700/0122	A13SW (W)	189	2	410068 416791
90	Historical Landfill Sites Licence Holder: Kirklees Metropolitan Borough Council Location: Benn Street, Longwood, Huddersfield Name: Sunnybank Mills Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04171 First Input Date: 30th June 1988 Last Input Date: 30th June 1990 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4700/0797 BGS Ref: Not Supplied Other Ref: 4700/0658	A14SW (E)	429	2	410836 416659
	Local Authority Landfill Coverage Name: Kirklees Metropolitan Borough Council - Has not been able to supply Landfill data		0	6	410325 416800
91	Registered Landfill Sites Licence Holder: Scholes Windows Ltd Licence Reference: 422 Site Location: Dam Site Off Grove Street, Longwood, Huddersfield, West Yorkshire Licence Easting: 410530 Licence Northing: 416760 Operator Location: Grove Street, Longwood, Huddersfield, West Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st April 1984 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Excavation Waste Max.Waste Permitted By Licence Prohibited Waste: Liable To Cause Environmental Hazards Poisonous, Noxious, Polluting Wastes	A13SE (E)	114	2	410530 416760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	<p>Registered Landfill Sites</p> <p>Licence Holder: The Parkwood Mills Co Ltd Licence Reference: 122 Site Location: Leymoor Dyeworks, Parkwood Road, Leymoor, Huddersfield, West Yorkshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Longwood, HUDDERSFIELD, West Yorkshire, HD3 4TP Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st May 1981 Preceded By: 122 Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Com. + Ind. Non-Combust. Non-Putresc. Construction And Demolition Wastes Max.Waste Permitted By Licence Prohibited Waste: Liable To Cause Environmental Hazards Poisonous, Noxious, Polluting Wastes</p>	A13SW (W)	191	2	410066 416789
93	<p>Registered Landfill Sites</p> <p>Licence Holder: The Parkwood Mills Co Ltd Licence Reference: 122 Site Location: Leymoor Dyeworks, Parkwood Road, Leymoor, Huddersfield, West Yorkshire Licence Easting: 410030 Licence Northing: 416780 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 27th September 1979 Preceded By: Not Given Licence: Superseded By: 122 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Inert Constr'N/Demol. Waste Prohibited Waste: Liable To Cause Environmental Hazards Poisonous, Noxious, Polluting Wastes Putrescible Waste</p>	A13SW (W)	229	2	410030 416780
94	<p>Registered Landfill Sites</p> <p>Licence Holder: Kirklees M.D.C. Licence Reference: 658 Site Location: Sunnybank Mills, Benn Street, Longwood, Huddersfield, West Yorkshire Licence Easting: 410900 Licence Northing: 416650 Operator Location: Civic Centre, HUDDERSFIELD, West Yorkshire, HD1 2NA Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1988 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Excavation Waste Solid, Inert Constr'N/Demol. Waste Prohibited Waste: Liable To Cause Environmental Hazards Poisonous, Noxious, Polluting Wastes Putrescible Waste</p>	A14SW (E)	494	2	410900 416650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Millstone Grit Group [See Also Migr]	A13SW (S)	0	1	410325 416800
95	BGS Recorded Mineral Sites Site Name: Green Hill Location: Quarmbly, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91265 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	368	1	410535 417143
96	BGS Recorded Mineral Sites Site Name: Longwood Edge Location: Longwood Edge, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 108371 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (N)	530	1	410321 417408
97	BGS Recorded Mineral Sites Site Name: Longwood Edge Location: Longwood, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91285 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (E)	560	1	410958 416894
98	BGS Recorded Mineral Sites Site Name: Longwood Edge Location: Longwood, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91284 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	631	1	411041 416839
99	BGS Recorded Mineral Sites Site Name: Longwood Edge Location: Mount, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 5700 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	768	1	410095 417630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	BGS Recorded Mineral Sites Site Name: Scar Wood Location: Golcar, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91287 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (S)	888	1	410696 415906
101	BGS Recorded Mineral Sites Site Name: Nab End Quarry Location: Longwood, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 10171 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	904	1	411320 416720
102	BGS Recorded Mineral Sites Site Name: Longwood Edge Quarries Location: Mount, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 191100 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	914	1	410012 417759
103	BGS Recorded Mineral Sites Site Name: Nook Location: Quarmby, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 91267 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	919	1	410695 417693
104	BGS Recorded Mineral Sites Site Name: Scar Wood Location: Golcar, Huddersfield, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 9494 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A3NE (S)	941	1	410398 415784
	Coal Mining Affected Areas In an area that might not be affected by coal mining				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 410800 Northing: 417400 Distance: 736 Quadrant Reference: A19 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Not supplied Commodity: Flagstones Solid Geology Detail: No Details Superficial Geology No Details Detail:	A19SW (NE)	736	8	410800 417400
	Man-Made Mining Cavities Easting: 410800 Northing: 417400 Distance: 736 Quadrant Reference: A19 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Not supplied Commodity: Flagstones Solid Geology Detail: No Details Superficial Geology No Details Detail:	A19SW (NE)	736	8	410800 417400
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	410325 416800
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	243	1	410000 416800
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	410325 416800
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	243	1	410000 416800
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	410325 416800
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	243	1	410000 416800
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	410325 416800
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	243	1	410000 416800
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	410325 416800
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	163	1	410424 416980
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	243	1	410000 416800
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	410325 416800
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	243	1	410000 416800
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	410325 416800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	163	1	410424 416980
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	243	1	410000 416800
	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	A13SW (S)	0	1	410325 416800
	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	A13SW (S)	0	1	410325 416800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	Contemporary Trade Directory Entries Name: Jessel Fabrics Location: Grove Street, Longwood, Huddersfield, HD3 4TS Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	66	-	410424 416835
105	Contemporary Trade Directory Entries Name: Parkwood Mills Co Ltd Location: Grove Street, Longwood, Huddersfield, HD3 4TS Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	66	-	410424 416835
105	Contemporary Trade Directory Entries Name: Longwood Finishing Co Location: Grove Street, Longwood, Huddersfield, HD3 4TS Classification: Dyers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	66	-	410424 416835
106	Contemporary Trade Directory Entries Name: Express Living Co Location: 22, Grove Street, Longwood, Huddersfield, HD3 4TS Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (N)	100	-	410352 416947
107	Contemporary Trade Directory Entries Name: Trojan Plastics Ltd Location: Firm Mill, Grove Street, Longwood, Huddersfield, West Yorkshire, HD3 4TH Classification: Bathroom Fixtures - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	215	-	410630 416725
107	Contemporary Trade Directory Entries Name: Decorative Panels Ltd Location: Firm Mills, Grove Street, Longwood, Huddersfield, HD3 4TH Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	226	-	410641 416730
108	Contemporary Trade Directory Entries Name: Parkwood Road Garage Location: 63, Thorpe Green Drive, Golcar, Huddersfield, HD7 4QT Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	226	-	410123 416639
108	Contemporary Trade Directory Entries Name: F T Fairbank Location: 39, Thorpe Green Drive, Golcar, Huddersfield, HD7 4QS Classification: Furniture - Repairing & Restoring Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	230	-	410138 416608
109	Contemporary Trade Directory Entries Name: Whiteford Felt & Fillings Ltd Location: Clough Mill, Grove Street, Longwood, Huddersfield, HD3 4TH Classification: Textile Manufacturing Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	276	-	410689 416708
110	Contemporary Trade Directory Entries Name: Stead Lane Home Improvements Ltd Location: 4, Glastonbury Drive, Huddersfield, West Yorkshire, HD3 4SA Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	522	-	410814 416413
111	Contemporary Trade Directory Entries Name: Wellcroft Service Station Location: 300, Leymoor Road, Golcar, Huddersfield, HD7 4QL Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	592	-	409868 416362
112	Contemporary Trade Directory Entries Name: Gcs Guttering Services Location: 108, Botham Hall Road, Huddersfield, HD3 4RH Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	595	-	410910 416419

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	Contemporary Trade Directory Entries Name: Eldon Electricals Location: Springfield Mills, Dale Street, Longwood, Huddersfield, HD3 4TG Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	610	-	410995 416556
113	Contemporary Trade Directory Entries Name: Chem Dry Location: Springfield Mill, Royd Street, Huddersfield, HD3 4QY Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	629	-	411013 416550
114	Contemporary Trade Directory Entries Name: A M F Cleaning Services Location: 91, Arthur Street, Golcar, Huddersfield, HD7 4DJ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	618	-	410170 416128
114	Contemporary Trade Directory Entries Name: A M F Cleaning Services Location: 91, Arthur Street, Golcar, Huddersfield, HD7 4DJ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	619	-	410169 416128
115	Contemporary Trade Directory Entries Name: D J C Cleaning Location: 1, Laburnum Grove, Golcar, Huddersfield, HD7 4BA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	645	-	410551 416113
115	Contemporary Trade Directory Entries Name: A & A Cleaning & Ironing Services Location: 1, Laburnum Grove, Golcar, Huddersfield, HD7 4BA Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	645	-	410551 416113
116	Contemporary Trade Directory Entries Name: Uk Blinds Huddersfield Location: 49, Lamb Hall Road, HUDDERSFIELD, HD3 3TJ Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	656	-	410062 417505
117	Contemporary Trade Directory Entries Name: Longwood Motor Co Location: 2 Dale St, Longwood, Huddersfield, West Yorkshire, HD3 4TG Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	714	-	411092 416520
117	Contemporary Trade Directory Entries Name: Ashdale Garage Location: 10, Dale Street, Longwood, Huddersfield, HD3 4TG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	745	-	411112 416483
118	Contemporary Trade Directory Entries Name: Neptune Plastic Fabrications Location: 20-22, Bull Green Road, Huddersfield, HD3 4XW Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	756	-	411172 416717
119	Contemporary Trade Directory Entries Name: Yorkshire Ironcraft Location: 27, East Street, Golcar, Huddersfield, HD7 4BS Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	758	-	410410 415968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	Contemporary Trade Directory Entries Name: Excel Location: Unit 1 Woodlands, Dale Street, Longwood, Huddersfield, West Yorkshire, HD3 4TG Classification: Roller Shutter Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	770	-	411115 416427
120	Contemporary Trade Directory Entries Name: N Batley Ltd Location: Woodland Mill, Dale Street, Longwood, Huddersfield, HD3 4TG Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	782	-	411121 416412
120	Contemporary Trade Directory Entries Name: Advanced Chem-Dry Location: Woodland Mill, Dale Street, Longwood, Huddersfield, HD3 4TG Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	782	-	411121 416412
121	Contemporary Trade Directory Entries Name: A D W Electrical Solutions Location: 258, Scar Lane, Golcar, Huddersfield, HD7 4AU Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	809	-	410620 415963
122	Contemporary Trade Directory Entries Name: A T L Location: 190, Scar Lane, Huddersfield, HD3 4PY Classification: Breakdown and Recovery Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	811	-	410703 415993
123	Contemporary Trade Directory Entries Name: Wooltex Uk Ltd Location: Woodland Mill, Dale Street, Longwood, Huddersfield, HD3 4TG Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	818	-	411174 416443
124	Contemporary Trade Directory Entries Name: P K Wrought Ironwork Location: Royd St, Huddersfield, West Yorkshire, HD3 4QY Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	819	-	411122 416334
125	Contemporary Trade Directory Entries Name: Direct Group Yorkshire Ltd Location: Bank Mill, 414, Leymoor Road, Golcar, Huddersfield, HD7 4QF Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	821	-	409743 416157
126	Contemporary Trade Directory Entries Name: G P S Window Films Location: 32, Springside Rise, Golcar, Huddersfield, West Yorkshire, HD7 4RW Classification: Window Tinting Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	822	-	409580 416375
127	Contemporary Trade Directory Entries Name: C & K Auto Centre Location: 2, Royd Street Avenue, Huddersfield, HD3 4QZ Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	854	-	411161 416333
127	Contemporary Trade Directory Entries Name: Pro Paint Products Location: Springfield Mill, Royd Street, Huddersfield, West Yorkshire, HD3 4QY Classification: Paint Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	855	-	411160 416328

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	Contemporary Trade Directory Entries Name: Firth Waste Management Location: Unit 7,Dale Street Mills,Royd St, Huddersfield, West Yorkshire, HD3 4QY Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	855	-	411160 416328
127	Contemporary Trade Directory Entries Name: L R Holton Location: 76, Royd Street, HUDDERSFIELD, HD3 4QY Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	864	-	411148 416290
128	Contemporary Trade Directory Entries Name: Stern Location: Scar la Motors Filling Station Scar la, Huddersfield, West Yorkshire, HD3 4QA Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	884	-	410823 415966
128	Contemporary Trade Directory Entries Name: C J Stern Oils Ltd Location: Scar Lane Motors Filling Station, Scar Lane, Huddersfield, HD3 4QA Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	884	-	410822 415966
128	Contemporary Trade Directory Entries Name: C J Stern Oils Ltd Location: Scar Lane Motors Filling Station, Scar Lane, Huddersfield, HD3 4QA Classification: Oil Fuel Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	884	-	410823 415966
128	Contemporary Trade Directory Entries Name: C J Stern Ltd Location: Scar Lane Motors Filling Station, Scar Lane, HUDDERSFIELD, HD3 4QA Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	884	-	410823 415966
128	Contemporary Trade Directory Entries Name: Scar Lane Testing Centre Location: Scar Lane, Huddersfield, HD3 4QA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	897	-	410805 415942
129	Contemporary Trade Directory Entries Name: Woodland Garage Location: Dale Street, Longwood, Huddersfield, HD3 4TG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A9NE (E)	889	-	411244 416427
129	Contemporary Trade Directory Entries Name: Kayton Supplies Ltd Location: 4, Dale Street, Longwood, Huddersfield, HD3 4TG Classification: Sports Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	893	-	411235 416395
130	Contemporary Trade Directory Entries Name: Kitchen Factory Location: Springfield Mill, Royd Street, Huddersfield, HD3 4QY Classification: Kitchen Furniture Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	898	-	411209 416329
130	Contemporary Trade Directory Entries Name: P L Andrews Location: Springfield Mill, Royd Street, Huddersfield, HD3 4QY Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	898	-	411209 416329
130	Contemporary Trade Directory Entries Name: Premier Direct Location: Dale St Mills,Royd St, Huddersfield, West Yorkshire, HD3 4QY Classification: Laundry Equipment Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	907	-	411237 416365

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	Contemporary Trade Directory Entries Name: T & S Cleaning Services Location: Unit 4, Dale Street Mills, Dale Street, Longwood, Huddersfield, HD3 4TG Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	907	-	411238 416366
130	Contemporary Trade Directory Entries Name: Sampson Cleaning Location: Sampson Cleaning Services, Royd Street Mills, Royd Street, Huddersfield, HD3 4QY Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	912	-	411221 416321
130	Contemporary Trade Directory Entries Name: Porky Penguin Ltd Location: Dale Street Mills, Royd Street, HUDDERSFIELD, HD3 4QY Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	917	-	411237 416341
130	Contemporary Trade Directory Entries Name: P M Auto Repairs Location: Unit 1, Dale Street Mills, Dale Street, Longwood, Huddersfield, HD3 4TG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	917	-	411237 416341
130	Contemporary Trade Directory Entries Name: I B P Printers Ltd Location: Crown Works, Royd Street Mills, Royd Street, Huddersfield, HD3 4QY Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	917	-	411237 416341
130	Contemporary Trade Directory Entries Name: Showprint Location: Crown Works, Royd Street Mills, Royd Street, Huddersfield, HD3 4QY Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	917	-	411237 416341
130	Contemporary Trade Directory Entries Name: Whittaker'S World Ltd Location: Royd Street Mills, Royd Street, Huddersfield, West Yorkshire, HD3 4QY Classification: Paper & Cardboard Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	917	-	411237 416341
131	Contemporary Trade Directory Entries Name: Ralph M O T Location: Scar Lane, Huddersfield, HD3 4QA Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	906	-	410788 415925
131	Contemporary Trade Directory Entries Name: Scar Lane Testing Centre Location: Scar Lane, Huddersfield, HD3 4QA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	906	-	410788 415925
132	Contemporary Trade Directory Entries Name: B P Service Station Location: Service Station, New Hey Road, Huddersfield, HD3 3UZ Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	907	-	410477 417763
132	Contemporary Trade Directory Entries Name: Salendine Service Station Location: New Hey Road, Huddersfield, HD3 3UZ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	908	-	410478 417763

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	Contemporary Trade Directory Entries Name: Roeserv Location: 63, Longwood Edge Road, Huddersfield, HD3 3UY Classification: Valve Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A23SW (N)	992	-	410024 417843
134	Contemporary Trade Directory Entries Name: Wheelie Wash Location: 6, Britannia Road, Huddersfield, HD3 4QB Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	994	-	410845 415855
135	Fuel Station Entries Name: Scar Lane Motors Location: Scar Lane , Milsnbridge , Huddersfield, West Yorkshire, HD3 4QA Brand: JET Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	884	-	410823 415966
136	Fuel Station Entries Name: Salendine Service Station Location: New Hey Road , Salendine Nook , Huddersfield, West Yorkshire, HD3 3UZ Brand: Bp Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A18NE (N)	908	-	410478 417764

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	Areas of Adopted Green Belt Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Unitary Development Plan Status: Adopted Plan Date: 1st March 1999	A13NW (N)	12	10	410321 416889
138	Areas of Unadopted Green Belt Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Local Plan Status: Submission Draft Plan Date: 25th April 2017	A13NW (N)	12	10	410321 416889

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council - Environmental Health	November 2013 September 2014	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	January 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - North East Region	January 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control Kirklees Metropolitan Borough Council - Environmental Health Department Calderdale Metropolitan Borough Council - Environmental Health	April 2014 October 2014	Variable Variable
Local Authority Pollution Prevention and Controls Kirklees Metropolitan Borough Council - Environmental Health Department Calderdale Metropolitan Borough Council - Environmental Health	April 2014 October 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Kirklees Metropolitan Borough Council - Environmental Health Department Calderdale Metropolitan Borough Council - Environmental Health	April 2014 October 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2019	
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North East Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - North East Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	January 2019 January 2019	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	January 2019	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	October 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Environment Agency - Head Office	January 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2019	Quarterly
Flood Defences Environment Agency - Head Office	February 2019	Quarterly
OS Water Network Lines Ordnance Survey	October 2018	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	July 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	July 2018 July 2018	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	January 2019 January 2019	Quarterly Quarterly
Local Authority Landfill Coverage Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services	May 2000 May 2000	Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council Peak District National Park - Development Control	August 2015 February 2016 February 2016	Variable Variable Variable
Planning Hazardous Substance Consents Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council Peak District National Park - Development Control	August 2015 February 2016 February 2016	Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2018	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Underground Electrical Cables National Grid	December 2015	
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council	August 2018 August 2018	As notified As notified
Areas of Unadopted Green Belt Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council	August 2018 August 2018	As notified As notified
Areas of Outstanding Natural Beauty Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	August 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites Natural England	August 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2018	Bi-Annually
Special Areas of Conservation Natural England	August 2018	Bi-Annually
Special Protection Areas Natural England	August 2018	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 <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

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	Kirklees Metropolitan Borough Council - Environmental Health Department West Riding House, 9 Manchester Road, Huddersfield, West Yorkshire, HD1 3HH	Telephone: 01484 221000 Email: customer.relations@kirklees.gov.uk Website: www.kirklees.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Kirklees Metropolitan Borough Council - Planning Services PO BOX B93, Civic Centre III, Off Market Street, Huddersfield, West Yorkshire, HD1 2JR	Telephone: 01484 221000 Fax: 01484 221613 Website: www.kirklees.gov.uk
7	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
8	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	Kirklees Metropolitan Borough Council Town Hall, Civic Centre, Huddersfield, West Yorkshire, HD1 2TA	Telephone: 01484 221000 Fax: 01484 442768 Website: www.kirklees.gov.uk
11	Calderdale Metropolitan Borough Council Crossley House, Crossley Street, Halifax, West Yorkshire, HX1 1TP	Telephone: 01422 357257 Fax: 01422 392238 Website: www.calderdale.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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Appendix D
BGS Borehole Log

SE 12 NOV 1929

The Longwood Finishing Co. Ltd.
 Parkwood Mills, Longwood,
 near Muddersfield, Yorks.

ft. ins.	Strata	ft. ins.
2-74 9	0. Hard sandstone	9 0 2-74
0-61 2	0. hard blue sandstone.	11 0 8-35
0-41 1	4. " " "	12 4 3-76
0-61 2	0. hard sandstone.	14 44-37
6-36 20	8. hard white sandstone.	35 0 10-67
2-44 8	0. Grey sandstone.	43 0 13-11
4-42 14	6. " " with traces of shale.	57 6 17-53
3-71 12	2. hard shale, very broken.	69 8 21-24
1-52 0	0. Shale with grey sandstone.	74 8 22-76
5-49 18	0. Shale.	92 8 24-25
7-01 23	0. hard black shale, brittle, broken and split.	115 8 35-06
2-84 9	4. Shale.	125 0 38-10
12-55 41	2. Grey flagstone.	166 2 50-65
4-98 16	0. Hard grey flagstone.	182 2 55-53
3-05 10	0. Shale and flagstone.	192 2 58-57
17-68 50	0. Shale.	250 2 76-28
0-5	6. Shale with grit bands.	250 8 76-40
2-59 8	6. Midgeley grit.	259 2 79-00
1-68 5	6. " " with traces of shale.	264 8 80-67
1-22 4	0. " " " shale bands.	268 8 81-69
0-41 2	0. Midgeley grit.	270 8 82-50
181 6	0. " " with shale bands.	276 8 84-33
2-03 7	0. Shale with grit bands.	283 8 86-46
1-68 5	6. Midgeley grit.	289 2 88-14
1-22 4	0. " " with shale bands.	293 2 89-36
2-74 9	0. Shale.	302 2 92-10
4-21 13	10. "	316 0 96-32

TOTAL DEPTH:- 316 feet.

96.32

Sunk by John Thom Ltd in 1933; correspondence regarding this bore filed under WF/77-Longwood. 10-1-55. W.H.

Appendix E
Notes on Contamination
Guidance

UK BACKGROUND

Environmental Protection Act 1990: Part 2A Revised Statutory Guidance (April 2012)

This revised document explains how the Local Authority should decide if land, based on a legal interpretation, is contaminated. The document replaces the previous guidance given in Annex 3 of DEFRA Circular 01/2006, issued in accordance with section 78YA of the 1990 Environmental Protection Act.

The main objectives of the Part 2A regime are to *“identify and remove unacceptable risks to human health and the environment”* and to *“seek to ensure that contaminated land is made suitable for its current use”*.

Part 2A uses a risk based approach to defining contaminated land whereby the “risk” is interpreted as *“the likelihood that harm, or pollution of water, will occur as a result of contaminants in, on or under the land”* and by *“the scale and seriousness of such harm or pollution if it did occur”*.

For a relevant risk to exist a contaminant, pathway and receptor linkage must be present before the land can be considered to be contaminated. The document explains that *“for a risk to exist there must be contaminants present in, on or under the land in a form and quantity that poses a hazard, and one or more pathways by which they might significantly harm people, the environment, or property; or significantly pollute controlled waters.”*

A conceptual model is used to develop and communicate the risks associated with a particular site.

To determine if land is contaminated the local authority use various categories from 1 to 4. Categories 1 and 2 include *“land which is capable of being determined as contaminated land on grounds of significant possibility of significant harm to human health.”*

Categories 3 and 4 *“encompass land which is not capable of being determined on such grounds”*.

PRELIMINARY CONCEPTUAL MODEL

Preliminary Conceptual Models are undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, using the tables detailed below.

CONSEQUENCE OF RISK BEING REALISED (Based on C552 CIRIA, 2001)

Classification	Definition	Example
Severe	Short-term (acute) risk to human health, the environment, an element of the development or other aspect with is likely to result in <i>significant harm</i> , damage or both.	High concentrations of cyanide on the surface of an informal recreational area. Major spills of contaminants from site into controlled water. High concentrations of explosive gas in the subsurface environment that have a clear unobstructed pathway into buildings.
Moderate	Chronic damage to human health, a plausible chance that an event will occur, although the timeline is not immediate to be in the short-term.	Appreciable concentration of contamination that over the longer-term will cause significant harm i.e. high lead concentration in topsoil. Shallow mine workings that are potentially unstable but may remain in a satisfactory or stable conditions for a number of years.
Mild	Low level pollution of non-sensitive water, a feasible hazardous scenario although the timeline of such occurring can probably be considered in 10's of years.	The effect of high sulphate concentrations on structural concrete. Pollution of non-classified groundwater.
Minor	Harm, although not necessarily significant to human health, or with respect to other aspects of the development, which are considered implausible in terms of occurrence, or will have little consequential impact.	The presence of contaminants at such low concentrations that protective equipment is required during site works. Any damage to structures is minimal and will not be structural in characteristics.

PROBABILITY OF RISK BEING REALISED (C552 CIRIA, 2001)

Classification	Definition
High Likelihood	There is a viable pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence that the receptor has been harmed or polluted.
Likely	There is a viable pollutant linkage and all elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	There is a viable pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is a viable pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

RISK CLASSIFICATION MATRIX (C552 CIRIA, 2001)

Risk = Probability x Consequence		Consequence			
		Severe	Moderate	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

HUMAN RECEPTORS

Human exposure to contaminants present in soils can occur via several pathways. Direct exposure pathways include dermal absorption after contact with contaminated ground, inhalation of soil or dust, inhalation of volatilised compounds, and inadvertent soil ingestion (or deliberate soil ingestion in the case of some children). Other indirect pathways include human ingestion of plants grown in contaminated soil or contaminated ground or surface water. Contaminants associated with wind blown dust can affect humans on surrounding sites.

VEGETATION

Plants can be affected by soil contamination in a number of ways resulting in growth inhibition, nutrient deficiencies and yellowing of leaves. Contaminants are taken up by plants through the roots and through foliage. Contaminants identified as being highly phytotoxic include boron, cadmium, copper, lead, nickel, and zinc.

To establish if the levels of contaminants present on a site may pose a risk to vegetation the results of the contamination testing are compared to a series of threshold values published in 'Code of Good Agricultural Practice for the Protection of Soil'.

GROUNDWATER AND SURFACE WATER RECEPTORS

The principal pathway by which soil contamination may reach the water environment is through a slow seepage or leaching to groundwater or surface water. The potential for contaminants to migrate along such pathways is dependent on the chemical and physical characteristics of the contaminants and the local hydrogeology. Surface watercourses may also accumulate contamination as contaminated sediments are deposited within the water body.

Where the site investigated overlies major/principal aquifers (and in some cases minor/secondary aquifers depending on certain conditions), groundwater Source Protection Zones and areas in close proximity to groundwater abstractions, contamination test results have been compared with the Water Supply (Water Quality) Regulations 1989 and The Water Supply (Water Quality) Regulations 2000.

Should a surface water receptor, such as a fresh water environment (river, canal, stream, lake etc), or marine environment be considered sensitive in relation to a site, then test results are compared with DEFRA & SEPA Environmental Quality Standards (2004). Many of the Environmental Quality Standards are hardness (CaCO_3) depended. Where no hardness values are available, Solmek assume conservative values (of between 0 and 50mg/l).

In the absence of vulnerable ground and surface water environments, Solmek may compare any test results with the Environment Agency Leachate Quality Threshold Values.

DETAILED QUANTITATIVE RISK ASSESSMENT (DQRA)

In line with CLR 11- Model Procedures, a DQRA for groundwater/human health may be required following a Phase 2 investigation and before the preparation of a Phase 3 Remediation Strategy. For human health DQRA, a site specific assessment criteria is undertaken using CLEA Software Version 1.06. For groundwater DQRA, the Environment Agency Remedial Targets Worksheet Version 3.1 is used.

WASTE ACCEPTANCE CRITERIA

The WAC testing relates to materials that are to be exported from a site/development to landfill, and do not directly relate to human health specifically. The WAC test categorises materials as either inert waste, non-reactive hazardous waste, and hazardous waste.

The testing results are generally presented as certificates which can be used by site owners/contractors etc, which should be presented to the accepting waste facility or waste contractor.

CONSTRUCTION MATERIALS

Materials at risk from possible soil contaminants include inorganic matrices such as cement and concrete and also organic material such as plastics and rubbers. Acid ground conditions and high levels of sulphates can accelerate the corrosion of building materials. Where pH and soluble sulphate analysis has been undertaken, Solmek compare the test results with the guidelines presented within BRE Special Digest 1, 2005 (3rd Edition) 'Concrete in Aggressive Ground'. Plastics and rubbers are generally used for piping and service ducts and are potentially attacked by a range of chemicals, most of which are organic, particularly petroleum based substances. Drinking water supplies can be tainted by substances that can penetrate piping and water companies enforce stringent threshold values.

The levels of potential contaminants should be compared to thresholds supplied in the UK Water Industry Research (UKWIR) publication "Guidance for the selection of Water Supply Pipes to be used in Brownfield Sites" (January 2011). A Brownfield Site is defined in the document as "Land or premises that have not previously been used or developed that may be vacant or derelict". It should be noted that Brownfield sites may not be contaminated. The guidance does not apply to Greenfield Sites however water companies may have their own assessment criteria which should be checked by the developer. The table below outlines the pipe material selection threshold concentrations.

Parameter group	Pipe Material (Threshold concentrations in mg/kg)					
	PE	PVC	Barrier pipe (PE-AL-PE)	Wrapped Steel	Wrapped Ductile Iron	Copper
Extended VOC suite by purge and trap or head space and GC-MS with TIC	0.5	0.125	Pass	Pass	Pass	Pass
+ BTEX + MTBE	0.1	0.03	Pass	Pass	Pass	Pass
SVOCs TIC by purge and trap or head space and GC-MS with TIC (aliphatic and aromatic C5-C10)	2	1.4	Pass	Pass	Pass	Pass
+ Phenols	2	0.4	Pass	Pass	Pass	Pass
+ Cresols and chlorinated phenols	2	0.04	Pass	Pass	Pass	Pass
Mineral oil C11-C20	10	Pass	Pass	Pass	Pass	Pass
Mineral oil C21-C40	500	Pass	Pass	Pass	Pass	Pass
Corrosive (Conductivity, Redox and pH)	Pass	Pass	Pass	Corrosive if pH <7 and conductivity >400µS/cm	Corrosive if pH <5, Eh not neutral and conductivity >400µS/cm	Corrosive if pH <5 or >8 and Eh positive
Specific suite identified as relevant following site investigation						
Ethers	0.5	1	Pass	Pass	Pass	Pass
Nitrobenzene	0.5	0.4	Pass	Pass	Pass	Pass
Ketones	0.5	0.02	Pass	Pass	Pass	Pass
Aldehydes	0.5	0.02	Pass	Pass	Pass	Pass
Amines	Fail	Pass	Pass	Pass	Pass	Pass

REQUIREMENTS OF PARTIES WITHIN THE DEVELOPMENT PROCESS

Interested parties involved in the development process may use the data in different ways and there may be varying views and interpretation of the factual data. Local Authority staff may have a view on contamination and human health and the wider environment. The Environment Agency are concerned principally with the protection of Controlled waters. Building insurers, funders and purchasers may be primarily concerned with issues of potential commercial blight. Purchasers are also not always fully informed, and perceptions on issues associated with risk can affect the decision to purchase. Developers and construction organisations will focus on financial aspects of dealing with the contamination in the context of the development and construction programme.

RISKS & LIABILITIES FROM CONTAMINATION

In simple terms, risks associated with contamination may be considered in terms of 1) statutory risks and 2) development related risks. If contamination is severe or forms a potential hazard based on its potential to affect groundwater, surface water or human health, a statutory risk may be present, and as such, if the risk is not reduced, criminal proceedings may be instigated by a government body or local authority.

If the contamination is less severe or not considered to be mobile, it may be considered a commercial liability which could, in theory remain untreated, but which may at a later date affect the value of the property, or, with changing legislation, become a statutory risk. Commercial liabilities could give rise to civil proceedings by third parties if there are grounds for action.

Appendix F

Notes on Limitations

♣Solmek conditions of offer, notes on limitations & basis for contract (ref: version1/2019)

These conditions accompany our tender and supercede any previous conditions issued. Solmek will prepare a report solely for the use of the Client (the party invoiced) and its agent(s). No reliance should be placed on the contents of this report, in whole or in part by 3rd parties. The report, its content and format and associated data are copyright, and the property of Solmek. Photocopying of part or all of the contents, transfer or reproduction of any kind is forbidden without written permission from Solmek. A charge may be levied against such approval, the same to be made at the discretion of Solmek. Solmek was a trading name of Hymas Geoenvironmental Ltd.

Solmek cannot be held liable and do not warrant, or otherwise guarantee the validity of information provided by third parties and subsequently used in our reports. Solmek are not responsible for the action negligent of otherwise of subcontractors or third parties.

Site investigation is a process of sampling. The scope and size of an investigation may be considered proportional to levels of confidence regarding the ground and groundwater conditions. The exploratory holes undertaken investigate only a small volume of the ground in relation to the overall size of the site, and can only provide a general indication of site conditions. The opinions provided and recommendations given in this report are based on the ground conditions as encountered within each of the exploratory holes. There may be different ground conditions elsewhere on the site which have not been identified by this investigation and which therefore have not been taken into account in this report. Reports are generally subject to the comments of the local authority and Environment Agency. The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that mobile contamination, ground gas levels and groundwater levels may vary owing to seasonal, tidal and/or weather related effects. Solmek cannot be held liable for any unrecorded or unforeseen obstructions between exploratory boreholes and trial pits. This includes instances where previous structures on the site (buried man made structures) or the presence of boulder clay (cobbles and/or boulder obstructions) have been anticipated. All types of piling operations should make allowance for obstructions within the construction budget to accommodate this. Unrecorded ancient mining may occur anywhere where seams that have been worked and influence the rock and soil above. Dissolution cavities can occur where gypsum or chalk is present. Rotary drilling is the recommended technique to prove the integrity of the rock.

Where the scope of the investigation is limited via access to information, time constraints, equipment limitations, testing, interpretation or by the client or his agents budgetary constraints, elements not set out in the proposal and excluded from the report are deemed to be omitted from the scope of the investigation.

Desk studies are generally prepared in accordance with RICS guidelines. Environmental site investigations are generally undertaken as 'exploratory investigations' in accordance with the definitions provided in paragraph 5.4 of BS 10175:2001 in order to confirm the conceptual assumptions. You are advised to familiarize yourself with the typical scope of such an investigation. No pumping of water will be undertaken unless a licence or facilities/equipment have been arranged by others.

Where the type, number or/and depth of exploratory hole is specified by others, Solmek cannot and will not be responsible for any subsequent shortfall or inadequacy in data, and any consequent shortfall in interpretation of environmental and geotechnical aspects which may be required at a later date in order to facilitate the design of permanent or temporary works.

All information acquired by Solmek in the course of investigation is the property of Solmek, and, only also becomes the joint property of the Client only on the complete settlement of all invoices relating to the project. Solmek reserve the right to use the information in commercial tendering and marketing, unless the Client expressly wishes otherwise in writing. The quoted rates do not include VAT, and payment terms are 30 days from dispatch of invoice from our offices. Quotes are subject to a site visit.

We have allowed for 1 mobilisation and normal working hours unless otherwise stated. The scope of the investigation may be reviewed following the desk study and/or fieldwork. The presence or otherwise of Japanese Knotweed or other invasive plants can be difficult to identify especially during winter months. If Japanese Knotweed or other invasive species are suspect, it should be confirmed by an ecologist. We have not allowed for acquiring services information, and cannot be responsible for damage to underground services or pipes not shown to us or not clearly shown on plans. Costs incurred will be passed on to you, and in commissioning Solmek you understand and accept that you/your agent have a contractual relationship with Solmek & you accept this. Our rates assume unobstructed, reasonably level and firm access to the exploratory positions and adequate clear working areas and headroom. We have priced on the basis that you or your client have the necessary permissions, wayleaves and approvals to access land. All boreholes and pits are backfilled with arisings except where gas monitoring pipes are installed with stopcock covers. Solmek are not responsible for any uneven surfaces as a result of siteworks and rutting and backfilled excavations may require re-levelling and/or making good by others after fieldwork is complete, and Solmek has not allowed for this. No price has been provided or requested for a return visit to remove pipework and covers. Hourly rates apply to consultancy only and do not include expenses unless otherwise shown. If warranties are required, legal costs incurred will be passed on to you assuming Solmek agree to complete such warranties, modified or otherwise and you understand and agree to pay all costs.

We reserve the right to pursue full payment of the invoice prior to release of any information including reports. We advise you/your client that we may elect to pursue our statutory rights under late payment legislation, and will apply 8% to the base rate for unreasonably late payments. Solmek are exempt from the CIS Scheme. Solmek offer to undertake work only in strict accordance with conditions covered by our current insurances, which are available for inspection. Solmek are not responsible for acts, negligent or otherwise of subcontractors and as a matter of policy cannot indemnify any other parties. Professional indemnity Insurance is limited to ten times the invoice net total except where stated otherwise by Solmek. Solmek give notice that consequential loss as a direct or indirect result of Solmek's activities or omission of the same are excluded.