PHASE 1 GEO-ENVIRONMENTAL GROUND INVESTIGATION
AT
LAND OFF
NANNY MARR ROAD, DARFIELD, BARNSLEY
ON BEHALF OF
PEVERIL SECURITIES LIMITED

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1.0 EXECUTIVE SUMMARY

1.1 Integra Consulting Engineers Ltd has been instructed by Peveril Securities Limited to undertake a Phase 1 geo-environmental ground investigation for land off Nanny Marr Road, Darfield, Barnsley. The Ordnance Survey national grid reference of the centre of the site is E441533, N404510.

1.2 It is the Clients' intention for the site to be developed into a mixed use development consisting of the erection of food retail units and associated parking with an area of residential development to the north for 35 dwellings. Consequently, the objectives of the report were to assess the probable geological and contaminated land conditions on and beneath the surface and to identify potential contaminants present at the site. A preliminary conceptual model was then to be developed to define the scope and extent of any further investigations deemed necessary.

1.3 The site is approximately 2.3 hectares in area and is located directly to the east of Nanny Marr Road, Darfield. The site currently consists of lightly vegetated land with trees and undulating topography with a Youth Centre located across the southern site section and is bound by housing on Coronation Street to the north, housing on Queen Street, Victoria Street and open land to the east, Barnsley Road to the south and Nanny Marr Road to the west.

1.4 The desk study carried out indicates that the site was developed from greenfield in the late 1930s into a school which was further expanded during the late 1940s and early 1960s prior to demolition in 2011. No significant off site uses were recorded in close proximity to the site.

1.5 After appraising the available historical and contemporary data including the BGS borehole information relating to the previous site investigation works, it is concluded that the site is at low risk of land contamination including ground gas.. Furthermore, no potential significant off site contaminative sources were recorded in proximity to the site.

1.6 Utilising the guidance stipulated in CIRIA 665 (2007) and CIRIA 552 (2001), the probability and consequence of the identified potential ground gas sources at the development is considered to result in a low level of risk. It is recommended that the site is assessed in accordance with the CL:AIRE Research Bulletin RB 17: *A Pragmatic Approach to Ground Gas Risk Assessment* (2012) to determine the requirement for ground gas monitoring and / or ground gas protection measures. This is subject to agreement with the relevant regulatory authority. Following a review of BRE 211 and HPA / BGS radon reports no radon protective measures are considered necessary at the post development site.

1.7 As a result of the information gathered from this report, there is a low potential risk to human health including ground gas and controlled waters at the current and proposed site mainly due to a lack of a contamination sources identified at the site. However, due to the highly sensitive nature of the site t further appraisal utilising chemical testing along with targeted and spatial chemical testing of any potential contaminative sources recorded onsite will be required. Consequently, a Phase 2 environmental intrusive investigation is deemed necessary.

1.8 Due to geotechnical requirements, site investigation works should be undertaken in order to determine the ground conditions with a greater degree of certainty and allow design of the proposed residential and retail unit foundations, drainage, services and external areas to be undertaken, it is recommended that trial pits are constructed across the site to primarily determine the depth of the underlying bedrock, made ground thickness and constituents. Following this shell and auger boreholes should be undertaken utilising the trial pit information to allow in-situ geotechnical density tests to be undertaken where appropriate at the site. Depending on the demolition specification, it may be prudent to undertake intrusive works to determine the presence of underlying obstructions associated with historic foundations / ground obstructions.

1.9 It should be noted that, if any visual or olfactory evidence of contamination is encountered during remediation or construction work, then the Local Authority Environmental Health Officer and Environment Agency should be contacted immediately in order to agree any necessary remediation measures.

2.0 INTRODUCTION

2.1 General

This Phase 1 geo-environmental ground investigation and report (Revision A) has been prepared at the request of Peveril Securities Limited.

Instructions to proceed with the original report were received in September 2013. Desk study work was undertaken between 21 October and 14 November 2013. The walk over survey was carried out on 14 November 2013. This revision has been undertaken on the basis of an alteration to the proposed development and the Client in October 2014.

This Phase 1 report is to be used for submission to the Local Authority as part of a planning application as it is the Client's intention for the site to be developed into a mixed use development consisting of the erection of food retail units and associated parking with an area of residential development to the north for 35 dwellings.

The proposed development plan is contained within Appendix 8. It should be noted that this plan is not frozen and is subject to change at a later date.

2.2 Previous Site Investigations

It is understood that no previous site investigation reports have been undertaken at the site.

3.0 BRIEF

The brief was to carry out a Phase 1 geo-environmental ground investigation for land off Nanny Marr Road, Darfield, Barnsley. The extent of the site is shown on the aerial photograph and site plans contained in Appendix 1. The investigation was to include for the following studies:

a) A desk study involving examination of available geological maps, BGS borehole logs, historical Ordnance Survey maps, environmental maps, previous site investigation work (when available) and accessible historical records to assess the probable geological and contaminated land conditions on and below the site.

b) A walk over study of the site to ascertain any evidence of previous and current site uses that may have caused contamination of the ground and surface waters at the site. During the walk over survey, the topography of the site was to be noted along with any land features that could give an indication of probable sub-surface features and formations.

c) Identify probable contaminants that may be present at the site using current contaminated land guidance and identify potential receptors which could be at risk from potential contaminants.

d) Develop a conceptual model for the site to assess the potential risks of contamination and to undertake a preliminary risk assessment.

e) Determine whether further investigation and assessment is required.

f) Define the scope and extent of further investigations.

A detailed report was to be provided to summarise findings and recommendations.

4.0 LIMITATIONS OF INVESTIGATION WORK AND REPORT

Desk Study References

The desk study has been produced using historical Ordnance Survey maps and environmental maps available at the time the report has been produced. The environmental information used was the current information available at the time of writing but there is no absolute guarantee of accuracy.

Historical Ordnance Survey maps do not provide a comprehensive description of a site's history. They provide details of the site from a date prior to the publication of the map (i.e. a snapshot in time). The period between map editions can be substantial (i.e. several decades). Not all map series are available for every date range in many areas of the UK and therefore there will be gaps in this mapped record for some sites. Potentially contaminative land uses could have been present and removed during such periods and may therefore not form a part of this particular record. In addition, there will be potentially contaminative land uses which are not identified on the map records such as small scale storage / use of hazardous materials, illegal / unlicensed waste disposal activities etc.

Different map series identify different features utilising different symbols which can result in features that remain on site being removed from maps. Some features are also not mapped for security reasons i.e. airfields and other military installations. These areas are mostly shown as blank areas on historical maps.

Exploratory Holes

Where the spacing of exploratory holes for future intrusive investigation work has been presented as part of this report, the spacing has been determined to provide a reasonable indication of the general ground conditions and extent of land / groundwater contamination on the site but the number has ultimately been limited by commercial constraints. The ground conditions at the proposed exploratory holes are no absolute guarantee of the ground conditions between such locations. Due allowance should be made for the possibility of variation in conditions between exploratory hole locations when preparing any assessments of the final foundation and land / groundwater remediation proposals.

Extent of Contamination Studies

This report is strictly limited to the nature of contamination contained within the ground and groundwater at the site. The report does not cover environmental aspects such as air or noise pollution and ground vibrations and the like. In addition, ecological matters relating to wildlife, flora and fauna have not been investigated as part of this report. In particular, the site has not been inspected for the presence or otherwise of Japanese Knotweed. It is recommended that the Client appoints a specialist in this subject to carry out a detailed inspection of the site if its presence is suspected.

Flooding

Flooding in this report is defined as flooding caused by the sea, ditches, rivers, streams, ponds, lakes, reservoirs and the like. It does not extend to flooding caused by surcharged piped drainage systems and investigations into flooding of this nature are excluded from this report.

5.0 THIRD PARTIES

This report has been prepared for the sole use of Peveril Securities Limited. It must not be copied or passed onto any third party or used for any purpose other than which it was prepared without the permission of the author. This report is copyright.

6.0 SCOPE OF INVESTIGATION WORK

6.1 Walk Over Survey

The site was visited during sunny and dry weather conditions and the objectives of the site walkover were, where applicable:

- to identify and assess visual and olfactory evidence of contamination e.g. staining of concrete / soils, odours, presence of gas protection measures etc;
- to identify locations of potential sources of contamination and assess their conditions i.e. tank location, presence / condition of secondary containment / bunds, location of fill points, process areas;
- to identify surrounding land uses and any potentially contaminating activities;
- to identify / verify the presence of potential receptors (on site and off site) which may be affected by identified sources;
- to obtain information on activities / procedures and standards of housekeeping etc.
- to assess site access and potential investigation locations and constraints.
- to assess any visual subsurface geotechnical features / anomalies e.g. foundations, made ground, subsidence etc

Photographs were taken of the site during the walkover survey and these photographs are contained in Appendix 2.

6.2 Desk Study Documentation

The following documents were obtained and examined during the desk study:

a) An aerial photograph of the site dated 2010. The photograph is contained in Appendix 1. It should be noted that the school noted on the aerial photograph was demolished since the photograph was taken with the exception of a small building utilised as a Youth Centre in the southern site section.

b) Historical Ordnance Survey maps as follows:

- 1:10560 dated 1854
- 1:2500 dated 1899
- 1:10560 dated 1894
- 1:2500 dated 1906
- 1:10560 dated 1906-1907
- 1:10560 dated 1931
- 1:2500 dated 1931
- 1:10560 dated 1938
- 1:10560 dated 1938-1948
- 1:10560 dated 1948
- 1:10000 dated 1955-1956
- 1:2500 dated 1962
- 1:10000 dated 1967
- 1:2500 dated 1971
- 1:1250 dated 1982
- 1:10000 dated 1980-1983
- 1:10000 dated 1989
- 1:1250 dated 1993
- 1:1250 dated 1993-1995
- 1:1250 dated 1996 (x2)
- 1:10000 dated 2006
- 1:10000 dated 2013

These maps are contained in Appendix 3.

c) Environmental maps obtained through Envirocheck as follows:

- Environment Agency and hydrological map dated 1999 - 2013
- Groundwater vulnerability map dated 1999
- Sensitive land uses map dated 1997 - 2013
- Summary maps showing locations of recorded waste sites, industrial land use sites and hazardous substances sites in adjacent areas.

These maps are contained in Appendix 4.

d) An environmental report obtained from Landmark, the environmental database company, which provides a list of recorded past and present activities at or adjacent to the site which could have an impact on the levels of contamination in the soils and groundwater at the site. This report is contained in Appendix 5.

e) The British Geological Survey (BGS) 1:10,000 solid and drift map (reference SE 40 SW). A part extract of the map covering the area under consideration is contained in Appendix 6. Fourteen BGS boreholes, constructed across the northern section of the site in 1971, were obtained - these borehole logs are contained in Appendix 6. The extracts have been copied under licence from the British Geological Society.

f) A Coal Authority mining Report for the site reference: 51000381808001. This report is contained within Appendix 6.

g) The Indicative Atlas of Radon for England and Wales published by the British Geological Survey and the Health Protection Agency was examined to assess the probable presence or otherwise of radon gas in the ground. Extracts of the relevant maps are contained in Appendix 7.

7.0 FINDINGS

7.1 Description of the Site

The site is approximately 2.3 hectares in area and is located directly to the east of Nanny Marr Road, Darfield as shown in the location plans in Appendix 1. The national Ordnance Survey grid reference for the centre of the site is E441533, N404510 and it is located at post code S73 9AB.

The site currently consists of lightly vegetated land with trees and undulating topography with a Youth Centre located across the southern site section and is bound by housing on Coronation Street to the north, housing on Queen Street, Victoria Street and open land to the east, Barnsley Road to the south and Nanny Marr Road to the west.

An aerial photograph of the site prior to works commencing is also contained in Appendix 1.

7.2 Walk Over Survey

During the walk over survey, the following features were noted relating to geology and contaminated land matters:

Geology

The site was noted to consist of lightly vegetated with the exception of sporadic trees across the western and central site sections which are noted to be mature and in excess of 10m in height.

The site ground was firm underfoot.

During the site walkover it was noted that the natural topography sloped from the western site boundary towards the eastern site boundary with the exception of areas disturbed by the previous onsite school development. For instance, cuttings into the natural strata are noted across the northern site section which has resulted in steep 2.5m to 3m high slopes.

Numerous service covers were noted across the site including drainage, gas etc although it is noted that the non-drainage services have been disconnected.

Contaminated Land

No potential contaminative sources were identified at the site.

Photographs taken during the walkover survey are contained in Appendix 2.

7.3 Geology

The BGS 1:10,000 geological map of the area shows the site to be underlain by Mexborough Rock (sandstone). No superficial deposits are noted on the map.

An extract of the geological map is contained in Appendix 6.

7.3.1 BGS Borehole Logs

Fourteen BGS borehole logs were obtained located across the northern section of the site. These boreholes were undertaken in August 1971 and are anticipated to be associated with the development of the school across this area. The topography recorded within these boreholes is noted to be uniform and recorded the following ground conditions:

- TOPSOIL / TARMAC to a depth of between 0.25m and 0.53m underlain by
- Light brown / brown, slightly clayey to very clayey, occasionally silty SAND with sandstone fragments to a depth of between 1.4m and 1.98m underlain by
- Weathered SANDSTONE to a depth of between 2.82m and 3.43m below ground level, where the boreholes are terminated.

No groundwater was recorded within any of the borehole constructions.

Standard Penetration Tests were undertaken within the boreholes and the sand recorded N-Values between 14 and 52 and the underlying sandstone recorded N-Values between 61 and 151. The N-Values typically increased with depth through each strata / borehole depth. The BGS borehole logs are contained in Appendix 6.

7.4 Site History

The site development history has been researched with reference to historical maps and street plans. These are included in Appendix 3 to this report and the principal observations, divided into site and off site history are summarised below.

Site History

Dates	Site Features
1854 - 1938	The site is noted to be open land with a footpath located across the site from the south west to the eastern site boundary. By 1906, the northern site section is noted to be allotment gardens and the southern section by 1931 is noted as a recreational field.
1938 - 2011	The southern and central site section is noted to have been developed as a school (Darfield Foulstone) with an access road crossing the central section of the site running west to east. By 1962, further expansion of the school has occurred across the southern section. By 1948, the northern section of the site is noted as a football ground which by 1982 was redeveloped into an extension of the existing school to the south with associated earthworks recorded. An electrical sub-station is noted in 1971 on the southern extremity of the site.
2011 - 2013	With the exception of a Youth Centre the site buildings have been demolished.

Off Site History

The majority of the off site history consisted of rural and more recently residential land, with the exception of:

- A ‘works’ located approximately 130m east of the site.

7.5 Waters and Flooding

Environmental data relevant to the site and its immediately surrounding area has been obtained from sources available in the public domain. In addition, an environmental report was obtained from Landmark, the commercial suppliers of environmental data. The Landmark report and associated maps that have been inspected are presented in Appendices 4 and 5 and the principal observations in relation to waters and flooding can be summarised as follows:

Flooding

- The site is located within an area designated as Flood Zone 1.

Surface Water

- The nearest surface water feature is located approximately 390m east and relates to the River Dearne.
- No surface water abstraction points are noted within influence of the site.
- The River Dearne is classified as a River Quality C and Biological Quality Grade D approximately 440m east of the site.

Hydrogeology

- The site is underlain by bedrock which is classified as a high permeability Secondary A (minor) aquifer of intermediate leaching potential.
- The site is not located within 1km of a Source Protection Zone.
- There are no groundwater abstraction points within 1km of the site.

Pollution Incidents to Controlled Waters

- No recent significant pollution incidents have occurred to controlled waters within 250m of the site.

7.6 Hazardous Installations, Landfill and Waste

The following information relating to hazardous installations, landfill and waste obtained from the Landmark report, published information and the walkover survey can be summarised as follows:

- The site is located approximately 150m north of a Substantiated Pollution Incident in January 2005 relating to an 'impact to land of construction materials and potentially asbestos waste'.
- The site is located approximately 150m north of a Scrapyard noted to be associated with metal scrap. No liquid wastes are authorised at the site.
- A former BGS mineral site is noted to be located approximately 160m south west of the site utilised for the removal of the underlying bedrock (Mexborough Rock).
- There are no Local Authority Pollution Prevention and Controls (LAPPC) located within 250m of the site.

- There are no recorded historic landfills or registered contemporary landfills sites within 250m of the site.
- There are no contemporary potentially contaminative industrial land uses (including petrol filling stations) within 250m of the site.

- BGS Estimated Soil Chemistry indicated the following concentrations of the selected determinands across the site envelope:
    - Arsenic <15mg/kg
    - Cadmium <1.8mg/kg
    - Chromium 40 – 60mg/kg
    - Lead <150mg/kg
    - Nickel 15 – 30mg/kg

7.7 Mining

7.7.1 Coal / Fireclay Mining

A Coal Authority Mining Report was obtained as the site lies within a recognised coalfield. The report states that the site is in the likely zone of influence from workings in 7 No. seams of coal at a depth of 230m to 720m depth, and last worked in 1988. Any ground movement from these coal workings should have stopped by now.

A damage notice or claim for alleged subsidence damage was made in April 1995 for a fissure on a sports area of Darfield Foulstone High School. However, the claim was rejected.

There is no current Stop Notice delaying the start of remedial works or repairs to the property. There are a further 7 claim(s) within 50 metres of the property boundary that do not match the property address.

7.7.2 Brine Extraction

The site lies outside a recognised salt / brine extraction area.

7.8 Radon

The Indicative Atlas of Radon in England and Wales produced by the Health Protection Agency and British Geological Survey indicates that the site lies in an area where <1% of homes are affected by radon at or above the Action Level. Consequently, the site requires no radon protective measures.

Map 14 of the Indicative Atlas of Radon in England and Wales contains information on the region in which the site is located and is presented in Appendix 7.

8.0 CONCLUSIONS

8.1 General

As a result of undertaking a walkover survey of the site and reviewing the documented historical activities including the BGS borehole information relating to the previous site investigation works, it is concluded that the site is at low risk of land contamination including ground gas and low to moderate risk of potential geotechnical discontinuities resulting from previous site use could affect the proposed development.

Proposed Development

As stated in section 2.1 of this report, it is the Clients' intention that the proposed development will consist of erection of food retail units and associated parking with an area of residential development to the north for 35 dwellings.

The proposed development plan is contained within Appendix 8.

8.2 Geology

The desk study carried out indicates that the site is anticipated to be underlain by an unknown thickness of made ground which is anticipated to consist of demolition materials and re-worked natural strata (sand) underlain by brown, clayey sand to a depth of approximately 2m underlain by weathered sandstone.

In order to determine the ground conditions with a greater degree of certainty and allow design of the proposed residential and retail unit foundations, drainage, services and external areas to be undertaken, it is recommended that trial pits are constructed across the site to primarily determine the depth of the underlying bedrock, made ground thickness and constituents. Following this shell and auger boreholes should be undertaken utilising the trial pit information to allow in-situ geotechnical density tests to be undertaken where appropriate at the site.

Depending on the demolition specification, it may be prudent to undertake intrusive works to determine the presence of underlying obstructions associated with historic foundations / ground obstructions.

8.3 Contaminated Land Legislative Framework

The assessment of contaminated soils is carried out within the current legal framework, which is based upon the Environmental Protection Act Part 2A and current national planning guidelines. Under this framework, the potential contamination of a proposed development site is a material planning consideration. In addition, land that is deemed harmful to human health or has the potential to pollute waters can be designated as contaminated land and appropriate remediation can be enforced by the Local Authority.

Following the "Way Forward" report undertaken by Department for Environment, Food and Rural Affairs (DEFRA) a new approach to land contamination was issued by DEFRA and the Environment Agency (EA). Two documents have been produced which supersede the previous Contaminated Land Reports (CLR) 7 – 10. The two reports are 'Human health toxicological assessment of contaminants in soil' (formerly CLR 9) and 'Updated technical background to the CLEA model' (formerly CLR 10) and other supporting documentation including revised toxicological reports.

Broadly, the approach consists of preparation of conceptual models to illustrate how potential contamination (source) can reach (through a pathway) humans or receptors (targets). As a result of these conceptual models, each of which are site specific, a risk analysis can be carried out to determine the frequency of testing to establish levels of source contamination, possible mobility of those contaminants and the potential hazards those mobilised contaminants could cause to human receptors. In addition to direct human receptors, water courses, aquifers and agricultural resources must be considered as these are potential indirect pathways to humans.

The government is part way through the publication of a number of updated toxicological reports and associated updated Soil Guideline Values which give guidance on acceptable soil contamination for a limited number of contaminants and further authoritative guidance on the toxicity of other contaminants for risk assessment purposes. As of March 2009, updated toxicological reports and revised Soil Guideline Values have been published for the following determinands:

- Arsenic
- Nickel

- Selenium
- Benzene
- Toluene
- Ethylbenzene
- Mercury (elemental, methyl and inorganic)
- Xylene (O, M and P)
- Cadmium
- Phenol
- Dioxins, furans etc.

Where no updated toxicological reports or Soil Guideline Values are available, the existing toxicological reports and associated Soil Guideline Values will naturally be used to classify the risk and toxicity posed by the selected determinands. In addition, where updated Soil Guideline Values and/or toxicological reports are not available, guidance is available from the Environment Agency on acceptable methods of assessing human health risks utilising recognised methodology developed in the UK and abroad. The means available to assess human health risks and to be utilised on this site are as follows:

Assessment	**Means**
Production of conceptual models	Human health toxicological assessment of contaminants in soil and Contaminated Land Report 11
Scope of contamination testing	Human health toxicological assessment of contaminants in soil (2009) and DEFRA Industry Profiles
Contamination sampling rates	Contaminated Land Report 4
Laboratory testing	MCERTS Accreditation
Acceptable contamination levels for Arsenic, Nickel, Mercury, Selenium, Ethylbenzene, Toluene, Benzene, Cadmium, Phenol and Xylenes	Updated Published Soil Guideline Value Reports (March 2009 onwards)
Acceptable contamination levels for Chromium and Lead.	Current Published Soil Guideline Value Reports (2002 – 2004)
Acceptable levels for other contaminants except cyanide and except where the conceptual model includes dermal absorption	LQM CIEH (2nd Edition 2009) / CL:AIRE (GAC January 2010)
Acceptable contamination levels for cyanide and where the conceptual model includes dermal absorption	Updated technical background to the CLEA model
Assessment of Total Petroleum Hydrocarbons within the above framework as adopted by the Environment Agency	Total Petroleum Hydrocarbon Criteria Working Group and updated technical background to the CLEA model
Acceptable contamination levels for selected aqueous determinands	Environmental Quality Standards (EQS), UK Drinking Water Standards (UK DWS) and The River Basin Management Plans.

8.4 Sources of Contamination and Probable Contaminants

The site was developed from greenfield in the late 1930s into a school which was further expanded during the late 1940s and early 1960s prior to demolition in 2011. These site uses are considered not to present a significant potential contaminative land-use.

Evidence obtained from the historical Ordnance Survey maps, the Envirocheck report and anecdotal evidence indicates that:

- The northern section of the site was subject to earthworks, although the works are anticipated to have involved the natural superficial deposits and consequently are regarded to be of low contaminative potential
- A removed substation is noted in the southern extremity of the site.

The offsite scrap yard (which does not accept liquid wastes) and the substantiated pollution incident both located approximately 150m from the site and are not regarded as significant potential contaminative sources for the site due to a lack of proximity and contaminative potential.

It is likely that pesticides were utilised on-site associated with the allotment gardens in the 1900s, however due to the age of the potential use and if used according to manufacturers instructions the use of such should not have resulted in any significant contamination legacy.

There is no evidence to suggest notable use of hydrocarbon storage on site.

8.5 Pathways for Contamination

<u>Waters</u>

The site is typically overlain by high permeability brown, clayey sand consequently the vertical migration of potential unrecorded contamination towards the underlying Secondary A aquifer is regarded as the principal pathway.

Site Occupants

The pathways along which contamination could potentially reach the targets on site during use and after completion of development works are detailed in 'Updated Technical Background to the CLEA Model' (Environment Agency 2009) and can be summarised as follows:

a) Ingestion of soil directly and indoor dust *
b) Consumption of home grown produce and attached soil
c) Inhalation of soil dust (indoor and outdoor)
d) Dermal contact with soil (indoor and outdoor)
e) Inhalation of soil vapours (indoor and outdoor)
f) Oral background
g) Inhalation background

** Treated as one pathway*

For the southern 'commercial / industrial' section of the site, pathway b) above, consumption of home grown produce and attached soil, is not regarded as applicable. Furthermore, depending on the type on contamination and hardstanding nature of the site, it may ultimately be appropriate to remove further pathways from the conceptual model.

With respect to the 'commercial / industrial' scenario the exposure pathways (dermal, oral background and indirect / direct ingestion) for the identified contaminative sources are effectively eliminated through the hard landscaped nature of the site, negating any direct or indirect contact between any contamination and the current / proposed site occupants. However, the dermal, oral and ingestion exposure pathways are still present for ground workers, service pipes (permeation) and within the proposed minor areas of soft landscaping. Accordingly, these exposure pathways have been included within the site conceptual model but are not considered to be significant. The aforementioned pathways can be negated, hence removed from the site conceptual model if appropriate Personal Protective Equipment (PPE) is utilised by ground workers and appropriate service pipes are utilised. These exposure pathways are not deemed to be significant for the areas of proposed public open space.

8.6 Targets of Contamination

Targets for these pathways include the following:

a) Homeowners
b) Construction workers
c) The general public
d) Groundwater contained within Secondary A Aquifer (bedrock)
e) Subsurface plastic e.g. potable plastic water pipe
f) Building fabric e.g. concrete foundations etc

Due to the lack of proximity no surface water features are regarded as receptors at the site.

8.7 Conceptual Model for Human Health Risk Assessment

On the basis that minimal potential contaminative sources have been identified it is felt that the site is at low risk of widespread contamination which may effect the future development.

However, due to the historic presence of an electrical substation on the site targeted chemical testing should be undertaken together with spatial testing across the site. The spatial testing across the northern section (proposed residential) should be undertaken on an increased density than the southern section (proposed retail development) due to the increased proposed end use sensitivity.

The chemical testing suite will incorporate metals, semi-metals, inorganics, hydrocarbons including polycyclic Aromatic Hydrocarbons (PAHs).

PCBs will be tested for in the location of the former electrical sub-station.

Furthermore, asbestos testing will be undertaken from made ground deposits at the site.

CONTAMINANT	PATHWAY	RECEPTOR
Arsenic Barium Chromium total / $^{5+}$ Vanadium Beryllium Cadmium Copper Lead Nickel Zinc Boron Selenium Mercury Cyanide Total Petroleum Hydrocarbons Polycyclic Aromatic Hydrocarbons	Ingestion of contaminated soil and dust (indoor and outdoor)	Human occupant & construction worker
	Dermal contact with contaminated soil (outdoor and indoor)	
	Inhalation of contaminated dust (indoor and outdoor)	
	Consumption of home grown produce and attached soil	Human occupants consuming home-grown vegetables.
Sulphate Cyanide	Direct contact with building fabric	Fabric of buildings on and off site
	Consumption of home grown produce and attached soil	Human occupants consuming home-grown vegetables.
pH	Direct contact with building fabric	Fabric of buildings on and off site
Total Petroleum Hydrocarbons Polycyclic Aromatic Hydrocarbons	Inhalation of soil vapours (indoors and outdoors)	Human occupants & construction workers
	Permeation	Subterranean plastic service pipes
Asbestos	Inhalation of contaminated dust (indoor and outdoor)	Human occupants & construction workers

8.7.1 Conceptual Model for Ground Gas Risk Assessment

The site and adjacent off site areas contain potential ground gas sources in the form of:

- Off site suspected infilled BGS mineral site located approximately 160m south west
- Shallow made ground deposits (unknown constituents and quantity) risk
- Underlying coal measures

However, due to the presence of the overlying granular highly permeable deposits the off site sources, which are not regarded to be a significant source, are deemed to be of negligible risk due to the preference for vertical migration into atmosphere off site. Furthermore, the onsite made ground deposits (re-worked natural deposits) together with the coal measures (in excess of 200m) are not regarded to be significant sources of potential ground gas.

Utilising the guidance stipulated in CIRIA 665 (2007) and CIRIA 552 (2001), the probability and consequence of the identified potential ground gas sources at the development is considered to result in a low level of risk. It is recommended that the site is assessed in accordance with the CL:AIRE Research Bulletin RB 17: *A Pragmatic Approach to Ground Gas Risk Assessment* (2012) to determine the requirement for ground gas monitoring and / or ground gas protection measures. This is subject to agreement with the relevant regulatory authority.

If any previously unrecorded potential ground gas sources are recorded during the site investigation works, for instance organic soils (peat), then further appropriate ground gas monitoring will naturally be undertaken.

8.8 Conceptual Model For Waters Risk Assessment

On the basis that no significant widespread contamination is envisaged across the site the risk posed by contaminative sources is regarded as low.

Furthermore, the site is underlain by a Secondary A (minor) aquifer overlain typically by permeable brown, clayey sand which is underlain at shallow depth by bedrock (sandstone).

However, it is not anticipated that the site will contain significant concentrations of potentially detrimental determinants, it is proposed to validate this assertion by solid contamination testing of the made ground along with chemical testing of the underlying perched / shallow ground water (if within influence of the made ground).

CONTAMINANT	PATHWAY	RECEPTOR
Arsenic Barium Chromium Vanadium Beryllium Cadmium Copper Lead Mercury Nickel Zinc Boron Selenium Total Petroleum Hydrocarbons Polycyclic Aromatic Hydrocarbons pH Sulphate	Migration through ground vertically into groundwater (TBC)	Groundwater within Secondary A aquifer Discharges from groundwater, e.g. springs
	Overland flow and then migration through ground vertically into groundwater (TBC)	

8.9 Preliminary Risk Assessment Summary

Human Health and Waters

There is a low potential risk to controlled waters and human health including ground gas due to the lack of previous contaminative site uses and the anticipated relatively chemically inert nature of the made ground material across the site.

8.10 Scope of Intrusive Geo-Environmental Ground Investigation

The geo-environmental site investigation should include the excavation of trial pits across the site to enable environmental analysis and associated targeted chemical testing, geotechnical analysis and samples to be collected enabling the appraisal of the ground conditions to be undertaken. If deemed necessary due to the presence of shallow underlying bedrock, the installation of boreholes should be undertaken to obtain relevant insitu and exsitu testing / samples.

As discussed, chemical testing including solid and leachate testing should be undertaken on a spatial basis with targeted chemical testing where relevant.

Prior to undertaking site works, the nature and extent of the proposed environmental testing should be confirmed with the relevant Local Authority Environmental Health Officer and the Environment Agency based on proposed development plan contained within Appendix 8 or relevant plan.

9.0 RECOMMENDATIONS

9.1 As a result of the information gathered from this report, there is a low potential risk to human health including ground gas and controlled waters at the current and proposed site mainly due to a lack of a contamination sources identified at the site. However, due to the highly sensitive nature of the site together with potential unknowns it is deemed necessary to undertaken chemical testing across the site. Consequently, a Phase 2 environmental intrusive investigation is deemed necessary.

9.2 Due to geotechnical requirements, site investigation works should be undertaken in order to determine the ground conditions with a greater degree of certainty and allow design of the proposed residential and retail unit foundations, drainage, services and external areas to be undertaken, it is recommended that trial pits are constructed across the site to primarily determine the depth of the underlying bedrock, made ground thickness and constituents. Following this shell and auger boreholes should be undertaken utilising the trial pit information to allow in-situ geotechnical density tests to be undertaken where appropriate at the site. Depending on the demolition specification, it may be prudent to undertake intrusive works to determine the presence of underlying obstructions associated with historic foundations / ground obstructions.

9.3 Utilising the guidance stipulated in CIRIA 665 (2007) and CIRIA 552 (2001), the probability and consequence of the identified potential ground gas sources at the development is considered to result in a low level of risk. It is recommended that the site is assessed in accordance with the CL:AIRE Research Bulletin RB 17: *A Pragmatic Approach to Ground Gas Risk Assessment* (2012) to determine the requirement for ground gas monitoring and / or ground gas protection measures. This is subject to agreement with the relevant regulatory authority. Following a review of BRE 211 and HPA / BGS radon reports no radon protective measures are considered necessary at the post development site.

9.4 From the results of the geotechnical intrusive works, the type of foundation construction and associated capacities can be calculated and the type of highway and drainage constructions can be established.

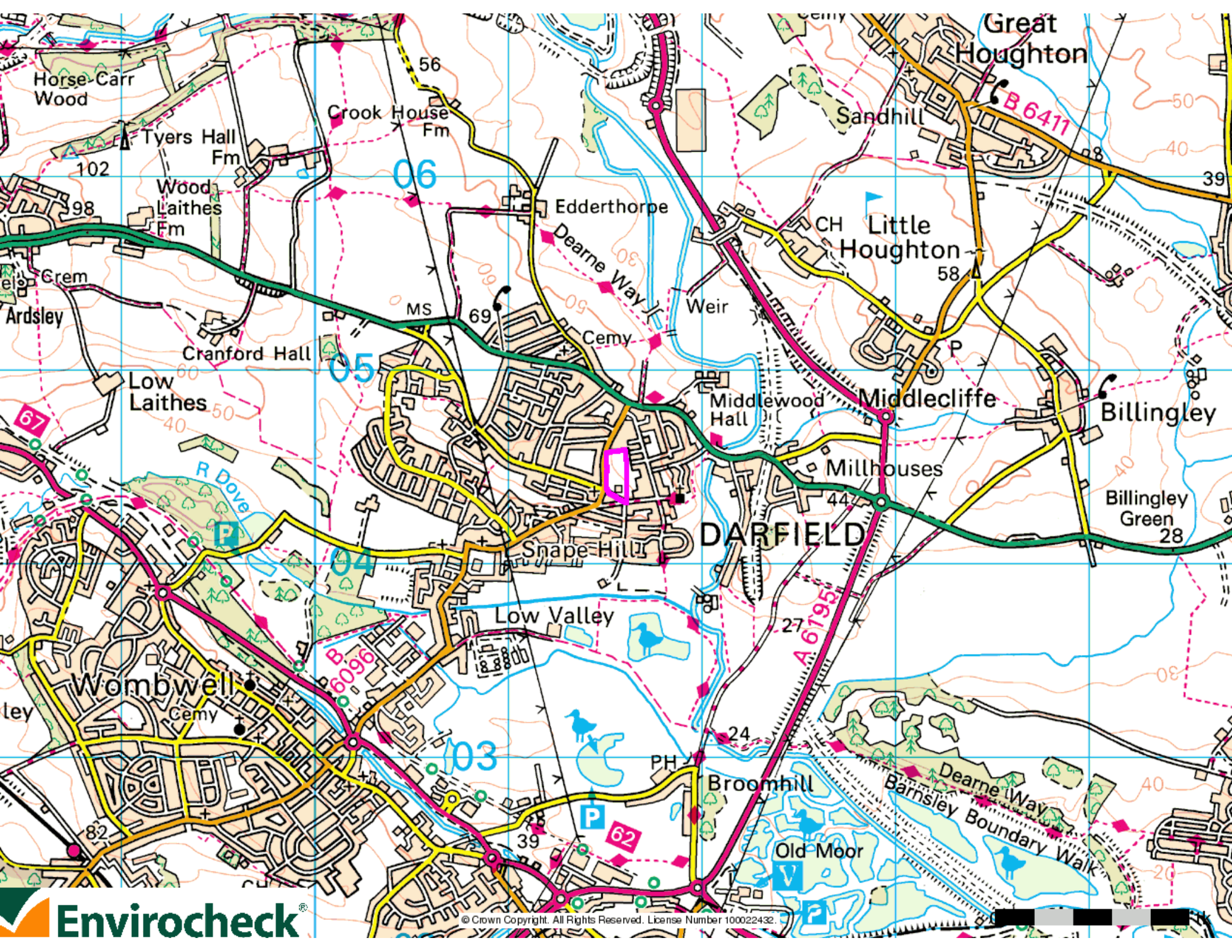
9.5 The nature and extent of the proposed targeted chemical and environmental testing should be confirmed with the relevant Local Authority Environmental Health Officer and the Environment Agency prior to undertaking works on site.

9.6 It should be noted that, if any visual or olfactory evidence of contamination is encountered during remediation or construction work, then the Local Authority Environmental Health Officer and Environment Agency should be contacted immediately in order to agree any necessary remediation measures.

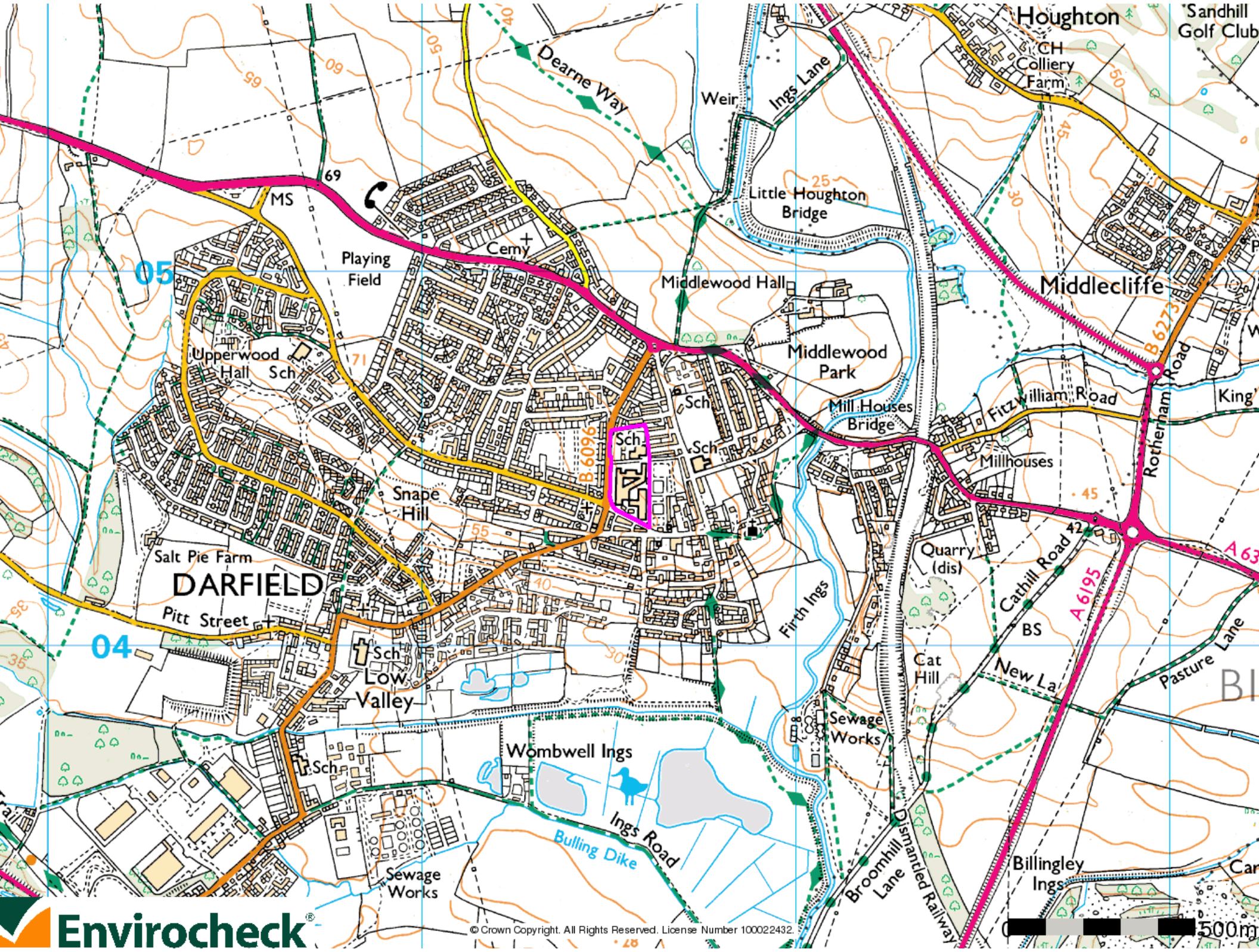
APPENDIX 1

SITE LOCATION PLANS AND AERIAL PHOTOGRAPH

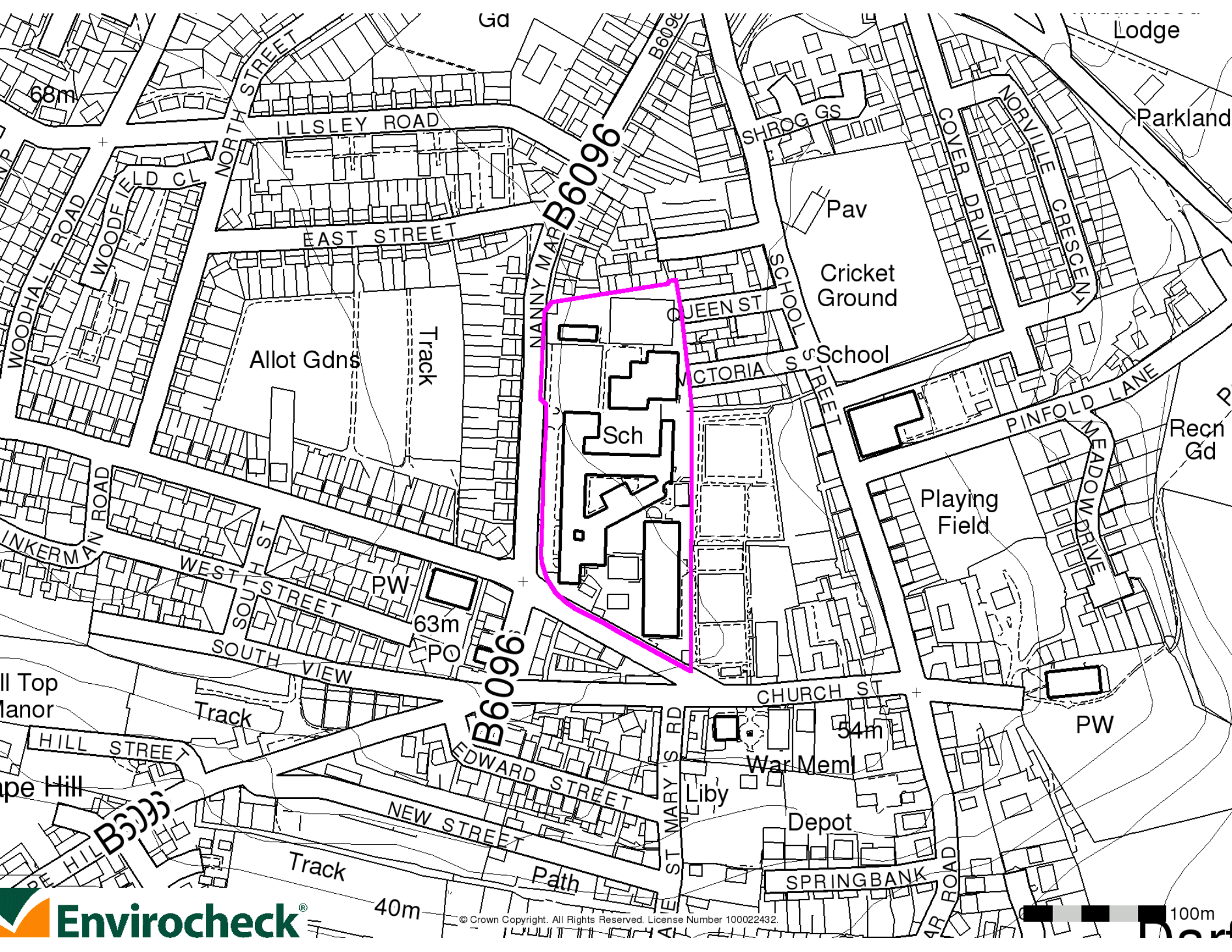

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Gd
Lodge
68m
NORTH STREET
ILLSLEY ROAD
B6096
SHROG GS
COVER DRIVE
NORVILLE CRESCENT
Parkland
WOODFIELD CL
WOODHALL ROAD
EAST STREET
Pav
Cricket Ground
NANNY MAR
QUEEN ST
SCHOOL
Allot Gdns
Track
Sch
School
VICTORIA STREET
PINFOLD LANE
Recn Gd
Playing Field
MEADOW DRIVE
INKERMAN ROAD
WEST ST
SOUTH STREET
PW
63m
PO
SOUTH VIEW
B6096
CHURCH ST
PW
ll Top
Manor
Track
HILL STREET
54m
War Meml
EDWARD STREET
ST MARY'S RD
Liby
Depot
NEW STREET
B3133
Track
Path
SPRINGBANK
40m
100m
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APPENDIX 2

WALK OVER SURVEY PHOTOGRAPHS



Plate 1: Shows the western (left), northern and central site section. Trees are located across the western boundary and central site section. The majority of the site is lightly vegetated.



Plate 2: Shows the eastern (right), northern and central site section. The majority of the site is lightly vegetated and the natural topography slopes from west to east with man made undulations as a result of the previous site development.



Plate 3: Shows the man made topographical cutting on the northern site boundary which is approximately 2.5m to 3m lower than the land abutting to the west.



Plate 4: Shows the man made slope formed as part of the previous site use as a school prior to demolition noted in Plate 3 in the northern site section.



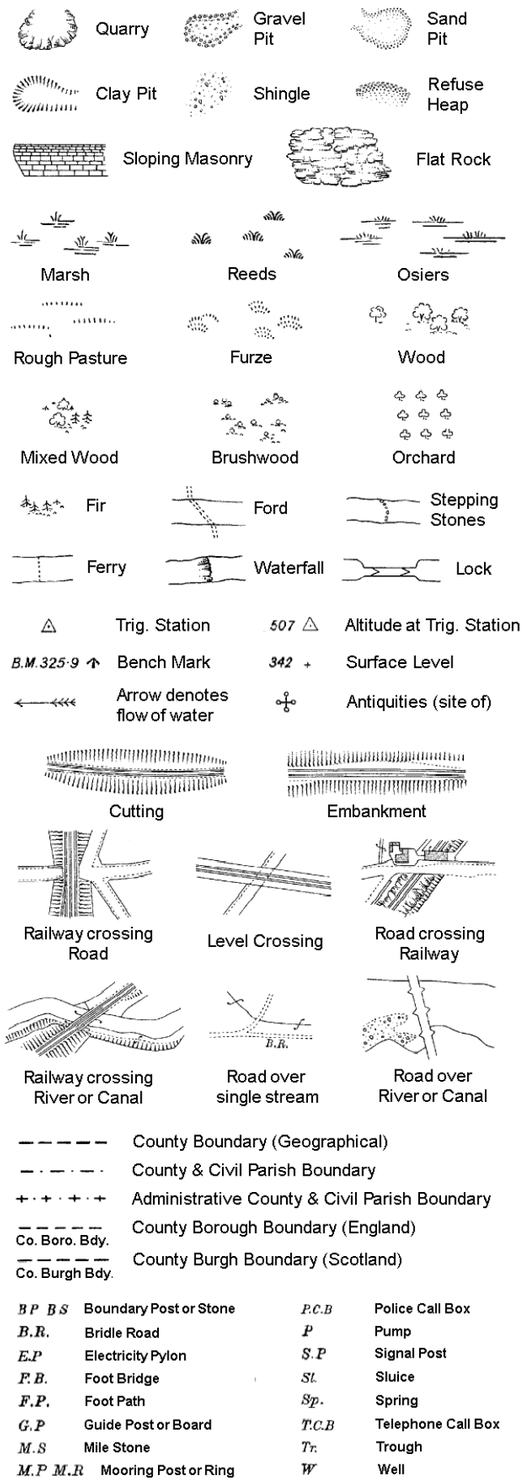
Plate 5: Shows the sole existing site structure (former Youth Centre) located across the southern site section.

APPENDIX 3

HISTORICAL ORDNANCE SURVEY MAPS

Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

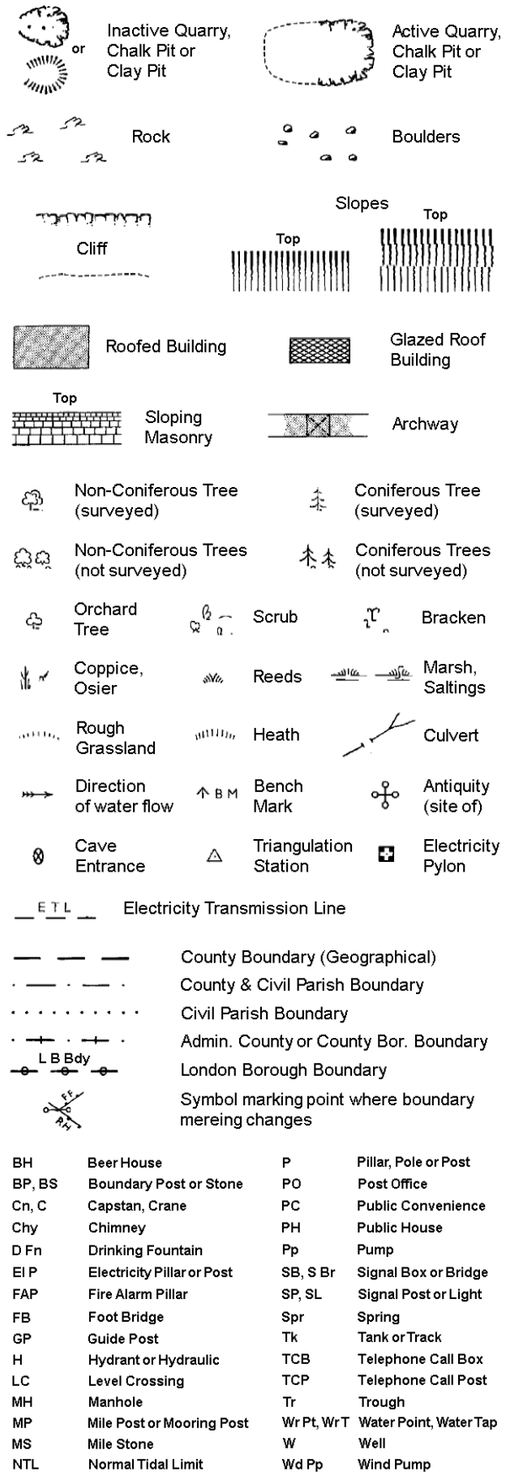
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	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	St.	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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

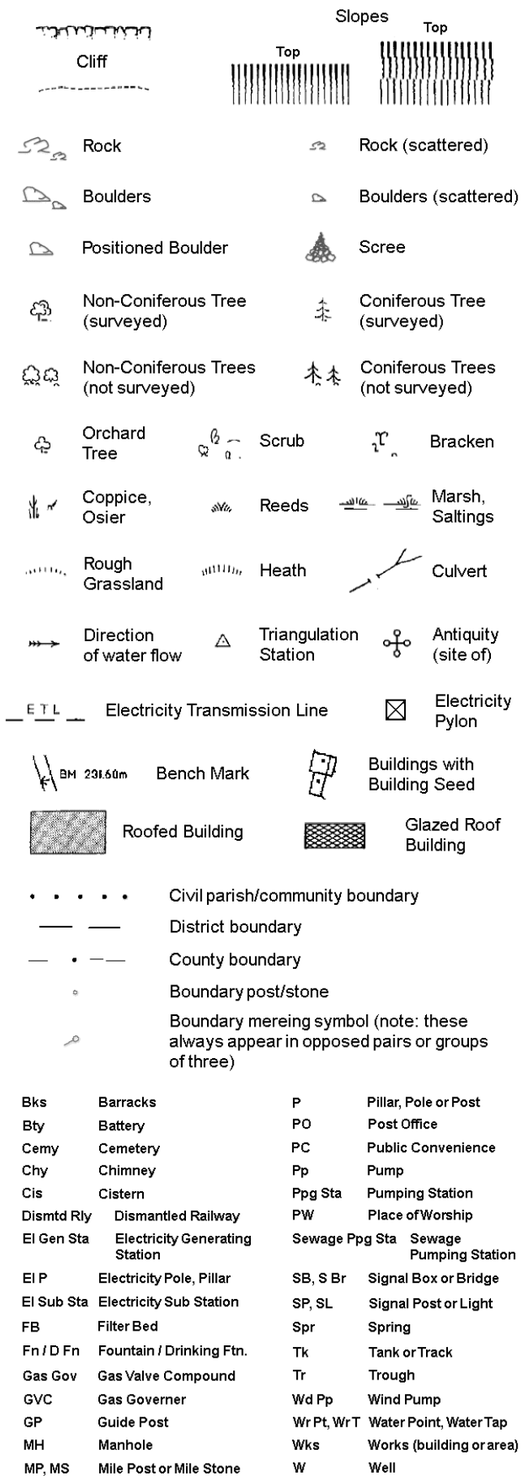
Admin. County or County Bor. Boundary

L B Bdy 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
El 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



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)

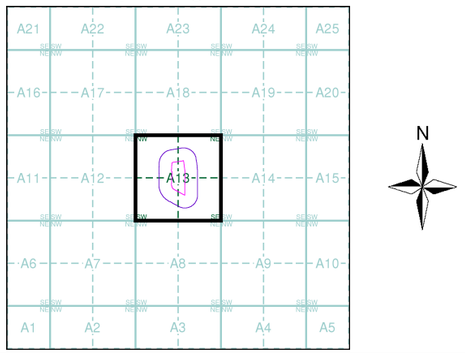
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1893	2
Yorkshire	1:2,500	1906	3
Yorkshire	1:2,500	1931	4
Ordnance Survey Plan	1:2,500	1962	5
Ordnance Survey Plan	1:2,500	1971	6
Ordnance Survey Plan	1:1,250	1982	7
Large-Scale National Grid Data	1:1,250	1993	8
Large-Scale National Grid Data	1:1,250	1993 - 1995	9
Large-Scale National Grid Data	1:1,250	1996	10
Large-Scale National Grid Data	1:1,250	1996	11

Historical Map - Segment A13



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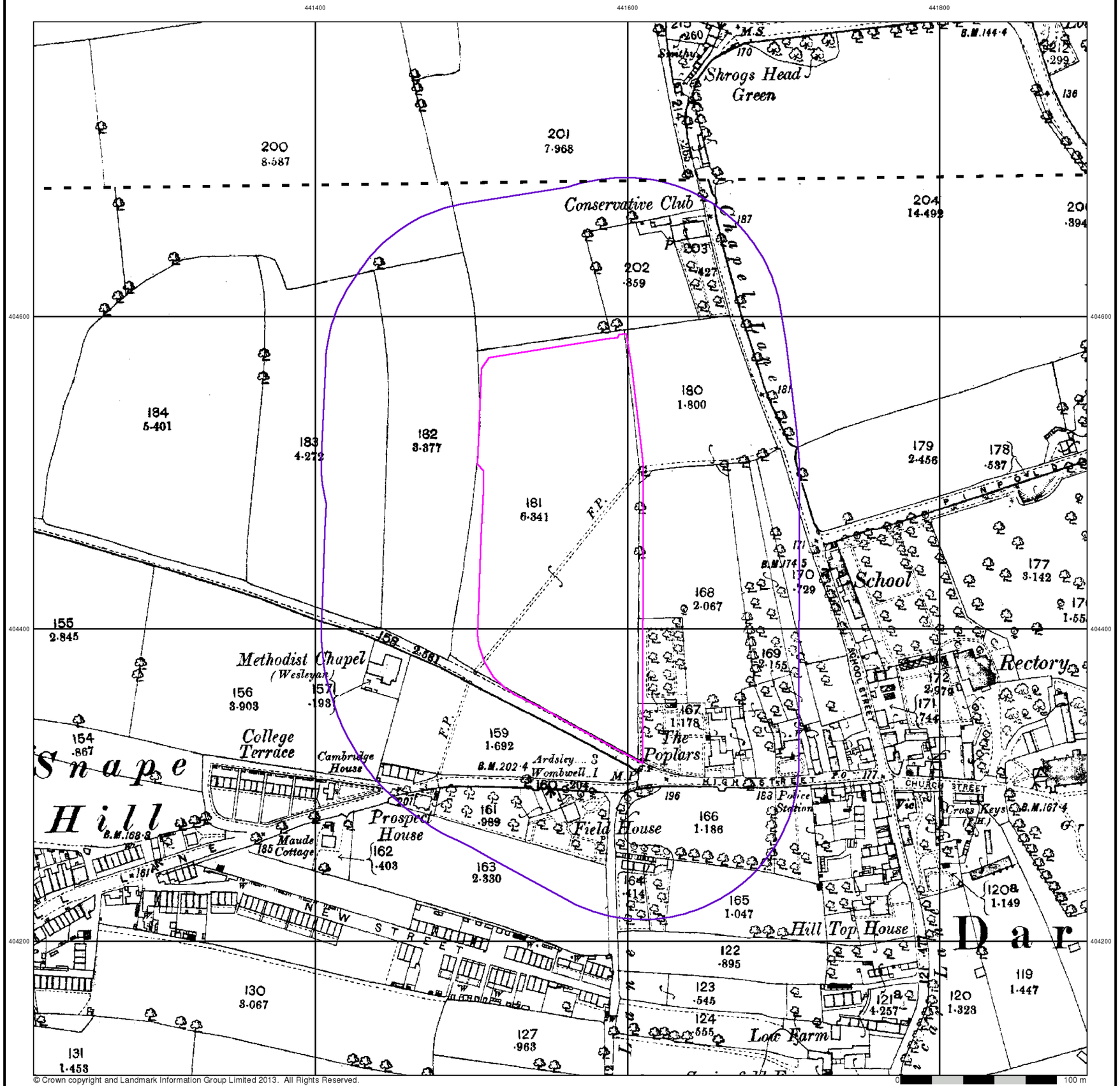
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Site Area (Ha):	2.45
Search Buffer (m):	100

Site Details

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Yorkshire

Published 1893

Source map scale - 1:2,500

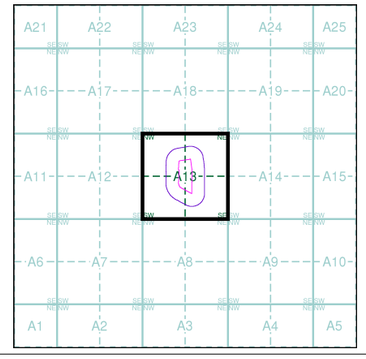
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Map Name(s) and Date(s)

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1893
1:2,500

275_14
1893
1:2,500

Historical Map - Segment A13



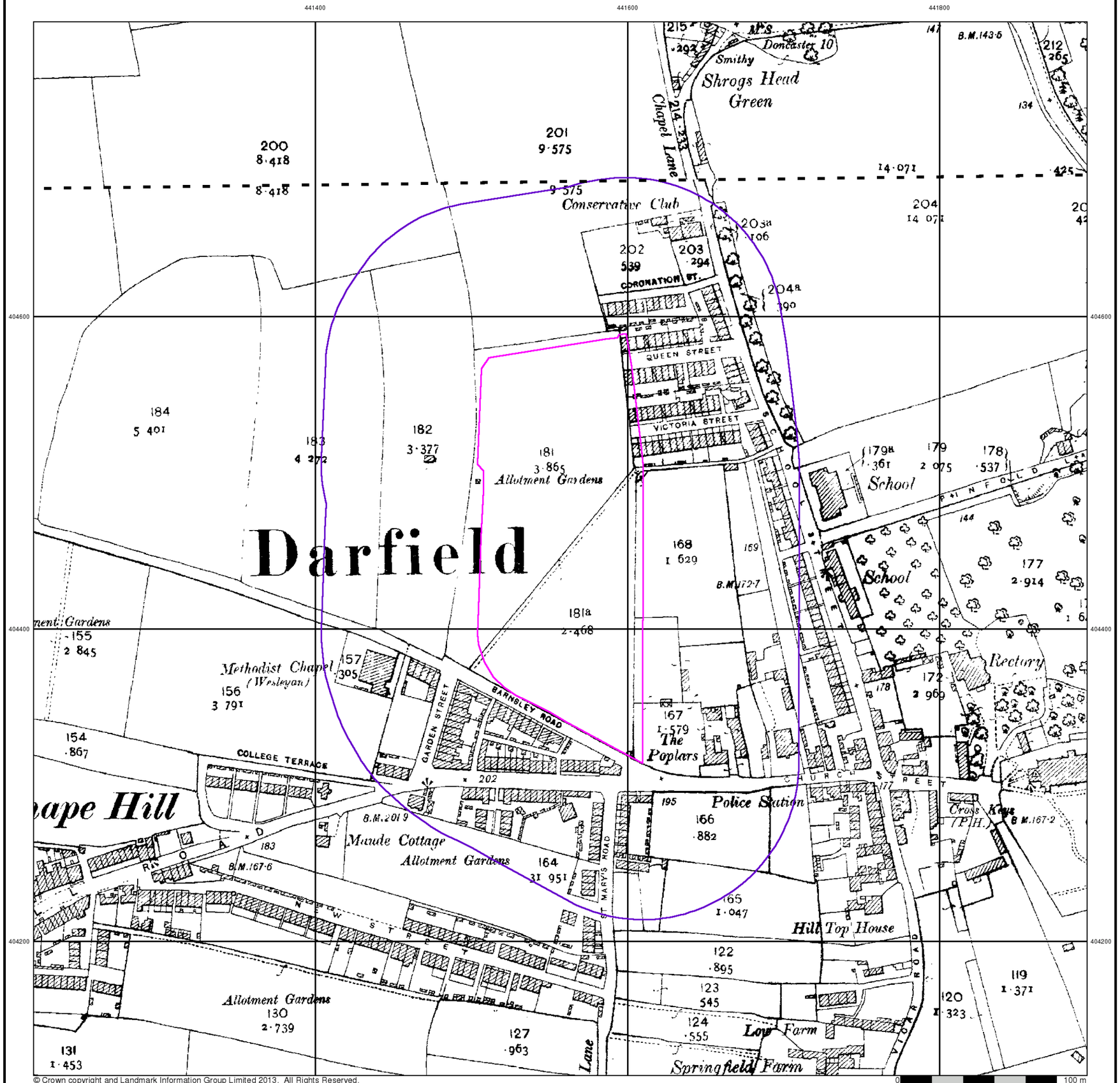
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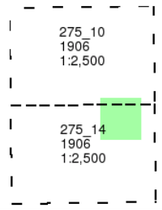
Yorkshire

Published 1906

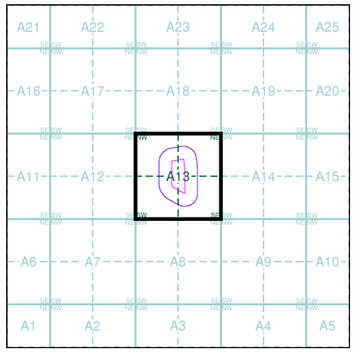
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Map Name(s) and Date(s)



Historical Map - Segment A13



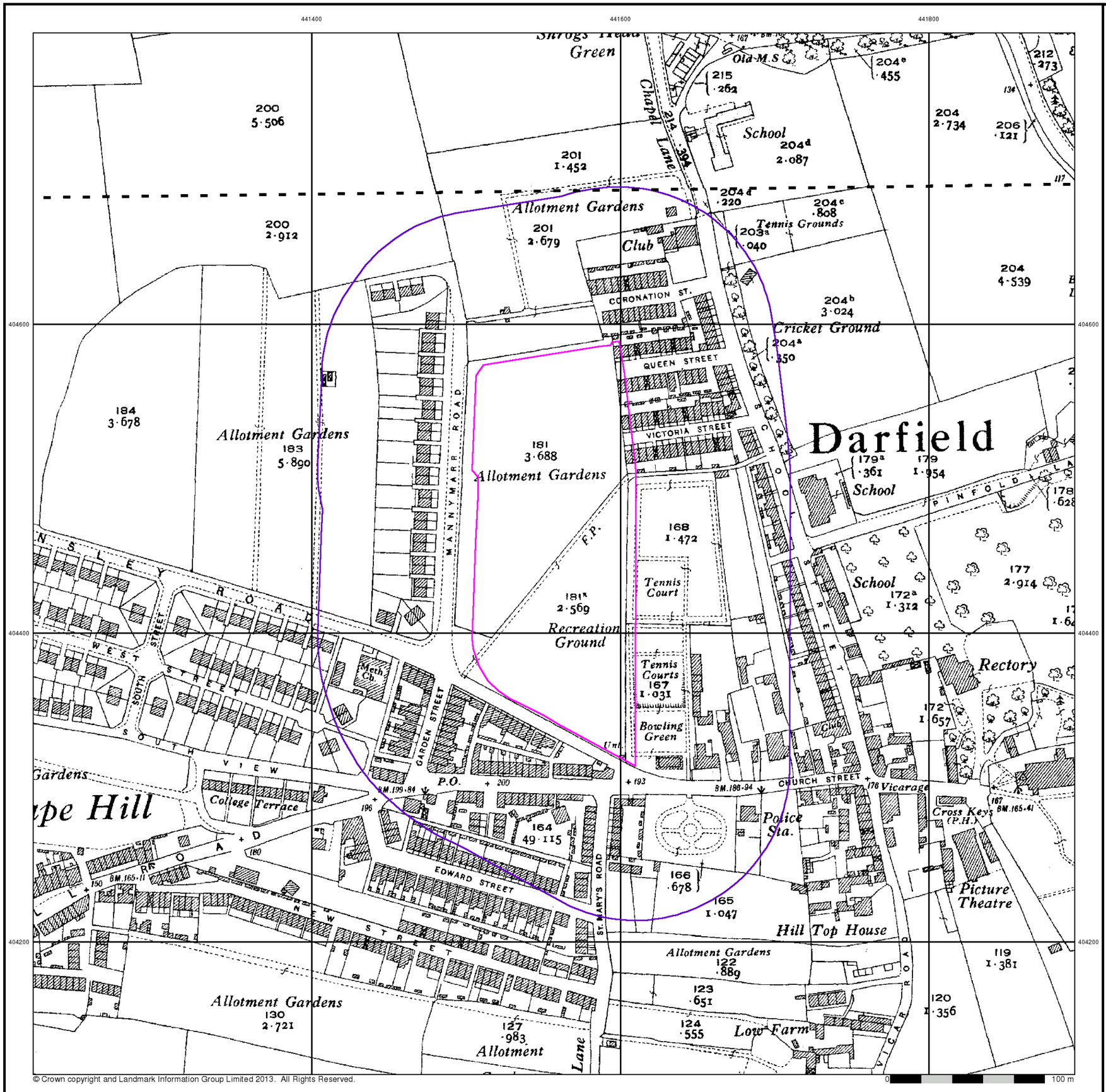
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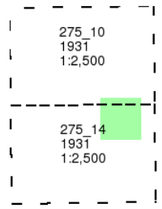
Yorkshire

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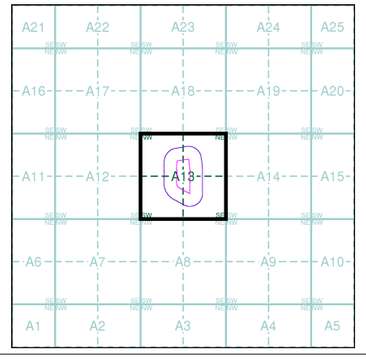
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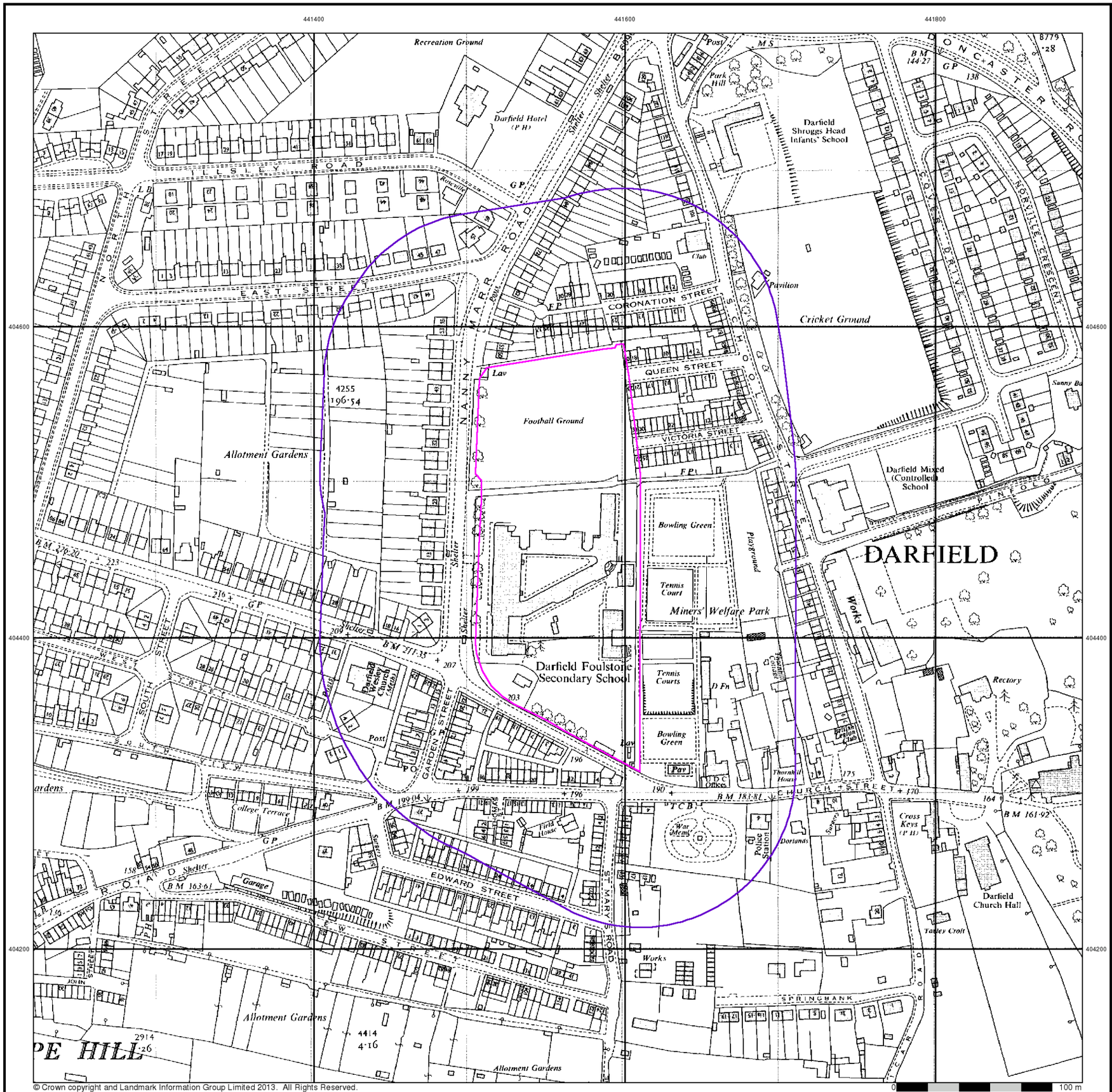


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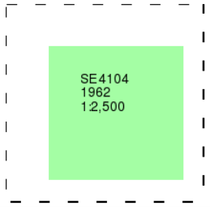
Ordnance Survey Plan

Published 1962

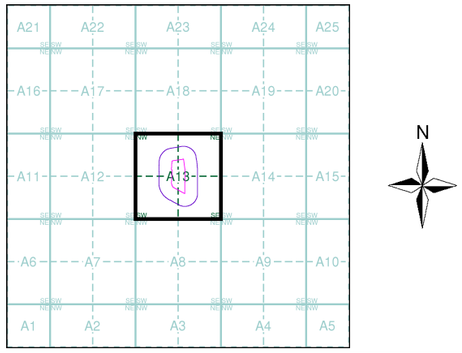
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Map Name(s) and Date(s)



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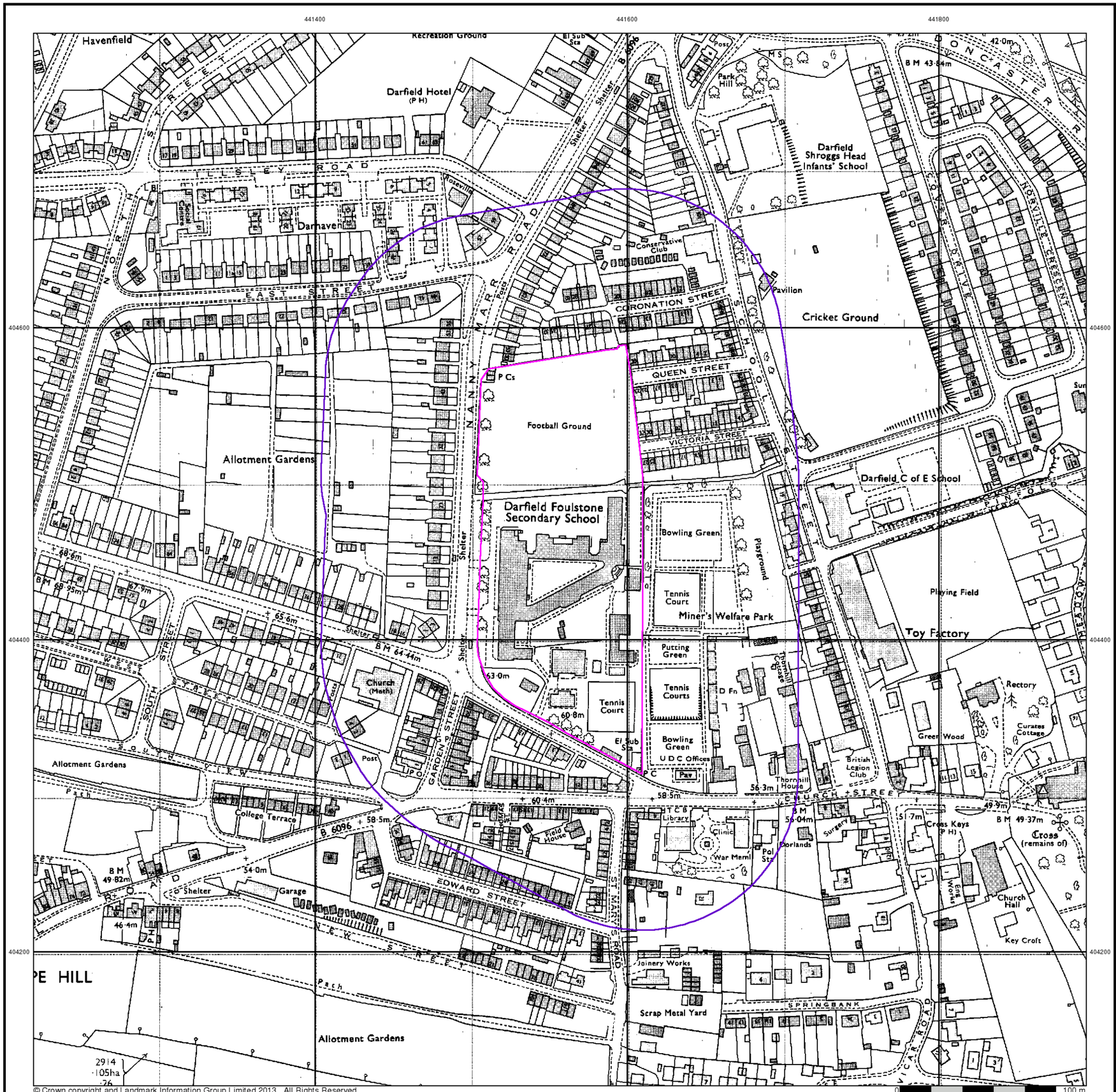
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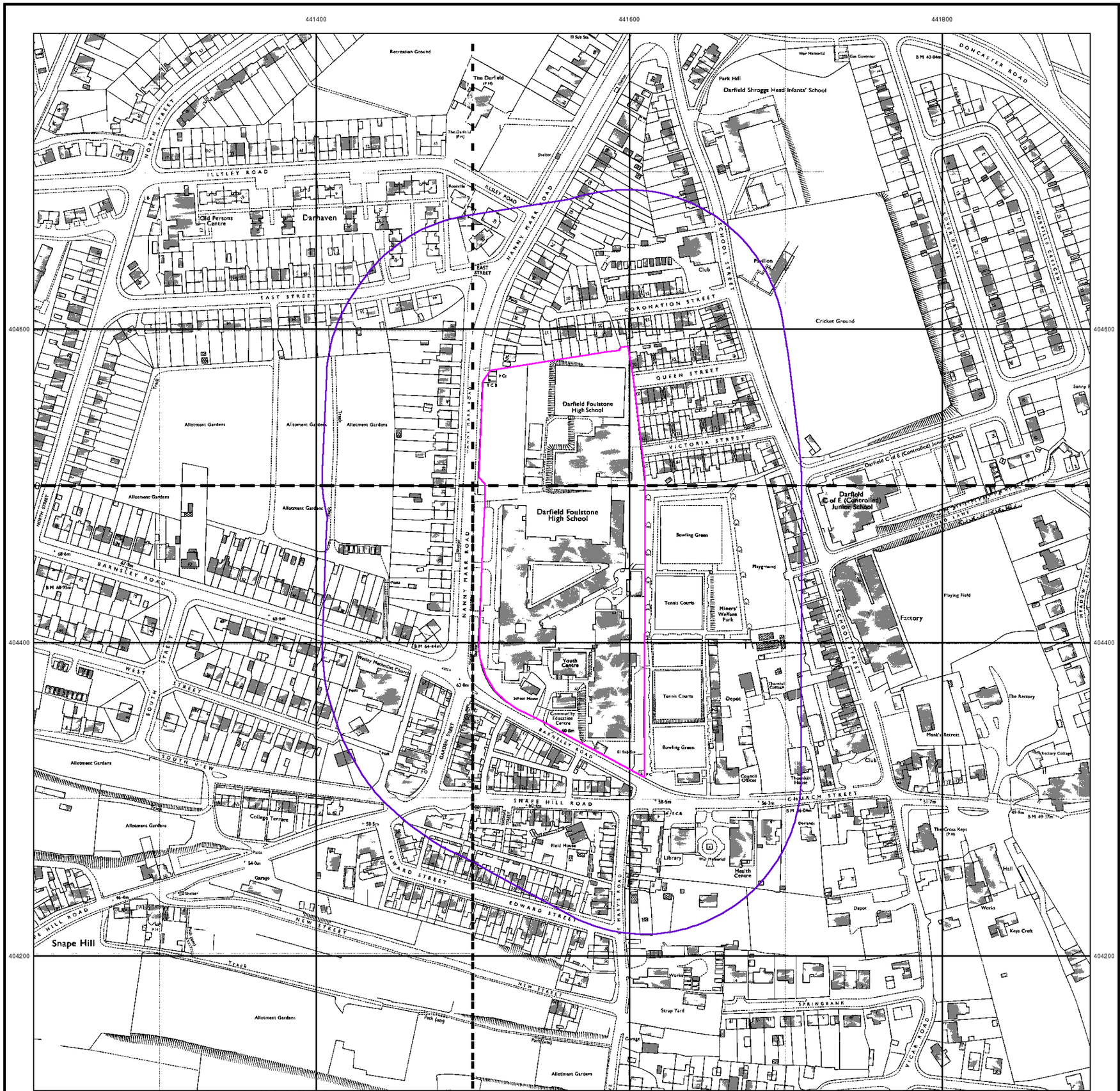
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441400
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404200
Havenfield
Recreation Ground
Darfield Hotel
(P H)
Shelter
Darfield
Shroggs Head
Infants' School
Park
Hill
B M 43·84m
42·0m
TILSLEY ROAD
Darnaven
NORTH
EAST STREET
Conservative
Club
CORONATION STREET
Pavilion
Cricket Ground
NANNY MARR ROAD
QUEEN STREET
VICTORIA STREET
P Cs
Football Ground
Allotment Gardens
Darfield Foulstone
Secondary School
Bowling Green
Playground
Tennis
Court
Miner's Welfare Park
Putting
Green
Tennis
Courts
Bowling
Green
UDC Offices
Darfield C of E School
Playing Field
Toy Factory
Rectory
Curates
Cottage
Green Wood
Thornhill
House
British
Legion
Club
Church
(Meth)
Chapel
Chapel
Allotment Gardens
College Terrace
B 6096
SOUTH
STREET
GARDEN
STREET
Post
P O
P C
Pay
Field
House
Library
Clinic
War Meml
Pol
Sta
Surgery
Dorlands
Cross Keys
(P H)
Cross
(remains of)
Church
Hall
Key Croft
Ent
Works
CHURCH STREET
EDWARD STREET
ST MARY'S ROAD
NEW STREET
Garage
Joinery Works
Scrap Metal Yard
SPRINGBANK
CAR ROAD
PE HILL
Allotment Gardens
2914
·105ha
·76
B M
49·82m
46·4m
54·0m
58·5m
60·4m
56·3m
63·0m
60·8m
64·4m
65·6m
67·9m
68·6m
B M 58·95m
B M 56·04m
B M 49·37m
49·9m
51·7m
Path
El Sub Sta
Shelter
Post
Pay
Tennis Court
Playground
Putting Green
Bowling Green
Tennis Courts
Thornhill House
Green Wood
Curates Cottage
Rectory
British Legion Club
Cross Keys (P H)
Church Hall
Key Croft
Joinery Works
Scrap Metal Yard
Allotment Gardens
Garage
Shelter
Field House
Clinic
War Meml
Pol Sta
Surgery
Dorlands
Library
Ent Works
Thornhill House
Toy Factory
Playing Field
Darfield C of E School
Darfield Foulstone Secondary School
Darfield Shroggs Head Infants' School
Darfield Hotel (P H)
Recreation Ground
Darnaven
Havenfield
Allotment Gardens
Football Ground
Cricket Ground
Bowling Green
Miner's Welfare Park
Tennis Court
Tennis Courts
Putting Green
Bowling Green
UDC Offices
Conservative Club
Church (Meth)
Chapel
Chapel
Post
P O
P C
Pay
Field House
Library
Clinic
War Meml
Pol Sta
Surgery
Dorlands
Cross Keys (P H)
Cross (remains of)
Church Hall
Key Croft
Ent Works
Thornhill House
Green Wood
Curates Cottage
Rectory
British Legion Club



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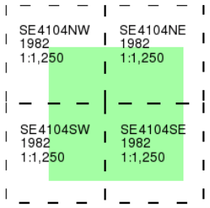
Ordnance Survey Plan

Published 1982

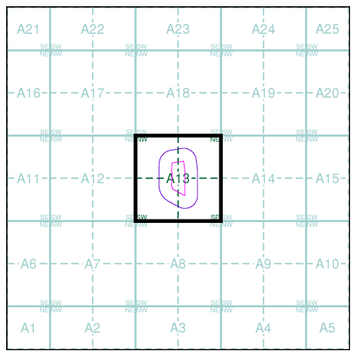
Source map scale - 1:1,250

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

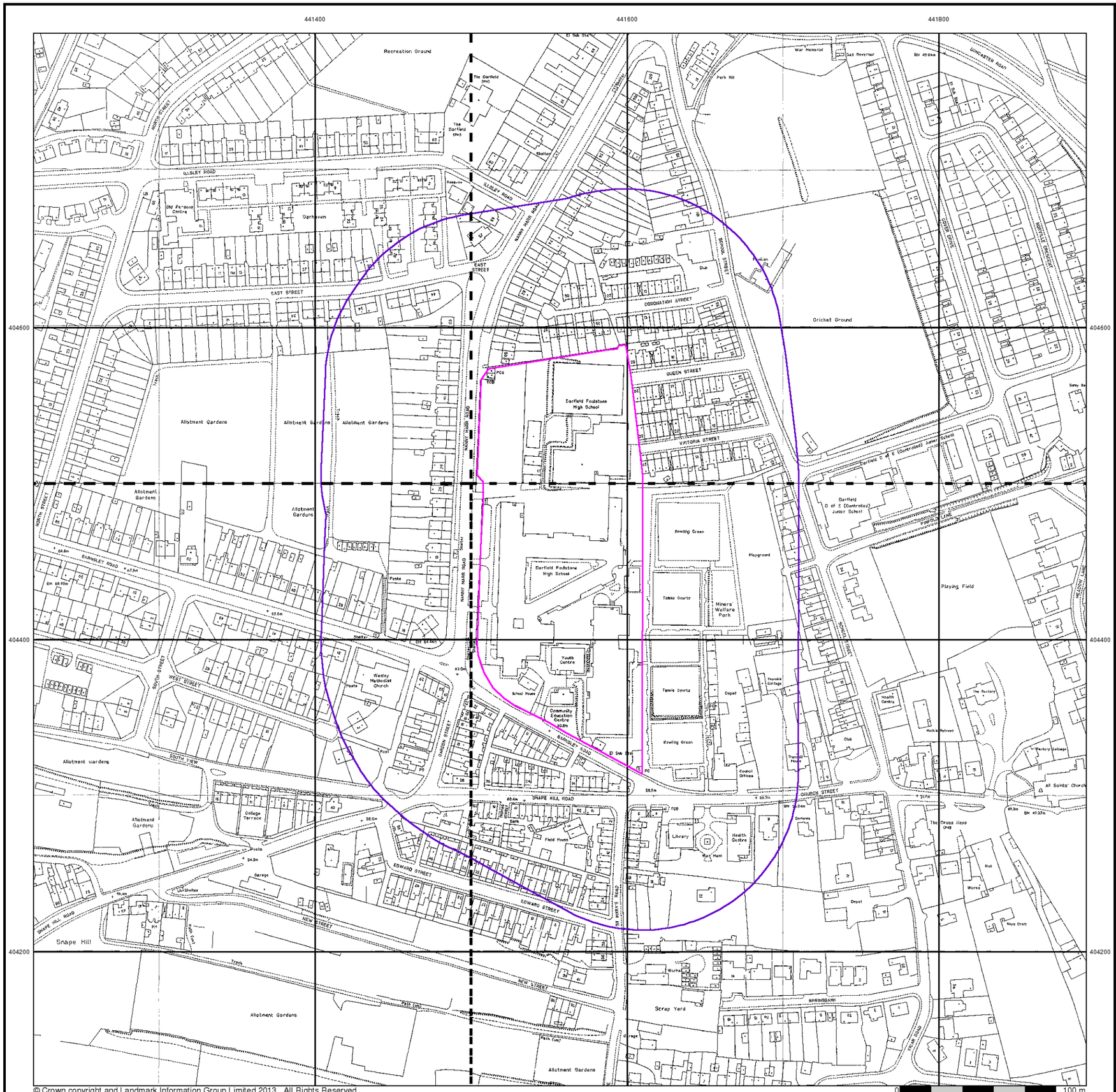
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Customer Ref:	2773
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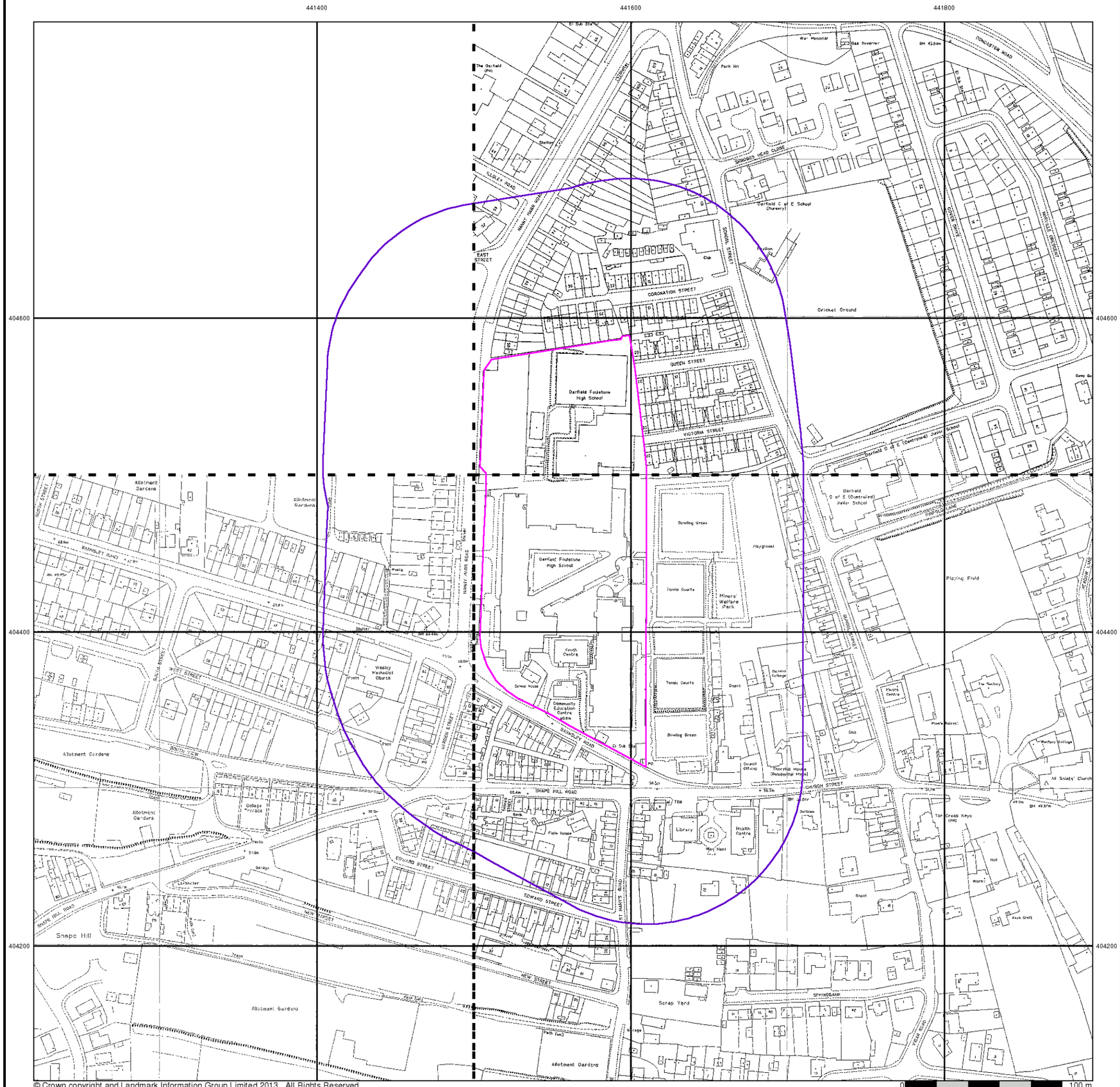
Site Details

9, Nanny Marr Road, Darfield, Barnsley, S73 9AB

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441400
441600
441800
404600
404400
404200
Recreation Ground
Darfield
Darfield (Mon)
Darfield (Mon)
Darfield (Mon)



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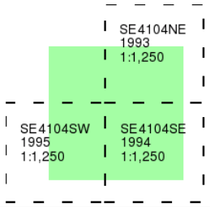
Large-Scale National Grid Data

Published 1993 - 1995

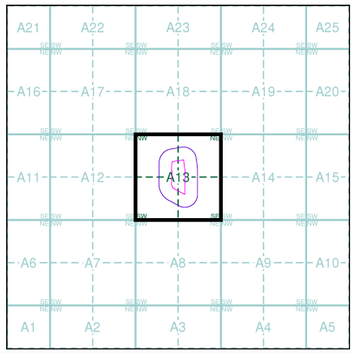
Source map scale - 1:1,250

'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

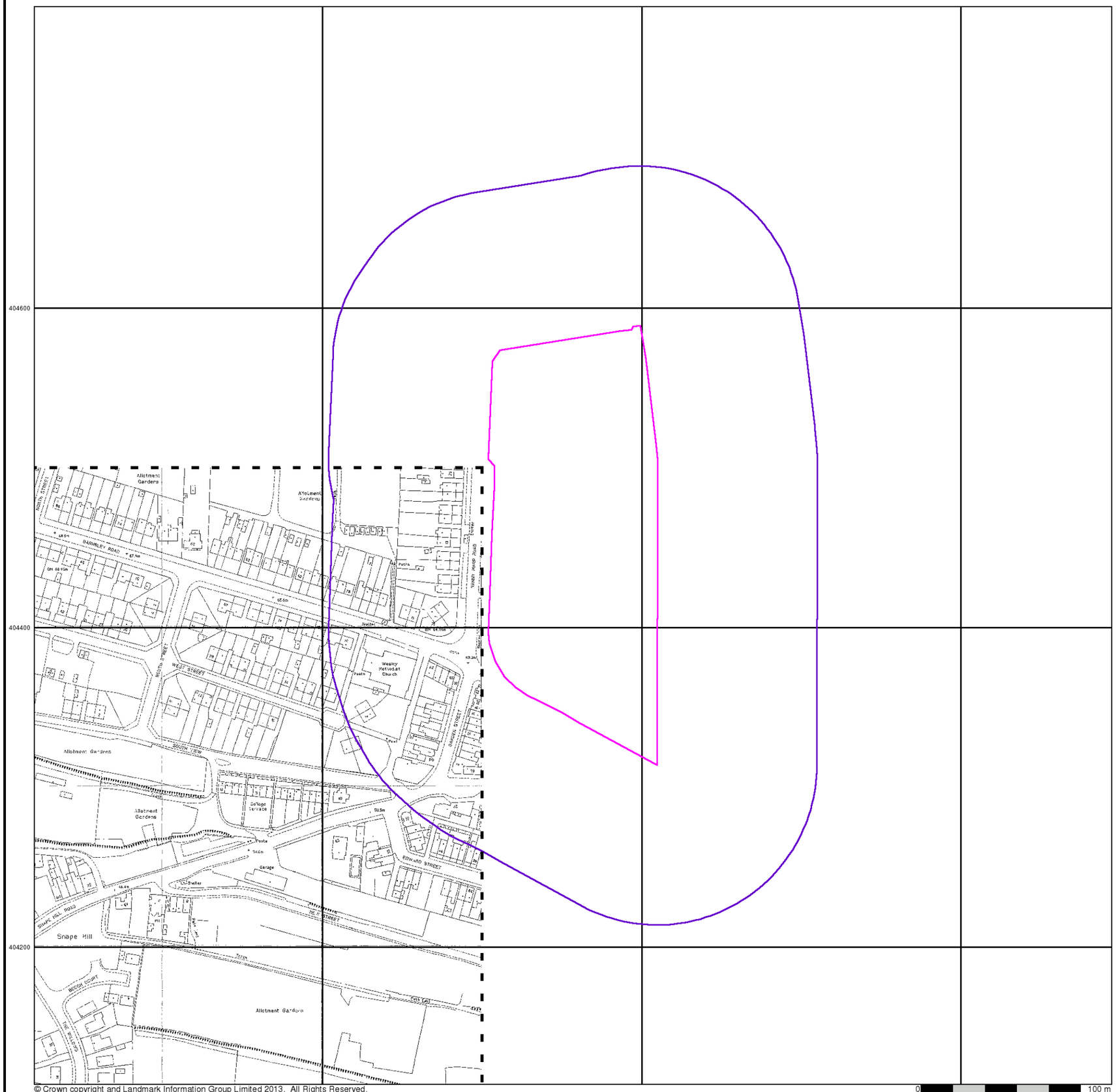
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National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	100

Site Details

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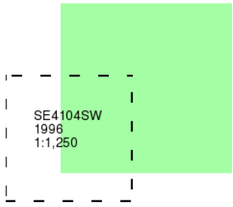
Large-Scale National Grid Data

Published 1996

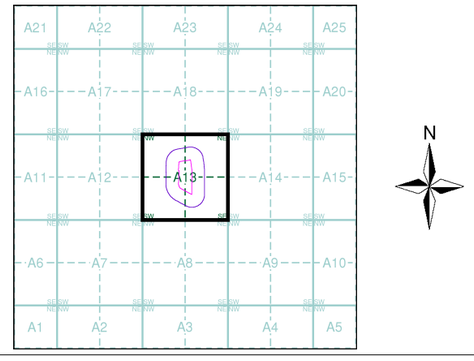
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13

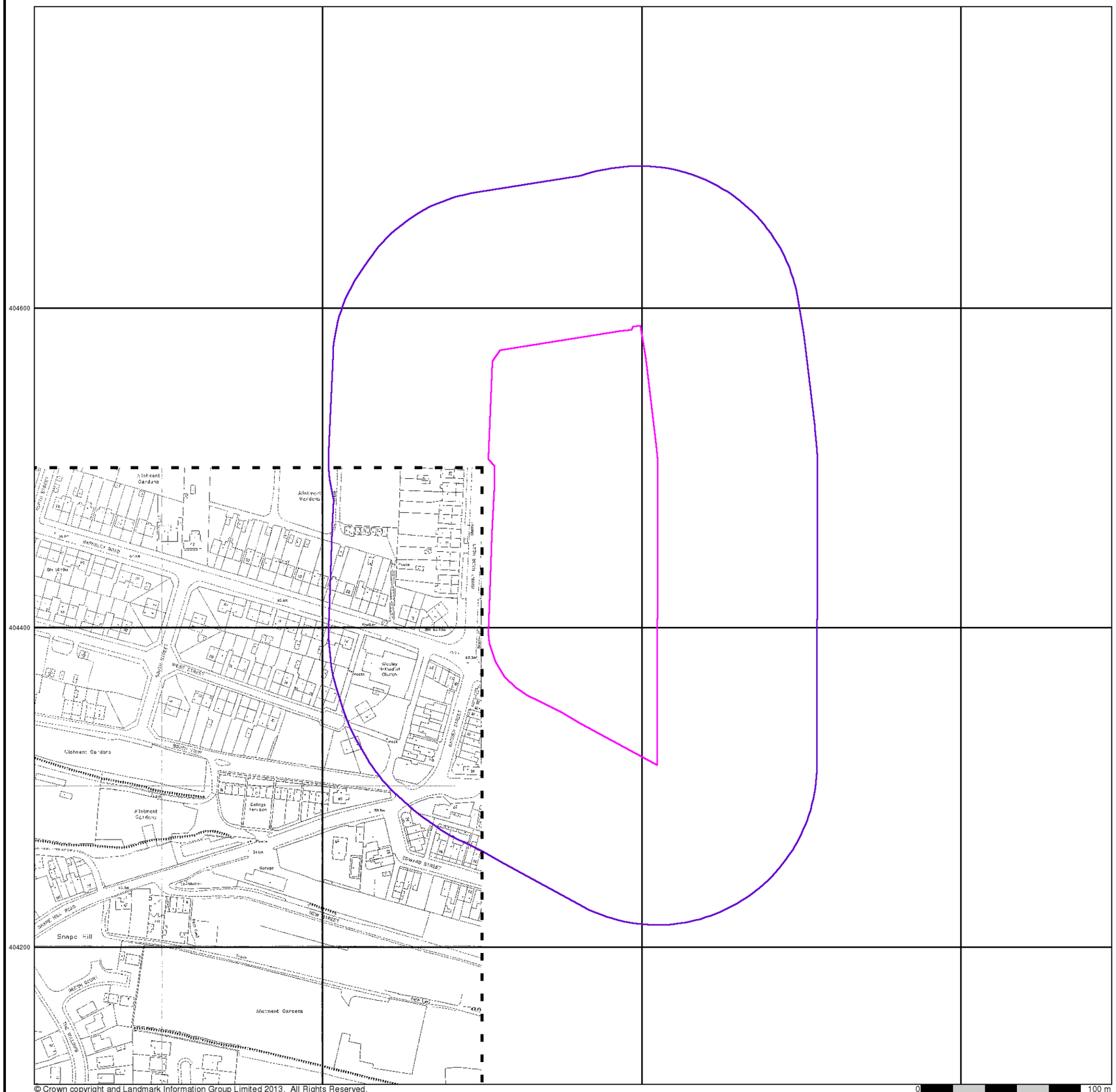


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National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	100

Site Details

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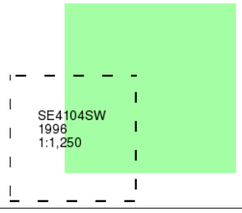
Large-Scale National Grid Data

Published 1996

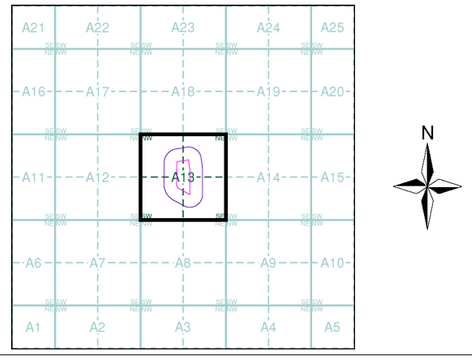
Source map scale - 1:1,250

'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:	49293506_1_1
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National Grid Reference:	441570, 404460
Slice:	A
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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
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
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
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. 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
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Electricity Transmission Line
Pole
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
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	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

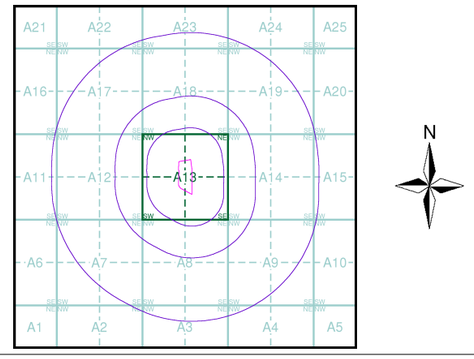
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

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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	1906 - 1907	4
Yorkshire	1:10,560	1931	5
Yorkshire	1:10,560	1938	6
Yorkshire	1:10,560	1938 - 1948	7
Yorkshire	1:10,560	1948	8
Ordnance Survey Plan	1:10,000	1955 - 1956	9
Ordnance Survey Plan	1:10,000	1967	10
Ordnance Survey Plan	1:10,000	1980 - 1983	11
Ordnance Survey Plan	1:10,000	1989	12
10K Raster Mapping	1:10,000	2006	13
10K Raster Mapping	1:10,000	2013	14

Historical Map - Slice A



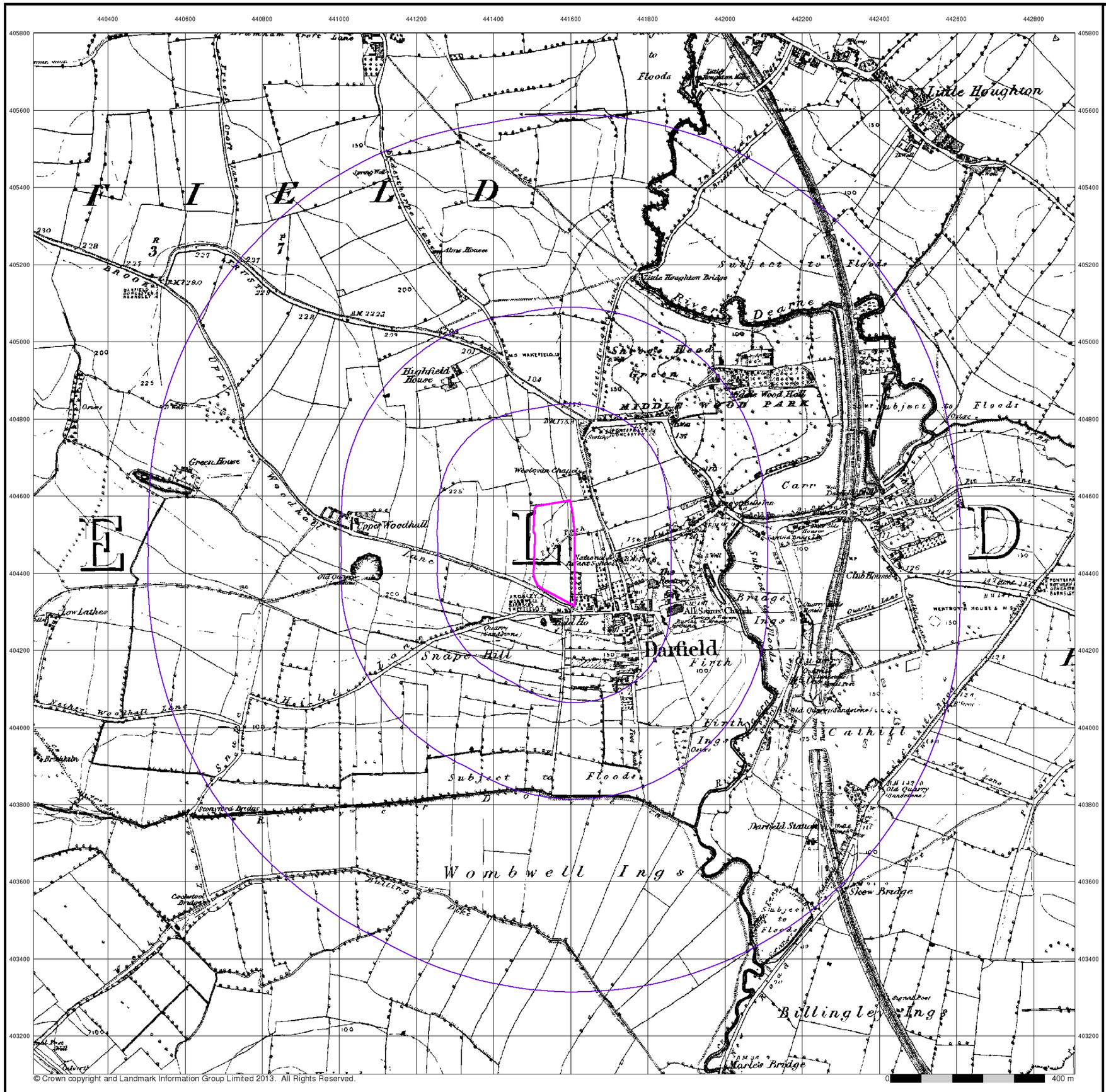
Order Details

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Customer Ref: 2773
National Grid Reference: 441570, 404460
Slice: A
Site Area (Ha): 2.45
Search Buffer (m): 1000

Site Details

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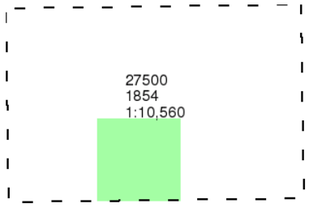
Yorkshire

Published 1854

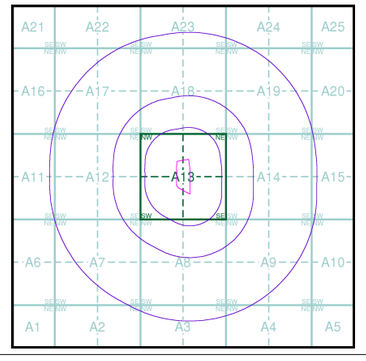
Source map scale - 1:10,560

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)



Historical Map - Slice A



Order Details

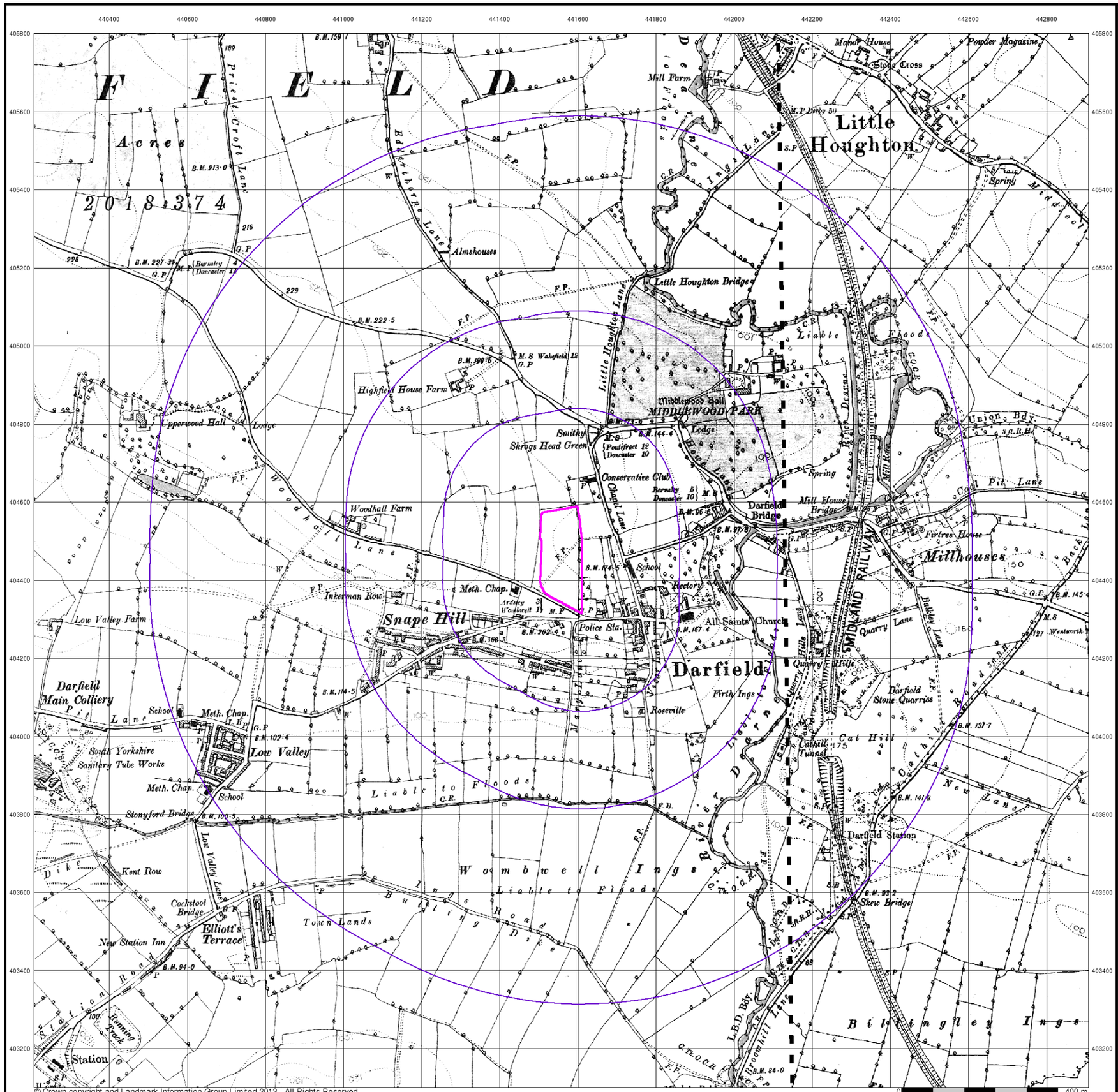
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Customer Ref:	2773
National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

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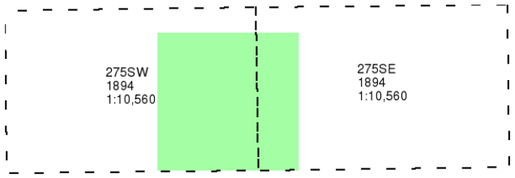
Yorkshire

Published 1894

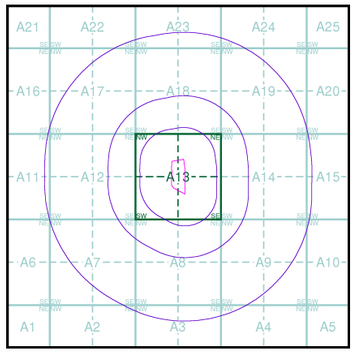
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

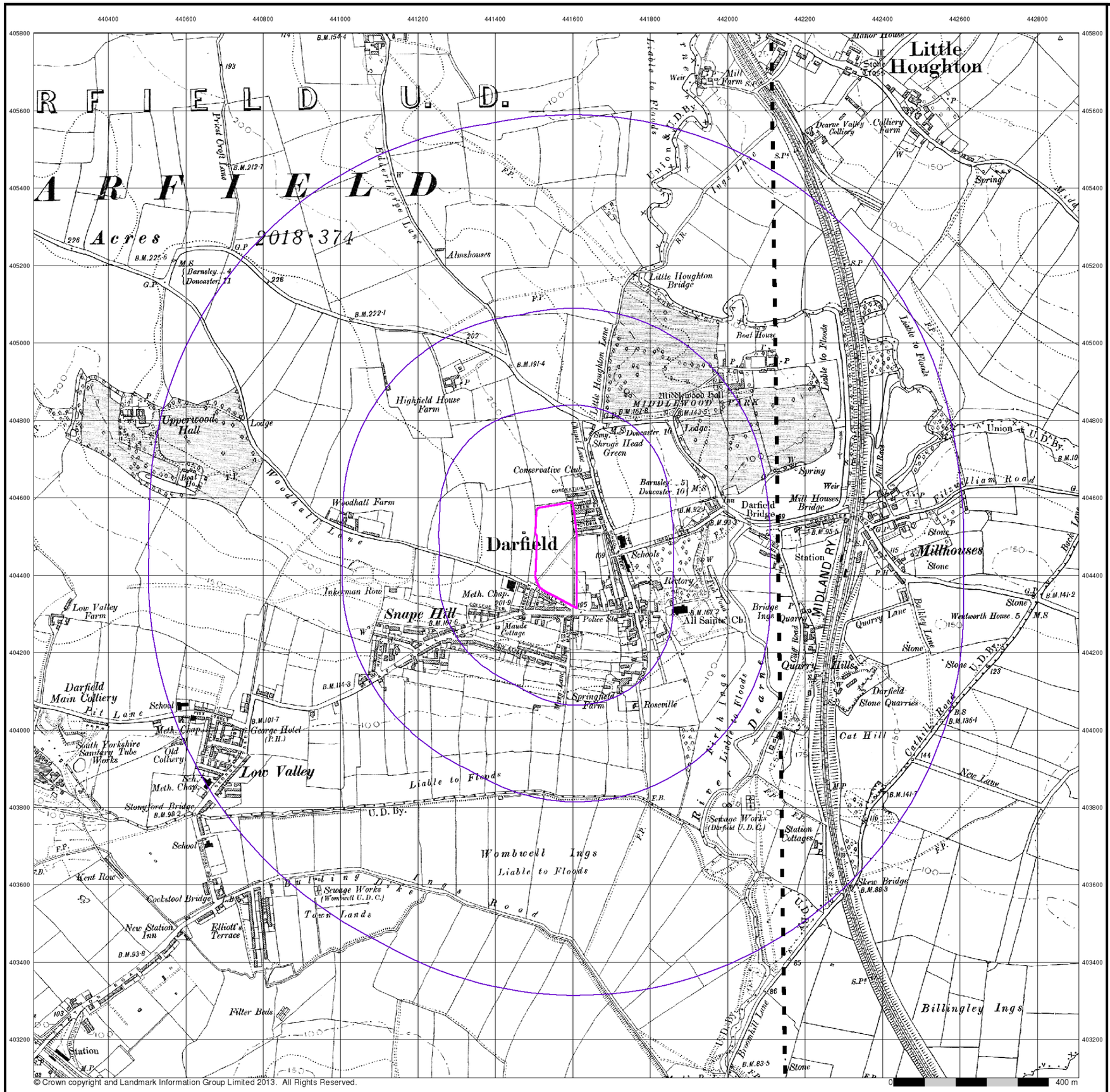
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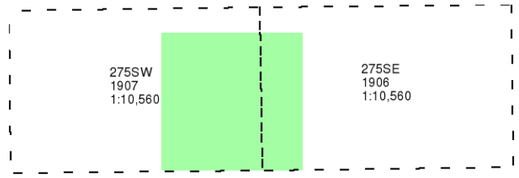
Yorkshire

Published 1906 - 1907

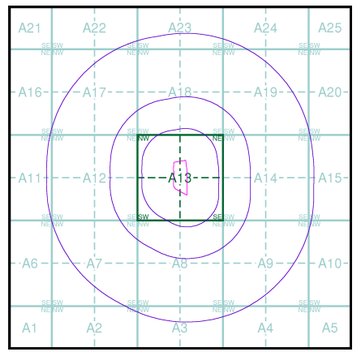
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

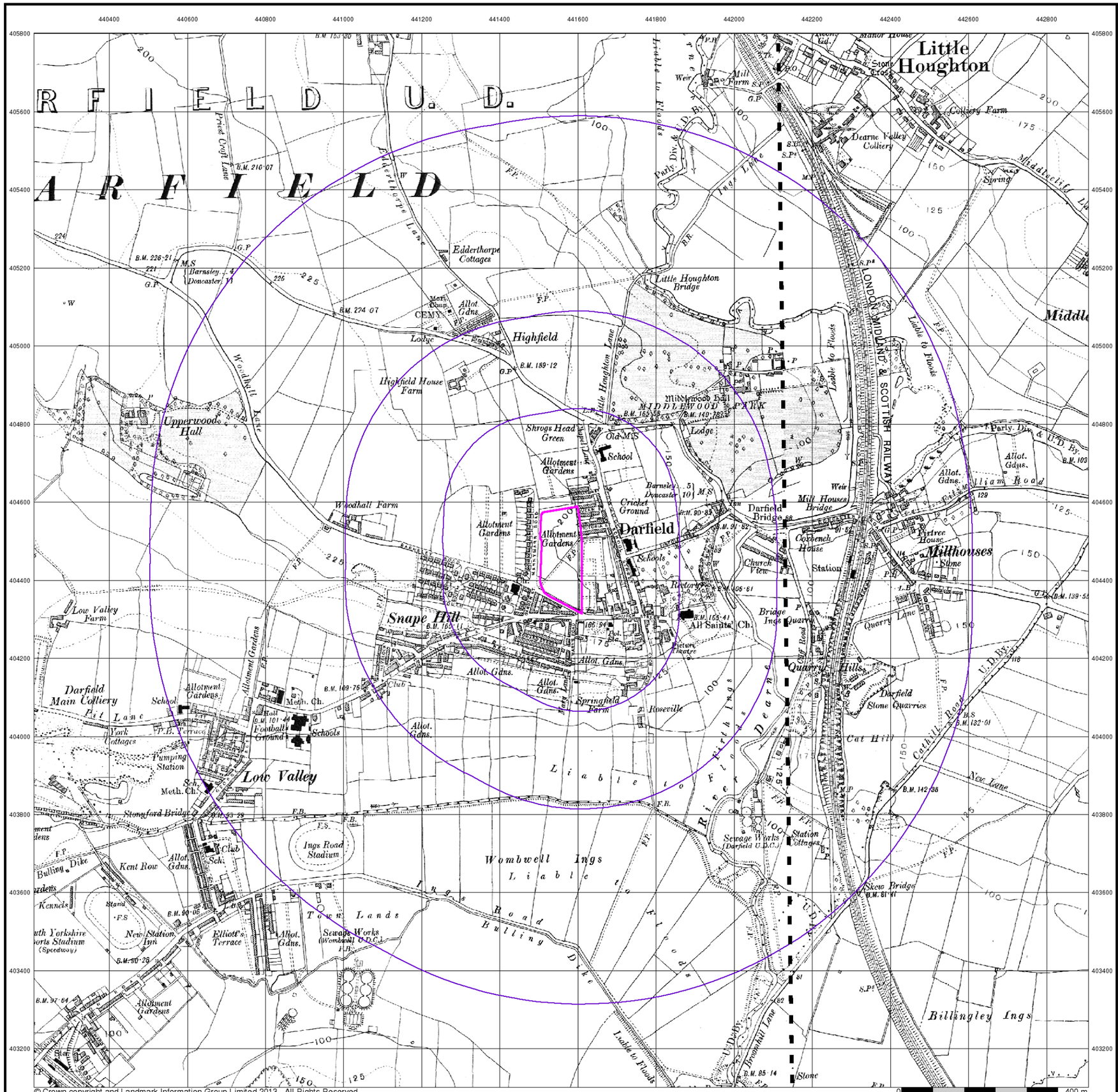
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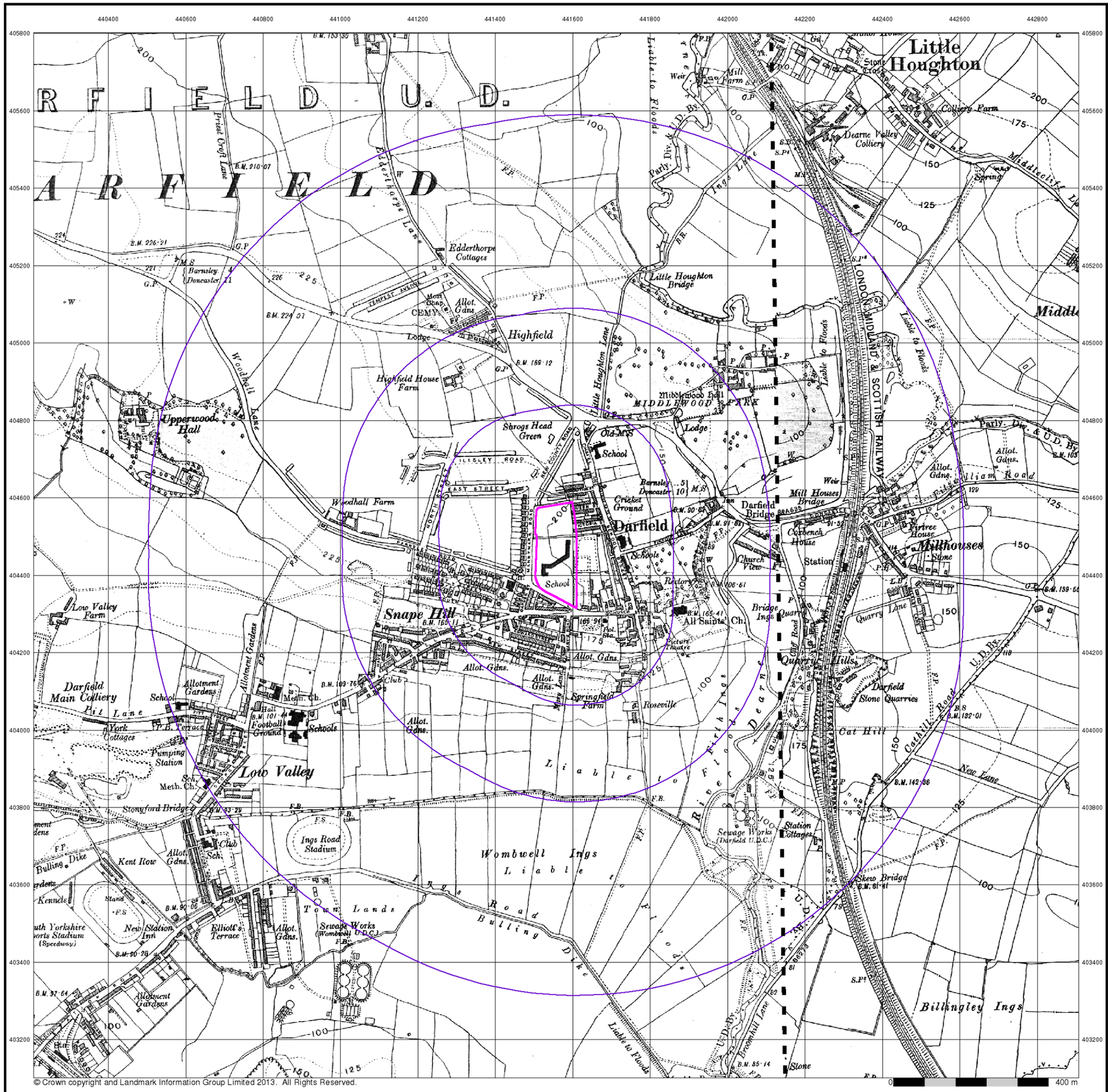
Site Details

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440400
440600
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442400
442600
442800
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404200
404000
403800
403600
403400
403200
R F I E L D U. D.
A R F I E L D
Little Houghton
Darfield
Snape Hill
Low Valley
Highfield
Upperwoods Hall
Middlewood Hall
Darfield Bridge
Millhouses
Little Houghton Bridge
Edderthorpe Cottages
Highfield House Farm
Woodhall Farm
Shrogs Head Green
Allotment Gardens
Cricket Ground
Darfield Main Colliery
Springfield Farm
Roseville
Ings Road Stadium
Wombwell Ings
Billingley Ings
Cat Hill
Quarry Hills
Darfield Stone Quarries
Dearne Valley Colliery
Colliery Farm
Middlecliffe Lane
Priest Croft Lane
Woodhall Lane
Little Houghton Lane
Edderthorpe Lane
Cathill Road
New Lane
Broomhill Lane
Quarry Lane
Ings Road
Bulling Dike
Kent Row
Elliott's Terrace
New Station Inn
Sewage Works (Darfield U.D.C.)
Sewage Works (Wombwell U.D.C.)
Station Cottages
Station
Skew Bridge
Fortree House
Corbenchi House
Church View
Rectory
All Saints' Ch.
Methodist Ch.
Schools
Old M.S.
School
Lodge
Mill Houses Bridge
Mill Farm
Manor House
Stone Cross
Pumping Station
York Cottages
Football Ground
Club
Picture Theatre
Liable to Floods
Parly. Div. & U.D. By.
L. & N.E.R.
LONDON, MIDLAND, & SCOTTISH RAILWAY
Dearne Valley Main Drain
River Dearne
Bulling Dike
Ings Road
Town Lands
Wombwell Ings
Liable to Floods
Allot. Gdns.
Allotment Gardens
Meth. Ch.
Sch.
Club
Stone
Spring
Weir
Tr.
F.P.
B.R.
G.P.
M.S.
M.P.
S.P.
F.B.
F.S.
Barnsley 5
Doncaster 10
Barnsley 4
Doncaster 11
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B.M. 210·07
B.M. 274·07
B.M. 189·12
B.M. 155·30
B.M. 140·72
B.M. 90·82
B.M. 91·82
B.M. 166·94
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B.M. 105·61
B.M. 169·75
B.M. 101·44
B.M. 93·29
B.M. 90·06
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B.M. 132·61
B.M. 85·14
B.M. 103
Allot. Gdns.
Liam Hood
Ings Road
Bridge Ings
Quarry
Stone
Tr.
Weir
Spring
Middle
Middlecliffe La
Parly. Div. & U.D. By.
Liable to Floods



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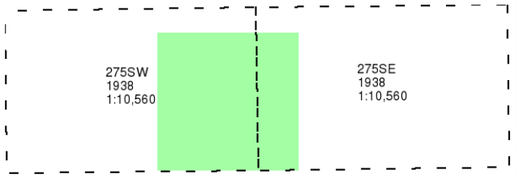
Yorkshire

Published 1938

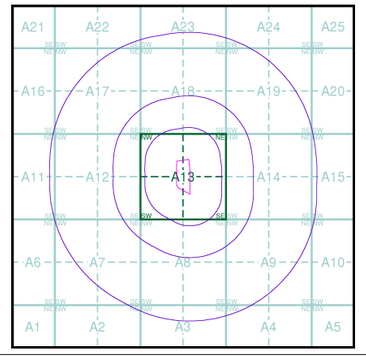
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



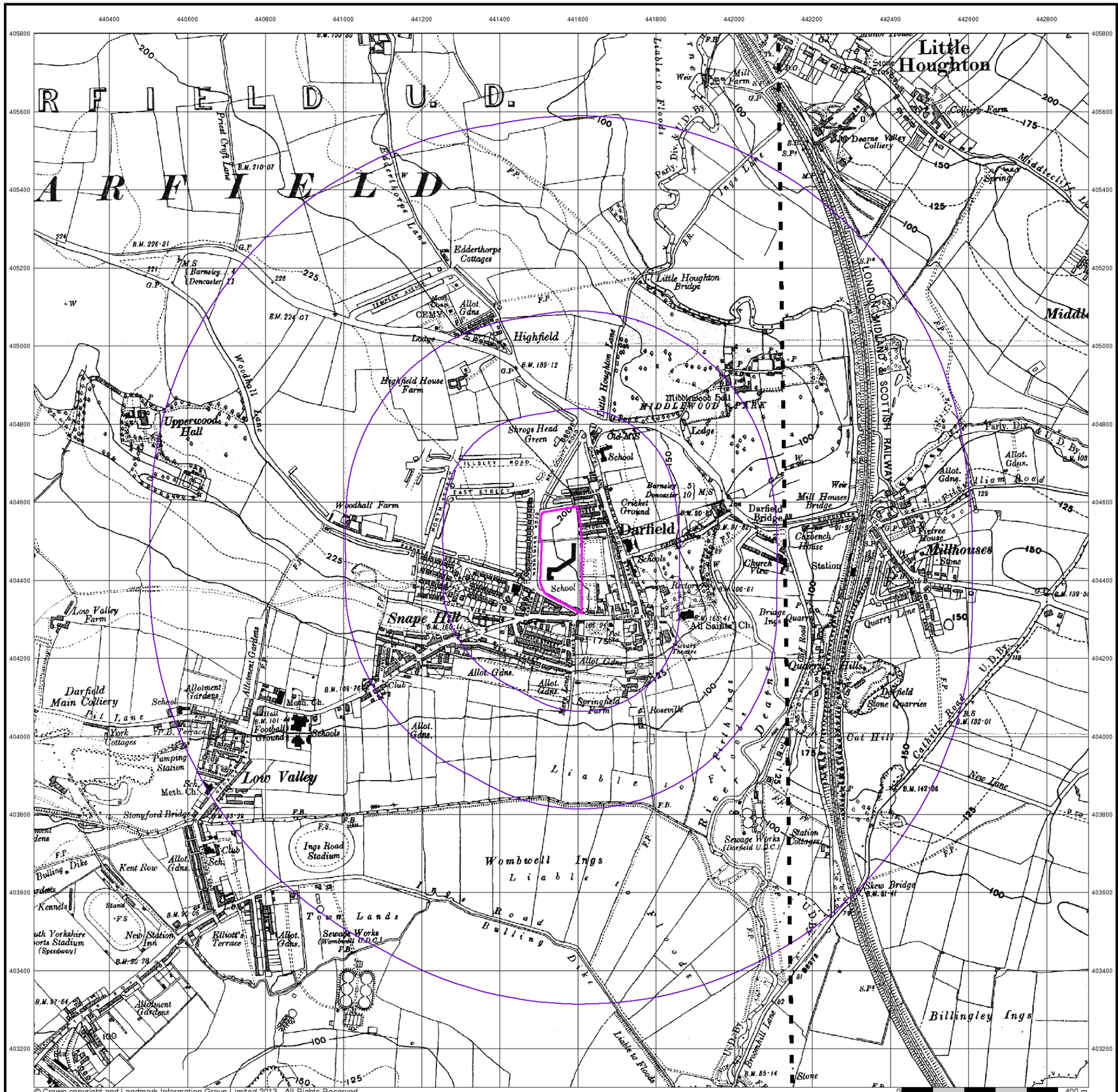
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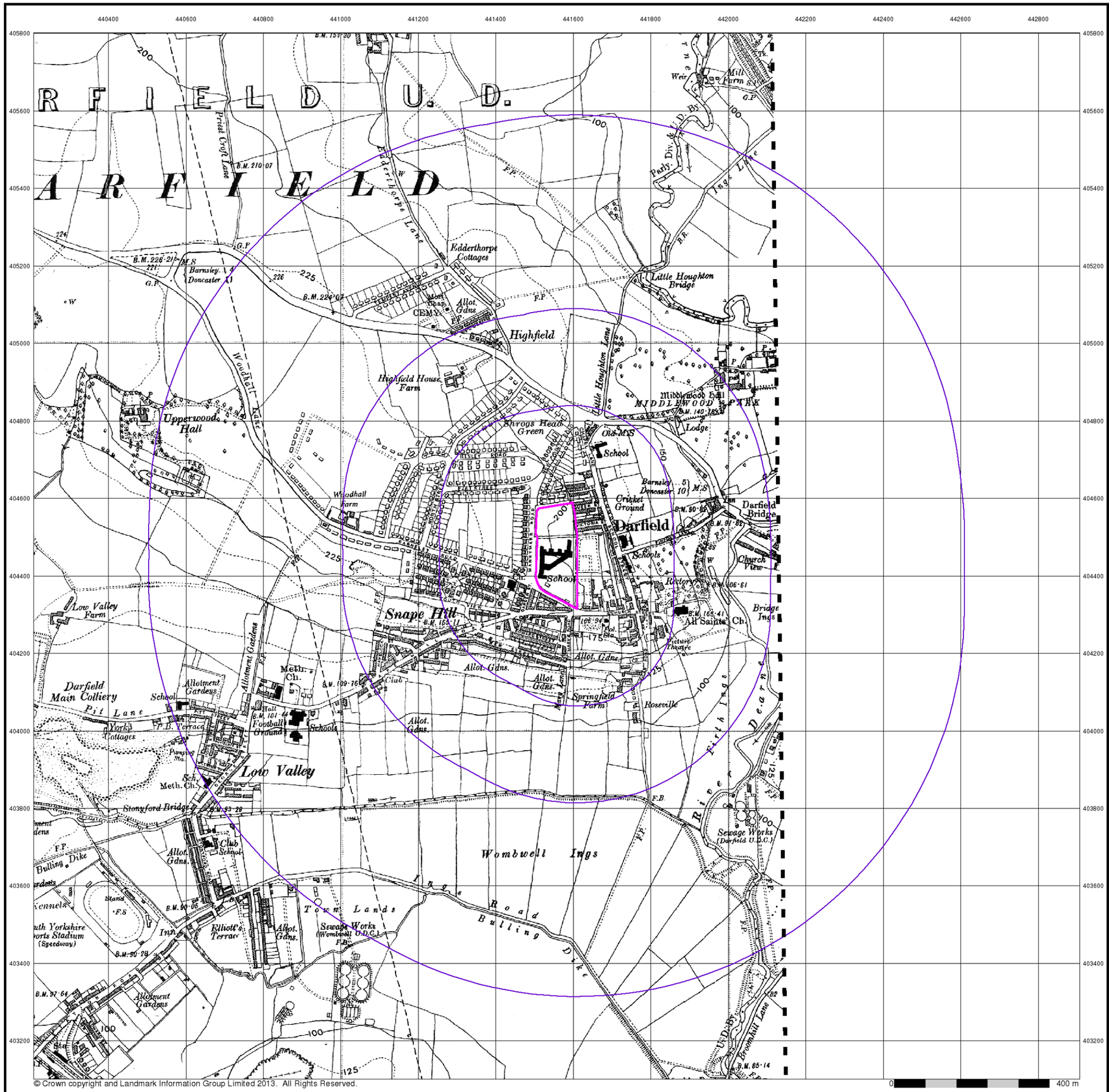
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Customer Ref:	2773
National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

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440400
440600
440800
441000
441200
441400
441600
441800
442000
442200
442400
442600
442800
405800
405600
405400
405200
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404600
404400
404200
404000
403800
403600
403400
403200
R F I E L D U. D.
A R F I E L D
Little Houghton
Priest Croft Lane
Edderthorpe Lane
Edderthorpe Cottages
Little Houghton Bridge
Highfield
Highfield House Farm
Middlewood Hall
MIDDLEWOOD PITS
Middlewood Lodge
Uppermoods Hall
Woodhall Lane
Shrogs Head Green
Old Ings School
Little Houghton Lane
LONDON, MIDLAND & SCOTTISH RAILWAY
Dearne Valley Colliery
Colliery Farm
Middlecliffe Lane
Spring
Parly. Div. & U.D. By.
Allot. Gdns.
Mill Houses Bridge
Darfield Bridge
Darfield
Cricket Ground
Woodhall Farm
Carbench House
Station
Church View
Milthouses
Stone
Quarry Lane
Snape Hill
All Saints' Ch.
Low Valley Farm
Allotment Gardens
Darfield Main Colliery
Pit Lane
School
Meth. Ch.
Football Ground
Springfield Farm
Roseville
Darfield Stone Quarries
Cat Hill
Catbrill Road
New Lane
Low Valley
Pumping Station
York Cottages
Stonyford Bridge
Ings Road Stadium
Wombwell Ings
Liable to Floods
Bulling Dike
Kent Row
Kennels
South Yorkshire Sports Stadium (Speedway)
New Station Inn
Elliott's Terrace
Sewage Works (Wombwell U.D.C.)
Town Lands
Ings Road
Sewage Works (Darfield U.D.C.)
Station Cottages
Skew Bridge
Billingley Ings
Broomhill Lane
Darfield Beck
River Dearne
Liable to Floods
Parly. Div. & U.D. By.
U.D.By.
Allot. Gdns.
Allotment Gardens
Cricket Ground
Schools
Rectory
Club
Sch.
Meth. Ch.
Stone
Weir
Mill Farm
Lodge
Cemy.
Allot Gdns
Barnsley 4
Doncaster 11
Barnsley 5
Doncaster 10
M.S
G.P
F.P.
B.M. 226·21
B.M. 210·07
B.M. 224·07
B.M. 189·12
B.M. 193·80
B.M. 90·28
B.M. 97·64
B.M. 139·58
B.M. 142·86
B.M. 132·01
B.M. 118·01
B.M. 106·61
B.M. 165·41
B.M. 109·76
B.M. 101·46
B.M. 93·29
B.M. 90·05
B.M. 91·88
B.M. 91·52
B.M. 85·14
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B.M. 90·60
B.M. 103·
Liable to Floods
Liable to Floods
Liable to Floods



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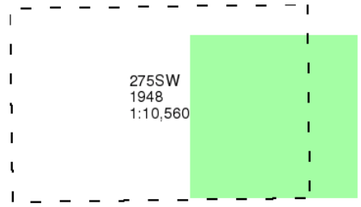
Yorkshire

Published 1948

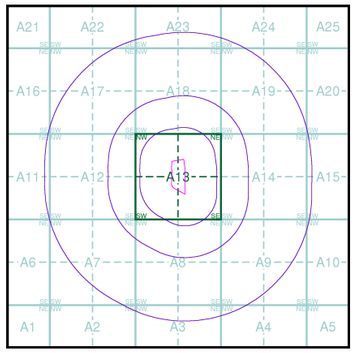
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

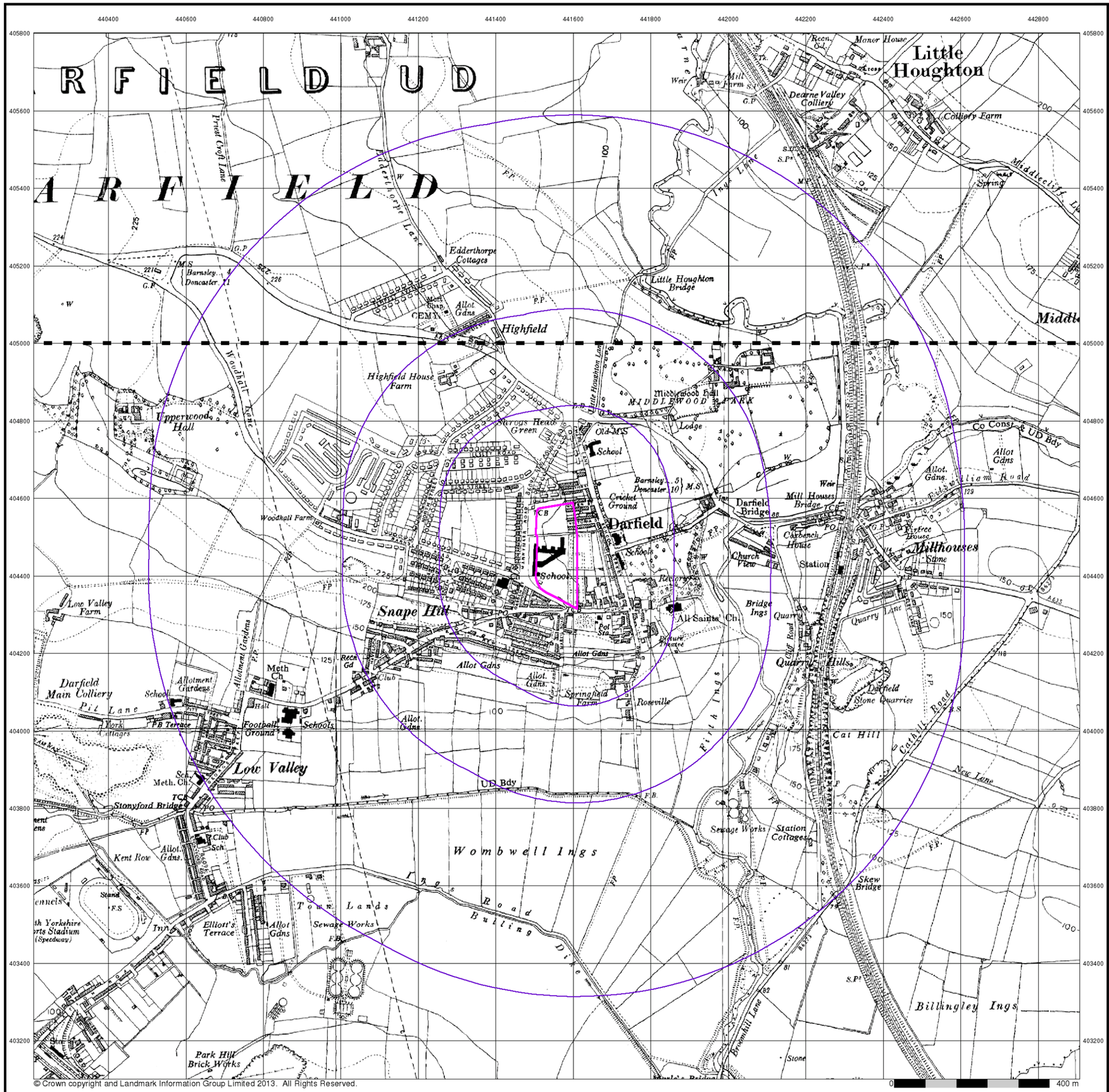
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Customer Ref:	2773
National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1955 - 1956

Source map scale - 1:10,000

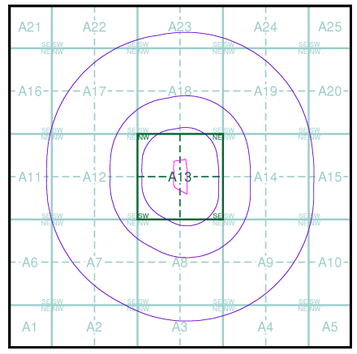
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

SE40NW
1955
1:10,560

SE40SW
1956
1:10,560

Historical Map - Slice A



Order Details

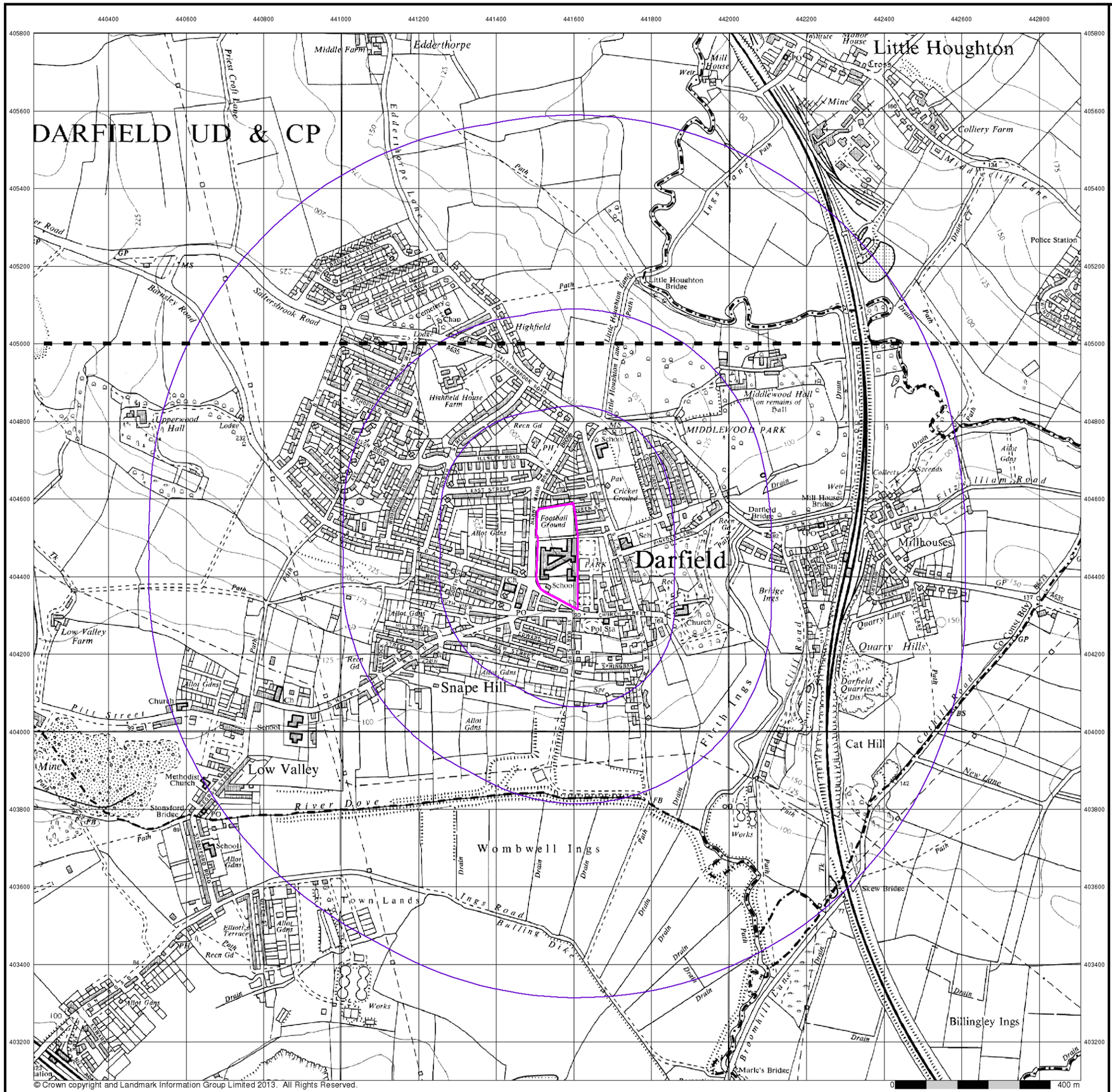
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National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1967

Source map scale - 1:10,000

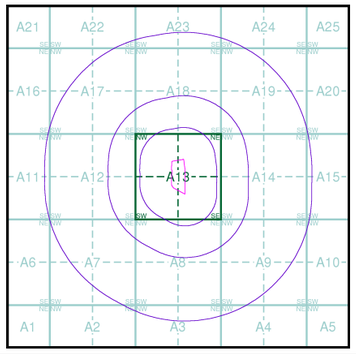
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

SE40NW
1967
1:10,560

SE40SW
1967
1:10,560

Historical Map - Slice A



Order Details

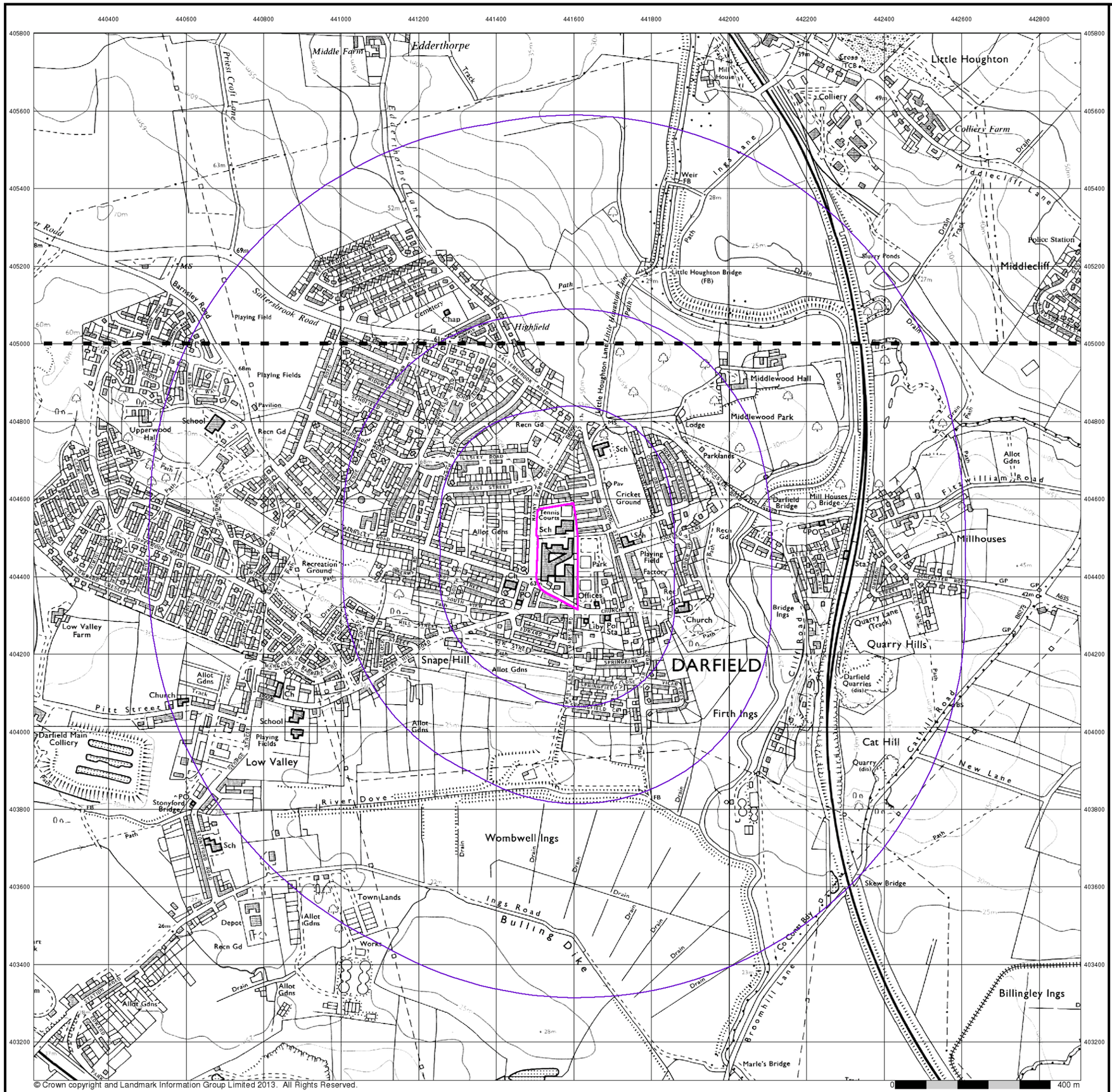
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Customer Ref:	2773
National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1980 - 1983

Source map scale - 1:10,000

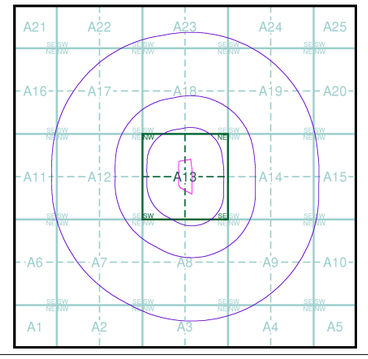
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

SE40NW
1983
1:10,000

SE40SW
1980
1:10,000

Historical Map - Slice A



Order Details

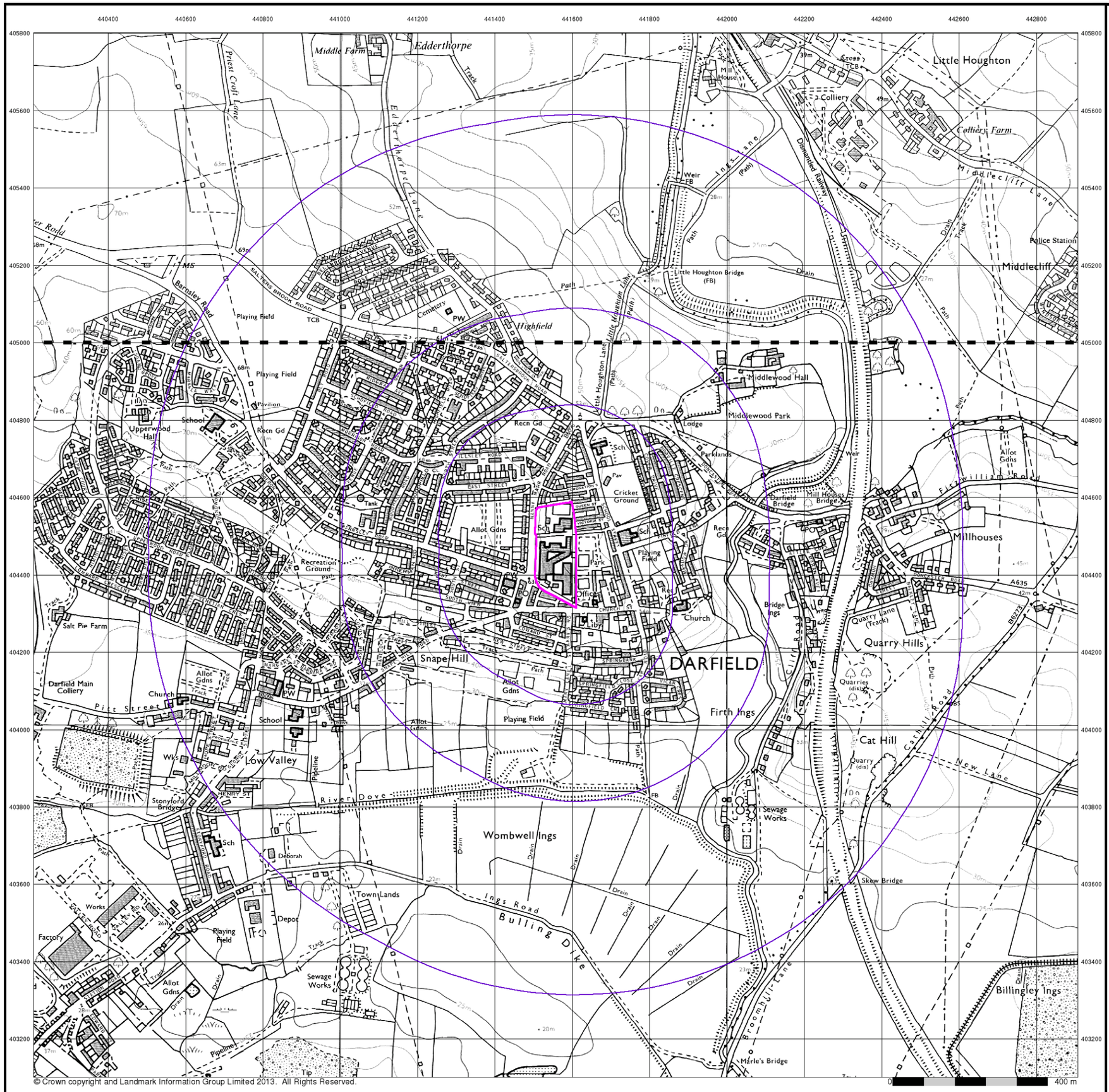
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Site Area (Ha):	2.45
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1989

Source map scale - 1:10,000

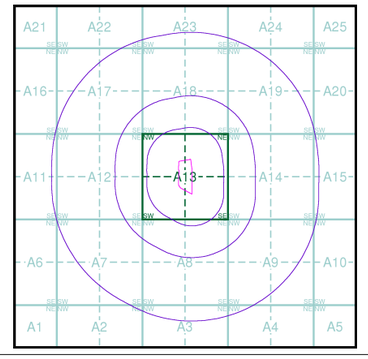
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

SE40NW
1989
1:10,000

SE40SW
1989
1:10,000

Historical Map - Slice A



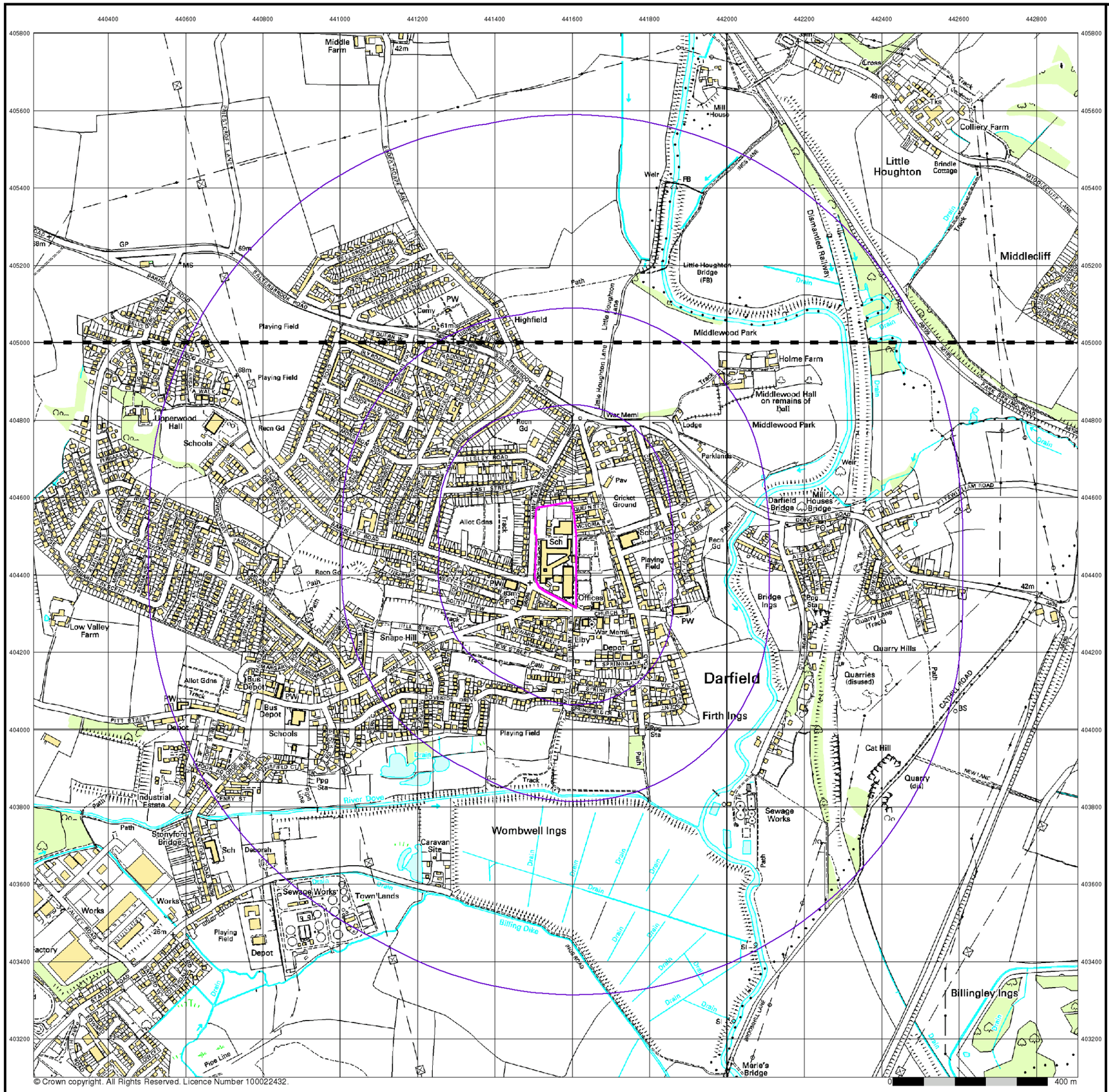
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Search Buffer (m):	1000

Site Details

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10k Raster Mapping

Published 2006

Source map scale - 1:10,000

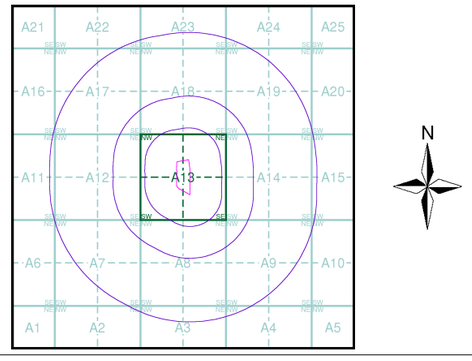
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)

SE40NW
2006
1:10,000

SE40SW
2006
1:10,000

Historical Map - Slice A



Order Details

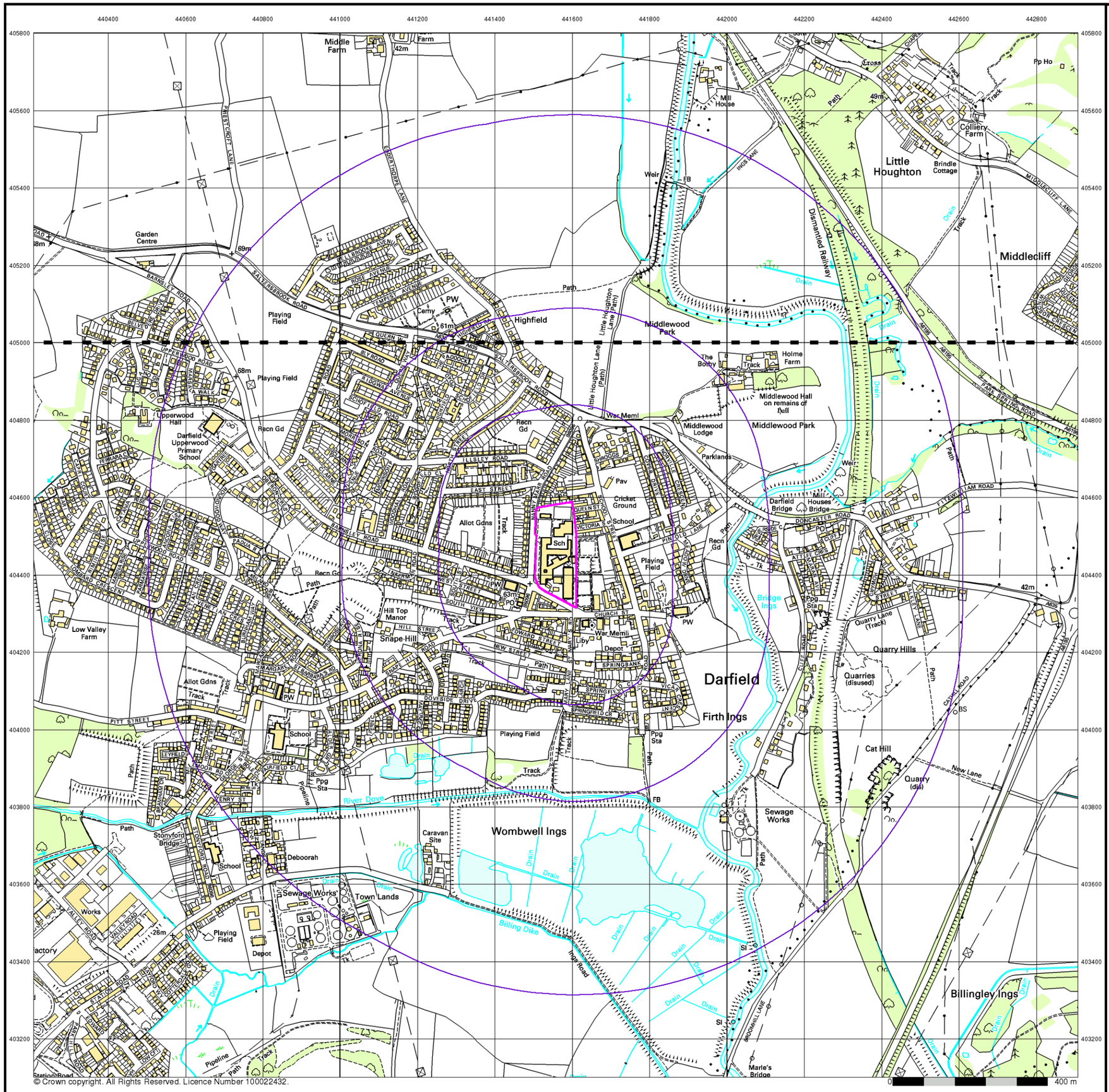
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Site Details

9, Nanny Marr Road, Darfield, Barnsley, S73 9AB

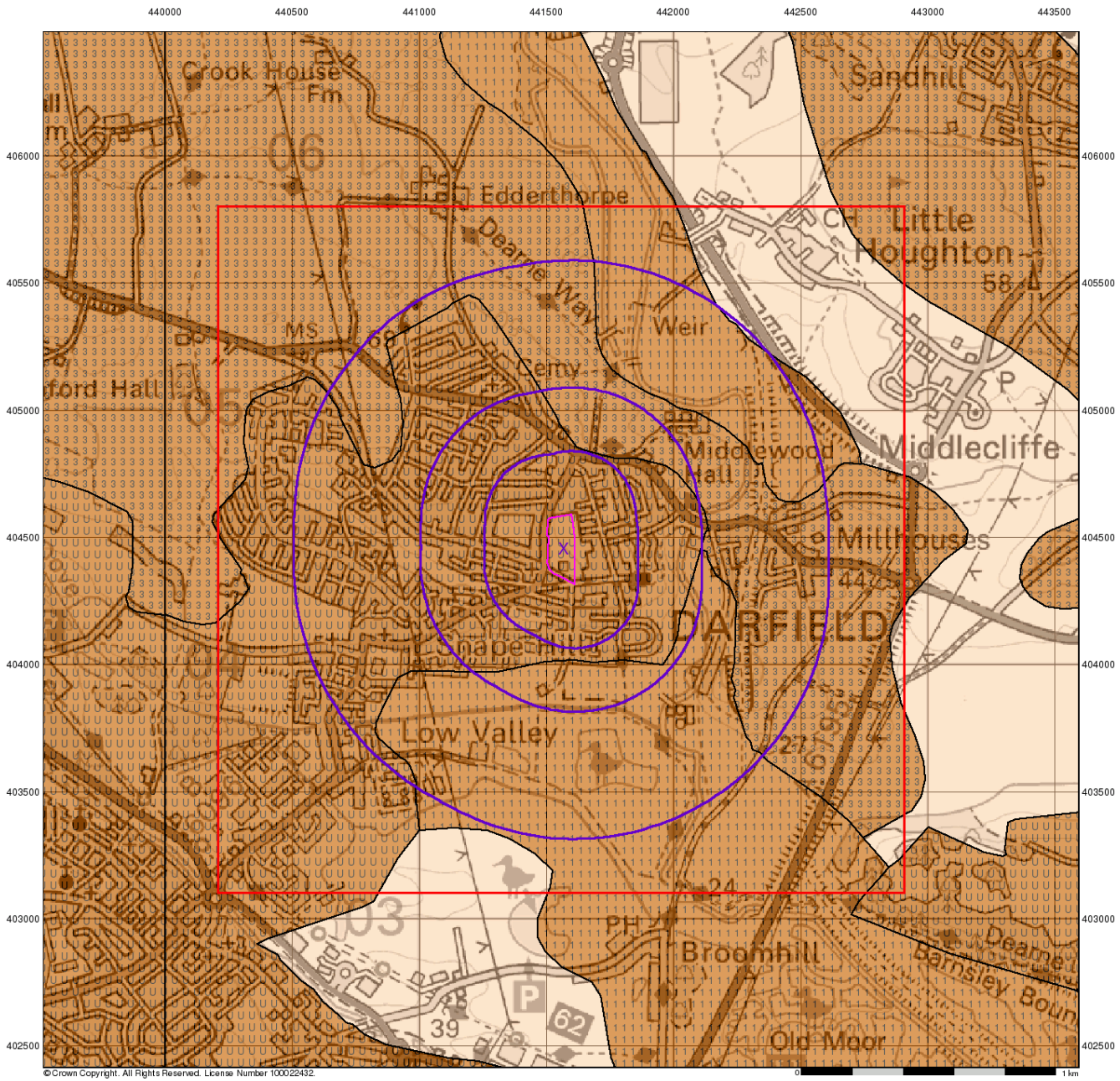
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Middle Farm
Garden Centre
Playing Field
Highfield
Upperwood Hall
Darfield Upperwood Primary School
Middlewood Park
Middlewood Hall on remains of Hall
Middlewood Lodge
Parklands
Darfield
Cricket Ground
Allot Gdns
Hill Top Manor
Snape Hill
Low Valley Farm
Firth Ings
Wombwell Ings
Caravan Site
Sewage Works
Town Lands
Billing Dike
Billingley Ings
Little Houghton
Middlecliff
Mill House
Colliery Farm
Brindle Cottage
Dismantled Railway
Quarry Hills
Quarries (disused)
Cat Hill
Quarry (dis)
Holme Farm
Darfield Bridge
Houses Bridge
Stonyford Bridge
Deboorah
Low Valley Farm
River Dove
Little Houghton Lane (Path)
Barnsley Road
Doncaster Road
Church Road
New Lane
Ings Road
Pipeline
Track
Path
Drain
Weir
FB
Pav
Sch
School
War Meml
Depot
Recn Gd
Ppg Sta
PW
Cemy
Bridge
Ings
Quarry Lane (Track)
Fitzwilliam Road
Broomhill Lane
Marie's Bridge
Station Road
Valley Road
Queen Street
Victoria Street
Church Street
Springbank
Springfield
Doncaster Road
Pinfold Lane

APPENDIX 4

ENVIRONMENTAL MAPS



Groundwater Vulnerability

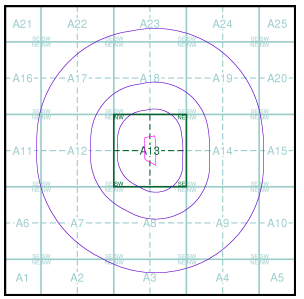
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



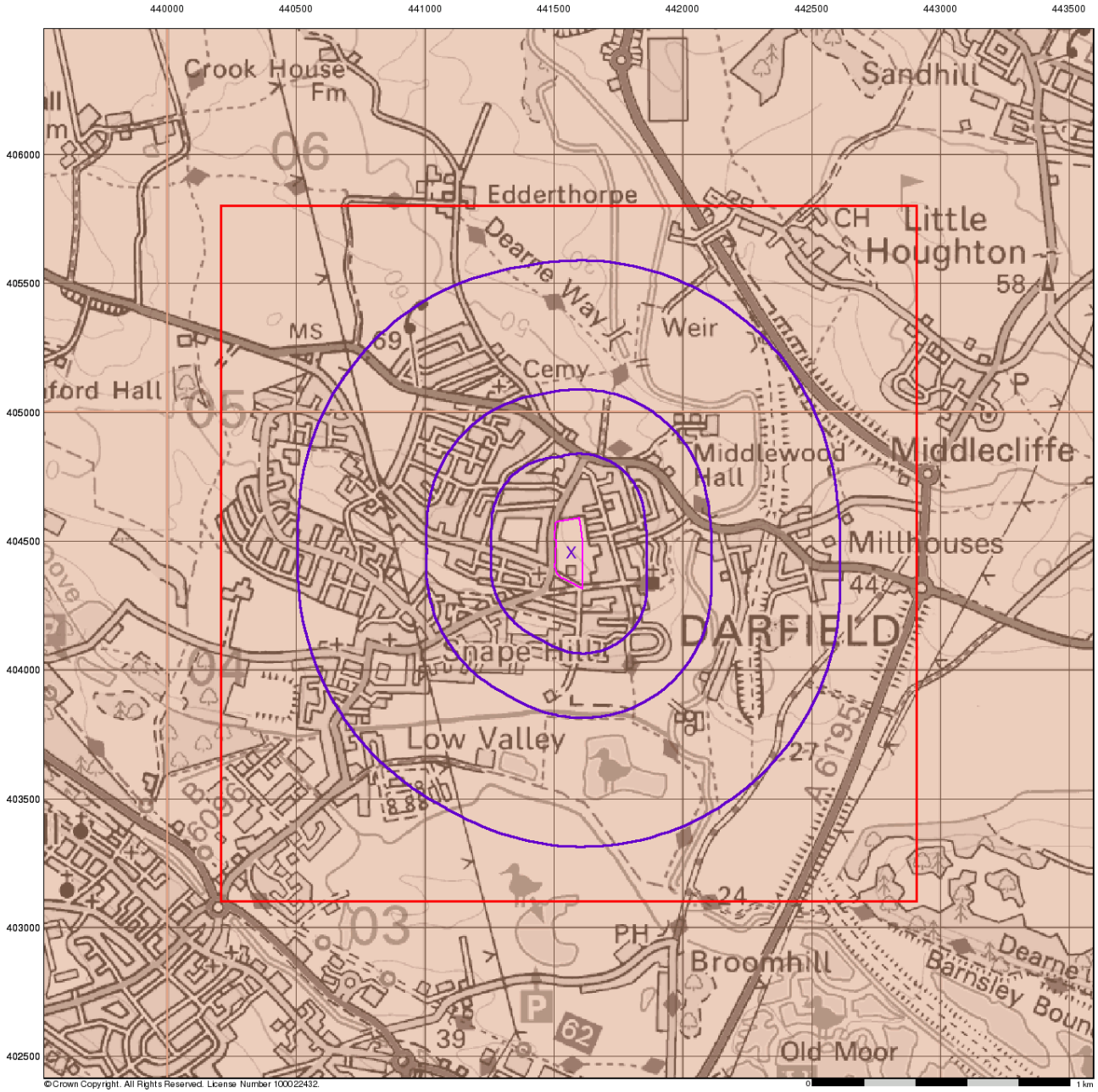
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Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

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Bedrock Aquifer Designation

General

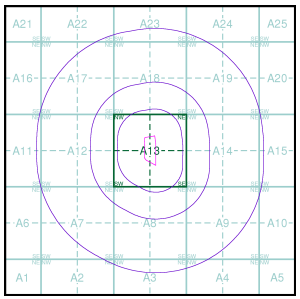
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	49293506_1_1
Customer Ref:	2773
National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

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Superficial Aquifer Designation

General

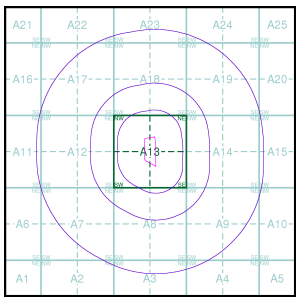
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A

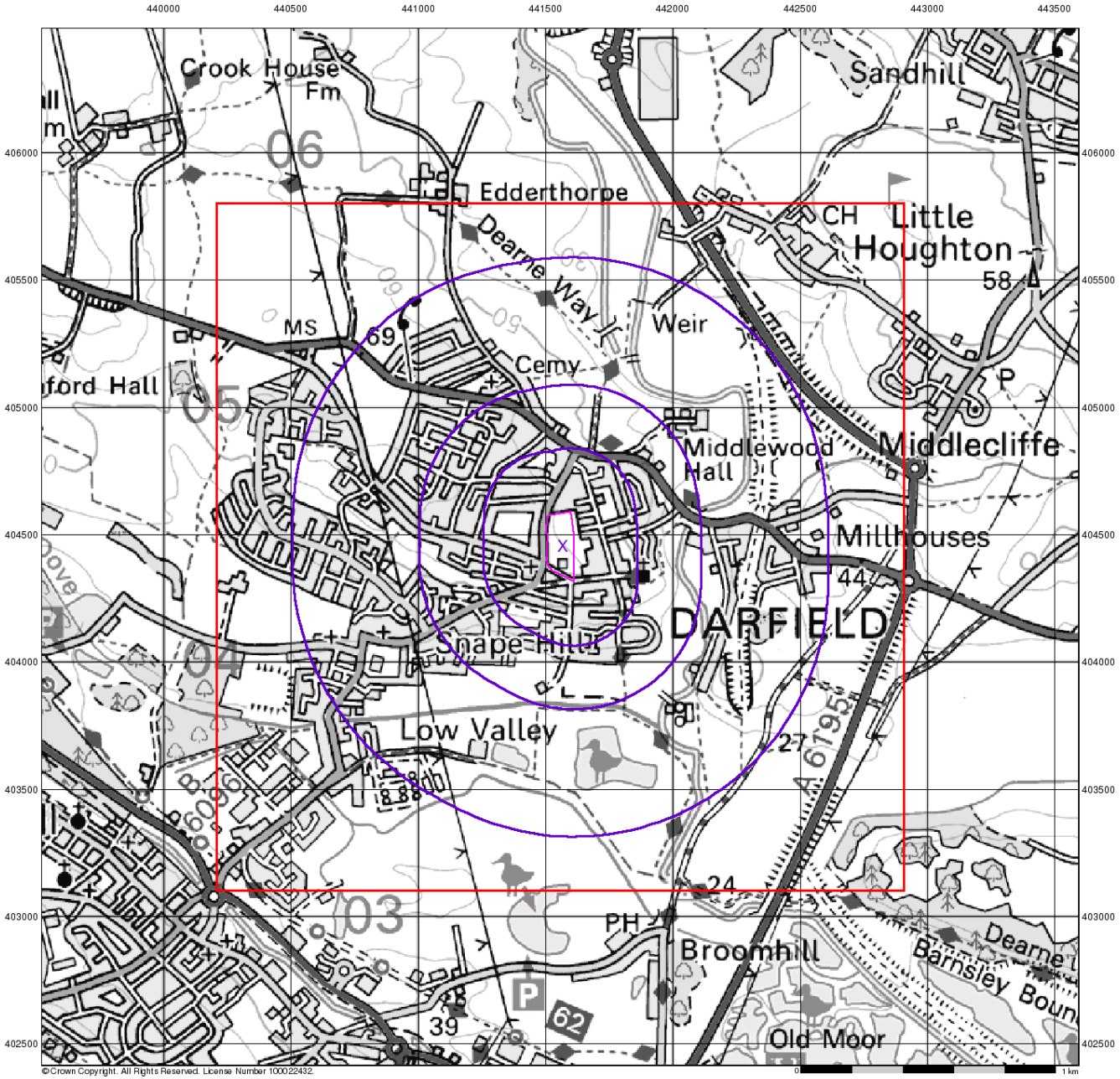


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Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

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Source Protection Zones

General

Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Agency and Hydrological

Source Protection Zone I

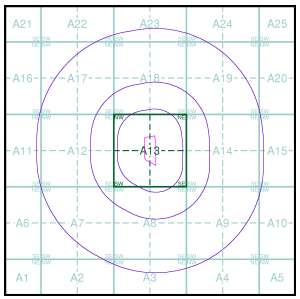
Source Protection Zone II

Source Protection Zone III

Zone of Special Interest

Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

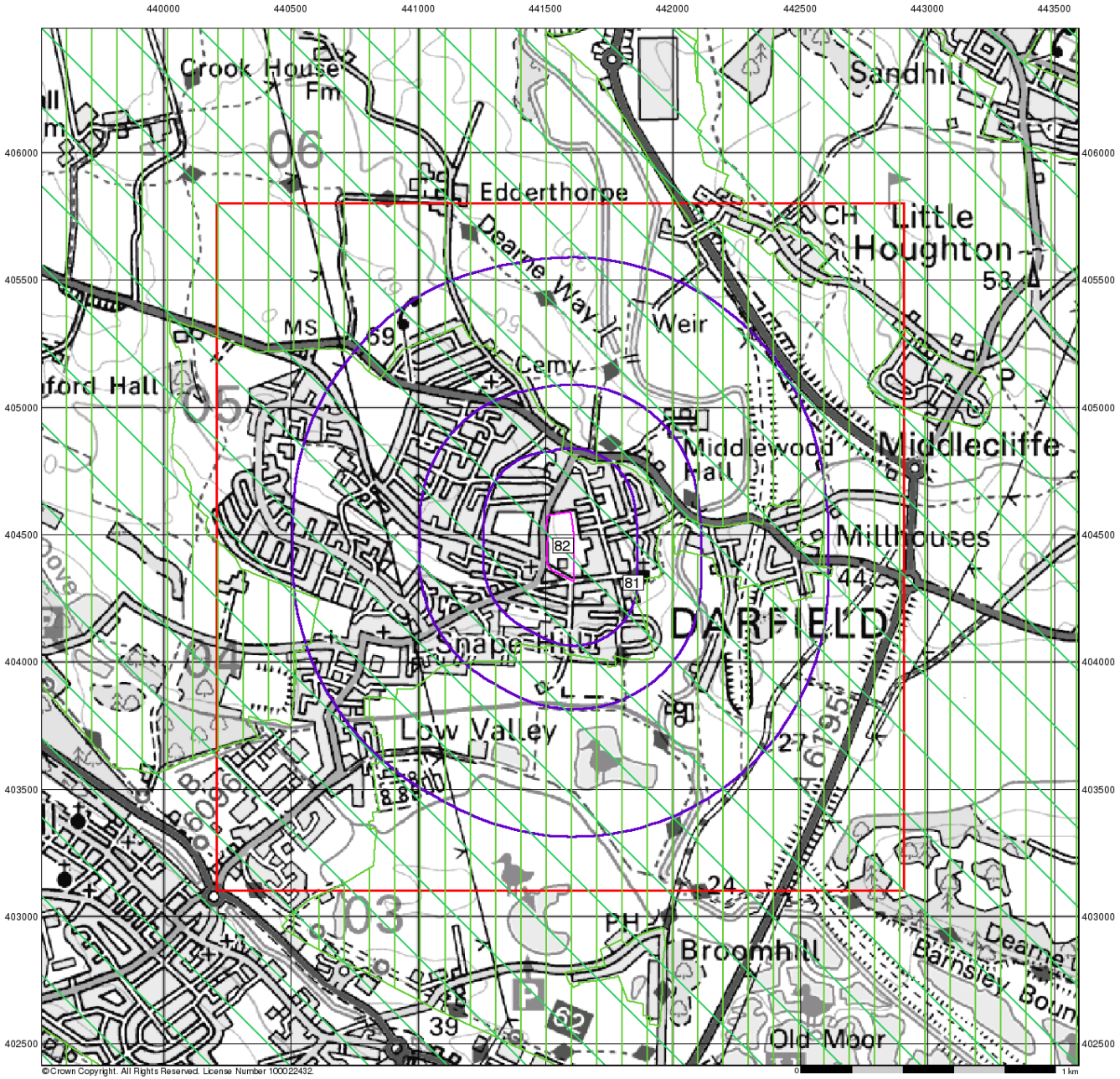
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Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

9, Nanny Marr Road, Darfield, Barnsley, S73 9AB

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Sensitive Land Uses

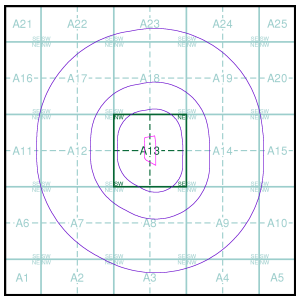
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

Site Sensitivity Context Map - Slice A



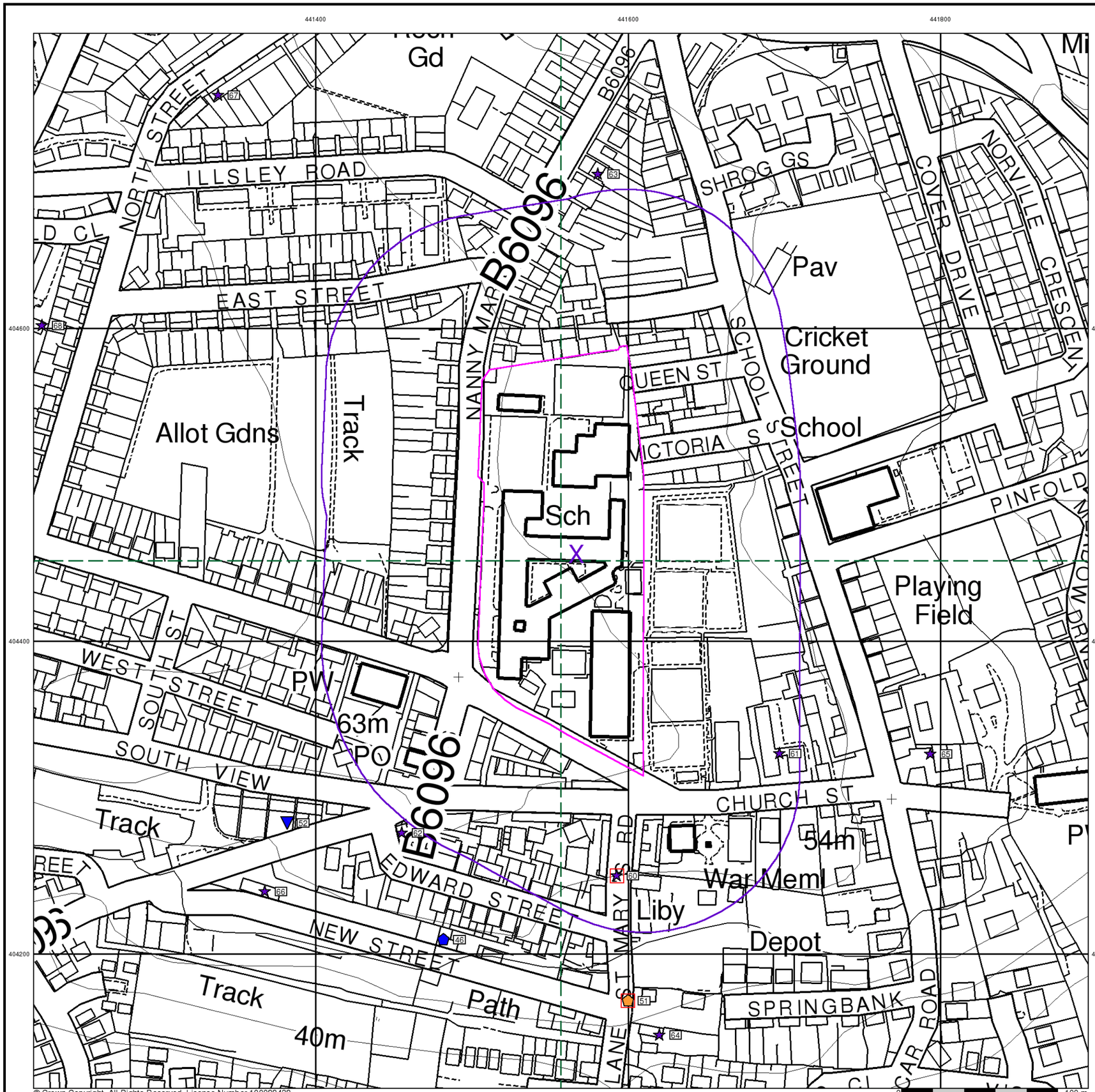
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Order Number:	49293506_1_1
Customer Ref:	2773
National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

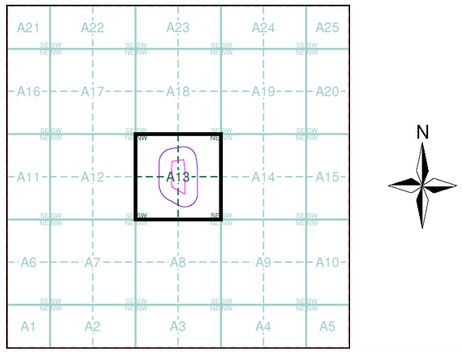
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Segment A13



Order Details

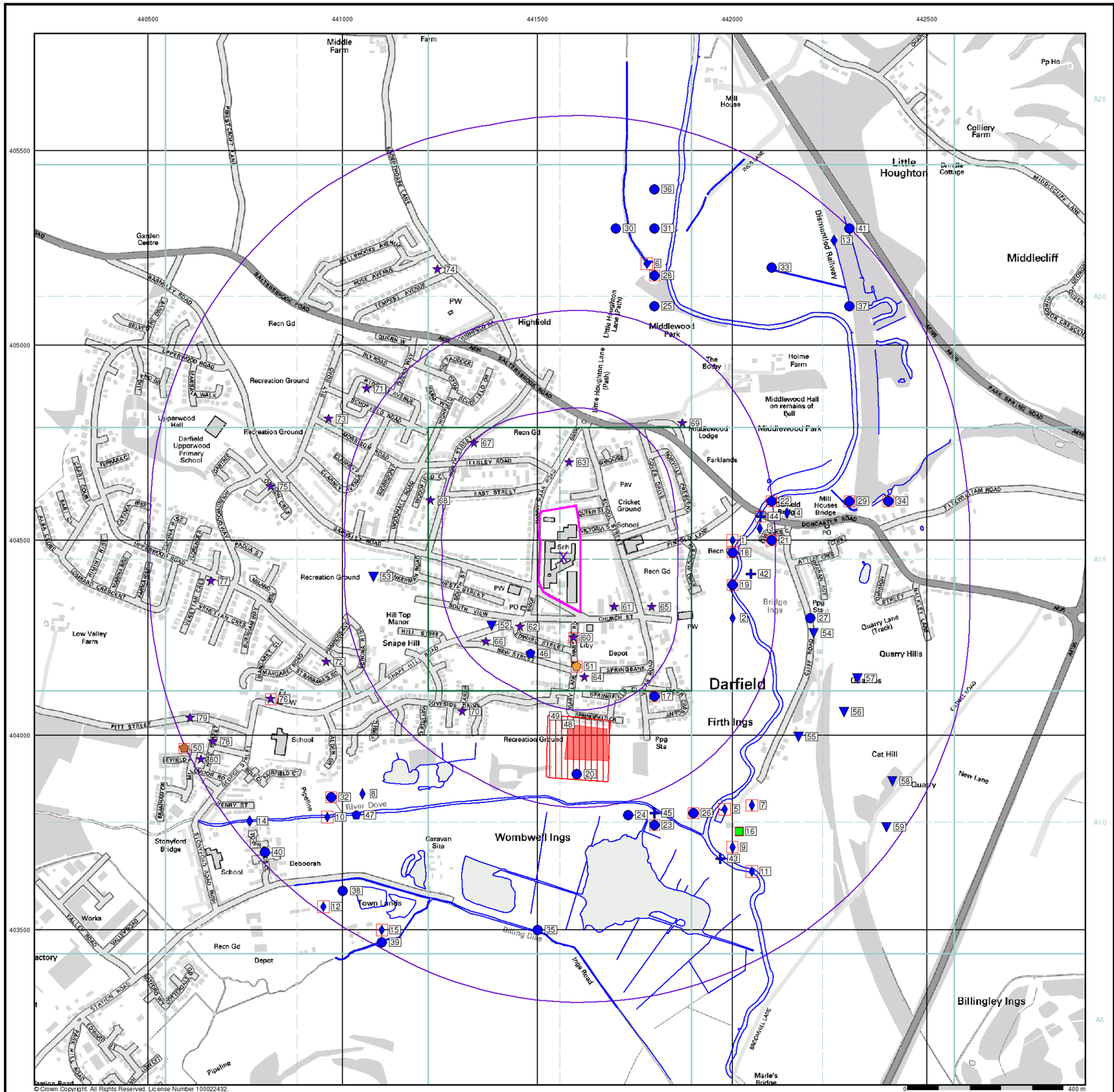
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Customer Ref:	2773
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Site Area (Ha):	2.45

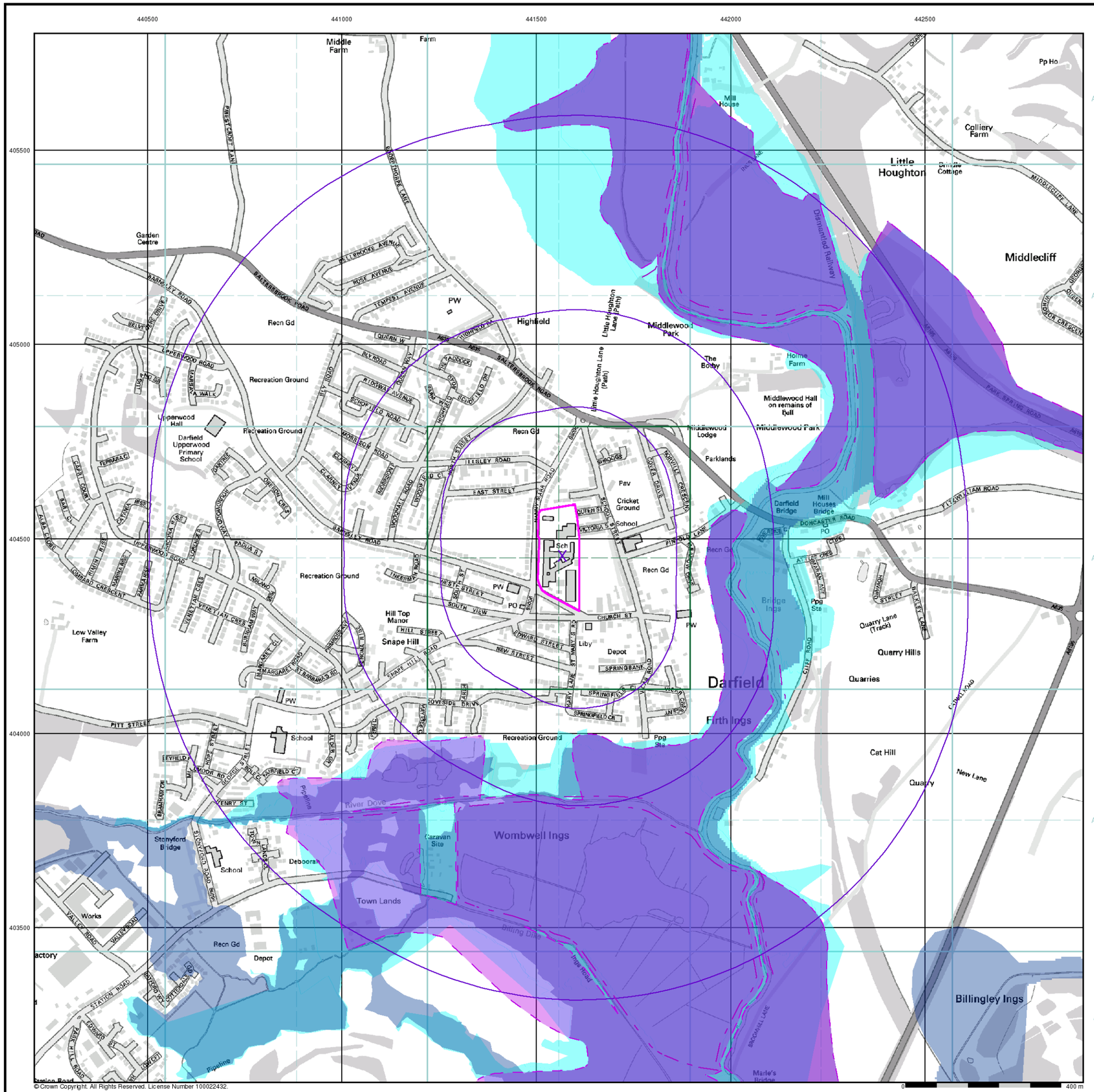
Site Details

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A5
Middle Farm
Farm
Mill House
Pp Ho
Colliery Farm
Little Houghton
Middlecliff
Garden Centre
Recn Gd
Highfield
Middlewood Park
Holme Farm
The Bothy
Middlewood Hall on remains of Hall
Middlewood Lodge
Parklands
Recreation Ground
Upperwood Hall
Darfield Upperwood Primary School
Cricket Ground
School
Mill Houses Bridge
Hill Top Manor
Snape Hill
Depot
Darfield
Firth Ings
Low Valley Farm
Quarry Hills
Cat Hill
Quarry
New Lane
Wombwell Ings
Caravan Site
Debdoorah
Stonyford Bridge
Town Lands
Billingley Ings
Marle's Bridge
Works
Pipeline
River Dove
Billing Dike
Ings Road
Dismantled Railway
Little Houghton Lane (Path)
Bridge Ings
Ppg Sta
Liby
PW
PO
Pav
Sch
Barnsley Road
Salterbrook Road
Doncaster Road
Fitzwilliam Road
Park Spring Road
Middlecliffe Lane
Church St
Spring Bank
Victoria St
School St
Queen St
Pinfold Lane
Cliff Road
Clumpit Road
Ings Lane
Broomhill Lane
Station Road
Pitt Street
Henry St
Queen Way
Rly Road
Schofields Road
East Street
Tissley Road
Sidings
Roger Dale
Horsille Crescent
Fitzwilliam Road
Doncaster Road
Nanny Marr Road
Margaret Road
Edward Street
New Street
Spring Field
Grove Side
Hill Street
Hall Cliffe
Hall Cliffe Rd
Hall Cliffe Drive
Hall Cliffe Close
Hall Cliffe Crescent
Hall Cliffe Walk
Hall Cliffe Way
Hall Cliffe Rise
Hall Cliffe Gdns
Hall Cliffe Mount
Hall Cliffe Park
Hall Cliffe Ave
Hall Cliffe Grove
Hall Cliffe Terrace
Hall Cliffe Court
Hall Cliffe Place
Hall Cliffe Square
Hall Cliffe Lane
Hall Cliffe Road
Hall Cliffe Street
Hall Cliffe Avenue
Hall Cliffe Crescent
Hall Cliffe Drive



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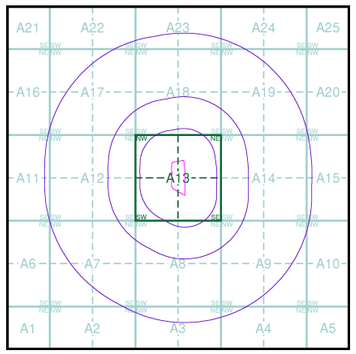
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



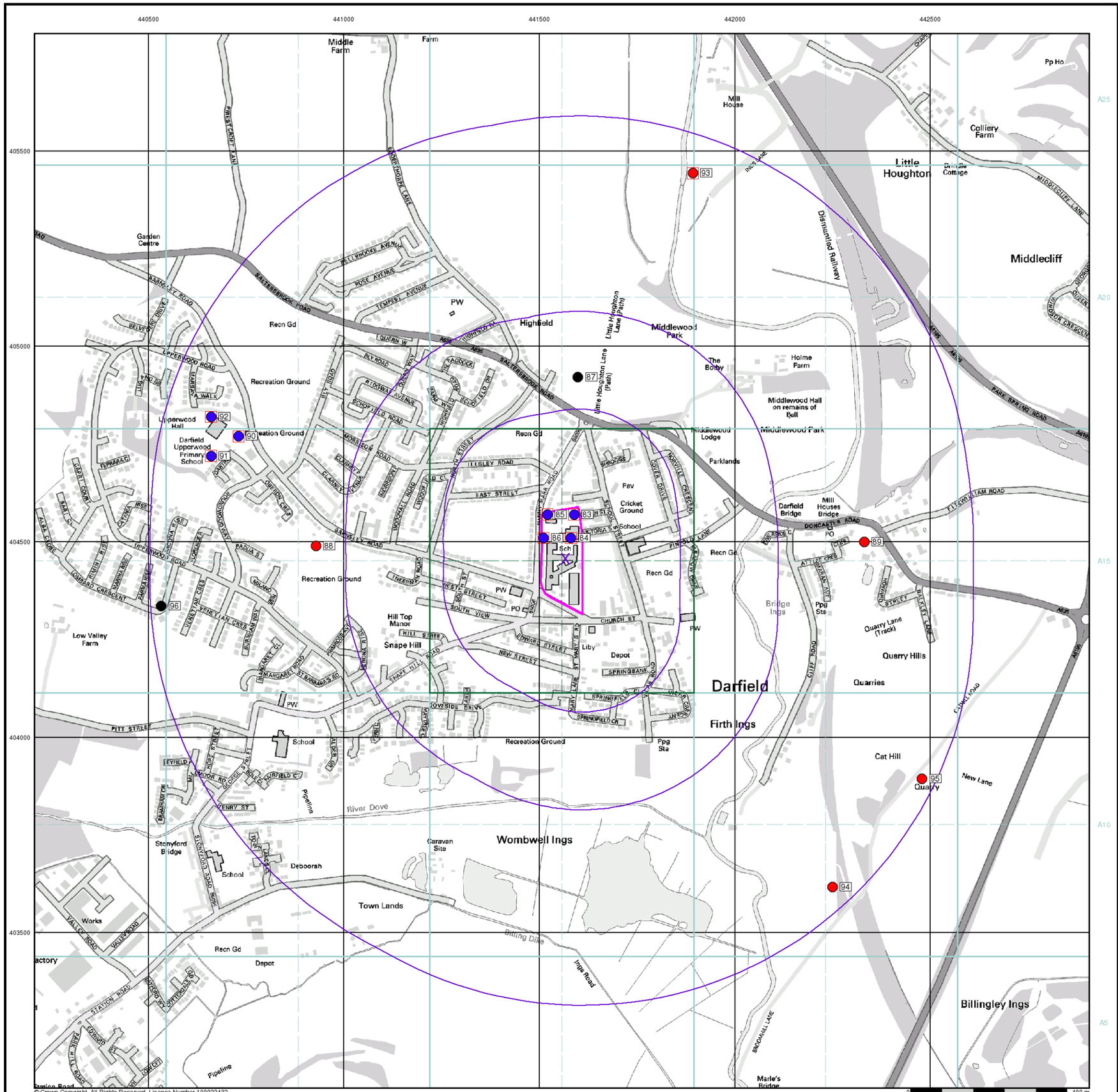
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Order Number:	49293506_1_1
Customer Ref:	2773
National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	1000

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

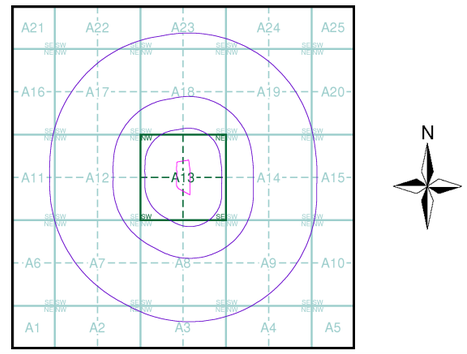
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

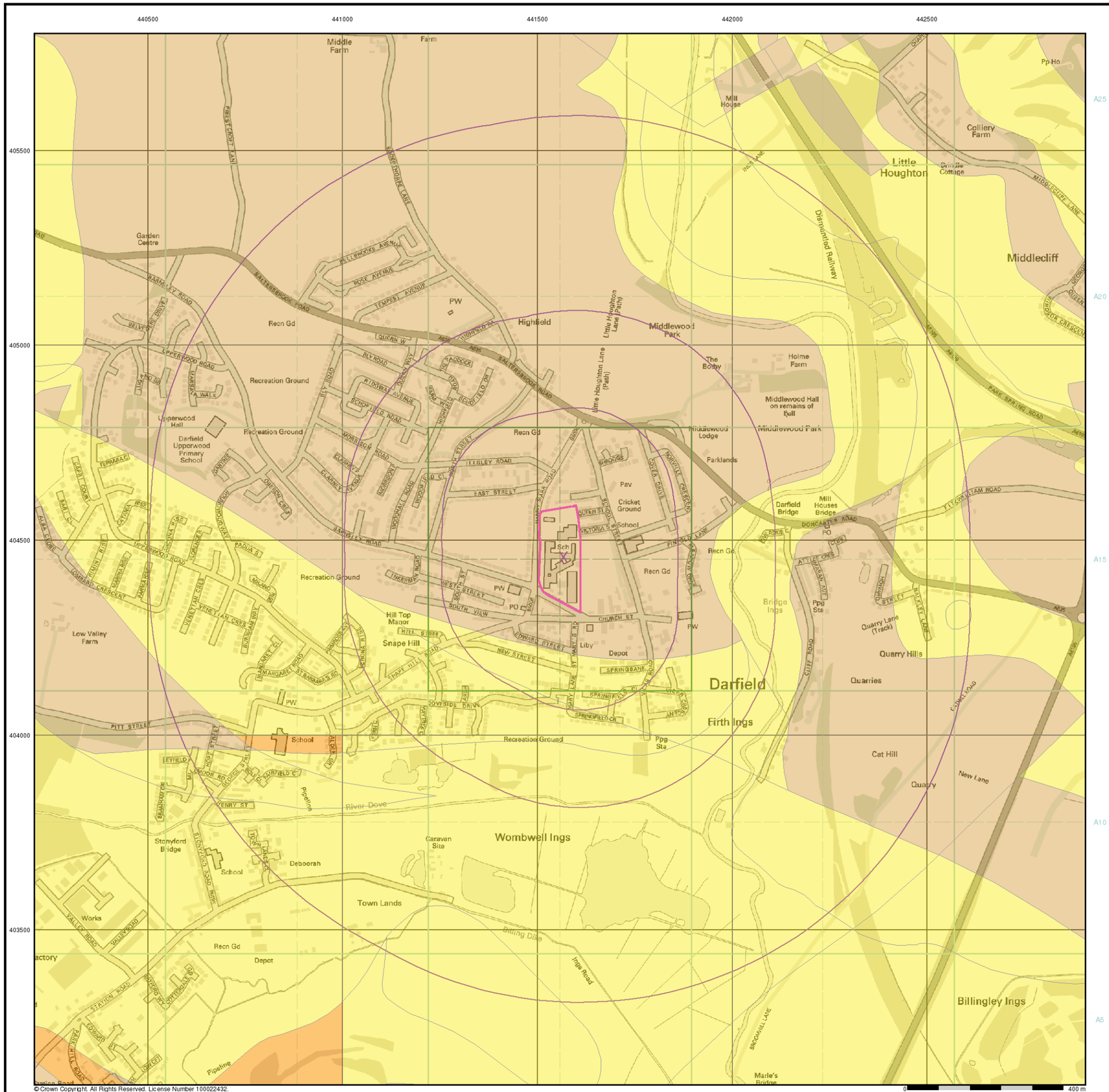
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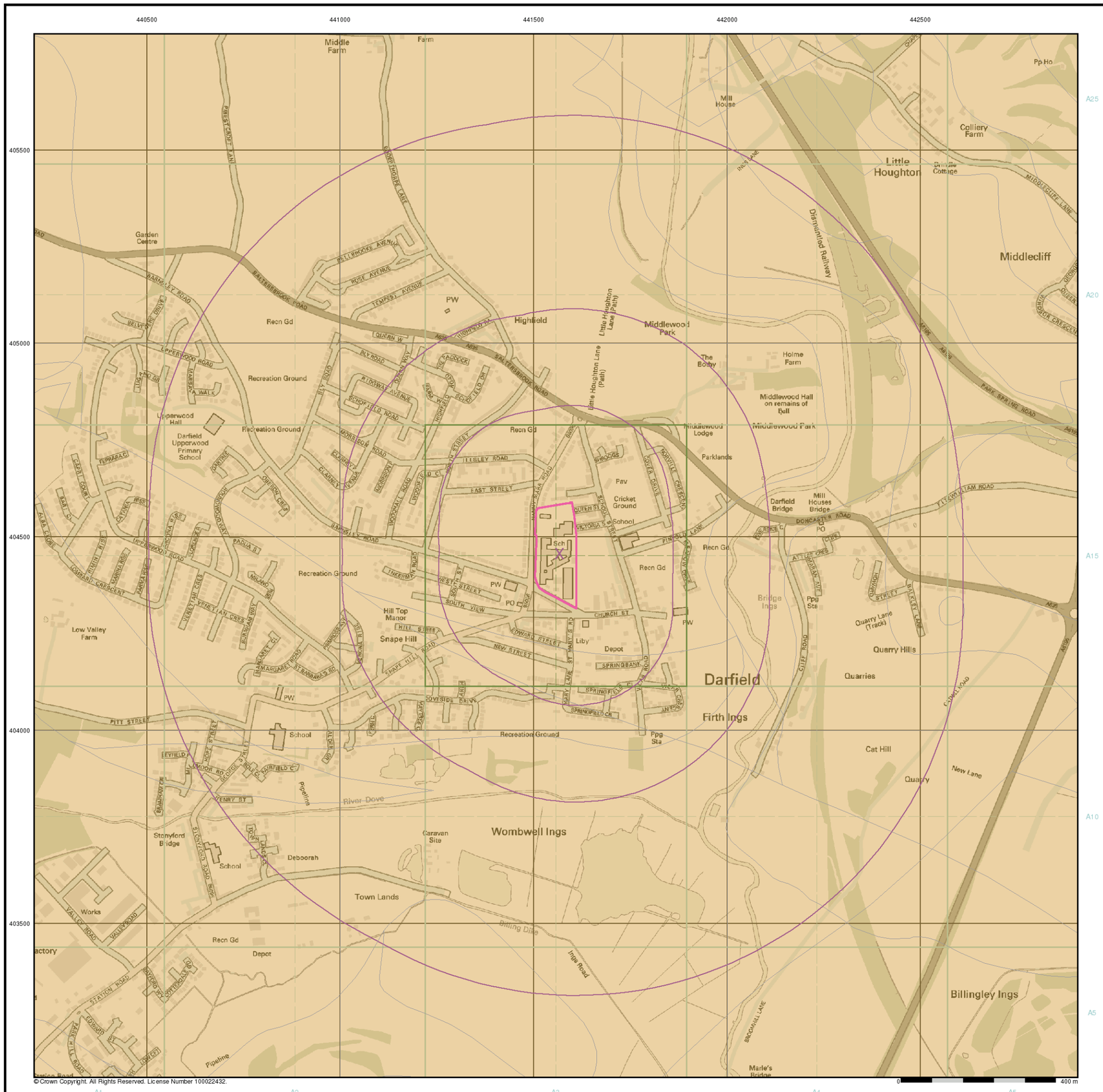
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Mill House
Colliery Farm
Little Houghton
Middlecliff
Garden Centre
Recn Gd
Highfield
Middlewood Park
Recreation Ground
Upperwood Hall
Darfield Upperwood Primary School
Middlewood Hall on remains of Hall
Holme Farm
The Bobby
Middlewood Lodge
Parklands
Darfield Bridge
Mill Houses Bridge
Cricket Ground
School
Pav
Hill Top Manor
Snape Hill
Liby
Depot
Darfield
Firth Ings
Quarry Hills
Quarries
Cat Hill
Quarry
New Lane
Low Valley Farm
Recreation Ground
Pitt Street
School
Pipeline
River Dove
Stonyford Bridge
Caravan Site
Wombwell Ings
Deboorah
Town Lands
Works
Recn Gd
Depot
Billing Dike
Ings Road
Billingley Ings
Marle's Bridge
Pipeline
Bridge Ings
Quarry Lane (Track)
Cliff Road
Canal Road
Dismantled Railway
Little Houghton Lane (Path)
Middlecliff Lane
Park Spring Road
Doncaster Road
Finish Lane
Church St
New Street
Victoria Street
Queen St
Sch
Pond
Pond
Pond



Envirocheck®

General

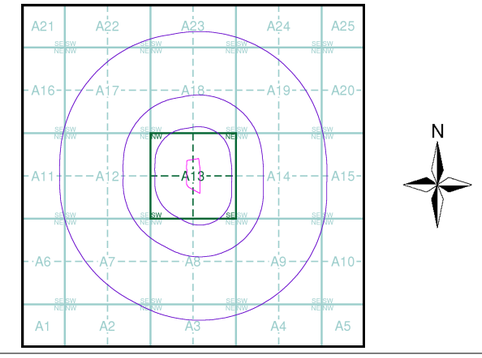
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



Order Details

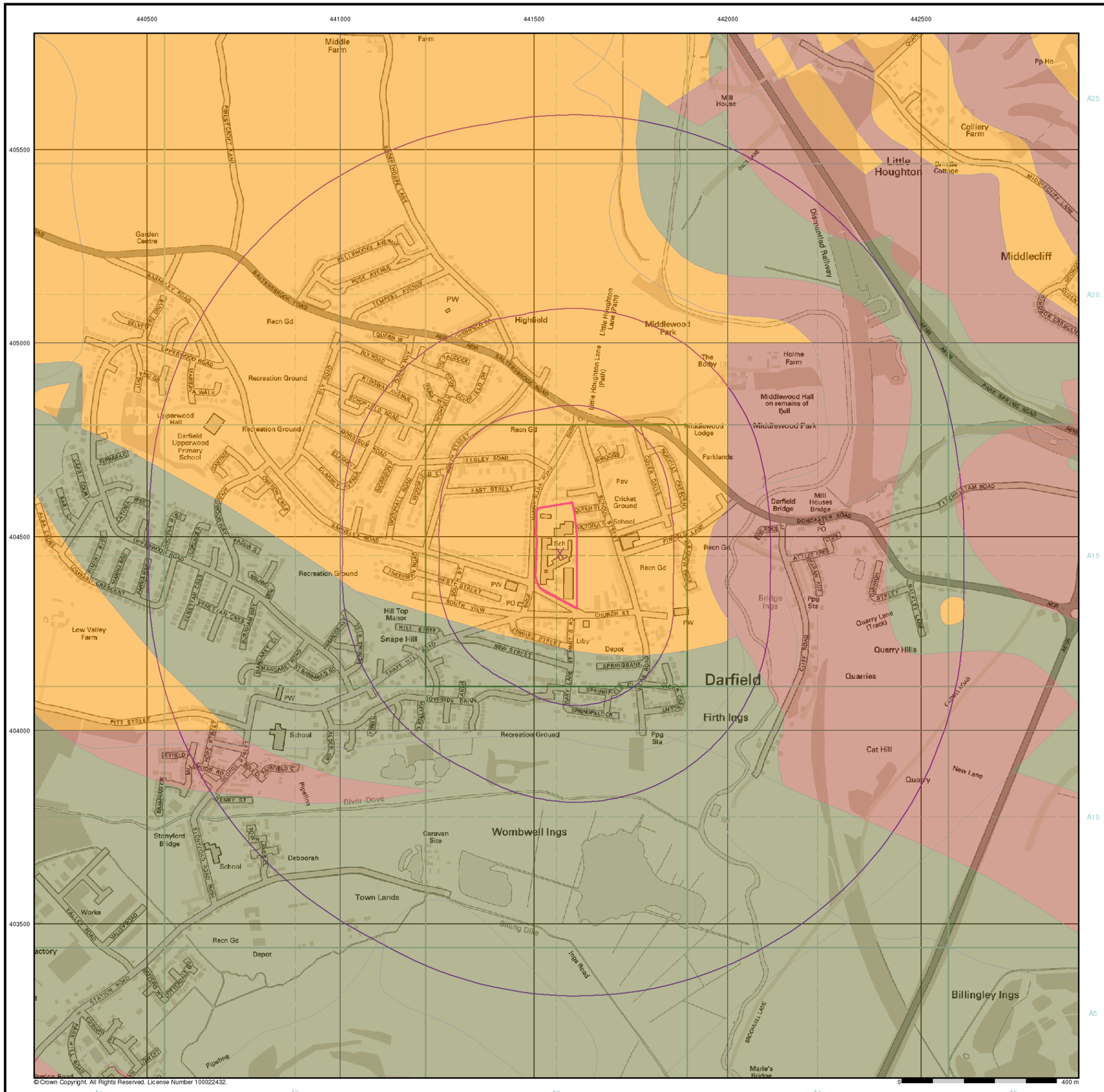
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Customer Ref:	2773
National Grid Reference:	441570, 404460
Slice:	A
Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

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General

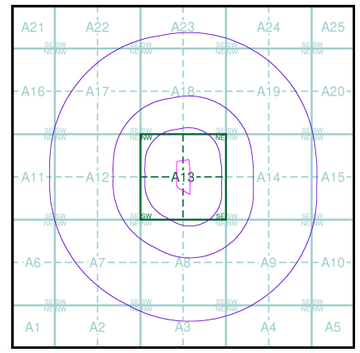
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



Order Details

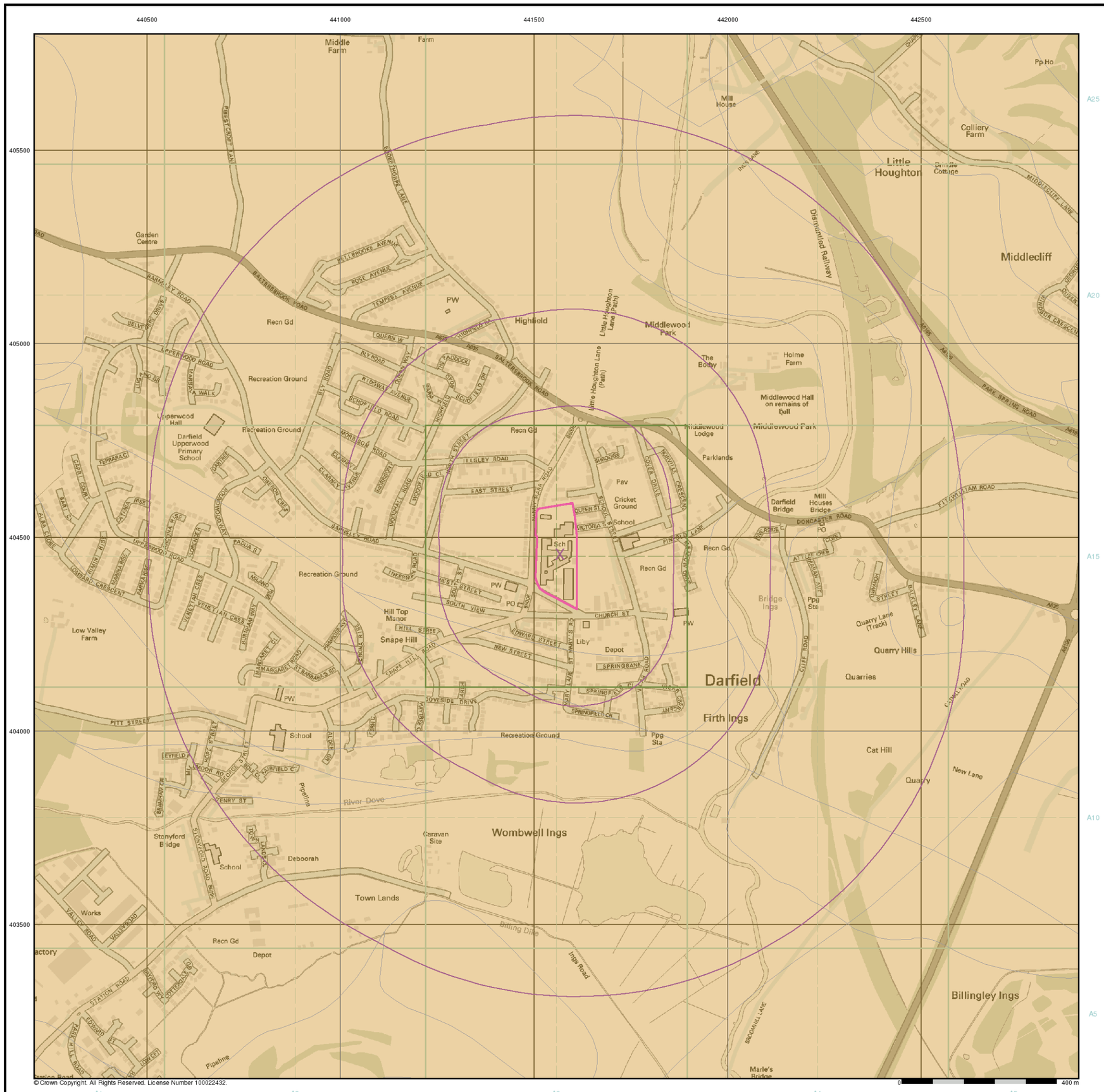
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Customer Ref:	2773
National Grid Reference:	441570, 404460
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Site Area (Ha):	2.45
Search Buffer (m):	1000

Site Details

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General

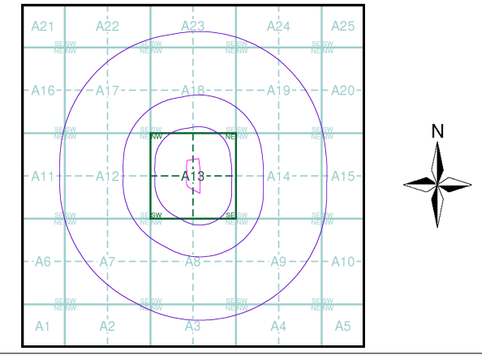
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

Estimated Soil Chemistry Lead - Slice A



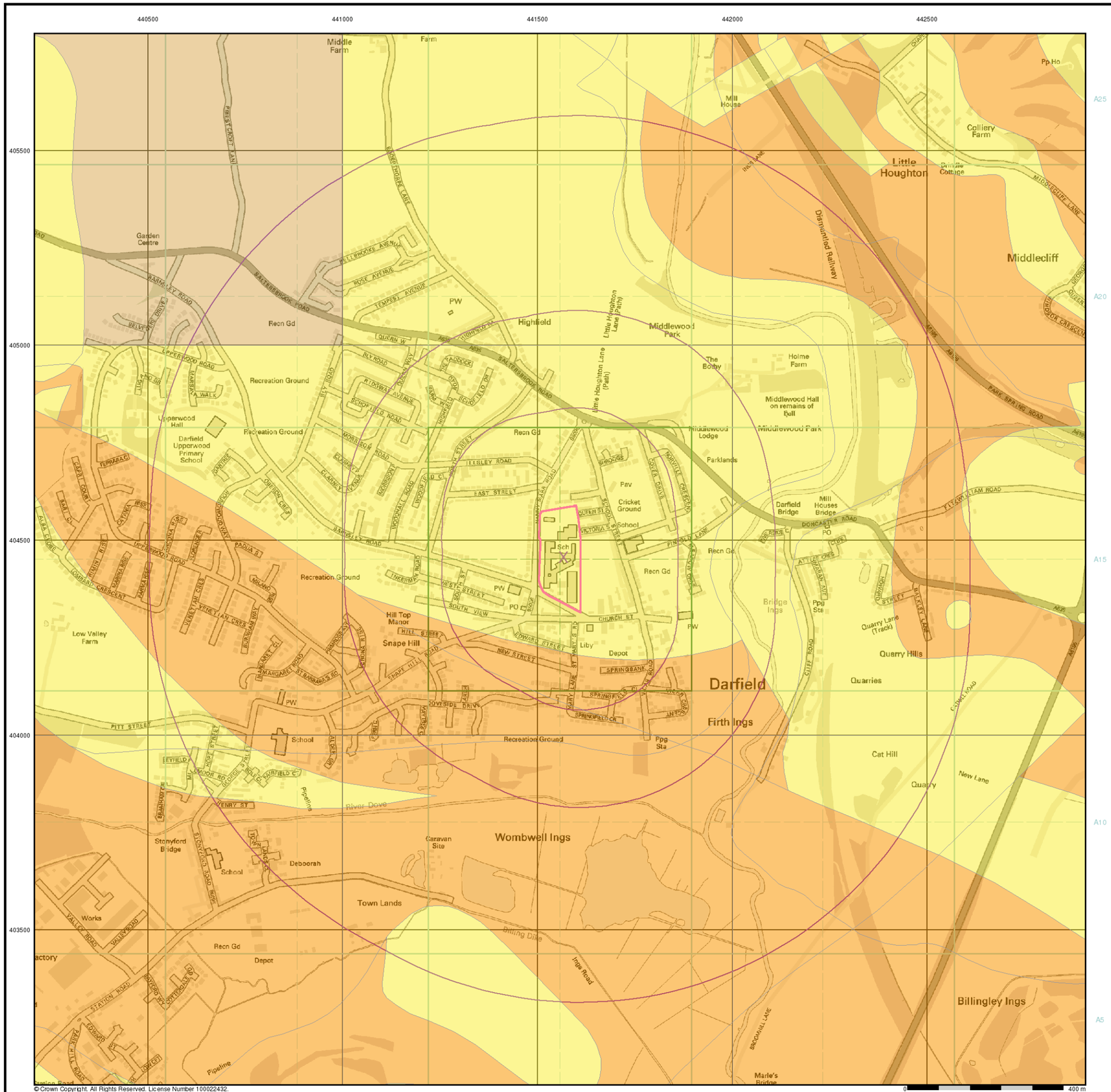
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Order Details:	49293506_1_1
Customer Ref:	2773
National Grid Reference:	441570, 404460
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Site Area (Ha):	2.45
Search Buffer (m):	1000

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Middle Farm
Farm
Mill House
Colliery Farm
Little Houghton
Middlecliff
Dismantled Railway
Garden Centre
Recn Gd
Highfield
Middlewood Park
Holme Farm
Middlewood Hall on remains of Hall
Middlewood Lodge
Parklands
Recreation Ground
Upperwood Hall
Darfield Upperwood Primary School
Cricket Ground
School
Darfield Bridge
Mill Houses Bridge
Hill Top Manor
Snape Hill
Liby
Depot
Darfield
Low Valley Farm
Quarry Hills
Quarries
Firth Ings
Cat Hill
Quarry
New Lane
Pipeline
River Dove
Stonyford Bridge
Caravan Site
Wombwell Ings
Deboorah
Town Lands
Billingley Ings
Works
Billing Dike
Inge Road
Marle's Bridge
Bridge Ings
Ppg Sta
Pp Ho
Pav
PW
PO
Sch
Recreation Ground
Depot
Little Houghton Lane (Path)
Barnsley Road
Salterbrook Road
Doncaster Road
Church St
Pitt Street
Station Road
Valley Road
Quarry Lane (Track)
Cliff Road
Canal Road
Broomhill Lane
Park Spring Road
Middlecliff Lane
Ince Lane
Barrel Thorpe Lane
Fitzwilliam Road
Finsley Lane
Victoria Street
Queen Street
Schofield Road
Ridgeway Avenue
Tempest Avenue
Rose Avenue
Bellbrooke Avenue
Elly Road
Queen Way
Ings Road
Springbank
Springfield Cl
Dovedale Drive
Edward Street
New Street
Hill Street
Shaw Lane
Sandygate
Ash Grove
Ash Close
Queen Ave
Queen Cres
Victoria Cres
Victoria Ave
Victoria Rise
Victoria Gdns
Victoria Rd
Victoria Mount
Victoria Ct
Victoria Walk
Victoria Way
Victoria Grove
Victoria Crescent
Victoria Close
Victoria Drive
Victoria Court
Victoria Mews
Victoria Gate
Victoria Park
Victoria Square
Victoria Terrace
Victoria Place
Victoria Avenue
Victoria Street
Victoria Road
Victoria Lane
Victoria Gardens

APPENDIX 5

LANDMARK ENVIRONMENTAL REPORT

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
49293506_1_1

Customer Reference:
2773

National Grid Reference:
441570, 404460

Slice:
A

Site Area (Ha):
2.45

Search Buffer (m):
1000

Site Details:

9, Nanny Marr Road
Darfield
Barnsley
S73 9AB

Client Details:

MR J Henning
Integra Consulting Engineers
Suite 3
14-32 Hewitt Street
Manchester
M15 4GB

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	34
Hazardous Substances	-
Geological	36
Industrial Land Use	46
Sensitive Land Use	48
Data Currency	49
Data Suppliers	53
Useful Contacts	54

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 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 the attached 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 v47.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			4	63
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 17				2
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 18			Yes	
Pollution Incidents to Controlled Waters	pg 18			15	34
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 26			3	4
River Quality Biology Sampling Points	pg 27			1	1
River Quality Chemistry Sampling Points	pg 29			2	1
Substantiated Pollution Incident Register	pg 31		1		1
Water Abstractions	pg 32				(*4)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 32	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 33	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				n/a	n/a
Flooding from Rivers or Sea without Defences				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
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 34			1	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites	pg 34			1	
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 34				2
Registered Waste Treatment or Disposal Sites	pg 35		2		

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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 36	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 36	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 43		1	1	6
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 45	Yes	n/a	n/a	n/a
Mining Instability	pg 45	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 45	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 45	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 45	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 45		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 45		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 46		9	3	11
Fuel Station Entries					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt	pg 48		1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 48	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Sso Off Pinfold Lane, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3826 Permit Version: 1 Effective Date: 17th October 1984 Issued Date: 17th October 1984 Revocation Date: 14th October 2003 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A14NW (E)	390	1	442000 404500
1	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Pinfold Lane Recreation Cso Pinfold Lane, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7983 Permit Version: 1 Effective Date: 18th March 2003 Issued Date: 18th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **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	A14NW (E)	410	1	442020 404500
2	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Darfield (Cliff Road) Sps Cliff Road, Darfield, Nr Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Ywucd1/30 Permit Version: 1 Effective Date: 12th November 1997 Issued Date: 12th November 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A14SW (E)	391	1	442000 404300
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Riverside Close Darfield Cso Riverside Close Junction Cliff, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra9255 Permit Version: 1 Effective Date: 4th September 2007 Issued Date: 4th September 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **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	A14NW (E)	463	1	442070 404550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Darfield Road Cso Doncaster/Adj Mill Houses Bridge, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra9256 Permit Version: 1 Effective Date: 4th September 2007 Issued Date: 4th September 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **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	A14NW (E)	524	1	442130 404570
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	606	1	441960 403820
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 5 Effective Date: 10th April 2002 Issued Date: 10th April 2002 Revocation Date: 28th April 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	606	1	441960 403820
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 6 Effective Date: 29th April 2002 Issued Date: 10th April 2002 Revocation Date: 30th June 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	606	1	441960 403820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 7 Effective Date: 1st July 2002 Issued Date: 10th April 2002 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	606	1	441960 403820
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 5 Effective Date: 10th April 2002 Issued Date: 10th April 2002 Revocation Date: 28th April 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	626	1	441980 403810
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	629	1	442010 403830
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 6 Effective Date: 29th April 2002 Issued Date: 10th April 2002 Revocation Date: 30th June 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	629	1	442010 403830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 7 Effective Date: 1st July 2002 Issued Date: 10th April 2002 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	629	1	442010 403830
6	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Edderthorpe Lne & Nanny Marr Rd Cso, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra8080 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 17th November 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of River Dearne **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	A18NE (N)	647	1	441780 405210
6	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Edderthorpe Lne & Nanny Marr Rd Cso, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra8081 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 17th November 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of River Dearne **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	A18NE (N)	647	1	441780 405210
7	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	662	1	442050 403820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 5 Effective Date: 10th April 2002 Issued Date: 10th April 2002 Revocation Date: 28th April 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	662	1	442050 403820
7	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 6 Effective Date: 29th April 2002 Issued Date: 10th April 2002 Revocation Date: 30th June 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	662	1	442050 403820
7	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 7 Effective Date: 1st July 2002 Issued Date: 10th April 2002 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	662	1	442050 403820
8	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Doveside Drive Sps Doveside Drive, Low Valley, Darfield, Barnsley, Wf10 1ld Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7001 Permit Version: 1 Effective Date: 15th December 1993 Issued Date: 15th December 1993 Revocation Date: 26th February 2003 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove **Status: New Consent, by Application (Water Resources Act 1991, Section 88)** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	697	1	441050 403850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 4 Effective Date: 21st December 2001 Issued Date: 21st December 2001 Revocation Date: 9th April 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	728	1	442000 403700
9	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 4 Effective Date: 21st December 2001 Issued Date: 21st December 2001 Revocation Date: 9th April 2002 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	728	1	442000 403700
9	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 2 Effective Date: 10th October 1985 Issued Date: 10th October 1985 Revocation Date: 20th December 2001 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Transferred from COPA 1974** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	728	1	442000 403700
9	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 2 Effective Date: 10th October 1985 Issued Date: 10th October 1985 Revocation Date: 20th December 2001 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Transferred from COPA 1974** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	728	1	442000 403700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 1 Effective Date: 1st June 1981 Issued Date: 1st June 1981 Revocation Date: 9th October 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Transferred from 1978 Order** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	728	1	442000 403700
9	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 1 Effective Date: 1st June 1981 Issued Date: 1st June 1981 Revocation Date: 9th October 1985 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Transferred from 1978 Order** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	728	1	442000 403700
9	**Discharge Consents** Operator: Darfield Urban District Council Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 3 Effective Date: 12th November 1973 Issued Date: 12th November 1973 Revocation Date: 31st May 1981 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	728	1	442000 403700
9	**Discharge Consents** Operator: Darfield Urban District Council Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 3 Effective Date: 12th November 1973 Issued Date: 12th November 1973 Revocation Date: 31st May 1981 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	728	1	442000 403700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 19 Effective Date: 1st April 2009 Issued Date: 14th October 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 19 Effective Date: 1st April 2009 Issued Date: 14th October 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 18 Effective Date: 31st March 2009 Issued Date: 31st March 2009 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 18 Effective Date: 31st March 2009 Issued Date: 31st March 2009 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 16 Effective Date: 31st March 2008 Issued Date: 25th February 2005 Revocation Date: 30th March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 16 Effective Date: 31st March 2008 Issued Date: 25th February 2005 Revocation Date: 30th March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 14 Effective Date: 9th September 1998 Issued Date: 9th September 1998 Revocation Date: 30th December 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 14 Effective Date: 9th September 1998 Issued Date: 9th September 1998 Revocation Date: 30th December 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 15 Effective Date: 31st December 2000 Issued Date: 9th September 1998 Revocation Date: 30th March 2008 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 15 Effective Date: 31st December 2000 Issued Date: 9th September 1998 Revocation Date: 30th March 2008 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 13 Effective Date: 8th April 1998 Issued Date: 8th April 1998 Revocation Date: 8th September 1998 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 13 Effective Date: 8th April 1998 Issued Date: 8th April 1998 Revocation Date: 8th September 1998 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	782	1	440990 403790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: Wombwell, Wombwell, Wombwell, Wombwell Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 12 Effective Date: 1st May 1997 Issued Date: 1st May 1997 Revocation Date: 7th April 1998 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: Wombwell, Wombwell, Wombwell, Wombwell Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 11 Effective Date: 1st November 1996 Issued Date: 1st November 1996 Revocation Date: 30th April 1997 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 9 Effective Date: 31st May 1996 Issued Date: 22nd May 1996 Revocation Date: 30th June 1996 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Revised Consent, by Notice (Section 37(1))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 10 Effective Date: 1st July 1996 Issued Date: 22nd May 1996 Revocation Date: 7th April 1998 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Revised Consent, by Notice (Section 37(1))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 9 Effective Date: 31st May 1996 Issued Date: 22nd May 1996 Revocation Date: 30th June 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Revised Consent, by Notice (Section 37(1))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 10 Effective Date: 1st July 1996 Issued Date: 22nd May 1996 Revocation Date: 7th April 1998 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Revised Consent, by Notice (Section 37(1))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 8 Effective Date: 31st March 1996 Issued Date: 18th March 1996 Revocation Date: 30th May 1996 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Revised Consent, by Notice (Section 37(1))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 8 Effective Date: 31st March 1996 Issued Date: 18th March 1996 Revocation Date: 30th May 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Revised Consent, by Notice (Section 37(1))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 7 Effective Date: 6th March 1995 Issued Date: 6th March 1995 Revocation Date: 30th March 1996 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Revised Consent, by Application (Water Resources Act 1991, Section 34(2))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 7 Effective Date: 6th March 1995 Issued Date: 6th March 1995 Revocation Date: 30th March 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Revised Consent, by Application (Water Resources Act 1991, Section 34(2))** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: Wombwell, Wombwell, Wombwell, Wombwell Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 6 Effective Date: 1st November 1994 Issued Date: 1st November 1994 Revocation Date: 30th April 1995 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: Wombwell, Wombwell, Wombwell, Wombwell Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 5 Effective Date: 1st May 1994 Issued Date: 1st May 1994 Revocation Date: 31st October 1994 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: Wombwell, Wombwell, Wombwell, Wombwell Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 4 Effective Date: 1st November 1993 Issued Date: 1st November 1993 Revocation Date: 30th April 1994 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: Wombwell, Wombwell, Wombwell, Wombwell Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 3 Effective Date: 1st May 1993 Issued Date: 1st May 1993 Revocation Date: 31st October 1993 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Undefined Or Other Location: Wombwell, Wombwell, Wombwell, Wombwell Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 2 Effective Date: 1st November 1992 Issued Date: 1st November 1992 Revocation Date: 30th April 1993 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	802	1	440960 403790
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 1 Effective Date: 11th December 1990 Issued Date: 11th December 1990 Revocation Date: 5th March 1995 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Transferred from Water Act 1989** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	802	1	440960 403790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Doveside Drive Sps Doveside Drive, Low Valley, Darfield, Barnsley, Wf10 1ld Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7001 Permit Version: 2 Effective Date: 27th February 2003 Issued Date: 27th February 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	816	1	440940 403790
11	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	797	1	442050 403650
11	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 5 Effective Date: 10th April 2002 Issued Date: 10th April 2002 Revocation Date: 28th April 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	797	1	442050 403650
11	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 6 Effective Date: 29th April 2002 Issued Date: 10th April 2002 Revocation Date: 30th June 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	797	1	442050 403650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Darfield Wwtw Cliff Road, Darfield, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E281 Permit Version: 7 Effective Date: 1st July 2002 Issued Date: 10th April 2002 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dearne **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	797	1	442050 403650
12	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 17 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	946	1	440990 403580
12	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wwtw, Ings Road, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wa 6273 Permit Version: 17 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove And Bulling Dyke **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	986	1	440950 403560
13	**Discharge Consents** Operator: Med Contracting Property Type: Trade (Unknown/Other) Location: Med Contracting, Firtree Phase 3 Si, Te, Rotherham Road, Barnsley - S, Ite Drainage Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: WRA7356 Permit Version: 1 Effective Date: 19th August 1997 Issued Date: 19th August 1997 Revocation Date: 5th May 1999 Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Dearne **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	949	1	442260 405270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Gerorge Street Darfield No.1 Cso George Street, Wombwell, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra9257 Permit Version: 1 Effective Date: 4th September 2007 Issued Date: 4th September 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Dove **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	A7NW (SW)	957	1	440760 403780
15	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wpc Works Storm Tanks Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E706 (Ss) Permit Version: 1 Effective Date: 16th November 1981 Issued Date: 16th November 1981 Revocation Date: 4th November 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Ditch Receiving Water: Bulling Dyke **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	959	1	441100 403500
15	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Wombwell Wpc Works Storm Tanks Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E706(Ss) Permit Version: 1 Effective Date: 16th November 1981 Issued Date: 16th November 1981 Revocation Date: 4th November 1992 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Ditch Receiving Water: Bulling Dyke **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	959	1	441100 403500
16	**Integrated Pollution Prevention And Control** Name: Yorkshire Water Services Limited Location: Darfield Sludge Treatment Facility, Darfield Wwtw, Cliff Road, Darley, Barnsley, South Yorkshire, S73 9LB Authority: Environment Agency, North East Region Permit Reference: GP3136LE Original Permit Ref: Gp3136le Effective Date: 30th April 2007 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned within the geographical locality Activity Code: 5.3 A(1) (C) (II) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Physico-Chemical Treatment Primary Activity: Y	A9SW (SE)	694	1	442017 403753

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Integrated Pollution Prevention And Control** Name: Yorkshire Water Services Limited Location: Darfield Sludge Treatment Facility, Cliff Road, Darfield, Barnsley, South Yorkshire, S73 9LB Authority: Environment Agency, North East Region Permit Reference: NP3837UQ Original Permit Ref: Gp3136le Effective Date: 23rd September 2008 **Status: Effective** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the address or location Activity Code: 5.3 A(1) (C) (II) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Physico-Chemical Treatment Primary Activity: Y	A9SW (SE)	721	1	442031 403730
	Nearest Surface Water Feature	A14SW (E)	384	-	441994 404389
17	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 30th July 1993 Incident Reference: 146595 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	A8NE (SE)	287	1	441800 404100
17	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 28th September 1993 Incident Reference: 148162 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	A8NE (SE)	291	1	441800 404095
18	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: River Dearne, Near Bridge Pub, DARFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; No Fish Killed Incident Date: 5th May 1996 Incident Reference: SH960183 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	390	1	442000 404495
18	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Pinfold Lane Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 22nd February 1989 Incident Reference: 6787 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	A14NW (E)	390	1	442000 404500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Pinfold Lane, Darfield, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: River Dearne; Fish Killed: No Information Incident Date: 8th September 1998 Incident Reference: SH980409 Catchment Area: Dearne 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	A14NW (E)	395	1	442005 404500
18	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: River Dearne, Near Bridge Pub, DARFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 5th May 1996 Incident Reference: SH960183 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	395	1	442005 404495
19	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Combined Sewer Overflow Location: Dearne At, DARFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; No Fish Killed Incident Date: 28th February 1996 Incident Reference: SH960062 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	391	1	442000 404395
19	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Markers Bridge B6273, /Darfld A635 Dearne 08 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 3rd July 1994 Incident Reference: 152956 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	A14SW (E)	391	1	442000 404400
19	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Combined Sewer Overflow Location: Dearne At, DARFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 28th February 1996 Incident Reference: SH960062 Catchment Area: Dearne 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	A14SW (E)	396	1	442005 404395
20	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 10th July 1993 Incident Reference: 146009 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	A8NE (S)	415	1	441600 403900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: River Dearne At, DARFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 15th February 1997 Incident Reference: SH970022 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	490	1	442100 404495
21	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: River Dearne At (A635), DARFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; No Fish Killed Incident Date: 12th May 1996 Incident Reference: SH960206 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	490	1	442100 404500
21	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: R Dearne At, Darfield (A635) Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 12th May 1996 Incident Reference: SH960206 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	495	1	442105 404495
22	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Darfld A635/Little Houghton Dearne 09 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 21st November 1990 Incident Reference: 117158 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	A14NW (E)	498	1	442100 404600
22	**Pollution Incidents to Controlled Waters** Property Type: Coal Location: Dearne Between Little Houghton, And Darfield, DARFIELD Authority: Environment Agency, North East Region Pollutant: Organic Wastes: Other Suspended Solids Note: Watercourse :River Dearne; From Grimethorpe Dike To Billingley Dyke Incident Date: Not Supplied Incident Reference: SH980082 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	498	1	442100 404595
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Pumping Station Location: River Dove At, Wombwell, INGS Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; No Fish Killed Incident Date: 29th April 1996 Incident Reference: SH960173 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	533	1	441750 403800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Vicar Road Cso, DARFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 18th June 1996 Incident Reference: SH960281 Catchment Area: Dearne 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	A8NE (S)	535	1	441755 403800
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Pumping Station Location: River Dove At Wombwell Ings Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 29th April 1996 Incident Reference: SH960173 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	539	1	441755 403795
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 26th August 1991 Incident Reference: 125770 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	A8NE (S)	546	1	441805 403805
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 24th June 1993 Incident Reference: 145584 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	A8NE (S)	549	1	441800 403800
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 16th June 1994 Incident Reference: 152458 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	A8NE (S)	550	1	441805 403800
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 15th August 1993 Incident Reference: 147042 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	A8NE (S)	553	1	441800 403795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 8th November 1993 Incident Reference: 148787 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	A8NE (S)	555	1	441805 403795
24	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Storm Overflow Location: Vicar Road Cso, DARFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; No Fish Killed Incident Date: 18th June 1996 Incident Reference: SH960281 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	538	1	441750 403795
25	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Darfld A635/Little Houghton Dearne 09 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 27th March 1991 Incident Reference: 120994 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	A18SE (N)	549	1	441800 405100
26	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Natural Note: Not Supplied Incident Date: 21st May 1994 Incident Reference: 152021 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	A9NW (SE)	591	1	441900 403800
26	**Pollution Incidents to Controlled Waters** Property Type: Farm Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 20th March 1994 Incident Reference: 150333 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	A9NW (SE)	595	1	441900 403795
26	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Markers Bridge B6273, /Darfld A635 Dearne 08 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 20th November 1991 Incident Reference: 128382 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	A9NW (SE)	598	1	441905 403795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Pollution Incidents to Controlled Waters** Property Type: Domestic/Residential Location: Mth River/ Road Bridge B6096 Dove(S) 01 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 19th September 1993 Incident Reference: 147835 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	A14SW (E)	591	1	442200 404300
28	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Foul Sewer Location: Weir At, LITTLE HOUGHTON Authority: Environment Agency, North East Region Pollutant: Sewage - Treated Effluent Note: Pollution Found; Fish Killed: No Information Incident Date: 16th March 1996 Incident Reference: SH960105 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	639	1	441800 405195
28	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Foul Sewer Location: Weir At, LITTLE HOUGHTON Authority: Environment Agency, North East Region Pollutant: Sewage - Treated Effluent Note: Fish Killed: No Information Incident Date: 16th March 1996 Incident Reference: SH960105 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	640	1	441805 405195
28	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Darfld A635/Little Houghton Dearne 09 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 25th June 1990 Incident Reference: 112045 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	A18NE (N)	644	1	441800 405200
28	**Pollution Incidents to Controlled Waters** Property Type: Fire Water Location: Tributary Of River Dearne Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Foam Note: River Dearne; Fish Killed: No Information Incident Date: 26th November 1998 Incident Reference: SH980392 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	645	1	441805 405200
29	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Dearne At, DARFIELD Authority: Environment Agency, North East Region Pollutant: Organic Wastes: Animal Carcasses Note: No Pollution Found; No Fish Killed Incident Date: 2nd September 1996 Incident Reference: SH960415 Catchment Area: Dearne Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	696	1	442300 404595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Darfld A635/Little Houghton Dearne 09 Authority: Environment Agency, North East Region Pollutant: Miscellaneous - No Visible Pollution/Nothing Found Note: Not Supplied Incident Date: 25th March 1992 Incident Reference: 131640 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	A14NE (E)	697	1	442300 404600
30	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Markers Bridge B6273, /Darfld A635 Dearne 08 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 24th January 1991 Incident Reference: 119060 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	A18NE (N)	719	1	441700 405300
31	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Darfld A635/Little Houghton Dearne 09 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 9th June 1989 Incident Reference: 100008 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	A18NE (N)	739	1	441800 405300
32	**Pollution Incidents to Controlled Waters** Property Type: Construction Location: River Dove Downstream Of, WOMBWELL Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Inert Suspended Solids Note: No Pollution Found; No Fish Killed Incident Date: 25th March 1996 Incident Reference: SH960085 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	767	1	441000 403800
32	**Pollution Incidents to Controlled Waters** Property Type: Construction Location: River Dove, Downstream Of, WOMBWELL Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Inert Suspended Solids Note: No Fish Killed Incident Date: 25th March 1996 Incident Reference: SH960085 Catchment Area: Dearne 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	A7NE (SW)	771	1	441000 403795
33	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Markers Bridge B6273, /Darfld A635 Dearne 08 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 20th November 1989 Incident Reference: 105332 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	A19NW (NE)	790	1	442100 405200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	**Pollution Incidents to Controlled Waters** Property Type: Coal Location: Location Description Not Avaliable, DARFIELD Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Watercourse :Billingley Dyke; From Middlecliff Sewage Works To River Dearne Incident Date: 19th January 1998 Incident Reference: SH980009 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	796	1	442400 404595
34	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: Darfld A635/Little Houghton Dearne 09 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 26th March 1991 Incident Reference: 121280 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	A14NE (E)	796	1	442400 404600
35	**Pollution Incidents to Controlled Waters** Property Type: Fire Water Location: Bulling Dyke, Down Stream Sewage Treatment Works Authority: Environment Agency, North East Region Pollutant: Not Given Note: Fisheries Affected; 501 - 1000 Fish Killed Incident Date: 18th April 1997 Incident Reference: SH970125 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	822	1	441500 403500
36	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Little Houghton/Edderthrp Ln Dearne 10 Authority: Environment Agency, North East Region Pollutant: Coal Solids Note: Not Supplied Incident Date: 26th March 1989 Incident Reference: 6830 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	836	1	441800 405400
37	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 27th April 1991 Incident Reference: 121920 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	A19SE (NE)	868	1	442300 405100
38	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Rd Brdg/Markers Brdg B6273 Dearne 07 Authority: Environment Agency, North East Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 8th November 1993 Incident Reference: 148656 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	A7SE (SW)	924	1	441000 403600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: Wombwell Stw Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 21st March 1989 Incident Reference: 6822 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	A7SE (SW)	964	1	441100 403495
40	**Pollution Incidents to Controlled Waters** Property Type: Domestic/Residential Location: Markers Bridge B6273, /Darfld A635 Dearne 08 Authority: Environment Agency, North East Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 14th March 1990 Incident Reference: 108610 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	A7SW (SW)	979	1	440800 403700
41	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Darfld A635/Little Houghton Dearne 09 Authority: Environment Agency, North East Region Pollutant: Mining Water Note: Not Supplied Incident Date: 29th May 1991 Incident Reference: 122899 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	A19NE (NE)	999	1	442300 405300
	River Quality Name: River_Dearne GQA Grade: River Quality C Reach: Billingley_Dyke_River_Dov Estimated Distance (km): 1.1 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A14SW (E)	437	1	442046 404419
	River Quality Name: River_Dearne GQA Grade: River Quality C Reach: Grimethorpe_Dike_Billingley_Dyk Estimated Distance (km): 4.2 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A14SW (E)	438	1	442047 404414
	River Quality Name: Billingley_Dyke GQA Grade: Not Supplied Reach: Middlecliff_Sewage_W_River_Dearn Estimated Distance (km): 1.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A14SW (E)	438	1	442047 404414
	River Quality Name: River_Dove GQA Grade: River Quality C Reach: Wombwell_Stw_River_Dearn Estimated Distance (km): 6.1 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A8NE (S)	515	1	441596 403800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: River_Dearne GQA Grade: River Quality C Reach: River_Dove_Bulling_Dik Estimated Distance (km): 1.9 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	A9SW (SE)	665	1	441944 403740
	River Quality Name: Bulling_Dike GQA Grade: Not Supplied Reach: Split_River_Dearn Estimated Distance (km): 2.4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8SW (S)	802	1	441497 403520
	River Quality Name: River_Dove GQA Grade: River Quality B Reach: Blacker_Dyke_Wombwell_St Estimated Distance (km): 1 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A7NE (SW)	816	1	440950 403780
42	**River Quality Biology Sampling Points** Name: Dearne Reach: Billingley Dyke To River Dove Estimated Distance: 1.10 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor 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 D - Fair Year: 2003 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2004 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2005 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2008 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2009 GQA Grade: River Quality Biology GQA Grade D - Fair	A14SW (E)	438	1	442047 404414

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	**River Quality Biology Sampling Points** Name: Dearne Reach: River Dove To Bulling Dike Estimated Distance: 1.90 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2000 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2002 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2003 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2004 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2005 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2008 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2009 GQA Grade: River Quality Biology GQA Grade D - Fair	A9SW (SE)	727	1	441969 403683

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	**River Quality Chemistry Sampling Points** Name: River Dearne Reach: Billingley Dyke River Dove Estimated Distance: 1.10 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied	A14NW (E)	466	1	442072 404561

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	**River Quality Chemistry Sampling Points** Name: River Dearne Reach: Grimethorpe Dike Billingley Dyke Estimated Distance: 4.20 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied	A14NW (E)	466	1	442072 404561

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**River Quality Chemistry Sampling Points** Name: River Dove Reach: Wombwell Sewage Treatment Works River Dearne Estimated Distance: 6.10 Objective: Not Supplied Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied	A8NE (S)	549	1	441800 403800
46	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 6th January 2005 Incident Reference: 285904 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable Materials And Wastes: Vegetable Cuttings And Deposits Pollutant: Inert : Construction / Demolition Material Pollutant: Inert Materials And Wastes: Soils And Clay Pollutant: Asbestos Waste	A13SW (S)	154	1	441482 404209
47	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 6th October 2007 Incident Reference: 536392 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: Sewage Materials: Final Effluent	A7NE (SW)	748	1	441035 403795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Coal Licence Number: 2/27/08/013 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): 1360 Yearly Rate (m3): 454000 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	A23NE (N)	1381	1	441830 405950
	Water Abstractions Operator: British Coal Licence Number: 2/27/08/015 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): 1309 Yearly Rate (m3): 395502 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	A6NW (SW)	1440	1	440190 403800
	Water Abstractions Operator: Royal Society For The Protection Of Birds Licence Number: 2/27/08/119 Permit Version: 101 Location: River Dearne-Old Moor Wetlands Reserve Authority: Environment Agency, North East Region Abstraction: Amenity: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Old Moor Wetlands Reserve,Broom Hill,Barnsley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4SE (SE)	1534	1	442400 403000
	Water Abstractions Operator: Barnsley Metropolitan Borough Council Licence Number: 2/27/08/119 Permit Version: 100 Location: River Dearne - Old Moor Wetlands Reserve Authority: Environment Agency, North East Region Abstraction: Amenity: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 3024 Yearly Rate (m3): 1103760 Details: Old Moor Wetlands Reserve, Broom Hill, Barnsley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th November 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4SE (SE)	1534	1	442400 403000
	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 12 Vale of York Scale: 1:100,000	A13NE (S)	0	1	441567 404456
	Drift Deposits None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13NE (S)	0	2	441567 404456
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Wombwell, Barnsley Name: End Of Ings Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04414 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0525 BGS Ref: Not Supplied Other Ref: (123)B, 4400/(123)	A8NE (S)	288	1	441579 404028
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	3	441567 404456
49	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 123 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status:** **Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A8NW (S)	268	3	441545 404049
50	**Registered Waste Transfer Sites** Licence Holder: R & J M Shaw Waste Disposal Licence Reference: WD20 B 463 MOD 6 Site Location: Hope Street, Low Valley, Wombwell, BARNSLEY, South Yorkshire, S73 8AL Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 1st March 1987 Preceded By Licence: WD20 B 463 Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Construction And Demolition Wastes Excav'N Waste, Soil, Subsoil Ind. Non-Haz. Inert, Non-Flammable Ind. Non-Haz. Potentially Combustible Max.Storage Max.Waste Permitted By Licence Non-Haz. Commercial Waste Prohibited Waste: Asbestos Wastes Of Any Kind Liquid/Slurry Wastes Putrescible Waste	A7NW (SW)	960	1	440650 403950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	**Registered Waste Transfer Sites** Licence Holder: R Shaw Licence Reference: WD20 B 463 Site Location: Hope Street, Low Valley, Wombwell, BARNSLEY, South Yorkshire, S73 8AL Operator Location: 98 Park Grove, Barnsley, South Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Record supersededSuperseded Dated: 1st March 1985 Preceded By Licence: Not Given Superseded By Licence: WD20 B 463 MOD 6 Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Alkali Metal Oxides/Hydroxides $. Asbestos Cement Products Commercial Waste Construction And Demolition Waste Contaminated Water Ind. Non-Haz. Inert, Non-Flammable Ind. Non-Haz. Potentially Combustible Interceptor Pit Wastes $ Iron/Water Ex Arrestor Dust Mineral Processing Wastes Non-Toxic Tank Cleaning Sludge Oil/Water Mixtures (Non-Emulsified) Other Non-Toxic Metal Compounds Proprietary Alkaline Cleaners Silt And Dredgings Soil & Subsoil Prohibited Waste: Biodegradable/Putrescible Waste	A7NW (SW)	960	1	440650 403950
51	**Registered Waste Treatment or Disposal Sites** Licence Holder: K & I Autos Licence Reference: WD20 B 621 Site Location: St Mary's Road, Wombwell, BARNSLEY, South Yorkshire, S73 9LQ Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st April 1993 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Applicable Authorised Waste: Batteries Max.Stor Cars/Light Comm'L Veh. Max.Stor Cooking Oil Max.Stor Ferrous Metal Scrap Max.Stor Non-Ferrous Metal Scrap Max.Stor	A13SE (S)	145	1	441600 404170
51	**Registered Waste Treatment or Disposal Sites** Licence Holder: R Smith Licence Reference: WD20 B 631 MOD 2 Site Location: The Scrapyard, St Mary'S Road, Darfield, Barnsley, South Yorkshire Operator Location: 39 New Street, Darfield, BARNSLEY, South Yorkshire, S73 9LL Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1993 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Cars/Light Comm'L Veh. Max.Stor Ferrous Metal Scrap Max.Stor Max.Waste Permitted By Licence Non-Ferrous Metal Scrap Max.Stor Tyres Max.Stor Prohibited Waste: Liquid Wastes	A13SE (S)	150	1	441650 404170

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Upper Westphalian (including Pennant Measures)	A13NE (S)	0	2	441567 404456
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (S)	0	4	441567 404456
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (S)	108	4	441517 404224
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (SW)	233	4	441426 404142
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NE (S)	314	4	441567 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (E)	333	4	441942 404422
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NW (S)	338	4	441537 403984

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NE (SE)	367	4	441799 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	390	4	442000 404456
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (E)	392	4	442000 404287
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	395	4	442000 404572
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SW (SE)	399	4	442000 404233
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	411	4	441567 405000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SW (SE)	422	4	442025 404244
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NE (SE)	425	4	441867 403977
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9NW (SE)	436	4	442000 404086
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9NW (SE)	501	4	442000 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (W)	504	4	441000 404456
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SE (W)	505	4	441000 404388

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (E)	539	4	442148 404395
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9NW (SE)	551	4	442000 403925
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	574	4	442000 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (SW)	588	4	441241 403845
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (NE)	597	4	441882 405114
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9NW (SE)	602	4	442123 404000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9NW (SE)	602	4	442145 404040
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	618	4	442142 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9NW (SE)	619	4	442064 403895
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	630	4	442000 405075
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7NE (SW)	633	4	441000 404000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7NE (SW)	661	4	441000 403955

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: <15 mg/kg	A17SE (NW)	666	4	441000 405000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9SW (SE)	667	4	442000 403774
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19NW (NE)	691	4	441917 405202
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9SW (SE)	700	4	442000 403734
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19NW (NE)	711	4	442000 405176
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SW)	711	4	441000 403879

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7NE (SW)	758	4	441000 403813
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SE (E)	799	4	442409 404427
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SW (S)	825	4	441270 403561
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14NE (E)	839	4	442438 404652
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NW (SW)	840	4	440781 403961
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NW (SW)	872	4	440724 404000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (E)	939	4	442548 404321
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19NW (NE)	946	4	442203 405318
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7SE (SW)	969	4	441113 403482
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NW (E)	981	4	442587 404589
52	**BGS Recorded Mineral Sites** Site Name: Snape Hill Location: , Darfield, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37827 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	157	2	441382 404285
53	**BGS Recorded Mineral Sites** Site Name: Woodhall Location: , Darfield, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37828 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	427	2	441078 404410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	**BGS Recorded Mineral Sites** Site Name: Quarry Hill Location: , Darfield, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37826 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	601	2	442208 404265
55	**BGS Recorded Mineral Sites** Site Name: Cathill Location: , Darfield, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37824 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	642	2	442169 404000
56	**BGS Recorded Mineral Sites** Site Name: Darfield Stone Quarries Location: , Darfield, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37825 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	722	2	442286 404063
57	**BGS Recorded Mineral Sites** Site Name: Darfield Stone Quarries Location: , Darfield, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 9349 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	729	2	442320 404150
58	**BGS Recorded Mineral Sites** Site Name: Cat Hill Location: Cathill Road, Darfield, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13096 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	908	2	442410 403885
59	**BGS Recorded Mineral Sites** Site Name: Cat Hill Location: , Darfield, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37888 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	957	2	442395 403768

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (S)	0	5	441567 404456
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (S)	0	-	441567 404456
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	2	441567 404456
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	107	2	441517 404225
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	2	441567 404456
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	2	441567 404456
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	2	441567 404456
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	112	2	441513 404219
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	2	441567 404456
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	213	2	441515 404117
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	2	441567 404456
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	112	2	441513 404219
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	2	441567 404456
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (S)	0	2	441567 404456

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	**Contemporary Trade Directory Entries** Name: Vehtech Location: Unit 1,St Marys Rd, Darfield, Barnsley, South Yorkshire, S73 9NQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (S)	67	-	441593 404250
60	**Contemporary Trade Directory Entries** Name: V Tech Motor Group Location: St Marys Rd, Darfield, Barnsley, South Yorkshire, S73 9LQ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (S)	74	-	441593 404242
61	**Contemporary Trade Directory Entries** Name: Nu Gas (Barnsley) Ltd Location: Thornhill House, Church Street, Darfield, Barnsley, South Yorkshire, S73 9LG Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	88	-	441697 404328
62	**Contemporary Trade Directory Entries** Name: Paint Spot Location: 56, Edward Street, Darfield, Barnsley, South Yorkshire, S73 9LH Classification: Painting & Decorating Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	108	-	441456 404277
63	**Contemporary Trade Directory Entries** Name: A Hunter Location: 92, Nanny Marr Road, Darfield, Barnsley, South Yorkshire, S73 9AW Classification: Cabinet Makers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (N)	111	-	441581 404699
64	**Contemporary Trade Directory Entries** Name: Marylane Garage Location: Mary Lane, Darfield, Barnsley, South Yorkshire, S73 9BF Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	167	-	441620 404148
65	**Contemporary Trade Directory Entries** Name: Swift Coatings Location: Empire Works, Church Street, Darfield, Barnsley, South Yorkshire, S73 9JX Classification: Powder Coatings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	184	-	441793 404328
66	**Contemporary Trade Directory Entries** Name: Snape Hill Garage Location: Snape Hill Road, Darfield, Barnsley, South Yorkshire, S73 9LY Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	196	-	441368 404240
67	**Contemporary Trade Directory Entries** Name: Db Location: 44, North Street, Darfield, Barnsley, South Yorkshire, S73 9AH Classification: Fork Lift Trucks **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	247	-	441338 404749
68	**Contemporary Trade Directory Entries** Name: Easyclean Extreme Ltd Location: 3, Woodfield Close, Darfield, Barnsley, South Yorkshire, S73 9EP Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	284	-	441225 404602
69	**Contemporary Trade Directory Entries** Name: Glengarry Plastering Location: Lodge, Middlewood Hall, Doncaster Road, Darfield, Barnsley, South Yorkshire, S73 9HQ Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	345	-	441872 404799

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	**Contemporary Trade Directory Entries** Name: P H Mechanical Services Location: 42, Doveside Drive, Darfield, Barnsley, South Yorkshire, S73 9JJ Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	371	-	441307 404061
71	**Contemporary Trade Directory Entries** Name: Fascias 4 U Location: Ridgway Av, Darfield, Barnsley, South Yorkshire, S73 9DU Classification: Fascias and Soffits **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	550	-	441061 404889
72	**Contemporary Trade Directory Entries** Name: Best Blast Location: 7, Upperwood Road, Darfield, Barnsley, South Yorkshire, S73 9QP Classification: Blast Cleaning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	584	-	440957 404187
73	**Contemporary Trade Directory Entries** Name: Diode Communications Location: 40, Morrison Road, Darfield, Barnsley, South Yorkshire, S73 9ED Classification: Radio Communication Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	596	-	440964 404811
74	**Contemporary Trade Directory Entries** Name: Harris Plumbing & Heating Ltd Location: 13, Edderthorpe Lane, Darfield, Barnsley, South Yorkshire, S73 9BH Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (NW)	677	-	441243 405194
75	**Contemporary Trade Directory Entries** Name: M Smith Location: Oberon Cr, Darfield, Barnsley, South Yorkshire, S73 9PF Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	696	-	440815 404637
76	**Contemporary Trade Directory Entries** Name: Ricky P Rpm Location: 128a, Snape Hill Road, Darfield, Barnsley, South Yorkshire, S73 9LT Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	751	-	440815 404092
76	**Contemporary Trade Directory Entries** Name: R F Transport Services Location: 140 Snape Hill Rd, Darfield, Barnsley, South Yorkshire, S73 9LT Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	782	-	440784 404085
77	**Contemporary Trade Directory Entries** Name: Chris Bell Haulage Ltd Location: 36, Venetian Crescent, Darfield, Barnsley, South Yorkshire, S73 9PL Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	842	-	440662 404395
78	**Contemporary Trade Directory Entries** Name: 3 D'S Pallet Services Location: Hope St, Wombwell, Barnsley, South Yorkshire, S73 8AL Classification: Pallets, Crates & Packing Cases **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	931	-	440666 403983
79	**Contemporary Trade Directory Entries** Name: Total Discovery Landrover Specialists Location: Pitt Street, Wombwell, Barnsley, South Yorkshire, S73 8AS Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	961	-	440608 404044
80	**Contemporary Trade Directory Entries** Name: R Bond Location: Hope Street, Wombwell, Barnsley, South Yorkshire, S73 8AL Classification: Coal & Smokeless Fuel Merchants & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	978	-	440636 403937

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	**Areas of Adopted Green Belt** Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Barnsley Unitary Development Plan **Status: Adopted** Plan Date: 31st December 2000	A13SE (SE)	206	6	441844 404312
82	**Nitrate Vulnerable Zones** Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NE (S)	0	7	441567 404456

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Rotherham Metropolitan Borough Council - Environmental Health Department	December 2012	Annual Rolling Update
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	July 2013	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	November 2012	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Discharge Consents		
Environment Agency - North East Region	July 2013	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North East Region	March 2013	Quarterly
Integrated Pollution Controls		
Environment Agency - North East Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - North East Region	July 2013	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	November 2012	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	November 2012	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Rotherham Metropolitan Borough Council - Planning Department	September 2011	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Rotherham Metropolitan Borough Council - Planning Department	March 2013	Annual Rolling Update
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	November 2012	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	November 2012	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Rotherham Metropolitan Borough Council - Planning Department	March 2013	Annual Rolling Update
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	November 2012	Annual Rolling Update
Doncaster Metropolitan Borough Council - Environmental Services	November 2012	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	November 2012	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
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	Quarterly
Prosecutions Relating to Controlled Waters		
Environment Agency - North East Region	March 2013	Quarterly
Registered Radioactive Substances		
Environment Agency - North East Region	July 2013	Quarterly
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	July 2013	Quarterly
Environment Agency - North East Region - Yorkshire Area	July 2013	Quarterly
Water Abstractions		
Environment Agency - North East Region	July 2013	Quarterly
Water Industry Act Referrals		
Environment Agency - North East Region	July 2013	Quarterly

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability		
Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	Annually
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	Annually
Source Protection Zones		
Environment Agency - Head Office	July 2013	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2013	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2013	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	August 2013	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	August 2013	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2013	Quarterly
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - North East Region - Ridings Area	July 2013	Quarterly
Environment Agency - North East Region - Yorkshire Area	July 2013	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	July 2013	Quarterly
Environment Agency - North East Region - Yorkshire Area	July 2013	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North East Region - Ridings Area	April 2013	Quarterly
Environment Agency - North East Region - Yorkshire Area	April 2013	Quarterly
Local Authority Landfill Coverage		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Doncaster Metropolitan Borough Council - Environmental Services	May 2000	Not Applicable
Rotherham Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Wakefield City Metropolitan District Council - Environmental Health	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Doncaster Metropolitan Borough Council - Environmental Services	May 2000	Not Applicable
Rotherham Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Wakefield City Metropolitan District Council - Environmental Health	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	August 2013	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Doncaster Metropolitan Borough Council	April 2013	Annual Rolling Update
Wakefield City Metropolitan District Council	February 2013	Annual Rolling Update
Rotherham Metropolitan Borough Council	October 2012	Annual Rolling Update
Barnsley Metropolitan Borough Council - Planning Department	September 2012	Annual Rolling Update
Planning Hazardous Substance Consents		
Doncaster Metropolitan Borough Council	April 2013	Annual Rolling Update
Wakefield City Metropolitan District Council	February 2013	Annual Rolling Update
Rotherham Metropolitan Borough Council	October 2012	Annual Rolling Update
Barnsley Metropolitan Borough Council - Planning Department	September 2012	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	April 2013	Bi-Annually
Brine Compensation Area		
Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Mining Report Service	January 2012	As notified
Mining Instability		
Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	August 2013	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	August 2013	Quarterly
Sensitive Land Use	**Version**	**Update Cycle**
Areas of Adopted Green Belt		
Barnsley Metropolitan Borough Council - Planning Department	August 2013	As notified
Doncaster Metropolitan Borough Council	August 2013	As notified
Rotherham Metropolitan Borough Council	August 2013	As notified
Wakefield City Metropolitan District Council	August 2013	As notified
Areas of Unadopted Green Belt		
Barnsley Metropolitan Borough Council - Planning Department	August 2013	As notified
Doncaster Metropolitan Borough Council	August 2013	As notified
Rotherham Metropolitan Borough Council	August 2013	As notified
Wakefield City Metropolitan District Council	August 2013	As notified
Areas of Outstanding Natural Beauty		
Natural England	July 2013	Bi-Annually
Environmentally Sensitive Areas		
Natural England	July 2013	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	July 2013	Bi-Annually
Marine Nature Reserves		
Natural England	July 2013	Bi-Annually
National Nature Reserves		
Natural England	July 2013	Bi-Annually
National Parks		
Natural England	July 2013	Bi-Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2013	Annually
Ramsar Sites		
Natural England	July 2013	Bi-Annually
Sites of Special Scientific Interest		
Natural England	July 2013	Bi-Annually
Special Areas of Conservation		
Natural England	July 2013	Bi-Annually
Special Protection Areas		
Natural England	July 2013	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	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
1	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	**Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards** Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
4	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
5	**The Coal Authority - Mining Report Service** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
6	**Barnsley Metropolitan Borough Council - Planning Department** Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
7	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
-	**Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	**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 / SEPA have a charging policy in place for enquiries.

APPENDIX 6

EXTRACTS OF BGS GEOLOGICAL MAP, BGS BOREHOLE LOGS AND COAL AUTHORITY MINING REPORT

Issued by:
The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

LANDMARK INFORMATION GROUP LIMITED
SOWTON INDUSTRIAL ESTATE
ABBEY COURT
UNIT 5/7 EAGLE WAY
EXETER
DEVON
EX2 7HY

Our reference:	**51000381808001**
Your reference:	**49293506_2|**
Date of your enquiry:	**18 September 2013**
Date we received your enquiry:	**18 September 2013**
Date of issue:	**18 September 2013**

This report is for the property described in the address below and the attached plan.

Non-Residential Coal Authority Mining Report

SITE AT 9, NANNY MARR ROAD, DARFIELD, BARNSLEY, SOUTH YORKSHIRE,

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	See comments below
Brine Compensation District	No

Information from the Coal Authority

Underground coal mining

Past

The property is in the likely zone of influence from workings in 7 seams of coal at 230m to 720m depth, and last worked in 1988.

Any ground movement from these coal workings should have stopped by now.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

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Coal mining geology

The Authority is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been affected by coal mining.

Opencast coal mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

Coal mining subsidence

A damage notice or claim for alleged subsidence damage was made in April 1995 for FISSURE ON SPORTS AREA DARFIELD FOULSTONE HIGH SCHOOL NANNY MARR ROAD, DARFIELD, BARNSLEY, SOUTH YORKSHIRE. However, the claim was rejected.

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

There are a further 7 claim(s) within 50 metres of the property boundary that do not match the property address. These are shown on the attached plan.

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

If further subsidence damage claims information is required in addition to that provided in this report, the Authority need to manually search their records. For further advice on how to order this additional information visit www.groundstability.com or telephone 0845 7626 848.

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

Withdrawal of support

The property is in an area for which notices of entitlement to withdraw support were published in 1946, 1955, 1982.

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

Working facilities orders

The property is not in an area for which an Order has been made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

Payments to owners of former copyhold land

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

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Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

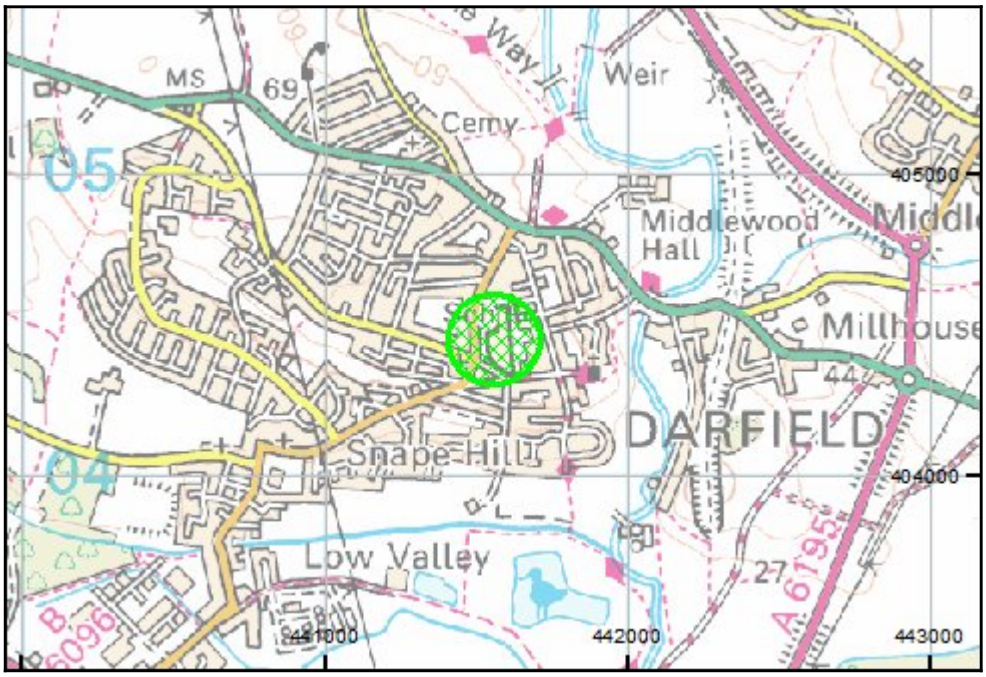
Additional Remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006.

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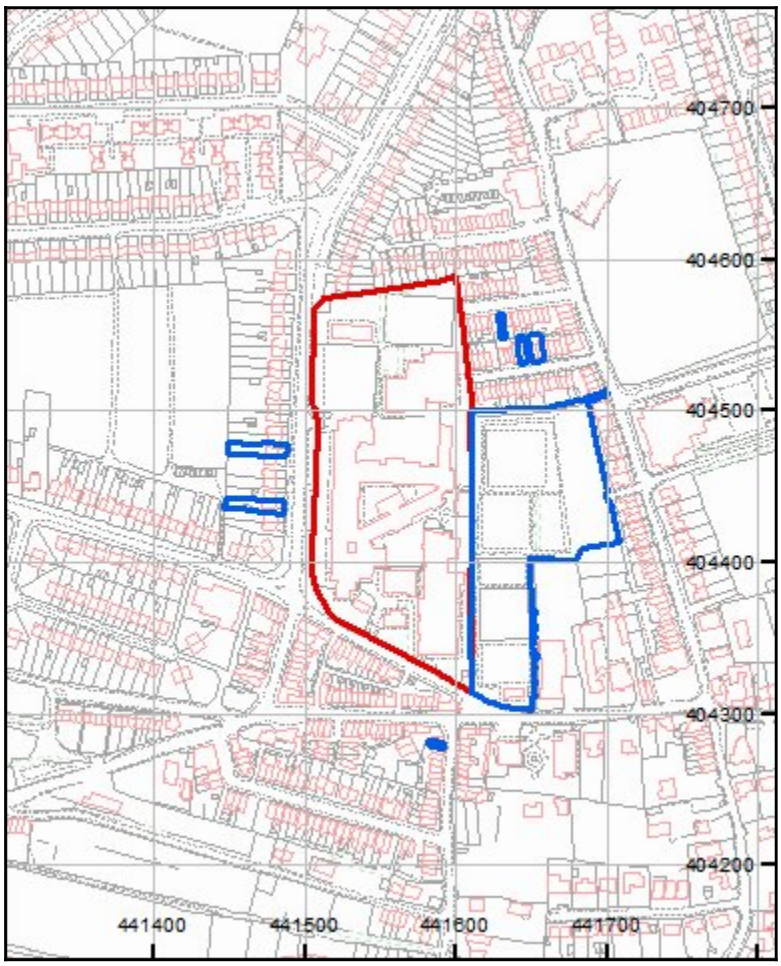
Location map

Approximate position of property



Enquiry boundary

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Key

Approximate position of enquiry boundary shown

Coal Claims

Mapping sourced from Ordnance Survey

SE 40 SW 143

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LSII 5SX.

4152 0457

Contract No. L5207/F1866 Borehole No. 10

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 4.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	• deg	m.c %	y lb/cu.ft	N
Topsoil		1'6"	1'6"						
Light brown slightly clayey sand with sandstone fragments			3'0"	1'9"	10.5	30	10.3	114	
		4'6"							
Weathered sandstone				5'0"					94
			6'9"						
				9'0"					112 for 9"
		11'3"		11'0"					60 for 3"

Water Struck at None encountered Maximum Observed Water Level

Undisturbed Sample []
Disturbed Sample o
Water Sample Δ
Penetration Test 1

c = Cohesion
• = Angle of Internal Friction
m.c = Moisture Content
y = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

SE 40 SW 140

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4754 0457

Contract No. L5207/F1866 Borehole No. 7

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 4.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	● deg	m.c %	y lb/cu. ft.	N
Topsoil		1'0"	1'0"						
Brown clayey sand with sandstone fragments				1'6" □	5.0	35	8.8	116	
			5'6"						
				5'0" I					34
		6'6"							
Weathered sandstone									
			3'6"						
				9'0" I					151 for 12"
		10'0"							

Water Struck at None encountered — Maximum Observed Water Level

Undisturbed Sample []
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
● = Angle of Internal Friction
m.c = Moisture Content
y = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

SE40SW 146

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

4155 0449

PARKSIDE LANE

LEEDS LS11 5SX.

Contract No. L5207/F1866 Borehole No. 13

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 6.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ø deg	m.c %	y lb/cu.ft.	N
Made ground - Tarmac.		1'0"	1'0"						
Brown silty sand with sandstone fragments				2'0" I					
			4'0"						
		5'0"		5'0" I					45
Weathered sandstone			5'0"						
				9'0" I					118 for 12"
		10'0"							

Water Struck at None encountered Maximum Observed Water Level

Undisturbed Sample [ ]
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ø = Angle of Internal Friction
m.c = Moisture Content
y = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

SE40SW 147

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4153 0449

Contract No. L5207/F1866 Borehole No. 14

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 6.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ø deg	m.c %	y lb/cu. ft.	N
Made ground:- Tarmac		1'0"	1'0"						
Brown very clayey stony sand				1'9" U	13.0	31	11.1	118	
			5'0"						
				4'6" I					30
		6'0"							
Weathered sandstone									
			4'0"						
				8'6" I					144
		10'0"							

Water Struck at None encountered — Maximum Observed Water Level

Undisturbed Sample U
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ø = Angle of Internal Friction
m.c = Moisture Content
y = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

SE 40 SW 136

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4158 0451

Contract No. L5207/F1866 Borehole No. 3

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 3.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ϕ deg	m.c %	γ lb/cu. ft.	N
Topsoil		1'4"	1'4"						
Light brown very clayey silty sand with sandstone fragments			5'2"	1'6" □	2.5	28	16.8	126	
		6'6"		5'0" □	12.0	35	12.1	126	
Weathered sandstone			3'0"	8'6" I					140 for 12"
		9'6"							

Water Struck at None encountered Maximum Observed Water Level

Undisturbed Sample []
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ϕ = Angle of Internal Friction
m.c = Moisture Content
γ = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4155 0451

Contract No. L5207/F1866 Borehole No. 6

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 4.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ø deg	m.c %	y lb/cu. ft.	N
Topsoil		1'6"	1'6"						
				1'6"					
Brown clayey sand with sandstone fragments				□	5.0	30	11.2	120	
			4'6"						
				4'6"					
				□	4.0	32	10.6	129	
		6'0"							
Weathered sandstone									
			4'0"						
				8'6"					
				I					123
		10'0"							

Water Struck at None encountered — Maximum Observed Water Level

Undisturbed Sample []
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ø = Angle of Internal Friction
m.c = Moisture Content
y = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

SE40SW 142

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4153 0451

Contract No. L5207/F1866 Borehole No. 9

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 6.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ϕ deg	m.c %	γ lb/cu. ft.	N
Topsoil		1'4"	1'4"						
Brown clayey stony sand				2'0" I					28
			3'8"						
		5'0"		5'0" I					67
Weathered sandstone									
			5'0"						
				9'0" I					147 for 12"
		10'0"							

Water Struck at None encountered — Maximum Observed Water Level

Undisturbed Sample [ ]
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ϕ = Angle of Internal Friction
m.c = Moisture Content
γ = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

British Geological Survey

SE 40 SW 145

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4151 0451

Contract No. L5207/F1866 Borehole No. 12

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 4.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ø deg	m.c %	y lb/cu. ft.	N
Topsoil		1'0"	1'0"						
Brown clayey stony sand.				2'0" I					29
			3'6"						
		4'6"							
Weathered sandstone				5'6" I					103
			5'6"						
				9'0" I					128 for 12"
		10'0"							

Water Struck at None encountered — Maximum Observed Water Level

Undisturbed Sample []
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ø = Angle of Internal Friction
m.c = Moisture Content
y = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

SE 40 SW 135

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4188 0454

Contract No. L5207/F1866 Borehole No. 2

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 3.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ø deg	m.c %	y lb/cu.ft.	N
Topsoil		1'3"	1'3"						
Brown clayey sand with some sandstone fragments				1'6"	1.5	40	11.3	118	
			4'9"	4'0"					24
		6'0"							
Weathered sandstone with coarse brown sand			3'3"	9'0"					70for 3"
		9'3"							

Water Struck at None encountered Maximum Observed Water Level

Undisturbed Sample []
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ø = Angle of Internal Friction
m.c = Moisture Content
y = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

SE 40 SW 138

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4156 0454

Contract No. L5207/F1866 Borehole No. 5

Location Darfield. Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 3.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ø deg	m.c %	y lb/cu. ft.	N
Topsoil		1'9"	1'9"						
Brown clayey sand with sandstone fragments.			3'3"	2'3"	3.0	32	13.2	123	
		5'0"		5'0"					
Weathered sandstone			5'0"						61
				8'6"					95
		10'0"							

Water Struck at None encountered Maximum Observed Water Level

Undisturbed Sample []
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ø = Angle of Internal Friction
m.c = Moisture Content
y = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

SE40SW 14

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4154 0454

Contract No. L5207/F1866 Borehole No. 8

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 5.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ø deg	m.c %	γ lb/cu. ft.	N
Topsoil		1'4"	1'4"						
Brown clayey stony sand				1'6"	8.5	14	14.7	117	
			4'2"	4'6" I					52
		5'6"							
Weathered sandstone									
			4'3"	8'6" I					157 for 15"
		9'9"							

Water Struck at None encountered Maximum Observed Water Level

Undisturbed Sample []
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ø = Angle of Internal Friction
m.c = Moisture Content
γ = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

SE 40 SW 144

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4152 0454

Contract No. L5207/F1866 Borehole No. 11

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 4.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	φ deg	m.c %	γ lb/cu. ft.	N
Topsoil		10"	10"						
Brown slightly clayey sand with sandstone fragments.				1'3"	6.0	33	12.5	110	
			4'5"						
				4'6"					49
		5'3"							
Weathered sandstone									
			4'6"	8'6"					177 for 15"
		9'9"							

Water Struck at None encountered — Maximum Observed Water Level

Undisturbed Sample [ ]
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
φ = Angle of Internal Friction
m.c = Moisture Content
γ = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

SE40SW 134

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4158 6457

Contract No. L5207/F1866 Borehole No. 1

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 2.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ø deg	m.c %	y lb/cu. ft.	N
Topsoil		1'2"	1'2"						
Brown very clayey sand with sandstone fragments				1'6" □	4.6	0	7.2	111	
			5'4"	4'6" I					14
		6'6"							
Weathered sandstone				8'0" I					52 for 3"
			4'9"						
		11'3"		11'0" I					76for 3"

Water Struck at None encountered Maximum Observed Water Level

Undisturbed Sample □
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ø = Angle of Internal Friction
m.c = Moisture Content
y = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

HOLST & CO. LTD.

SITE INVESTIGATION DEPT.

PARKSIDE LANE

LEEDS LS11 5SX.

4/56 0457

Contract No. L5207/F1866 Borehole No. 4

Location Darfield Ground Level

Client WEST RIDING COUNTY ARCHITECT Date 3.8.71.

BOREHOLE LOG

STRATA	Legend	Depth below Ground Level	Thickness of Strata	Type of Sample	c lb/in²	ø deg	m.c %	y lb/cu.ft.	N
Topsoil		1'3"	1'3"						
				1'6"					
Light brown silty sand with sandstone fragments				▯	10.0	36	6.1	117	
			5'3"						
				4'6"					37
				I					
		6'6"							
Weathered sandstone									
			3'3"						
				9'0"					106 for 9"
		9'9"		I					

Water Struck at None encountered Maximum Observed Water Level

Undisturbed Sample []
Disturbed Sample o
Water Sample Δ
Penetration Test I

c = Cohesion
ø = Angle of Internal Friction
m.c = Moisture Content
y = Bulk Density
N = Standard Penetration Value

Water levels are subject to seasonal or tidal variation and should not be taken as constant

British Geological Survey

NATURAL ENVIRONMENT RESEARCH COUNCIL

1:10 000 Geology Series

SHEET SE40SW

(Wath upon Dearne)

Included in 1:50 000 Geological Sheet 87 (Barnsley)

Original geological survey at 1:10 560 scale, published 1875. Resurveyed by C E N Bromehead, G H Mitchell and J V Stephens in 1932-33. Photogeological appraisal by C Jordan in 1999, based on air photographs dated 1993. Reconstituted at the 1:10 000 scale by R D Lake in 1998 with revisions based on data held in BGS files. Additional deposits of Artificial Ground by R Addison in 2001.
P J Strange, Regional Geologist.
Released 2005. David A Falvey, PhD., Executive Director, British Geological Survey.

NATURAL ENVIRONMENT RESEARCH COUNCIL

Geological map © NERC 2005. All rights reserved.

The topography shown on this map is based on the latest OS mapping and is not necessarily the same as that used in the original compilation of the BGS geological map, and to which the geological linework available at that time was fitted.

Ordnance Survey

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The representation on this map of a road, track or path is no evidence of the existence of a right of way.
Heights are in metres. Contours are shown at 5 metres vertical interval.
Made by the Ordnance Survey, Southampton.

KEY

SUPERFICIAL DEPOSITS

ARTIFICIALLY MODIFIED GROUND

	Worked Ground	Mainly quarries, pits, road and rail cuttings
	Made Ground	Landfill sites and other areas of extensive spoil
	Infilled Ground	Restored open cast coal workings and quarries

Within urban areas, much of the surface may have been disturbed by human activity, but not all areas of artificial made, worked, infilled and landscaped ground have been shown.

QUATERNARY DEPOSITS

FLANDRIAN		Alluvium	Soft to firm silt and clay, locally overlying gravel
MIDDLE PLEISTOCENE		Glaciofluvial deposits, undifferentiated	Pebbly sand and sandy gravel

The Quaternary Deposits listed above are not necessarily shown in order of superposition.

PMCM — Symbol indicates Quaternary Deposit at surface and Bedrock Formation at rockhead: other Quaternary Deposits may intervene.

FOR BEDROCK GEOLOGY SEE GENERALIZED VERTICAL SECTION

- Geological boundary, Artificial and Quaternary Deposits
- Geological boundary, Bedrock
- 9 — Fault at rockhead, crossmark on downthrow side, throw in metres
- 39 IN N — Fault underground in seam indicated, crossmark on downthrow side, throw in metres, the note on the side from which the fault was proved
- N — Coal outcrop, name on the younging-direction side of the outcrop
- M — M — Marine band

Broken lines denote inferred boundaries.

- 6 — Inclined strata, dip in degrees
- 3 IN BE — Generalized dip of strata underground in seam named, dip in degrees
- 85 — Borehole
- 14 — Borehole, exact site uncertain
- 23 W — Water well or borehole
- 52 — Pit or mine shaft, abandoned
- Adit or mine mouth, abandoned, showing direction of entry

Only selected shafts, and geologically more significant boreholes are shown.
The true location of some boreholes and shafts is uncertain. Other shafts may exist.

Whilst efforts have been made to trace the sites of mine shafts and adits, it is not claimed that all have been shown on the map.

Numbers are those of the BGS record system, in which they are preceded by the sheet number.

For detailed information on old workings, information on present and future coal mining (underground or opencast), and information on exact positions and locations of mine shafts, you should apply to The Coal Authority.

Depths and thicknesses are given in metres.



41 42 43

MR PMCM sa SN HG SY AGMB IN B WH ACR OR

Holme Farm
Middlewood Hall
Middlewood Park
Darfield
Firth Ings
Wombwell Ings
Dearne Ings
Billingley Ings
Old Moor
Brampton
Carr Head
Quarry Hills
Cat Hill
Quarry (dis)
Darfield Bridge
Mill Houses Bridge
Marie's Bridge
Gorse Pits Bridge
Broomhill
Recreation Ground
Nature Reserve
Sewage Works
Cricket Ground
Playing Field
Depot
Schools
Sch
Deborah
Park Farm
Everill Gate Bridge
Subway
Outfall
Weir
Billing Dike
Carr Dike
River Dove
River Dearne
Old Moor Dike
Town'Lands
Middlewood Rd
Broomhill Rd
Broomhill Lane
Bridge Ings Rd
Quarry Lane
Track
Drain
Path
Pav
Ppg Sta
Bus Depot
Allot Gdns
Recn Gd
Lodge
Pond
Tank
Tree
Sch
Offices
War Mem
Pumping Sta
Football Ground
Sports Ground
Industrial Estate
Sluice
Bridge
Dismantled Railway
Little Houghton Lane
BROOMHILL FAULT
RIDER
43m
42m
232
226
229
228
84d
76
44
45
W
BS
FB
Sz
Sc
Sl
Sp
Pp Ho
FH
Pav
Ind Est
Sluice
Bridge
Track
Drain
Path
Pav
Ppg Sta
Bus Depot
Allot Gdns
Recn Gd
Lodge
Pond
Tank
Tree
Sch
Offices
War Mem
Pumping Sta
Football Ground
Sports Ground
Industrial Estate
Sluice
Bridge
Dismantled Railway
Little Houghton Lane
BROOMHILL FAULT
RIDER
43m
42m
232
226
229
228
84d
76
44
45
W
BS
FB
Sz
Sc
Sl
Sp
Pp Ho
FH
Pav
Ind Est

GENERALIZED VERTICAL SECTION

Scale 1:2000 (1 cm to 20 m)

Depths and thicknesses are given in metres

CARBONIFEROUS

WESTPHALIAN

BOLSOVIAN (WESTPHALIAN C)

DUCKMANTIAN (WESTPHALIAN B)

PENNINE UPPER COAL MEASURES FORMATION 20+

PENNINE MIDDLE COAL MEASURES FORMATION 640

PENNINE COAL MEASURES GROUP

PUCM — AR — ACKWORTH ROCK 15

CAMB — Cambriense (Top) Marine Band

COAL thin

sa — PMCM

HG — **HIGHGATE COAL** 0.5 to 0.6

sa

sa — SFMB — Horizon of Shafton Marine Band

SHAFTON COAL 1.3 to 1.5

COAL thin

MR — MEXBOROUGH ROCK c. 20

PMCM — **COAL** thin

COAL thin

sa — ST — **SHARLSTON TOP COAL** 0.5

SMK — **SHARLSTON MUCK COAL** 0.3

sa — SL — **SHARLSTON LOW COAL** 0.3 +

sa

sa — SY — **SHARLSTON YARD COAL** 0.8 to 1.2*

sa

HT — **HAUGHTON THIN COAL** 0.2

ACR — ACKTON ROCK 15

PMCM

AGMB — Aegiranum Marine Band

WH — sa — **WHEATWORTH COAL** thin

OR — OAKS ROCK c. 30

HTMB — Haughton Marine Band

SP — **SWINTON POTTERY COAL** 0.3 to 1.2*

sa

COAL thin

N — **NEWHILL RIDER COAL**

NEWHILL COAL 1.0 to 3.0*

E — Manton 'Estheria' Band

WE — PMCM — WOOLLEY EDGE ROCK up to 20

M — **MELTONFIELD COAL** 0.5 to 1.6 (partial washout)

sa — TF — Maltby (Two-Foot) Marine Band

ABR — **TWO-FOOT COAL** 0.2 to 2.1*

COAL thin

ABDY ROCK up to 20

ABDY COAL 0.7 to 0.9

COAL thin

TBE — sa — **TOP BEAMSHAW COAL** 0.3 to 1.2*

LBE — sa — **LOW BEAMSHAW COAL** 0.4 to 1.1*

KN — sa — **KENT'S THIN COAL** 0.3 to 0.6

sa

KK — **KENT'S THICK COAL** 0.5 to 1.6*

sa — 0.3 to 0.7

PMCM

BARNSLEY RIDER COAL 0.3 to 0.6

sa

B — **BARNSLEY COAL** 2.4 to 2.8

sa

D — **DUNSIL COAL** 0.8 to 2.4*

COAL thin

PMCM — **COAL** thin

COAL thin

sa

SW — **SWALLOW WOOD COAL** 1.4 to 1.7*

HM — **HAIGH MOOR COALS** 1.2 to 2.1* / 0.2 to 0.4

COAL CANNELOID, thin

LIDGET COAL 0.5 to 0.6

sa

PMCM

J — Horizon of Vanderbeckel (Clay Cross) Marine Band

JOAN COAL 0.5 to 0.8

sa — PLCM

FK — **FLOCKTON THICK COALS** 0.1 to 0.4 / 0.8 to 1.0*

sa

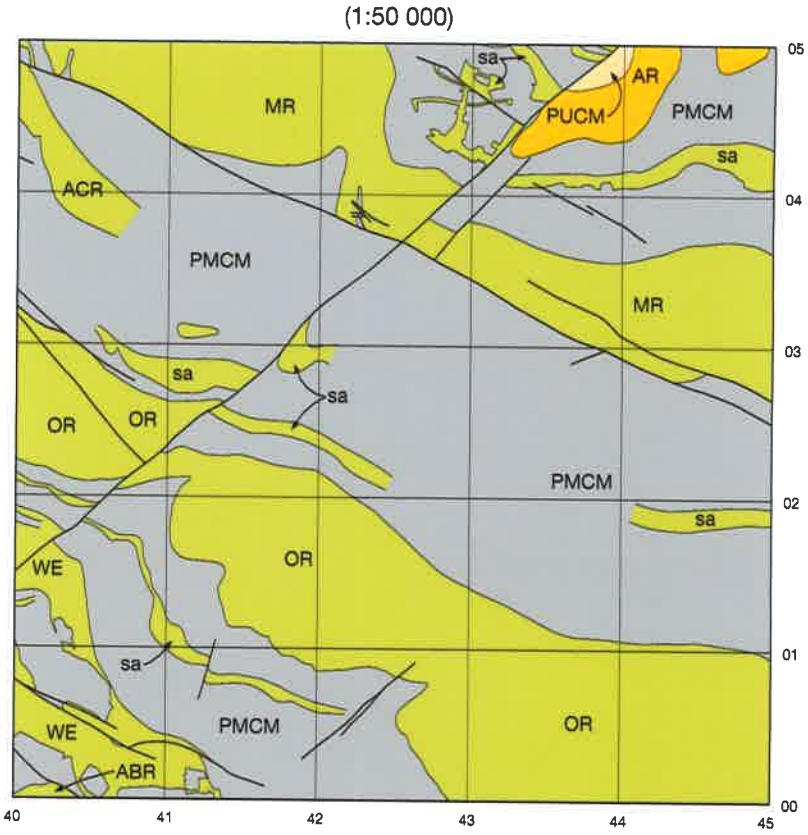
FN — **?FLOCKTON THIN COAL** thin

COAL thin

PLCM

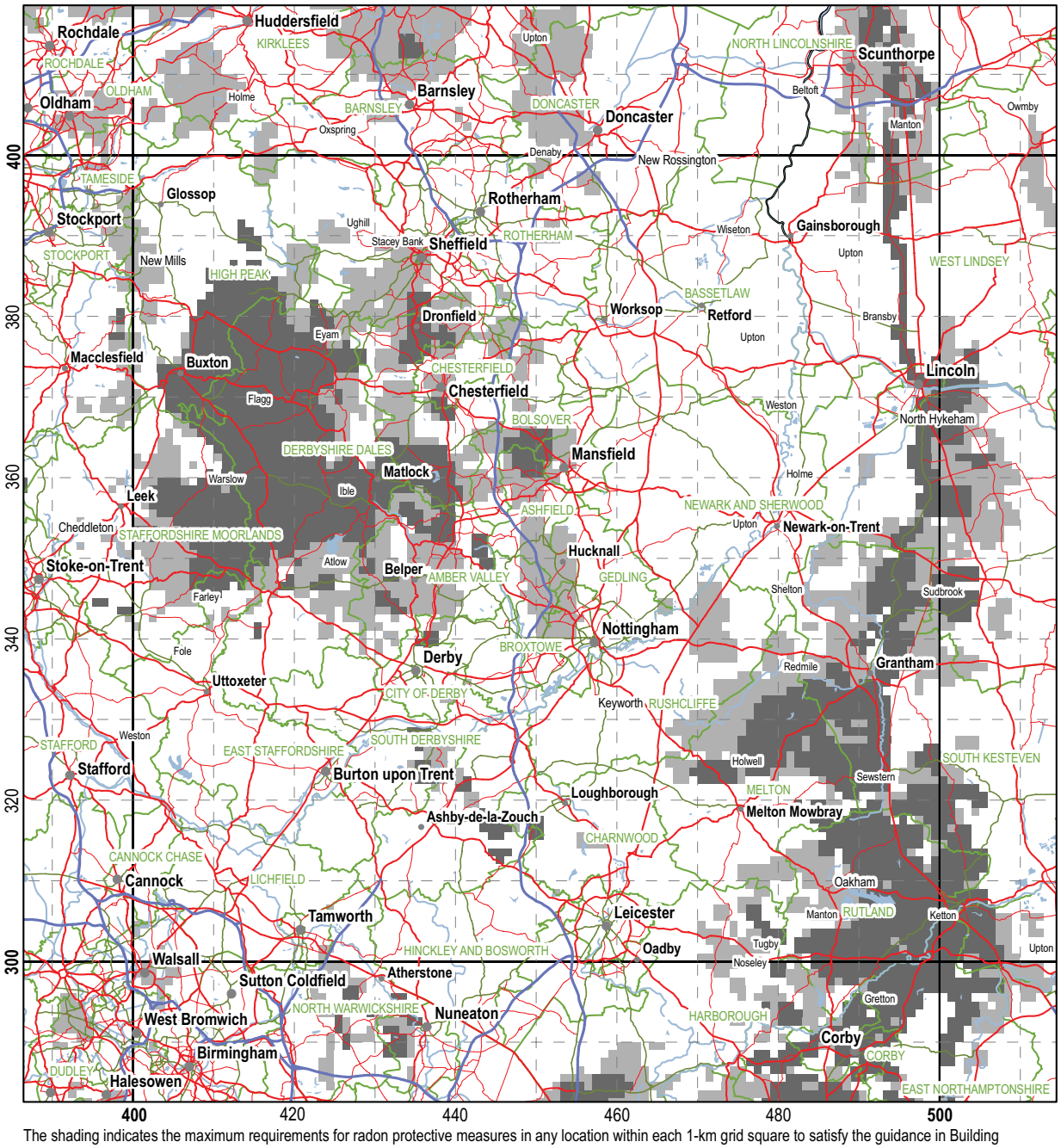
Strata proved in boreholes; not exposed

BEDROCK GEOLOGY MAP OF SE40SW (1:50 000)



APPENDIX 7

EXTRACTS OF HPA AND BRE211 RADON ATLAS FOR ENGLAND AND WALES



The shading indicates the maximum requirements for radon protective measures in any location within each 1-km grid square to satisfy the guidance in Building Regulations Approved Document C. The requirement for an existing building with a valid postal address can be obtained for a small charge from www.ukradon.org. The requirement for a site without a postal address is available through the British Geological Survey GeoReports service, http://shop.bgs.ac.uk/GeoReports/.

Level of protection required

- None
- Basic
- Full

Settlements

- Derby
- Grantham
- Oakham
- Eyam

Roads

- Motorways
- Primary Roads
- A Roads
- B Roads

National Grid

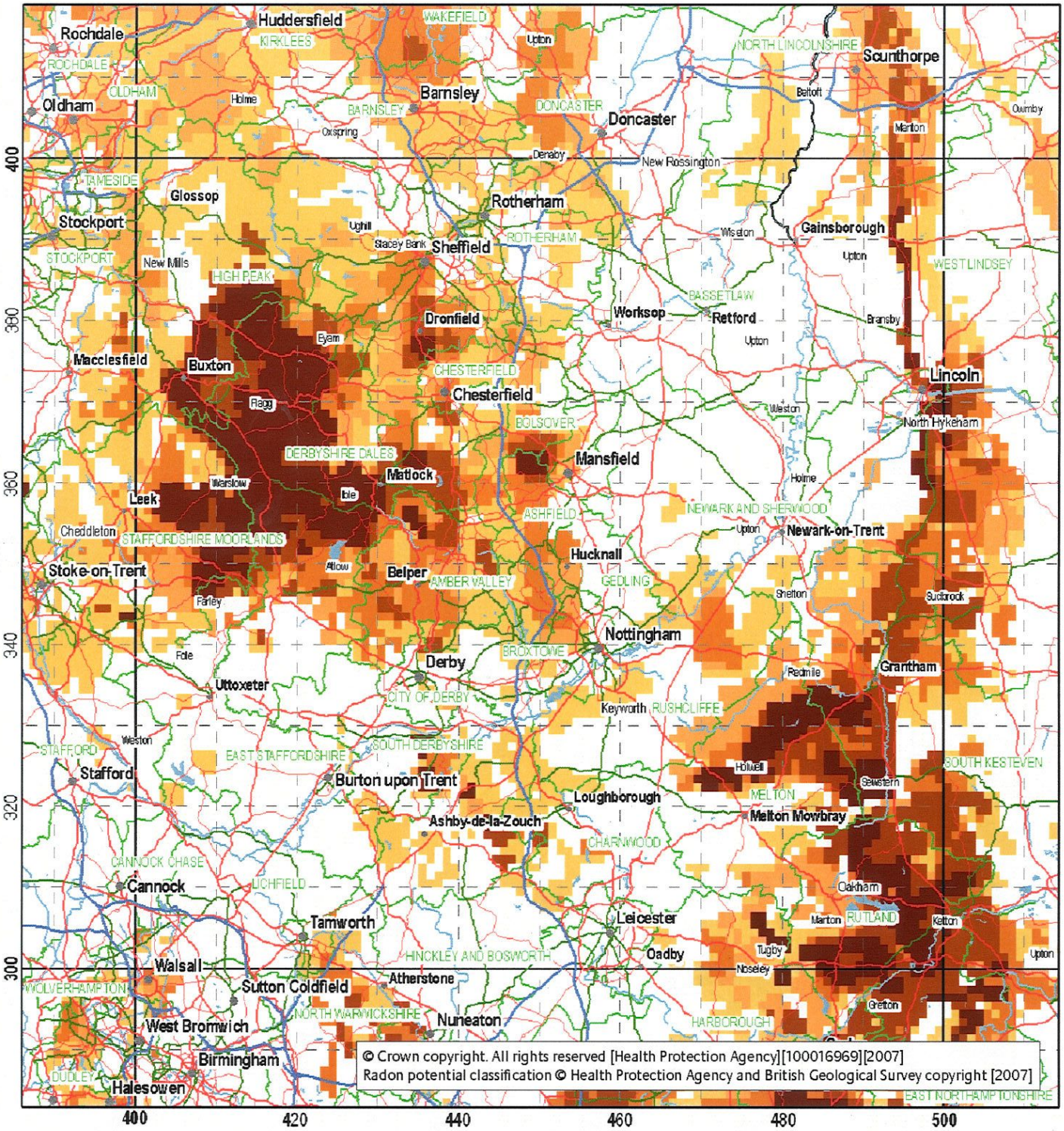
- 100-km
- 10-km

Other Features

- LOCAL ADMINISTRATIVE DISTRICT
- Water features

Map 14 Derbyshire, Leicestershire and Nottinghamshire, 100-km grid square SK (axis numbers are the coordinates of the National Grid)

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Radon potential classification © Health Protection Agency and British Geological Survey copyright [2007]



The colours show the maximum percentage band within each 1-km grid square of the national grid (see page 4). The best estimate for an individual property in a coloured square can be obtained for a small charge from www.ukradon.org. The white squares, the 0-1% band, contain no Affected Areas as defined by the HPA.

Percentage of homes at or above the Action Level

- 0 - 1
- 1 - 3
- 3 - 5
- 5 - 10
- 10 - 30
- Greater than 30

Settlements

- Derby
- Grantham
- Oakham
- Eyam

Roads

- Motorways
- Primary Roads
- A Roads
- B Roads

National Grid

- 100-km
- 10-km

Other Features

- LOCAL ADMINISTRATIVE DISTRICT
- Water features

MAP 14 Derbyshire, Leicestershire and Nottinghamshire, 100-km grid square SK (axis numbers are the coordinates of the national grid)

APPENDIX 8

PROPOSED DEVELOPMENT PLAN



PROPOSED SITE PLAN

* FOR ADDITIONAL DETAIL ON EXISTING TREES PLEASE SEE ARBORICULTURAL REPORT PRODUCED BY AWA TREE CONSULTANTS

Do not scale this drawing.
Architects are to be notified of any discrepancies.
Contractors must check all dimensions on site.
This drawing is subject to copyright laws and is for use on this project only.
This drawing is to be used solely for the information as titled only.
For other information refer to the latest revision of any cross referenced drawings.
To be read in conjunction with relevant design standards/protocols

RETAIL SITE AREA	15,100 SQM	3.73 ACRES
RESIDENTIAL SITE AREA	9,391 SQM	2.32 ACRES
TOTAL SITE AREA	24,491 SQM	6.05 ACRES

PROPOSED TENANT	AREA (GIA)
FOODSTORE	19,000 SQFT
RETAIL UNIT 1	2,500 SQFT
RETAIL UNIT 2	4,000 SQFT
RETAIL UNIT 3	4,200 SQFT
RETAIL UNIT 4	5,000 SQFT
RETAIL UNIT 5	2,000 SQFT

* DIVISION OF RETAIL SPACE INDICATIVE AND SUBJECT TO CHANGE AND APPROVAL AT RESERVED MATTERS

TOTAL PARKING SPACES	166
FOODSTORE PARKING RATIO	1:17
NON-FOOD RETAIL PARKING RATIO	1:30

* ALL PARKING SPACES ARE 2.5x5m w/ 6m LANE WIDTHS;
* PARKING RATIO EXCLUDES SPECIAL NEEDS SPACES

POTENTIAL RESIDENTIAL SITE CAPACITY

TOTAL: UP TO 35 x 2 TO 3-BED UNITS @ 2-STOREYS

SKETCH SCHEME FOR INDICATIVE CAPACITY STUDY PURPOSES ONLY - FINAL DETAILS INC. P.O.S AND ASSOCIATED REQUIREMENTS SUBJECT TO AGREEMENT WITH L.A. PLANNING DEPARTMENT AND A RESERVED MATTERS APPLICATION

#	Rev	Date	Description	Drn	Ckd
			Amendments		
#		25/06/13	First issue	JLT	SR

Status: PLANNING

Client: PEVERIL SECURITIES LTD.

Project name: FOULSTONE SCHOOL SITE

Project address: NANNY MARR ROAD, DARFIELD, BARNSLEY

Drawing Title: PROPOSED INDICATIVE SITE LAYOUT

Job No:	Drg No:	Revision:
5364	P03	#
Date:	Scale:	Sheet size:
OCT '14	1:500	A1

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