



**ROSEWOOD BESPOKE HOMES**

**PHASE 1 CONTAMINATED LAND  
DESK STUDY**

**THE OLD VICARAGE, SOUTH  
HETTON, DURHAM**

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## 1. INTRODUCTION

This report is prepared in accordance with instructions received from Fitz Architects on behalf of their client Rosewood Bespoke Homes. DBS Environmental Limited (DBS) were instructed to prepare a Phase 1 Contaminated Land Desk Study report of a 0.71-hectare site located at The Old Vicarage, South Hetton, Durham (the site).

The site comprises a former Vicarage with adjoining land, the land is proposed for redevelopment for residential use.

## 2. SCOPE OF WORK

This Phase 1 Contaminated Land Desk Study comprises the following scope of work:

- Identify and review all contemporary information for the site and surrounds;
- Review available historical mapping to assess the historic land uses of the site and surrounding area;
- Development of an initial Conceptual Model (CM) for the site;
- Undertake a preliminary assessment of ground stability issues;
- A preliminary risk assessment of potential liabilities relating to contamination; and
- Recommendations for additional works, as necessary.

This report has been prepared in accordance with the Environment Agency (EA) protocol Land Contamination Risk Management (LCRM; which replaces CLR 11, Model Procedures for the Management of Land Contamination).

## 3. LEGISLATIVE CONTEXT

As the site is being assessed to determine the potential for future development, the key legislation applicable is the Planning Regime. Planning guidance relating to the development of land potentially affected by contamination is detailed in the National Planning Policy Framework (NPPF).

The NPPF states that planning decisions should ensure that:

- a site is suitable for its new use taking account of ground conditions and land instability, including from natural hazards or former activities such as mining, pollution arising from previous uses and any proposals for mitigation including land remediation or impacts on the natural environment arising from that remediation;
- after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990; and
- adequate site investigation information, prepared by a competent person, is presented.

The statutory definition of contaminated land is given in Part 2A of the Environmental Protection Act (EPA) 1990 (Part 2A). This does not include land that is already regulated

through other means, such as Waste Management Legislation or the Integrated Pollution Prevention and Control (IPPC) regime.

In addition, the NPPF states that the planning system should contribute to, and enhance the natural and local environment by preventing both new and existing development from contributing to or being put at unacceptable risk from, or being adversely affected by unacceptable levels of soil, air, water or noise pollution or land instability.

The primary regulators under the NPPF are the Local Planning Authorities (LPA) and the Regional Planning Bodies (RPB).

In this case the LPA is Durham County Council (DCC).

#### **4. SOURCES OF INFORMATION**

The assessment is based upon the following sources of information:

- Envirocheck report including historic County Series and Ordnance Survey Plans;
- Site visit;
- Google Earth Pro;
- BGS Published Geological Plans and scanned borehole logs - [www.bgs.com](http://www.bgs.com);
- BGS 1:50,00 scale published geological mapping, sheet 27 Durham;
- Coal Authority Records - <http://mapapps2.bgs.ac.uk/coalauthority/home.html>;
- The Coal Authority, Risk Based Approach to Development Management, Guidance for Developers, V4, 2017;
- Durham Mining Museum - [dmm.org.uk](http://dmm.org.uk);
- Department of Environment, Waste Management Paper No 27 – Landfill Gas;
- CIRIA C552 - Contaminated Land Risk Assessment, a Guide to Good Practice, 2001;
- EA Guidance on Requirements for Land Contamination Reports, July 2005; and
- EA Contaminated Land Risk Management, 2020.

#### **5. DEVELOPMENT PROPOSALS**

The site comprises a large Victorian era Vicarage with adjoining land. Redevelopment proposals comprise 3 No. detached dwellings with gardens and access to be constructed on the adjoining land within the grounds of the Vicarage. The Vicarage itself will remain in residential use post development.

A site location plan and a proposed site layout plan provided by the client is provided in Appendix 1.

### 5.1.1 Planning Background

Planning approval was granted for the development in 2018 (DM/17/01740/OUT) subject to the satisfactory discharge of a number of pre-commencement conditions. Condition 8 (parts a to e) relate to land contamination - part a requires the submission of a Phase 1 Preliminary Risk Assessment (Desk Top Study). This report supports the planning application to provide a Phase 1 Preliminary Risk Assessment report supporting the discharge of Condition 8, part a.

This report commences the risk assessment process to evaluate the site and to address potential contamination concerns. Potential contaminant linkages are identified and ranked with regards to risk to receptors.

## 6. SITE DETAILS AND DESCRIPTION

Table 1 documents the current site details and description.

Table 1 Site Details and Description	
<b>Location</b>	The Old Vicarage, South Hetton, Durham, DH6 2SW. A site location plan is provided in Appendix 1.
<b>National Grid Reference</b>	438760, 544720
<b>Approximate Site Area</b>	0.71 ha
<b>Topography and Features</b>	The topography of the site is fairly level, with a slight fall into the site from the A182 road. Google Earth Pro shows the site at around 119m AOD.
<b>Current Land Use</b>	The site is currently in residential use.
<b>Access / Boundaries</b>	Access is provided via a private junction with the A182 road. A drive passes to the side of the Old Vicarage building leading towards the area where the new dwellings are to be constructed. The drive comprises concrete hardstanding and a series of small breeze block buildings are present at the side of the drive, also on concrete hardstanding.  The boundaries comprise fencing with mature trees.
<b>Adjacent Land Uses</b>	North: A182 road, residential housing beyond.  East: Residential housing with agricultural fields beyond.  South: Agricultural fields.  West: Small allotments, fields and housing.

## 6.1 Site Walkover Survey

A site walkover was undertaken by an experienced DBS environmental engineer on 06 October 2021.

Observations from the walkover are as follows.

The site is accessed from the A182 road which forms the main carriageway through South Hetton Village, becoming Front Street to the west of the site. The site is located at the south eastern fringe of the village and comprises a large former Victorian era Vicarage building with adjoining land used as gardens and a very large field/lawn. The Vicarage is still in residential use and will remain post development; 3 No. new dwellings are to be constructed within the large field/lawn area to the rear of the Vicarage building, with access provided from the current driveway.

The field/lawn area is therefore the focus of this report where the new houses are to be constructed within the site, as the Vicarage and its immediate environs will remain.

The access to the side of the Vicarage is wide, and there are a series of small storage buildings constructed with breeze blocks running down the western boundary of the site that appeared of fairly recent construction; the buildings were not entered at the time of the visit. There was no obvious ACM on the buildings either as roofing panels or facias, roofing appeared to be of polycarbonate sheeting. The buildings are constructed on concrete slabs. Another similar but slightly larger building is also present and is used as a domestic garage, a car was present within it; this building is also on a concrete slab. It is understood that these buildings will be cleared to create access for the new site access road.

The site is fringed with mature trees and a garden is present to the rear of the Vicarage building. The area where the new dwellings are proposed comprises a large field/patch of land linked to the main dwelling and comprised mown grass without any features present. Discussions with the owners and residents of the Vicarage revealed that they have owned the site for over 40 years, and it has always been in residential use. The land where the new dwellings are to be located comprised an Orchard when they bought the property, they cleared it of tree's and left it as amenity land to use as a large mown lawn.

Photographs taken during the site visit are presented in Appendix 2.

## 7. SITE HISTORY

A review of historic County Series and Ordnance Survey plans (see Appendix 3) has been undertaken to identify former potentially contaminative land use on and adjacent to the site.

Table 2 summarises the history of the site and the surrounding area in terms of historical features with a potential to impact site development; either through contamination being present on site of origin or due to the cross boundary travel of contaminants into the site from off site features.

Table 2 Site History		
Map Edition	On Site	Off Site
Pre 1857 – 1895	The site comprises a field situated within a wider hedged field network.	<p>The site is surrounded by hedged fields, presumably in agricultural use. A road trends north west / south east past the site. A pub is present to the north west of the site called The Travellers Rest. There are no other features of interest within 250m of the site.</p> <p>Further afield <b>South Hetton Colliery</b> is present 600m to the north west, with <b>wagonways</b> extending south west from it that come within 700m of the sites western boundary. A <b>railway line</b> also extends south from South Hetton 300m west of the site which is the South Hetton Railway. South Hetton Colliery is located within a clearing in a large plantation.</p>
1896 - 1922	The site is developed for the current day Vicarage. A thin linear building is also present within the site	<p>The immediate off site area has some residential features present including Hawthorn Terrace and Hawthorn Cottage, otherwise the site is still immediately surrounded by hedged fields. Areas of <b>spoil</b> are present at the colliery but are &gt;900m from the site.</p> <p>Other than for the colliery and the railways and wagonways extending from it, there is no other significant industry within 1.0km of the site, the general off site area principally comprises of hedged fields and isolated farmsteads.</p>
1939 - 1967	No change other than from mapping of 1958 the thin linear building in the Vicarage grounds is no longer present.	<p>The site is surrounded by residential dwellings and streets to the north and west as South Hetton increases in size, presumably due to the colliery increasing in size. A miners welfare ground and playground is present 200m to the north west, with a pavilion.</p> <p>A small allotment garden is present adjacent to the sites western boundary that increases in size from 1967.</p> <p>The road passing the sites northern boundary is now labelled as the A182.</p>
1969 – 1991 (Partial Mapping)	No significant change other than the central and southern areas of the site have tree's present, possibly an orchard.	No significant change other than another mine appears to the north labelled as " <b>Hawthorne Mine</b> ", but the mine infrastructure is at a significant distance from the site (>1.0km).
1993 - 2021	No significant changes other than the trees are no longer present, or are not mapped on the site.	No significant changes other than <b>Hetton Colliery</b> is no longer present, with the area reclaimed for an industrial estate.

Note - all distances to features quoted in Table 2 are approximate

## 7.1 Site History Summary

### 7.1.1 On Site

The site comprises a field from first mapping of 1857 until 1896 when it becomes developed for the current day vicarage. It then remains in residential use to the current day.

### **7.1.2 Off Site**

The off site area comprises mainly of fields and plantations until South Hetton increases in size and encroaches around the site to the north and west, although away from South Hetton Village the site is still surrounded by fields to the current day.

Heavy industry is present within South Hetton comprising a colliery with wagonways and railway lines, this features from first mapping until it is cleared and replaced with an industrial estate in the 1990s (although the colliery itself was closed when the Durham Coalfield closed in the 1980s). Another mine features to the north of the site from the 1960s but is at a significant distance from the site.

To summarise, the site has been in residential use for over a hundred years, the mining industry features in the off site area but is at a significant distance from the site.

## **8. GEOLOGY**

Reference to BGS online GeoIndex records and information presented by Envirocheck indicates the following geological sequence of strata beneath the site.

### **8.1 Made Ground**

Made Ground is not recorded on the site or surrounding area by either the BGS or Envirocheck. Based on the observations of the site walkover and historical review the potential for significant Made Ground to be present on site other than for building foundations is highly unlikely.

### **8.2 Superficial Deposits**

The BGS Geology Viewer and 1:50,000 scale sheet confirms that the superficial deposits comprise Glacial Till of Devensian age. Lacustrine deposits comprising clay and silt are recorded off site close to the sites southern boundary, and Glaciofluvial Deposits are recorded off site to the east comprising Sand and Gravel.

### **8.3 Solid Geology**

The site is underlain by the Ford Formation comprising Dolostone (dolomitic limestone) of the Permian Period. Coal seams are absent within the Dolostone unit, it sits unconformably above Coal Measures strata which will be at a significant depth below the site.

#### **8.3.1 BGS Borehole Logs**

There are no BGS borehole logs available for the site itself, borehole records are available in the greater area but were sunk at shallow depth and are located within a different geological unit to the site itself so are of no use to this study.

## **8.4 Preliminary Coal Mining Assessment**

### **8.4.1 Deep Coal Mining**

Envirocheck indicates that the site is in an area which may be affected by coal mining activity. Examination of The Coal Authority's (CA's) records identifies that the site is not located within a "High Risk Area".

A stand-alone Coal Mining Risk Assessment Report to evaluate coal mining legacy risks is therefore not required to support the planning application for a change of use at the site, as risks from coal mining legacy have already been ruled out by the CA in accordance with their guidance document "Risk Based Approach to Development Management, Guidance for Developers, V4, 2017".

The site is in a coal mining reporting area meaning the developer should be aware for a potential for unrecorded (ancient) mining features such as bell pits when redeveloping the land. However, due to the Permian Ford Formation that underlies the site not having coal seams present, risks from ancient bell pits are not present.

Also, information on the Coal Authority's viewer confirms the following:

- There are no mine entries recorded on site or within 500m of it;
- There are no fissure or breaklines on site or within 500m of it;
- There are no past or current opencast sites on site or within 500m of it;
- There are no past shallow coal workings on site or within 500m of it;
- There are no probable shallow coal workings on site or within 500m of it; and
- There are no coal outcrops on site or off site within potential influencing distance (none within 1.0km).

There are no coal outcrops within circa 1.0km of the site, as the site is located above dolomitic limestone without any coal seams present.

Coal seams are present below the limestone unit within Coal Measures strata but are at significant depth (>70m) according to shaft logs for the nearby Hetton Colliery and are of no concern to surface development.

Based on this information and the underlying geology, coal mining legacy risks, including risks from mine gas, are considered low.

### **8.4.2 Other Mineral Extraction**

The Envirocheck report identifies no other BGS recorded mineral sites within close proximity of the site.



The Envirocheck report indicates that there is no hazard on site from non-coal mining such as the sporadic underground mining of vein minerals and there are no man-made or natural cavities recorded on site, or off.

### **8.4.3 Natural Hazards**

The Envirocheck report records the natural hazard risks on site, as follows.

- Potential for Collapsible Ground Stability Hazards – Very Low;
- Potential for Compressible Ground Stability Hazards – No Hazard to Moderate;
- Potential for Ground Dissolution Stability Hazards – Very Low;
- Potential for Landslide Ground Stability Hazards – Very Low;
- Potential for Running Sand Ground Stability Hazards – Very Low to Low; and
- Potential for Shrinking or Swelling Clay Ground Stability Hazards – Very Low to Low.

## **9. ENVIRONMENTAL SETTING**

Information from the Envirocheck Report (see Appendix 4) has been reviewed to confirm the environmental setting of the site, discussed next.

### **9.1 Waste Operations**

#### **9.1.1 Landfill**

The Envirocheck report states that there is one landfill site recorded within 250m of the site. 250m is the generally accepted cut of distance for landfill gas to migrate in the subsurface from an actively gassing landfill (DoE WMP No. 27). The landfill is known as “Area Y South of Hetton Minor” and is located 189m to the north of the site; there are no other details available for it suggesting that it pre-dates the Control of Pollution Act 1974.

The Envirocheck report measures the distance of the landfill from the closest point of the site boundary which is the site entrance; when measuring the distance of the closest point of the landfill to the nearest proposed property the nearest property is >250m from the recorded boundary of the historical landfill site. Also, the area of the historical landfill is currently in use for a football pitch and a cricket ground / sports area located within a large recreation ground; this feature first appeared as a miners welfare and recreation ground on OS mapping in 1939 during the historical review meaning any landfill within it is over 80 years old.

There are other landfills in the greater area but all are at a significant distance from the site; for details on these the Envirocheck Report should be consulted in Appendix 4.

#### **9.1.2 Waste Management Operations**

There are no other waste management operations recorded within 1.0km of the site.



## **9.2 Controlled Waters**

### **9.2.1 Surface waters**

There are no surface water courses on site.

There are numerous surface waters in the off site area with one passing close to the sites southern boundary that is classified as an inland river and is unnamed. Several surface water ponds are also present in the off site area.

The site is not located within an area at risk of flooding from rivers and sea without defences (RoFRaS). Surface water flooding risks are not recorded by Envirocheck.

There are no current or active surface water abstractions within 1km.

### **9.2.2 Groundwater**

The Envirocheck Report states that the solid geology is designated as a Principal Aquifer of low vulnerability as classified by the EA in accordance with the Water Framework Directive.

Principal aquifers have high intergranular and/or fracture permeability and can provide a high level of water storage and may support water supply and river base flow on a strategic scale.

The superficial deposits are designated as Unproductive strata in the central and southern areas of the site (majority of site), and a Secondary Aquifer (Undifferentiated) in the north.

The site is not located within a Source Protection Zone. There are no groundwater abstractions within 1km.

The site is located within an area where there is a limited potential for groundwater flooding.

## **9.3 Radon**

The site is in a lower probability radon area (less than 1% of properties are above the Action Level). In accordance with BR211 by the Building Research Establishment, basic radon protection measures are not considered necessary for new properties on any parts of the site.

## **9.4 Ecology**

A SSSI is recorded 392m north of the site for Hesledon Moor West; otherwise there are no sensitive land uses present within 1.0km of the site such as SPA, AONB or SAC.

### **9.4.1 Invasive and Protected Species**

No Invasive or protected plant species were identified during the site walkover. To confirm the absence of invasive or protected species the advice of a suitably qualified ecologist would need to be sought.

## **9.5 Contaminated Land**

There are no records of sites designated as contaminated land under Part 2A of the Environmental Protection Act 1990 within 1.0km of the site.

## 9.6 Fuel Stations

The Envirocheck Report indicates that there are no current or historic petrol stations, or garages within 250m of the site. An obsolete record is available for a former garage on Front Street, South Hetton 498m north west of the site.

## 9.7 Other Relevant Environmental Information

There are no COMAH, IPC, Part A Installations or NIHHS regulated facilities within 1.0m of the site, or installations regulated under the environmental permitting regulations.

There are no active contemporary trade directory entries within 250m of the site. An inactive trade directory entry is held for the site itself, comprising Road Haulage Services for DS Transport; the location is The Old Vicarage, South Hetton, Durham, DH6 2SW. Information from the owner of the Vicarage reveals that the haulage business was registered at the Vicarage address, with an office, but haulage activities were undertaken off site.

There are no recorded National Grid High Voltage Underground Electricity Transmission Cables or High-Pressure Gas Transmission Pipelines within 0.5km of the site.

## 10. POTENTIAL CONTAMINATION SOURCES

A review of the sites history and environmental setting has identified that the site comprised a field until it was developed for a Vicarage in circa 1896; it remains in residential use to the current day comprising a large garden to the rear of the vicarage. The site generally remains surrounded by fields over the years, with the residential dwellings of South Hetton extending up to it to the north and west as the village increases in size. Heavy industry is present in the off site are comprising South Hetton Colliery, with associated wagonway and railway lines, and in more recent years Hawthorn Mine, but this is at a significant distance from the site.

The potential contaminants identified as potentially being present on the site as a result of its past use and location are detailed below:

- **Organic Contaminants** – Petroleum hydrocarbons, PAH (mining).
- **Inorganic Contaminants** – metals/metalloids, acidic/alkalis, sulphates (mining / railway land).
- **Ground Gas** – methane, carbon dioxide, hydrogen sulphide, carbon monoxide (landfill).
- **Other Contaminants** – Combustible materials (mining / railway land).

## 11. ENVIRONMENTAL ASSESSMENT

### 11.1 Preliminary Risk Assessment

In accordance with the current UK Government policy of the “suitable for use” approach to the remediation of contaminated land, a qualitative contamination risk assessment of the site has

been undertaken, with regard to the proposed change of land use, and in relation to the wider environment.

An initial Conceptual Model (CM) has been derived from the assessment of information gained from the preceding desk study information.

The model has been derived using a SOURCE – PATHWAY – RECEPTOR methodology to enable potential pollutant linkages to be identified, assessed, and ranked in terms of importance by consideration of:

1. The presence and degree of integrity of pollution linkages
2. Evaluation of the significance of contamination risk based upon the severity of harm and sensitivity of receptors to which harm or pollution may be caused

The identification and significance of potential “pollutant linkages” discussed above is a key component in the evaluation of potentially contaminated land. An approach based on CIRIA C552 - *Contaminated Land Risk Assessment, a Guide to Good Practice (2001)* has been used as a basis for risk assessment in this report.

The classification of risk is presented in Tables 3 to 5, with the Preliminary Risk Assessment (initial Conceptual Model) presented in Table 6.

## **11.2 Risk Assessment Approach / Method**

### **11.2.1 Stage 1 – Potential Consequence of Contaminant**

Potential consequences relating to contaminants are detailed in Table 3.

<b>Table 3 Potential Consequence of Contaminant</b>					
<b>Classification</b>	<b>Human Health</b>	<b>Controlled Water</b>	<b>Ecology, Flora &amp; Fauna</b>	<b>Property</b>	
				<b>Structures</b>	<b>Crops &amp; Animals</b>
Severe	Irreversible damage to human health	Substantial pollution of sensitive water resources	Significant change to the number of one or more species or ecosystems	Irreparable damage to buildings, structures or the environment	Loss in value of livestock / crops resulting from death, disease or physical damage
Moderate	Non-permanent health effects to humans	Pollution of non-sensitive water resources or small scale pollution of sensitive water resources	Change to population densities of non-sensitive species	Damage to sensitive buildings, structures or the environment	Non-permanent health effects from disease or physical damage which result in reduction in value
Mild	Slight short term effects to humans	Slight pollution of non-sensitive water resources	Some change to population densities but with no negative effects on the function of the ecosystem	Easily repairable effects of damage to buildings or structures	Slight or short term health effects which result in slight reduction in values
Negligible	No measurable effects on humans	Insubstantial pollution to non-sensitive water resources	No significant changes to population densities in the environment or in any ecosystem	Very slight non-structural damage or cosmetic harm to buildings or structures	No significant reduction in value

### 11.2.2 Stage 2 – Likelihood of Contaminant Linkage

Stage 2 assesses the probability of the selected contaminant and receptor being linked by the identified pathway. The probability is based on site specific conditions and ranked in Table 4.

<b>Table 4 Likelihood of Contaminant Linkage</b>	
Very unlikely	0% to 5%
Unlikely	5% to 45%
Possible	45% to 55%
Likely	55% to 95%
Almost certain	95% to 100% (i.e. impact noted during investigation)

### 11.2.3 Stage 3 – Overall Risk Classification

Stage 3 provides an overall assessment of the actual risk based on the consequence of the risk being realised and the likelihood of the risk being realised. The risk classifications are assigned using the consequence / likelihood matrix presented in Table 5.

Table 5 Risk Classification					
Potential Consequence	Likelihood				
	Very Unlikely	Unlikely	Possible	Likely	Almost Certain
Severe	Low	Low to Moderate	Moderate to High	High	Very High
Moderate	Negligible to Low	Low	Moderate	Moderate to High	High
Mild	Negligible	Low	Low	Low to Moderate	Moderate
Negligible	Negligible	Negligible	Negligible to Low	Low	Low

Overall risks are described as follows:

- Very High     There is a high probability that severe harm could arise to a designated receptor from an unidentified contaminant without appropriate remedial action.
- High             A designated receptor is likely to experience significant harm from an identified contaminant without remedial action.
- Moderate        It is possible that harm could arise to a designated receptor from an identified contaminants, but it is likely that such harm would be relatively localised or non-permanent. Remedial action may be necessary.
- Low                It is possible that harm could arise to a designated receptor from an identified contaminant; however, this is likely to be mild.
- Negligible        The presence of the identified contaminant does not give rise to the potential to cause significant harm.

### 11.3 Summary

A preliminary risk assessment is presented in Table 6. The assessment is based on the three stages above and has been undertaken for specific contaminants / groups of contaminants identified as being potentially present.

It should be noted that risks associated with redevelopment workers are not included in the initial CM, as these would be mitigated using appropriate health and safety management. Risk associated with redevelopment workers would not represent a key driver for the remediation of a site.

For this report only the main hazards, pathways, receptors, and potential pollutant linkages identified to date are detailed in Table 6.

**Table 6**

**Initial Conceptual Model Summary**

<b>Linkage Number</b>	<b>Source</b>	<b>Contaminant</b>	<b>Receptor</b>	<b>Pathway</b>	<b>Potential Effect</b>	<b>Potential Consequence of Linkage</b>	<b>Likelihood Linkage</b>	<b>Risk Classification</b>	<b>Comment</b>
	Landfill (off site)	Ground Gas (carbon dioxide, methane, trace gasses)	<b>Human Health</b>						
1			Current Site Users	Inhalation of toxic gas	Asphyxiation	Severe	Very Unlikely	Low	Site in residential use for over a hundred years without any known issues.
2			Future Site Users	Inhalation of toxic gas	Asphyxiation	Severe	Unlikely	Low to Moderate	Landfill location became a miners welfare ground in 1939 and remains to the current day surrounded by residential streets. Closest point of landfill >250m from nearest proposed dwelling. Low Permeability Glacial Till present between site and landfill. Risks of ground gas that can migrate under pressure off site not present.

Table 6

Initial Conceptual Model Summary

Linkage Number	Source	Contaminant	Receptor	Pathway	Potential Effect	Potential Consequence of Linkage	Likelihood Linkage	Risk Classification	Comment
			<b>Property</b>						
3			Built Structure	Accumulation of explosive gas	Explosion	Severe	Unlikely	Low to Moderate	As Linkage ID2.
	Colliery's (off site)	Metals/metalloids, acids/alkalis, petroleum hydrocarbons, PAH, sulphates, combustible material	<b>Human Health</b>						
4			Current site users	Dermal contact, ingestion, inhalation	Toxic, carcinogenic, hazardous to human health	Severe	Unlikely	Low to moderate	As Linkage ID1.
5			Future site users	Dermal contact, ingestion, inhalation	Toxic, carcinogenic, hazardous to human health	Severe	Unlikely	Low to Moderate	Hetton Colliery located >600m from the site / Hawthorn Colliery >1.0km. Both have now been remediated and the land reclaimed, no pathway for contamination to impact site due to distance and the presence of Glacial Till.

**Table 6**

**Initial Conceptual Model Summary**

<b>Linkage Number</b>	<b>Source</b>	<b>Contaminant</b>	<b>Receptor</b>	<b>Pathway</b>	<b>Potential Effect</b>	<b>Potential Consequence of Linkage</b>	<b>Likelihood Linkage</b>	<b>Risk Classification</b>	<b>Comment</b>
6	Wagonways / railway lines (off site)	Metals/metalloids, petroleum hydrocarbons, PAHs, combustible material	<b>Human Health</b>  Future site users	Dermal contact with lesions, inhalation, ingestion	Toxic, hazardous to human health	Moderate	Unlikely	Low	Lines located at least 300m from site and no longer present/in use. No pathway for any contamination to impact site due to distance and presence of surface water course between site and source.

Note – shaded linkages denote further work and/or pathway modification is required to address potentially significant pollutant linkage. Risks to construction workers during redevelopment are not included within the initial CM as all risks will be controlled by suitable RAMS and the appropriate H&S Legislation for the task.



## 11.4 Preliminary Risk Assessment – Initial Conceptual Model Summary

The initial CM presents an overall risk classification for each potential source of contamination listed in Table 6, based on the potential consequences of contamination and the likelihood of a contaminant receptor linkage.

The initial CM identifies six potential pollutant linkages at the site, of these none are considered to be potentially significant; the site simply comprises a large parcel of land/garden located to the rear of a vicarage that has been in use for over a hundred years. Heavy industry was present in the greater area historically associated with the mining industry but this was at a significant distance from the site. This is based on the information available for review and assumptions and uncertainties as detailed below.

### 11.4.1 Initial Conceptual Model Assumptions & Uncertainties

The risk classification presented in Table 6 is based on the following assumptions and uncertainties.

- It has been assumed that all relevant potentially contaminative processes at the site have been identified;
- The site comprises a large parcel of land manicured as a lawn with mature trees at its boundaries located within the confines of a Vicarage, prior to the establishment of the Vicarage in the 1800s the site comprised part of a field;
- Risks to controlled waters have not been identified, an unnamed surface water course passes the sites southern boundary and the site is located above a Principal Aquifer but there is no source of contamination identified on site that could present risks to controlled waters.
- Small breeze block buildings located down the side of the site entrance were not entered during the site visit but are understood to be just used for general storage, all were located on competent concrete hardstanding and appeared to have polycarbonate roof panels, not ACM sheeting;
- A small residential garage located where the future site access road will be accommodated has not been considered a potential source of contamination to the site, it is constructed on a concrete slab and any maintenance/storage leaks and drips will be minor;
- There is no information/evidence available to suggest that there has ever been a pollution incident relating to the storage of organic or other pollutants at the site;
- A small allotments off site has not been considered a source of contamination; and

- A landfill is recorded by Envirocheck within 200m of the site boundary. Examination of site sensitivity mapping and OS plans confirms that the location of the landfill is a Miners Welfare and Recreation Ground that was constructed circa 1939. Ground gas risks from landfill of this age in terms of migration are not feasible, as any organic carbon within the waste will have been exhausted by now. The landfill location is still in use as a recreation ground now, it has a cricket pitch, a football pitch and children's play area that is well kept, it is surrounded by residential streets. Also, the area of the site where the dwellings are proposed is over 250m from the historical landfill location, with low permeability Glacial Till in-between, landfill gas risks are not present.

## **12. SUMMARY AND CONCLUSIONS**

### **12.1 Environmental Setting**

The site comprises a Victorian era Vicarage and adjoining land that is still in residential use. Redevelopment proposals involve the construction of 3 No. detached dwellings within the large field/lawn area to the rear of the Vicarage building.

The site is generally surrounded by fields and residential housing.

The site is located within an environmentally insensitive area. Superficial deposits are recorded as low permeability Glacial Till. Groundwater comprises of a Principal Aquifer but it is recorded as low vulnerability and there are no SPZ present or abstraction licenses present.

### **12.2 Contamination**

The site has been in residential use since the 1800s without any significant sources of industry present with a potential for mobile contamination to cross boundaries into the site.

The site was remote when first developed for a Vicarage in the late 1800, the residential streets of South Hetton then gradually encroached up to it, although the areas to the south east and south west remain as agricultural fields.

The mining industry was present in the off site area until the closure of the Durham Coalfield in the 1980s; all former mining areas have since been reclaimed. None of the mining areas were within influencing distance of the site, being located approximately 600m to 1000m from the site.

There have been no Source-Pathway-Receptor linkages identified that require further evaluation by way of a Phase 2 ground investigation, the site has been in residential use for over a hundred years and will remain in residential use following redevelopment.

## **12.3 Ground Gas**

### **12.3.1 Landfill**

One landfill is recorded within 250m of the site boundary. Examination of Envirocheck site sensitivity mapping and historical OS plans confirms that the location of the landfill is a Miners Welfare and Recreation Ground that was constructed circa 1939, meaning any wastes present are over 80 years old. There is no obvious evidence on historical OS plans for a landfill at this location.

Ground gas risks from landfill of this age in terms of migration are not feasible, as any organic carbon within the waste mass will have been exhausted by now. The landfill location is still in use as a recreation ground; it has a cricket pitch, a football pitch and a children's play area present that is well kept, it is surrounded by residential streets (see photographs in Appendix 2). Also, the area of the site where the dwellings are proposed is over 250m from the historical landfill location, with low permeability Glacial Till in-between, landfill gas risks are not present.

### **12.3.2 Mining**

The site is in a Coal Authority "Low Risk Area" for mining. Risk from coal mining have not been identified as there are no mining features identified within 500m of the site. Mine gas risks and/or risks to ground stability from shallow workings have therefore not been identified.

### **12.3.3 Radon**

The site is not within a Radon Affected Area as defined by the Health Protection Agency.

Radon protective measures are therefore not considered necessary for future residential dwellings in accordance with BRE211.

### **12.3.4 Made Ground**

Made Ground with a potential for gas generation is not expected on site.

## **12.4 Contamination Conclusions**

Based on the findings of this report, there are no potential source-pathway-receptor contaminant linkages identified that require further evaluation by way of an intrusive ground investigation. The report supports the discharge of planning condition 8 part a. Parts b to e are not relevant as no pollutant linkages have been identified that require further evaluation.

The findings of this report should be agreed with DCC prior to any redevelopment work commencing on site.

---

## **13. RECOMMENDATIONS**

### **13.1 Human Health, Property**

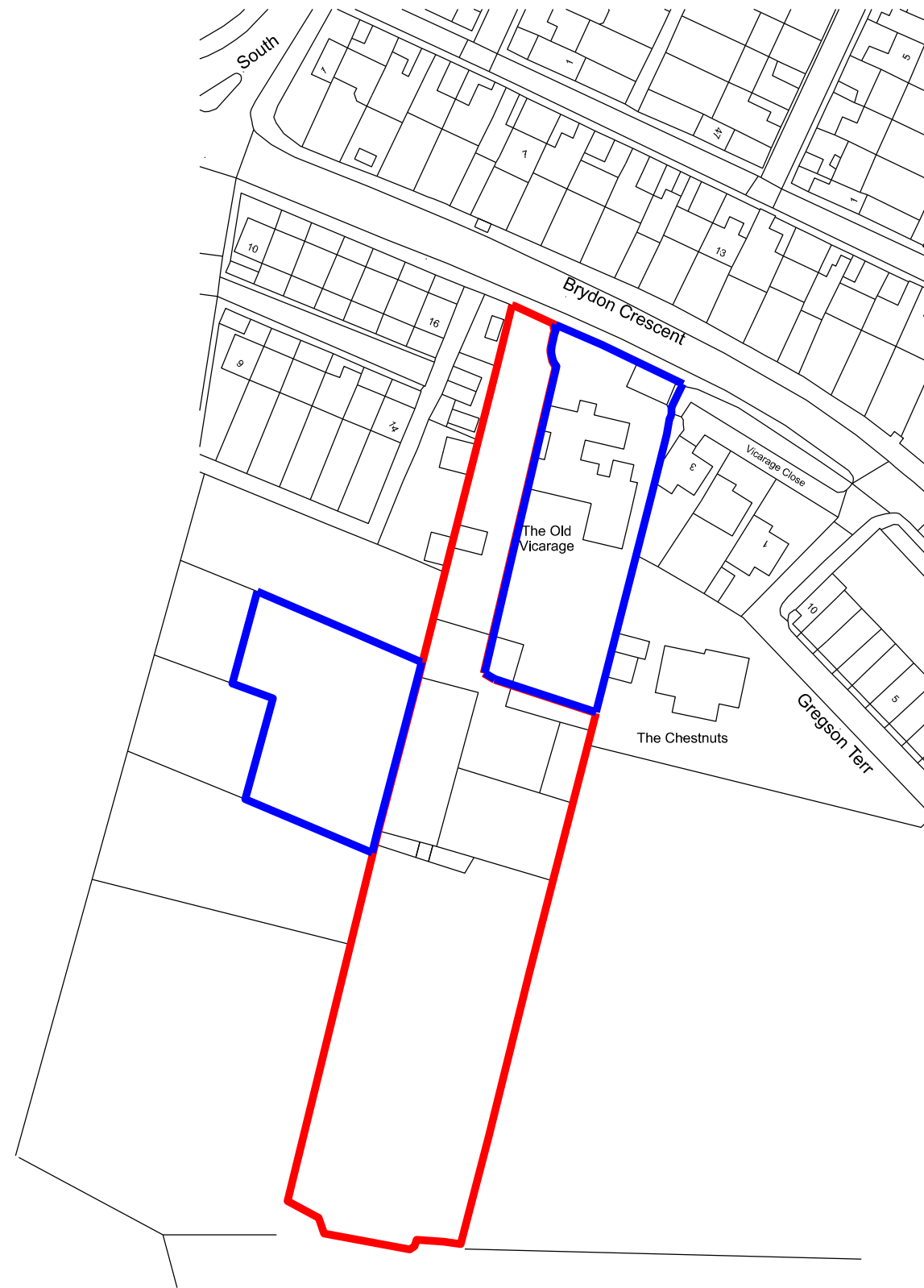
It is recommended that a watching brief is maintained on site by the developer. In the highly unlikely event that ground conditions are different to that expected within this report, and contamination is suspected due to the presence of buried materials, fibrous materials, unusually coloured or odorous ground or the presence of free phase oils then work should stop, a suitably qualified contaminated land professional appointed and the Contaminated Land Officer of Durham County Council informed to agree a way forward.

### **13.2 Redevelopment Workers**

It is recommended that redevelopment workers and wear suitable PPE appropriate to the task controlled by the relevant H&S legislation.

This should include as a minimum a high viz jacket and trousers, eye protection, hard hat, gloves and disposable masks if dust is generated. Good hygiene practices should be followed such as not eating, drinking or smoking in working areas, with the use of hand washing/sanitizer at break times.

## APPENDIX 1 – DRAWINGS





## APPENDIX 2 – SITE PHOTOGRAPHS



Site Walkover Photographs  
The Old Vicarage, South Hetton  
6 October 2021



Photographic Plate 1 – Access drive into the Old Vicarage.



Photographic Plate 2 – A182 road at site entrance looking east.

Site Walkover Photographs  
The Old Vicarage, South Hetton  
6 October 2021



Photographic Plate 3 – The Old Vicarage, still in residential use.



Photographic Plate 4 – Concrete hardstanding to side of Vicarage building that will provide access to new dwellings.



Site Walkover Photographs  
The Old Vicarage, South Hetton  
6 October 2021



Photographic Plate 5 – Small breeze block buildings at side of Vicarage, to be demolished for new access driveway.



Photographic Plate 6 – Roofing appears to comprise polycarbonate sheets, daylight penetrates them.



Site Walkover Photographs  
The Old Vicarage, South Hetton  
6 October 2021



Photographic Plate 7 – Concrete slab at surface below outbuildings.



Photographic Plate 8 – Ad hoc storage in breeze block out building.



Site Walkover Photographs  
The Old Vicarage, South Hetton  
6 October 2021



Photographic Plate 7 – Car in garage, also on concrete slab.



Photographic Plate 8 – Garden to rear of Vicarage, this is outside of the development area.

Site Walkover Photographs  
The Old Vicarage, South Hetton  
6 October 2021



Photographic Plate 9 – The site where the new dwellings are to be built, looking south, fields beyond boundary.



Photographic Plate 10 – Site area looking north to Vicarage.



Site Walkover Photographs  
The Old Vicarage, South Hetton  
6 October 2021



Photographic Plate 11 – Access to recreation area to north west of site (former miners welfare).



Photographic Plate 12 – Recreation ground, cricket pitch with football pitch beyond (area recorded as a landfill).

## APPENDIX 3 – HISTORICAL PLANS



# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

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

## Ordnance Survey Plan 1:10,000

- Chalk Pit, Clay Pit or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Lake, Loch or Pond
- Dunes
- Boulders
- Coniferous Trees
- Non-Coniferous Trees
- Orchard
- Scrub
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Sloping Masonry
- Pylon
- Electricity Transmission Line
- Pole
- Cutting
- Embankment
- Standard Gauge Multiple Track
- Standard Gauge Single Track
- Siding, Tramway or Mineral Line
- Narrow Gauge
- Geographical County
- Administrative County, County Borough or County of City
- Municipal Borough, Urban or Rural District, Burgh or District Council
- Borough, Burgh or County Constituency  
Shown only when not coincident with other boundaries
- Civil Parish  
Shown alternately when coincidence of boundaries occurs
- BP, BS Boundary Post or Stone
- Ch Church
- CH Club House
- F E Sta Fire Engine Station
- FB Foot Bridge
- Fn Fountain
- GP Guide Post
- MP Mile Post
- MS Mile Stone
- Pol Sta Police Station
- PO Post Office
- PC Public Convenience
- PH Public House
- SB Signal Box
- Spr Spring
- TCB Telephone Call Box
- TCP Telephone Call Post
- W Well

## 1:10,000 Raster Mapping

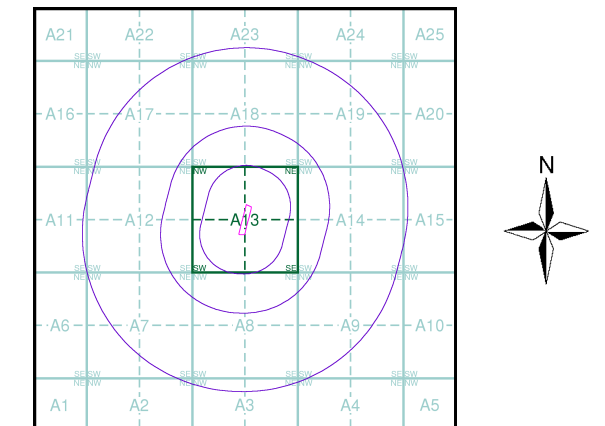
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary
- Area of wooded vegetation
- Non-coniferous trees (scattered)
- Coniferous trees (scattered)
-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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:10,560	1861	2
Durham	1:10,560	1898	3
Durham	1:10,560	1922	4
Ordnance Survey Plan	1:10,000	1940 - 1952	5
Ordnance Survey Plan	1:10,000	1967	6
Ordnance Survey Plan	1:10,000	1976 - 1978	7
Ordnance Survey Plan	1:10,000	1985 - 1988	8
Ordnance Survey Plan	1:10,000	1991 - 1993	9
10K Raster Mapping	1:10,000	2000	10
Street View	Variable		11

## Historical Map - Slice A



## Order Details

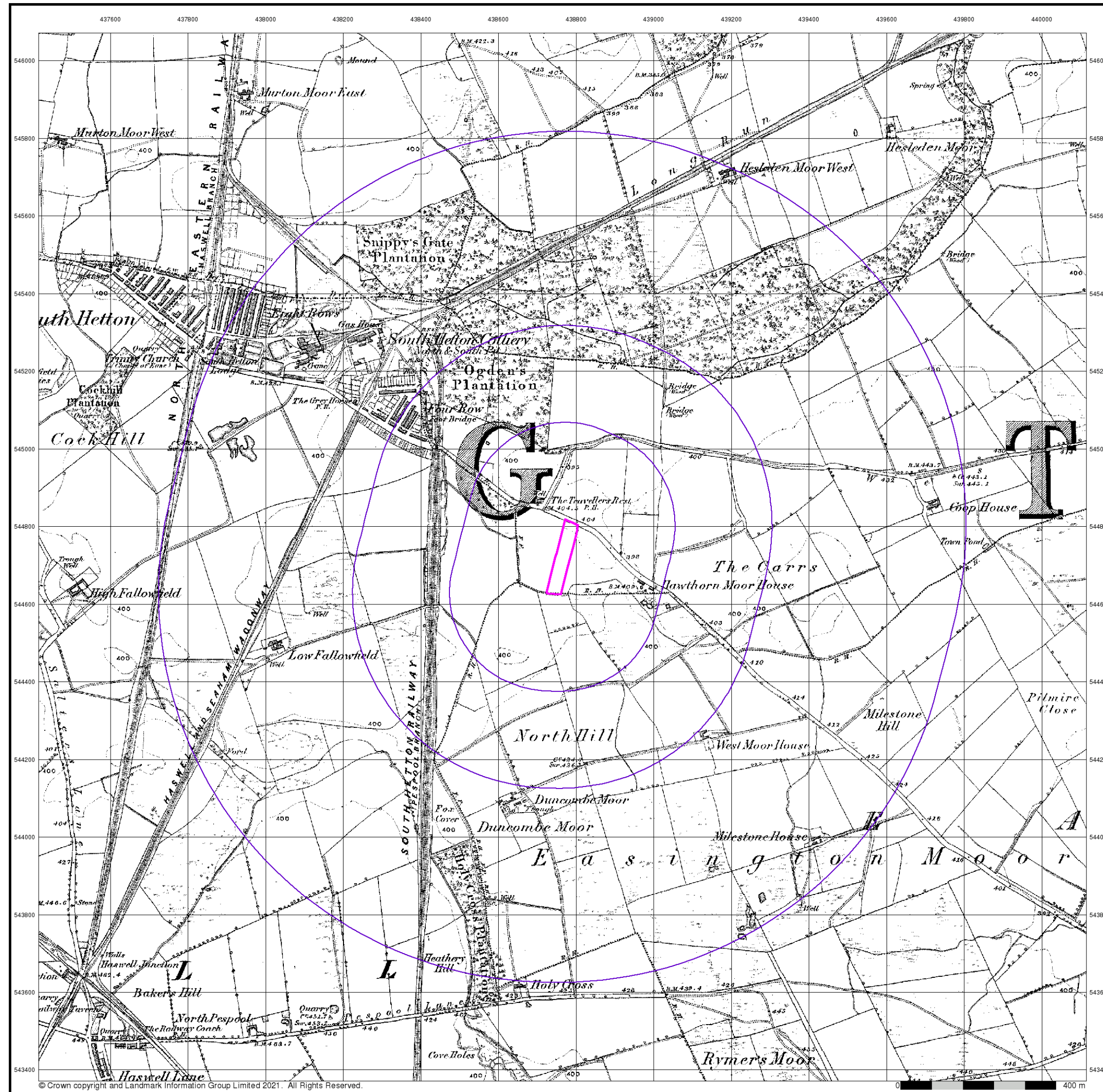
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 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
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 Site Area (Ha): 0.71  
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## Site Details

The Old Vicarage, South Hetton, DURHAM, DH6 2SW



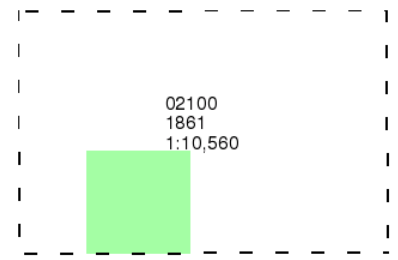
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 Fax: 0844 844 9951  
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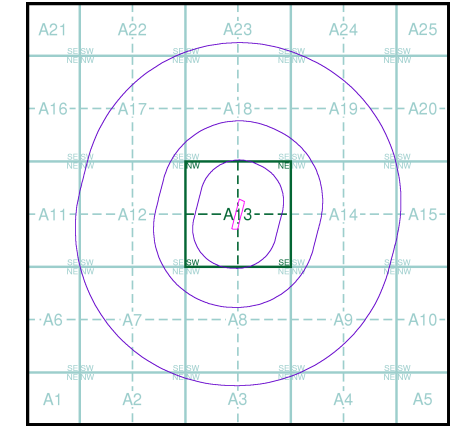
**Durham**  
**Published 1861**  
**Source map scale - 1:10,560**

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)**



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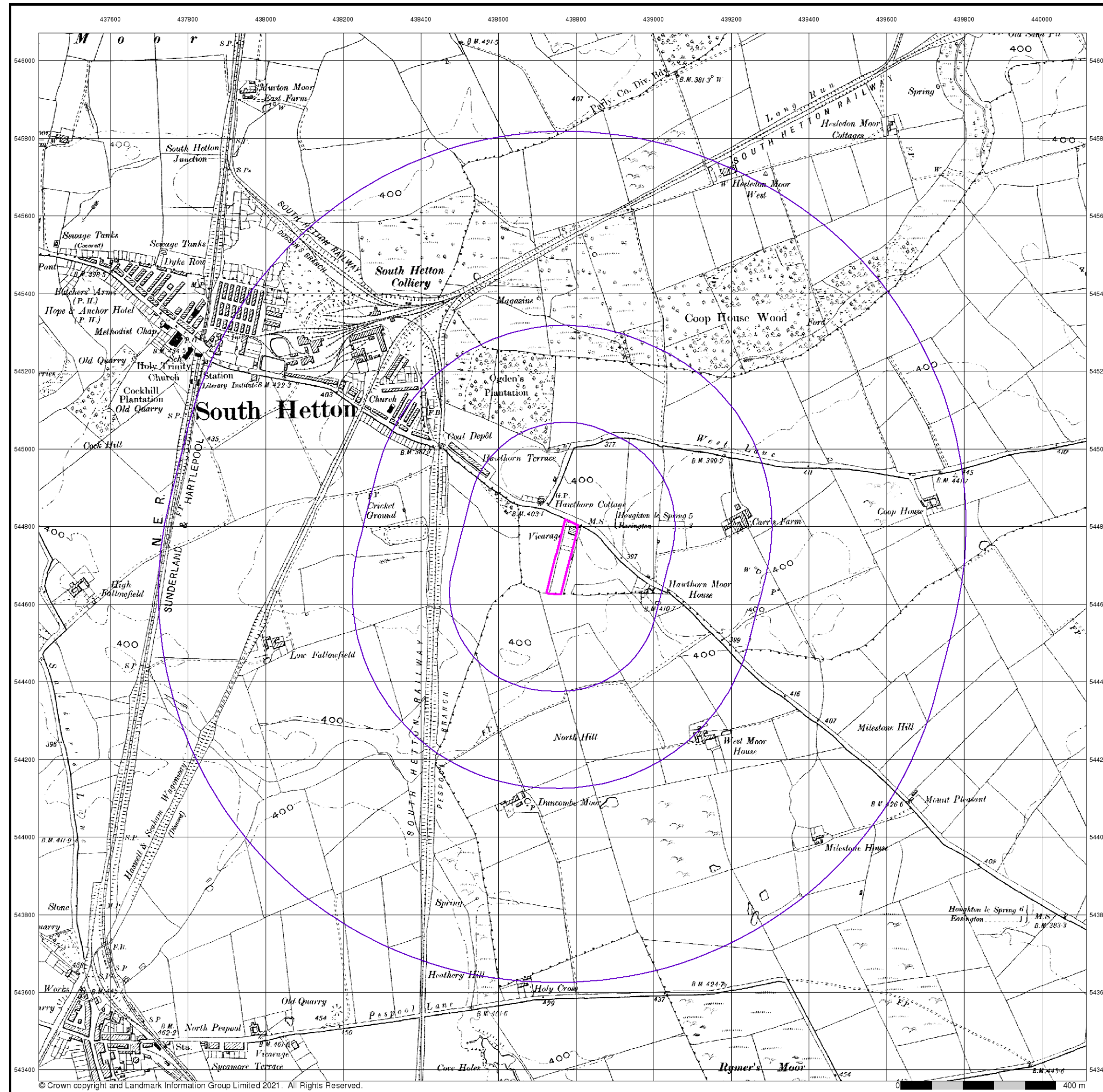
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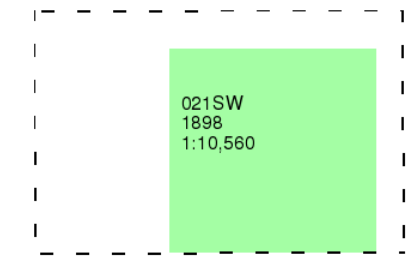
**Durham**

**Published 1898**

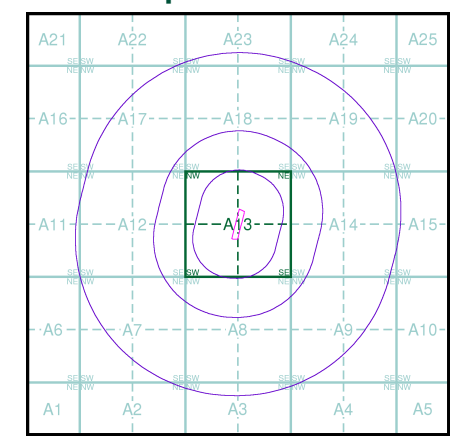
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**Map Name(s) and Date(s)**



**Historical Map - Slice A**



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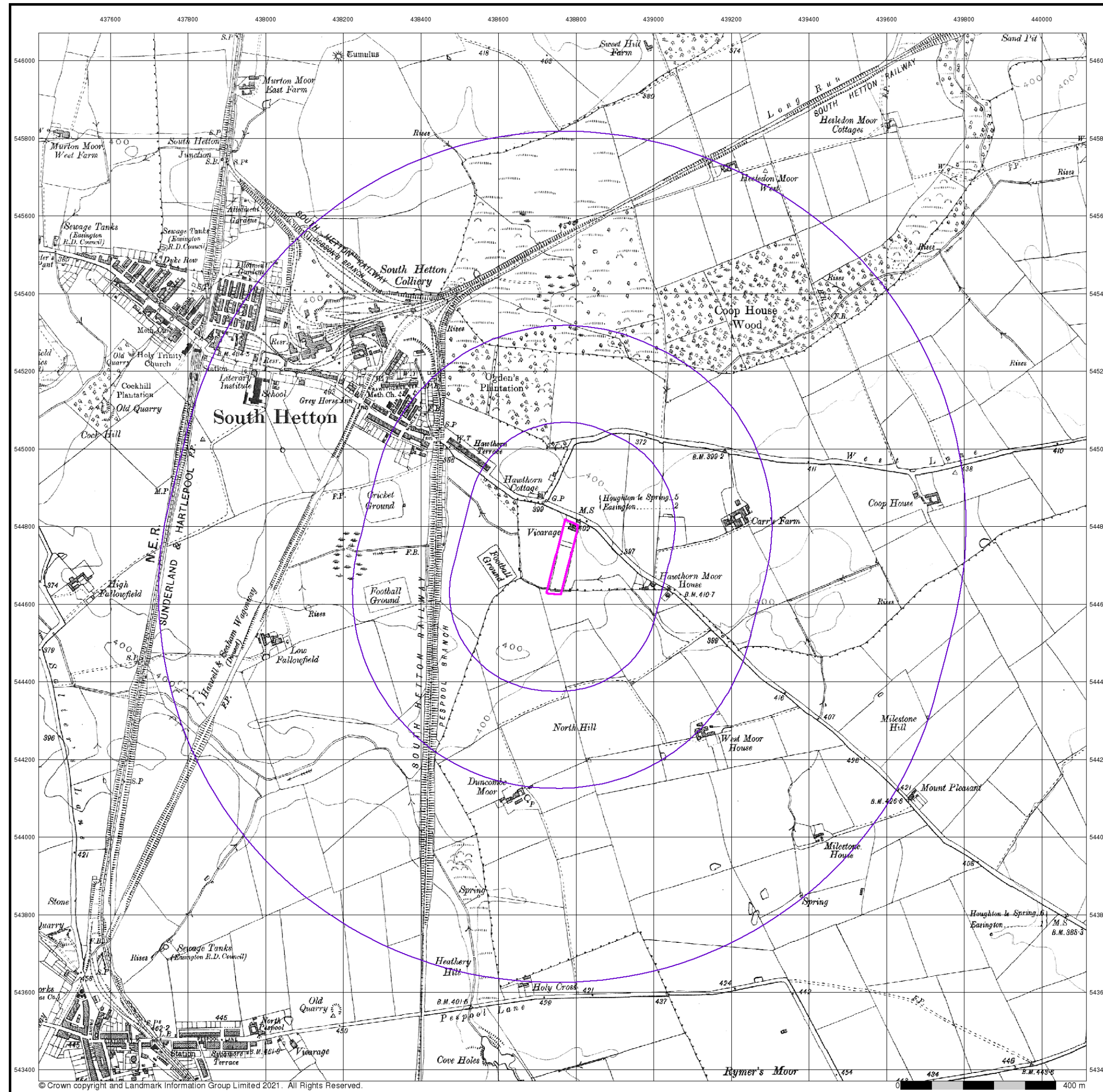
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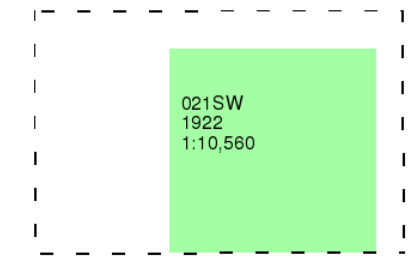




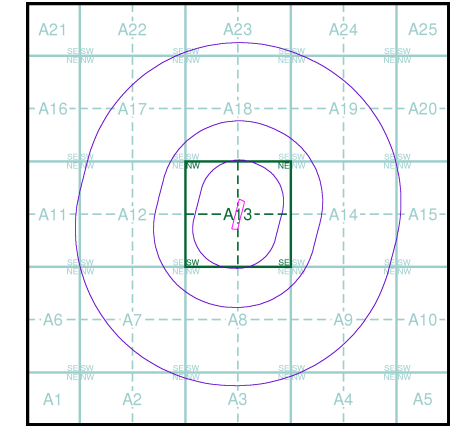
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**Map Name(s) and Date(s)**



**Historical Map - Slice A**



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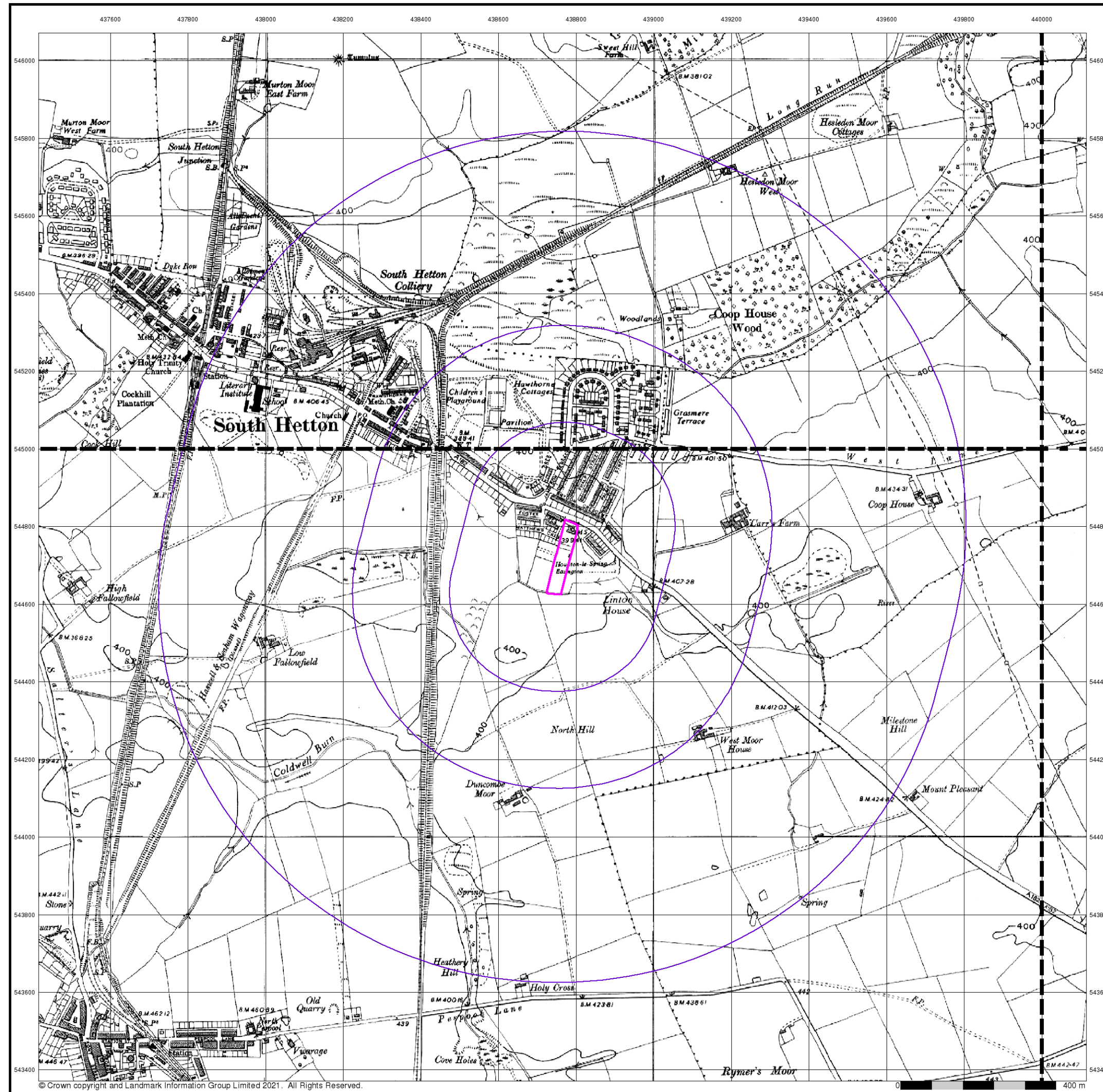
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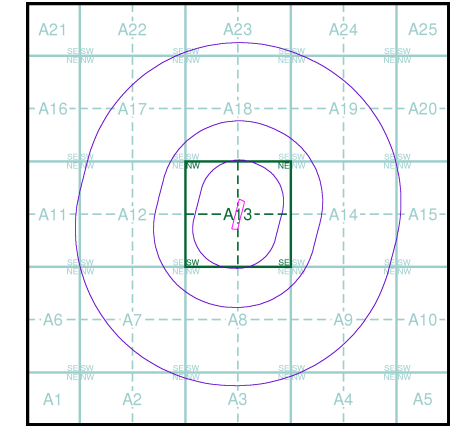
**Ordnance Survey Plan**  
**Published 1940 - 1952**  
**Source map scale - 1:10,000**

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**Map Name(s) and Date(s)**

NZ34NE	NZ44NW
1951	1952
1:10,560	1:10,560
NZ34SE	NZ44SW
1952	1940
1:10,560	1:10,560

**Historical Map - Slice A**



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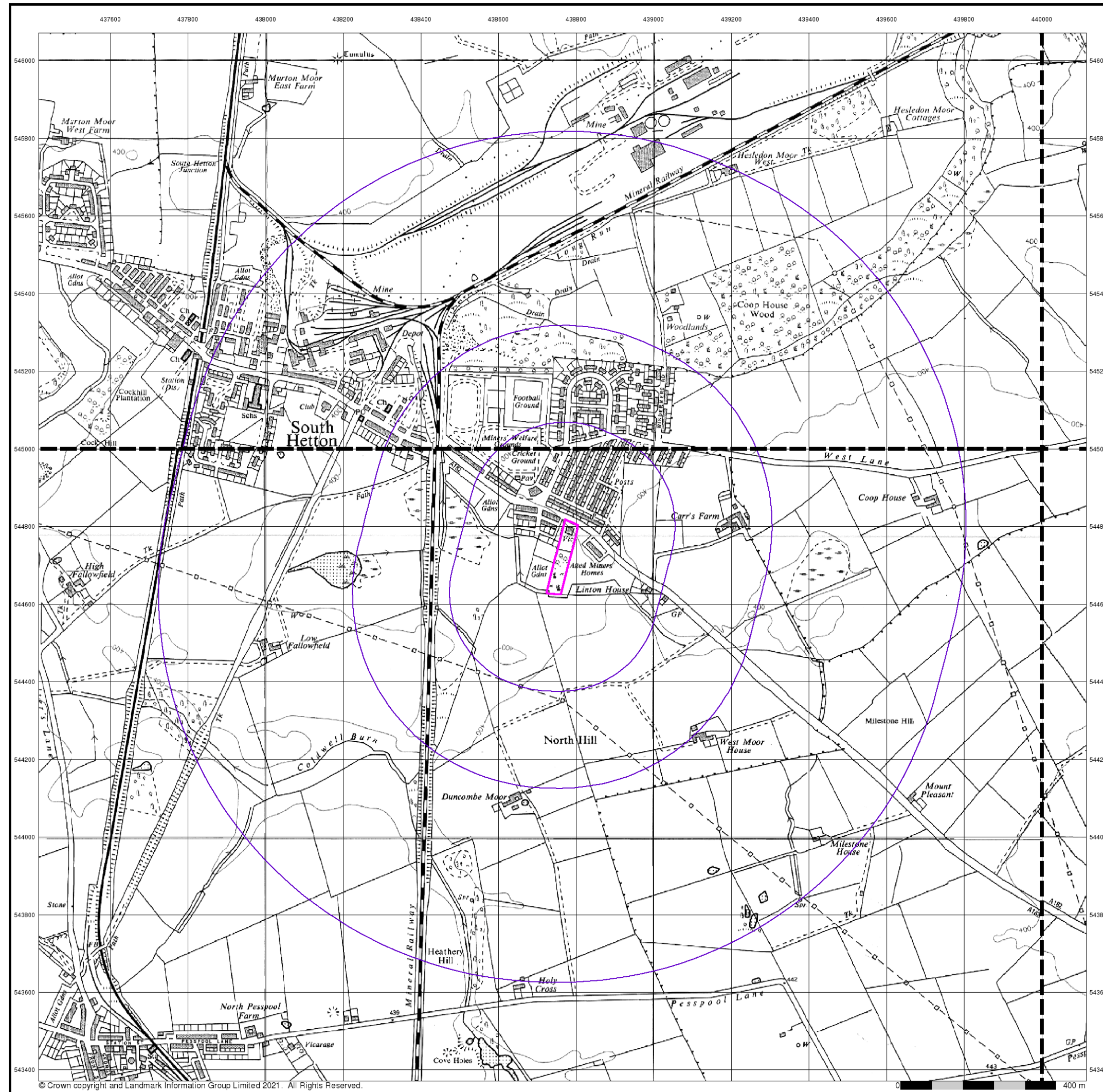
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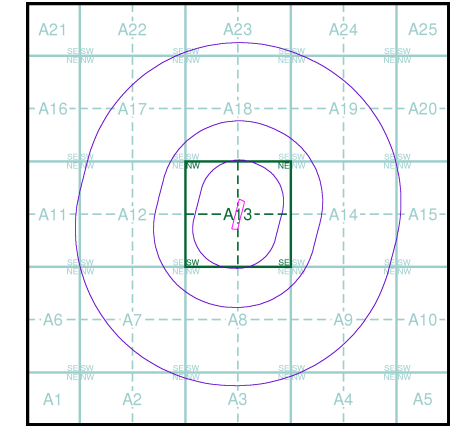
**Ordnance Survey Plan**  
**Published 1967**  
**Source map scale - 1:10,000**

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**Map Name(s) and Date(s)**

NZ34NE	NZ44NW
1967	1967
1:10,560	1:10,560
NZ34SE	NZ44SW
1967	1967
1:10,560	1:10,560

**Historical Map - Slice A**



**Order Details**

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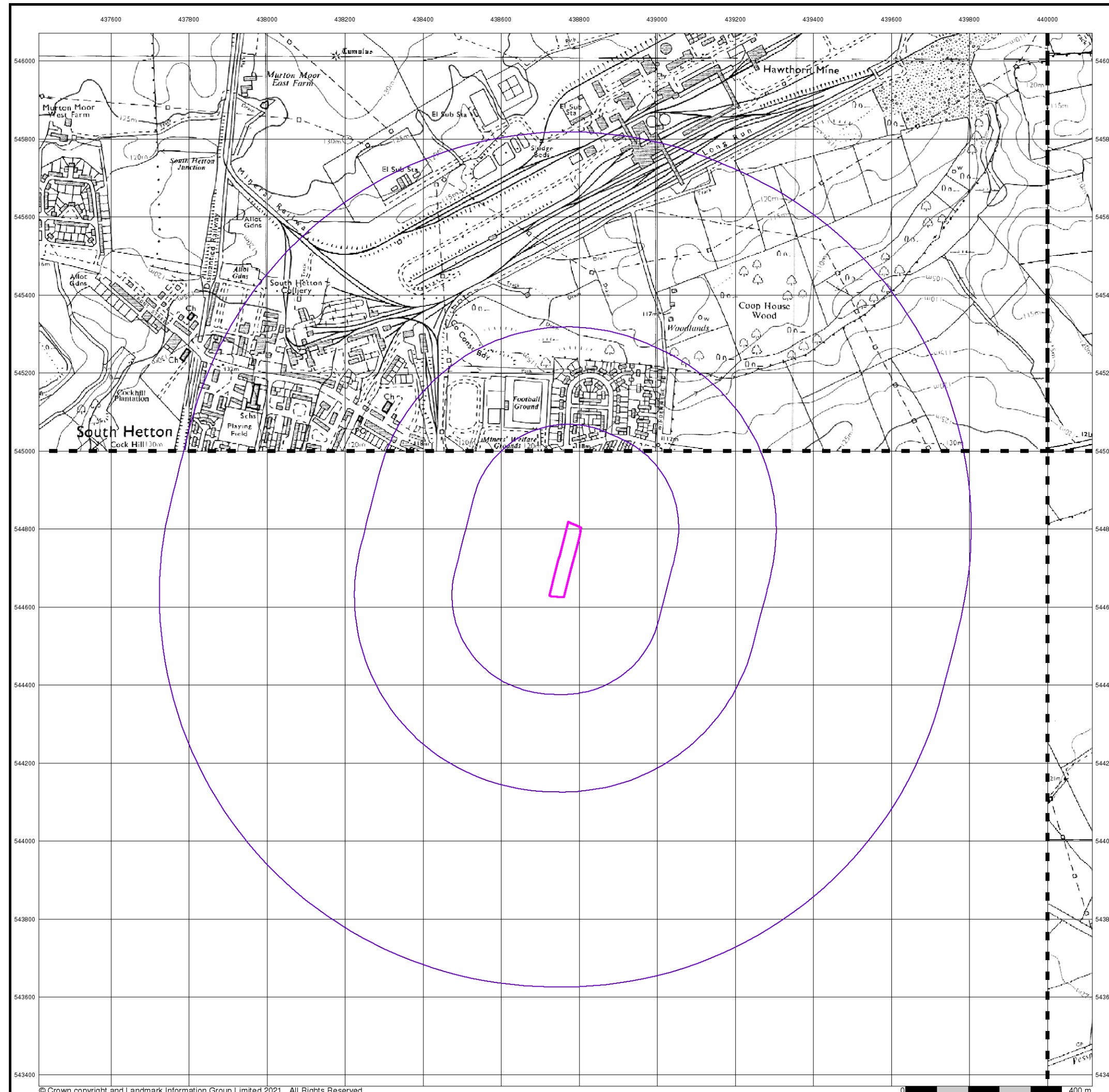
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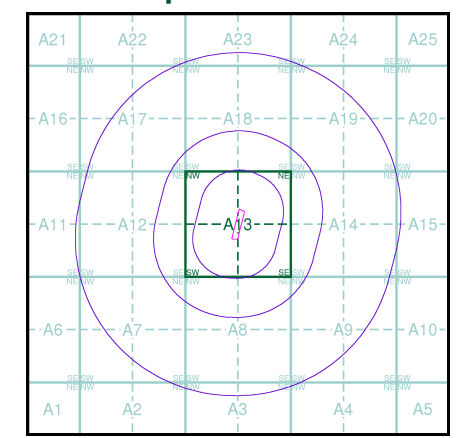
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**Published 1976 - 1978**  
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**Map Name(s) and Date(s)**

NZ34NE	NZ44NW
1977	1978
1:10,000	1:10,000
■	
NZ44SW	
1976	
1:10,000	

**Historical Map - Slice A**



**Order Details**

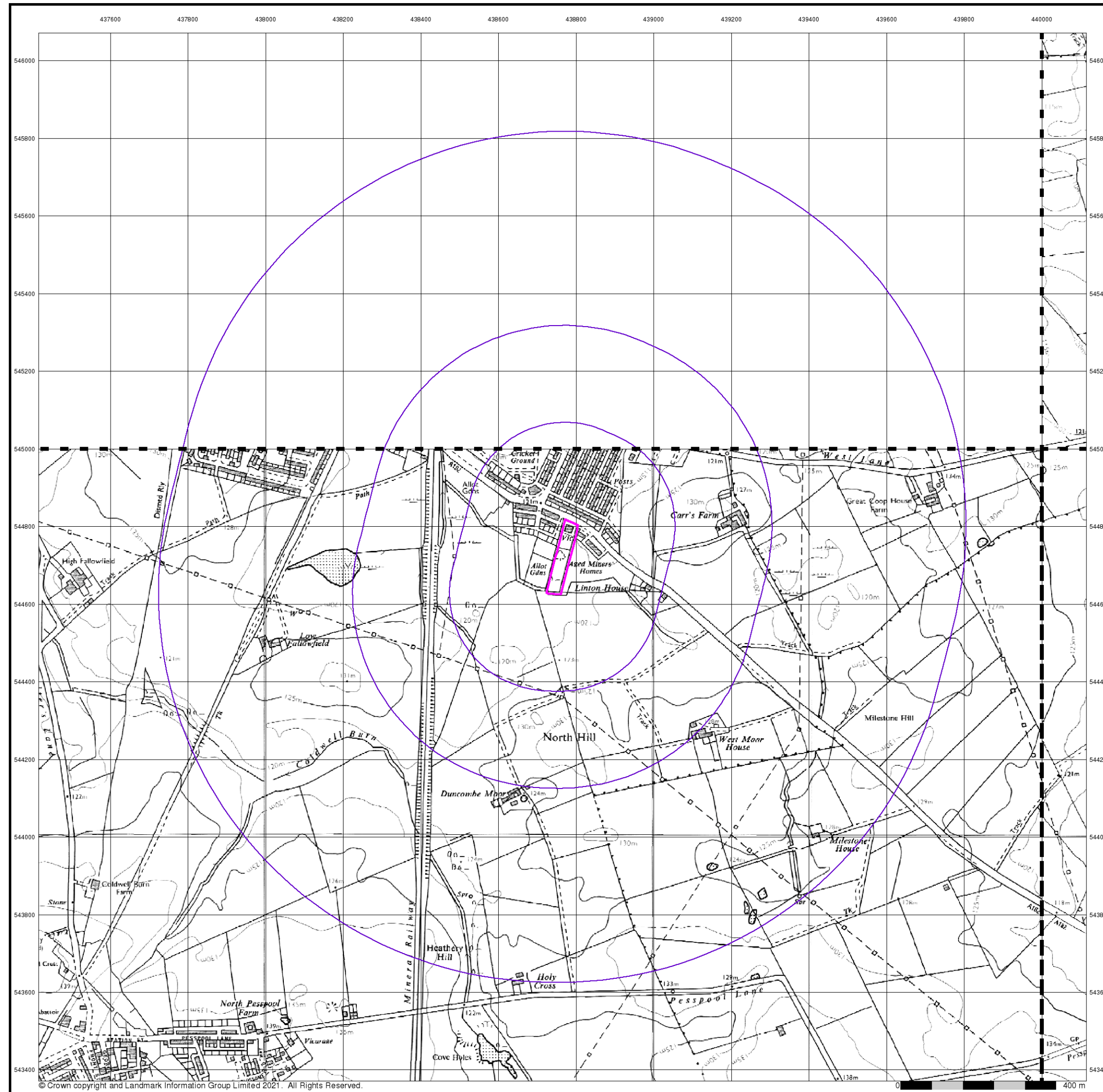
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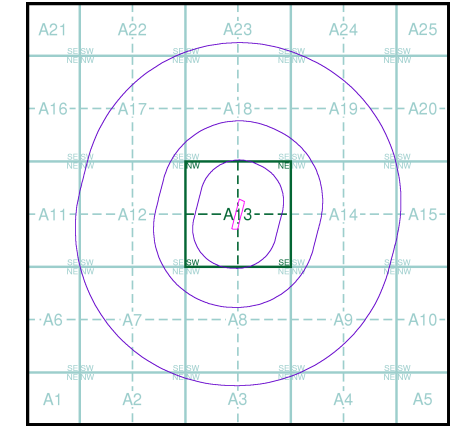
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**Published 1985 - 1988**  
**Source map scale - 1:10,000**

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)**

NZ44NW	1987	1:10,000
NZ34SE	1988	1:10,000
NZ44SW	1985	1:10,000

**Historical Map - Slice A**



**Order Details**

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 1000

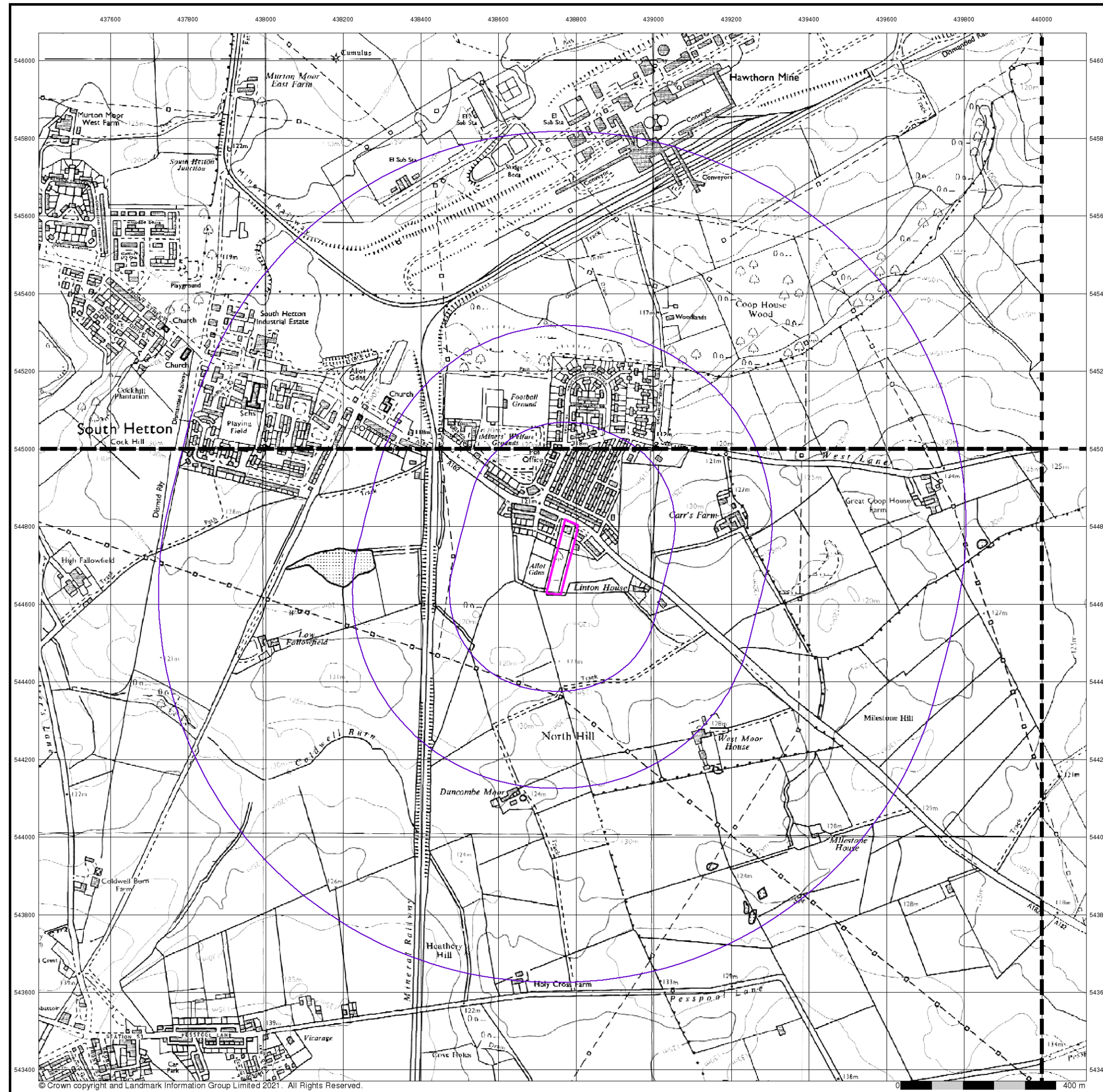
**Site Details**

The Old Vicarage, South Hetton, DURHAM, DH6 2SW



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





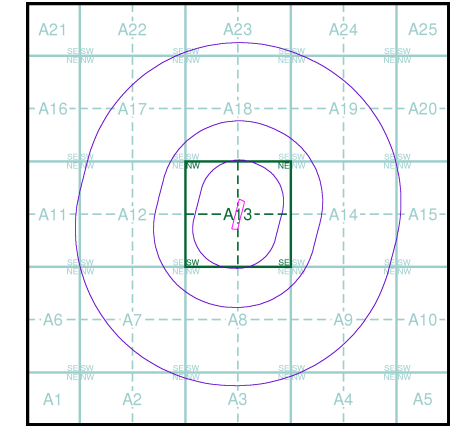
**Ordnance Survey Plan**  
**Published 1991 - 1993**  
**Source map scale - 1:10,000**

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

**Map Name(s) and Date(s)**

NZ34NE	1991	1:10,000
NZ34SE	1991	1:10,000
NZ44SW	1993	1:10,000

**Historical Map - Slice A**



**Order Details**

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 1000

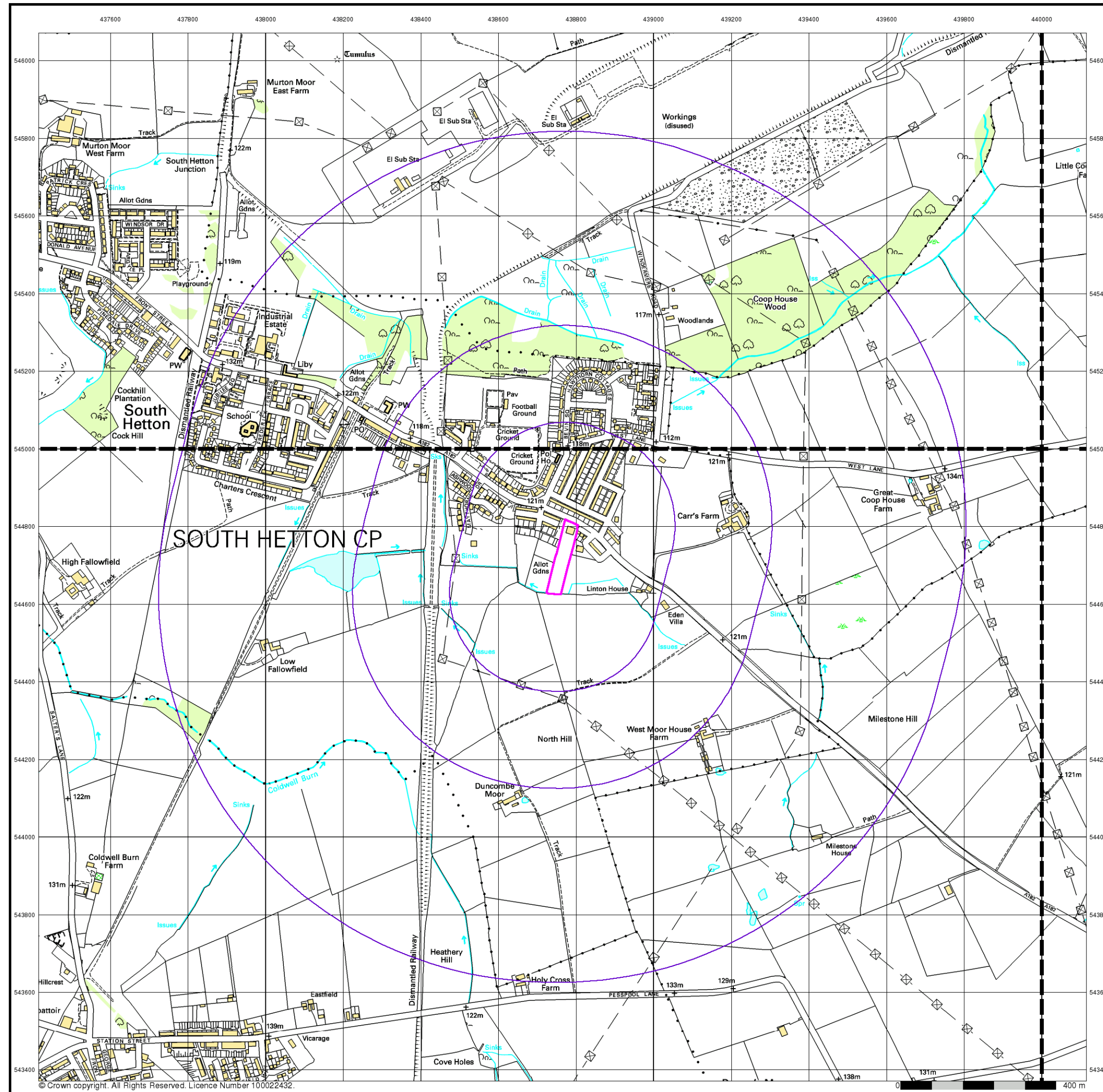
**Site Details**

The Old Vicarage, South Hetton, DURHAM, DH6 2SW



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





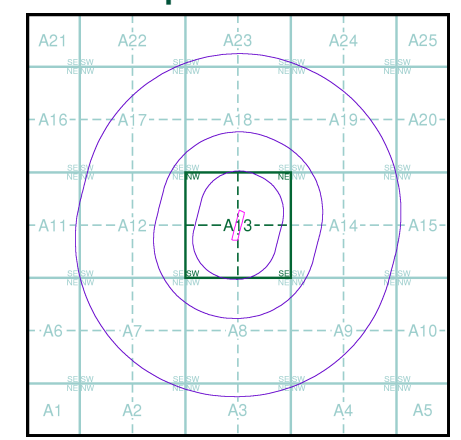
**10k Raster Mapping**  
**Published 2000**  
**Source map scale - 1:10,000**

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

**Map Name(s) and Date(s)**

NZ34NE 2000 1:10,000	NZ44NW 2000 1:10,000
NZ34SE 2000 1:10,000	NZ44SW 2000 1:10,000

**Historical Map - Slice A**

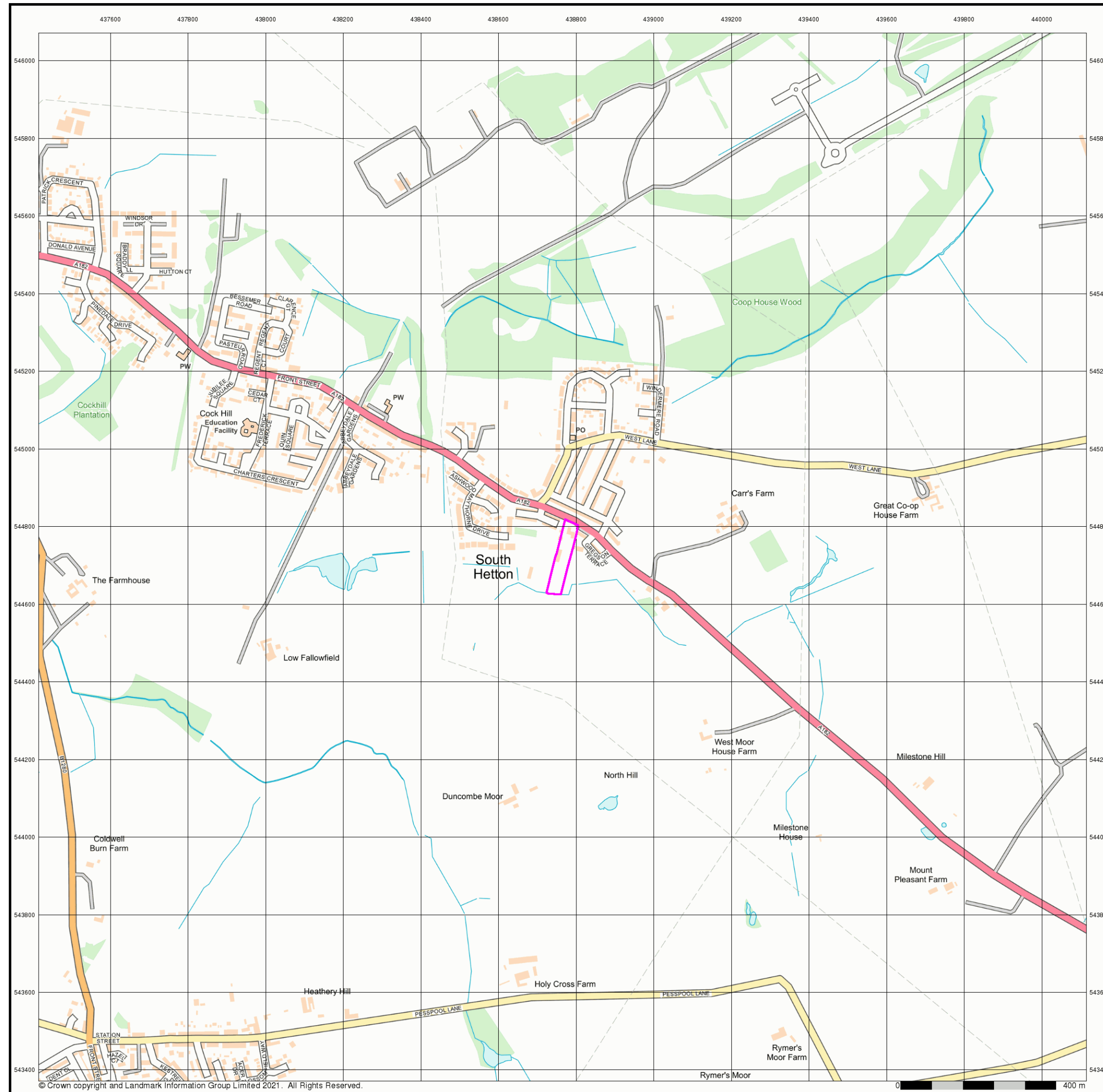


**Order Details**  
 Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 1000

**Site Details**  
 The Old Vicarage, South Hetton, DURHAM, DH6 2SW

**Landmark**  
 INFORMATION GROUP

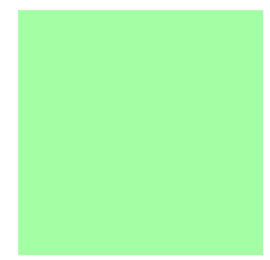
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



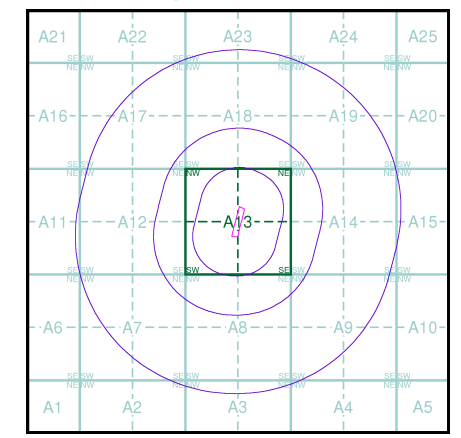
**Street View**  
**Published 2021**  
**Source map scale - 1:10,000**

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

**Map Name(s) and Date(s)**



**Street View Map - Slice A**



**Order Details**  
 Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 1000

**Site Details**  
 The Old Vicarage, South Hetton, DURHAM, DH6 2SW

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# Historical Mapping Legends

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

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

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

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

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

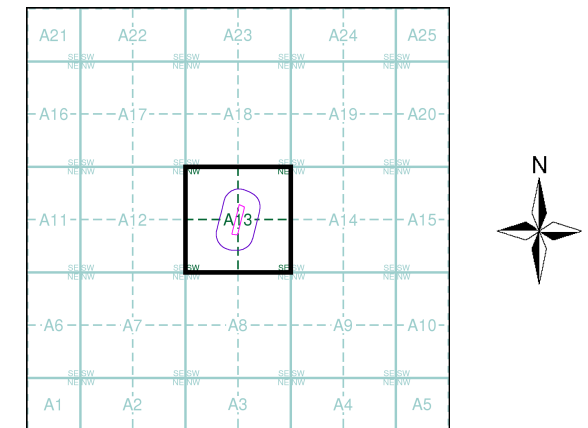
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:2,500	1857	2
Durham	1:2,500	1895	3
Durham	1:2,500	1896 - 1897	4
Durham	1:2,500	1919 - 1920	5
Durham	1:2,500	1939	6
Ordnance Survey Plan	1:2,500	1958 - 1959	7
Ordnance Survey Plan	1:2,500	1969 - 1970	8
Additional SIMs	1:2,500	1982 - 1988	9
Additional SIMs	1:2,500	1989	10
Ordnance Survey Plan	1:2,500	1991	11
Large-Scale National Grid Data	1:2,500	1993	12
Large-Scale National Grid Data	1:2,500	1993 - 1994	13

## Historical Map - Segment A13



## Order Details

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 100

## Site Details

The Old Vicarage, South Hetton, DURHAM, DH6 2SW



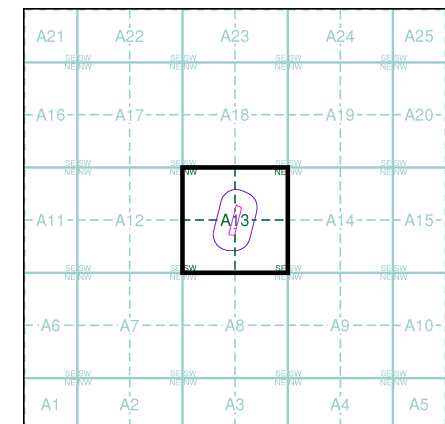
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk

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)**

021_10 1857 1:2,500
021_14 1857 1:2,500

**Historical Map - Segment A13**

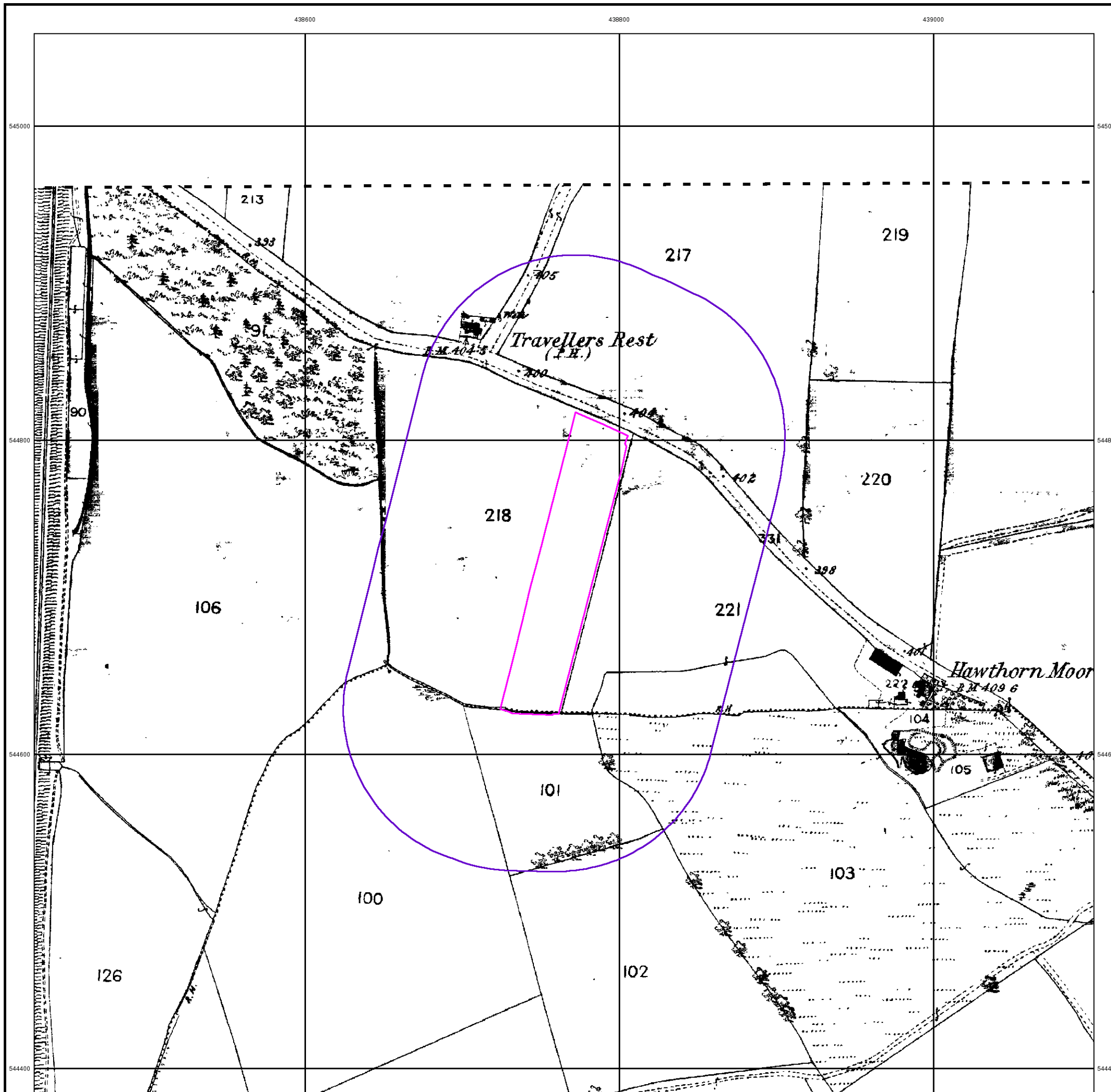


**Order Details**

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 100

**Site Details**

The Old Vicarage, South Hetton, DURHAM, DH6 2SW



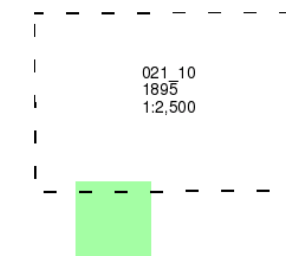
**Durham**

**Published 1895**

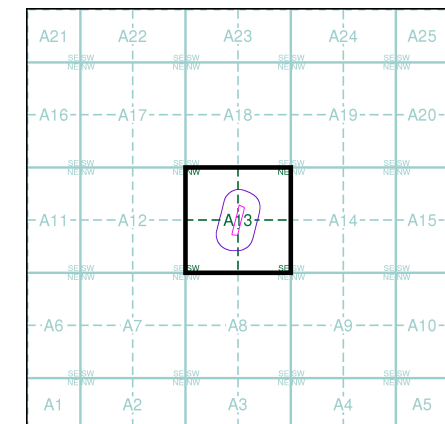
**Source map scale - 1:2,500**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**

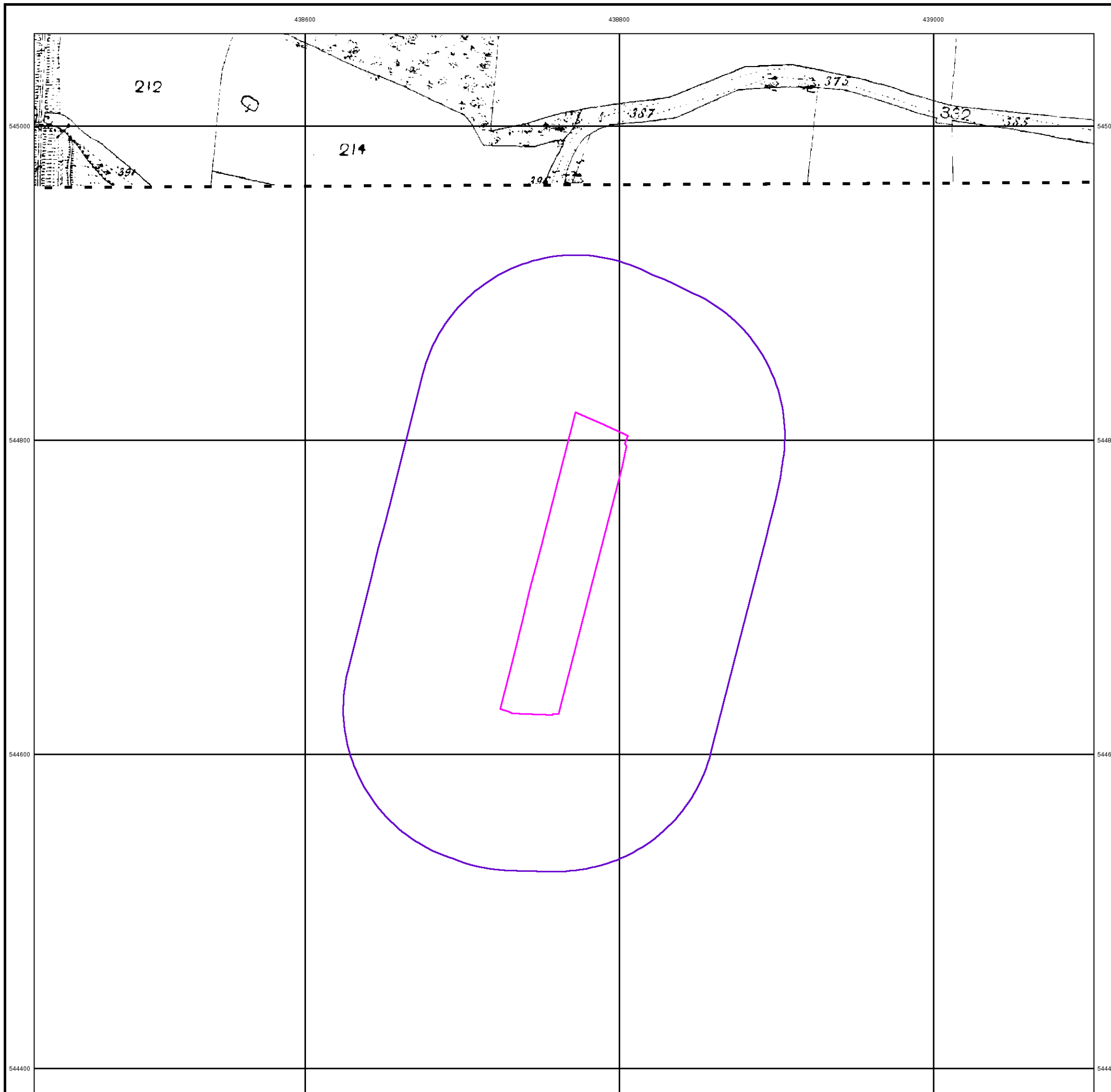


**Order Details**

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 100

**Site Details**

The Old Vicarage, South Hetton, DURHAM, DH6 2SW



## Durham

Published 1896 - 1897

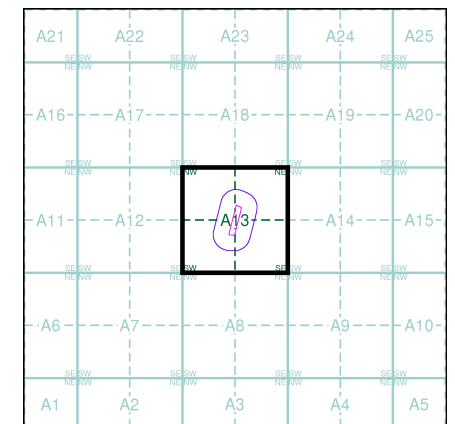
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)

021_10 1896 1:2,500
021_14 1897 1:2,500

### Historical Map - Segment A13

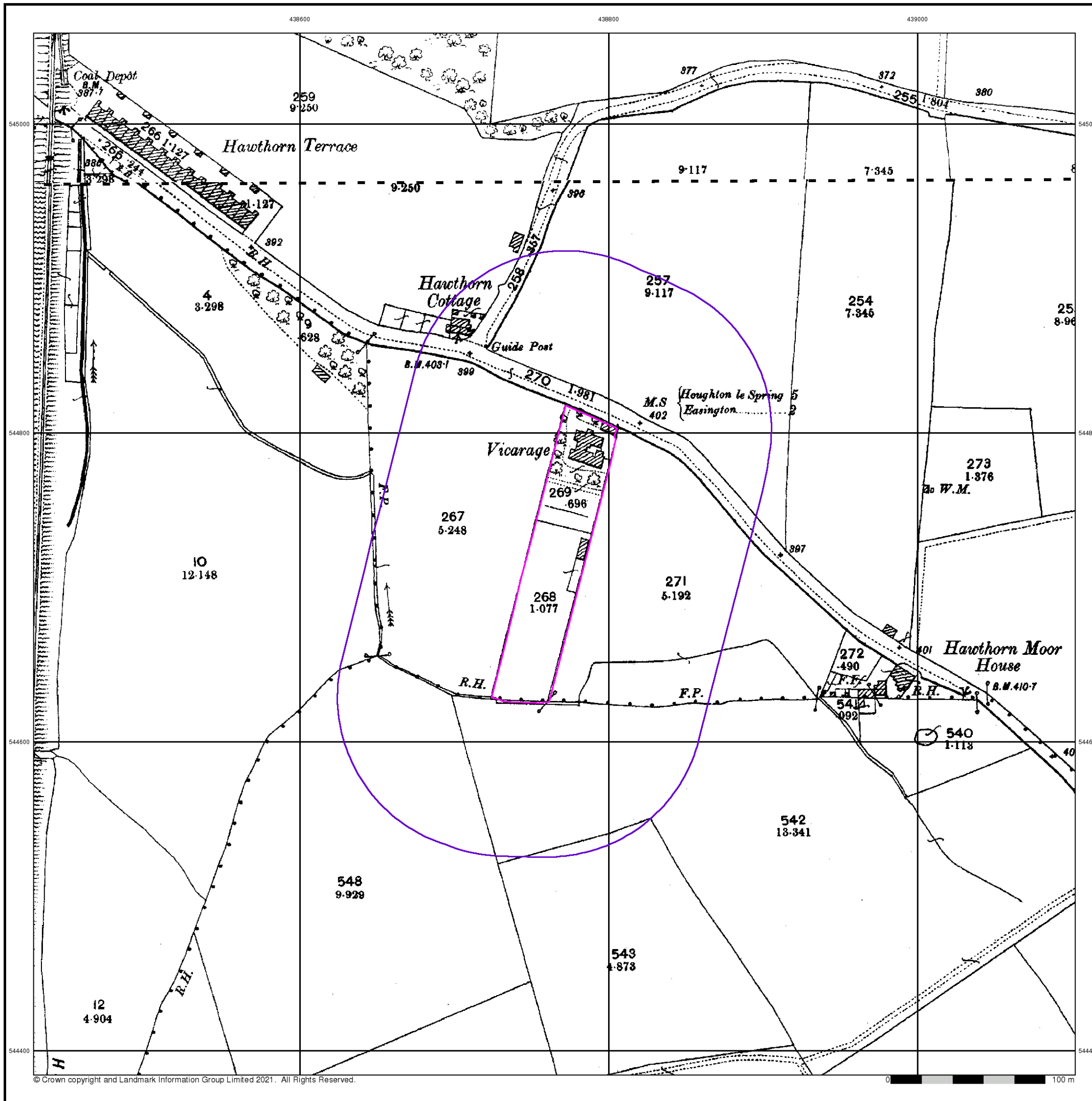


### Order Details

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 100

### Site Details

The Old Vicarage, South Hetton, DURHAM, DH6 2SW





**Durham**

**Published 1919 - 1920**

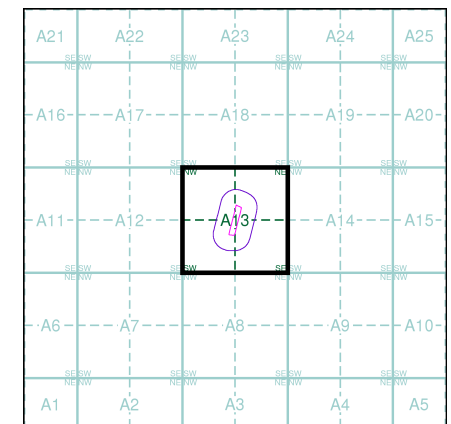
**Source map scale - 1:2,500**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

**Map Name(s) and Date(s)**

021_10 1920 1:2,500
021_14 1919 1:2,500

**Historical Map - Segment A13**

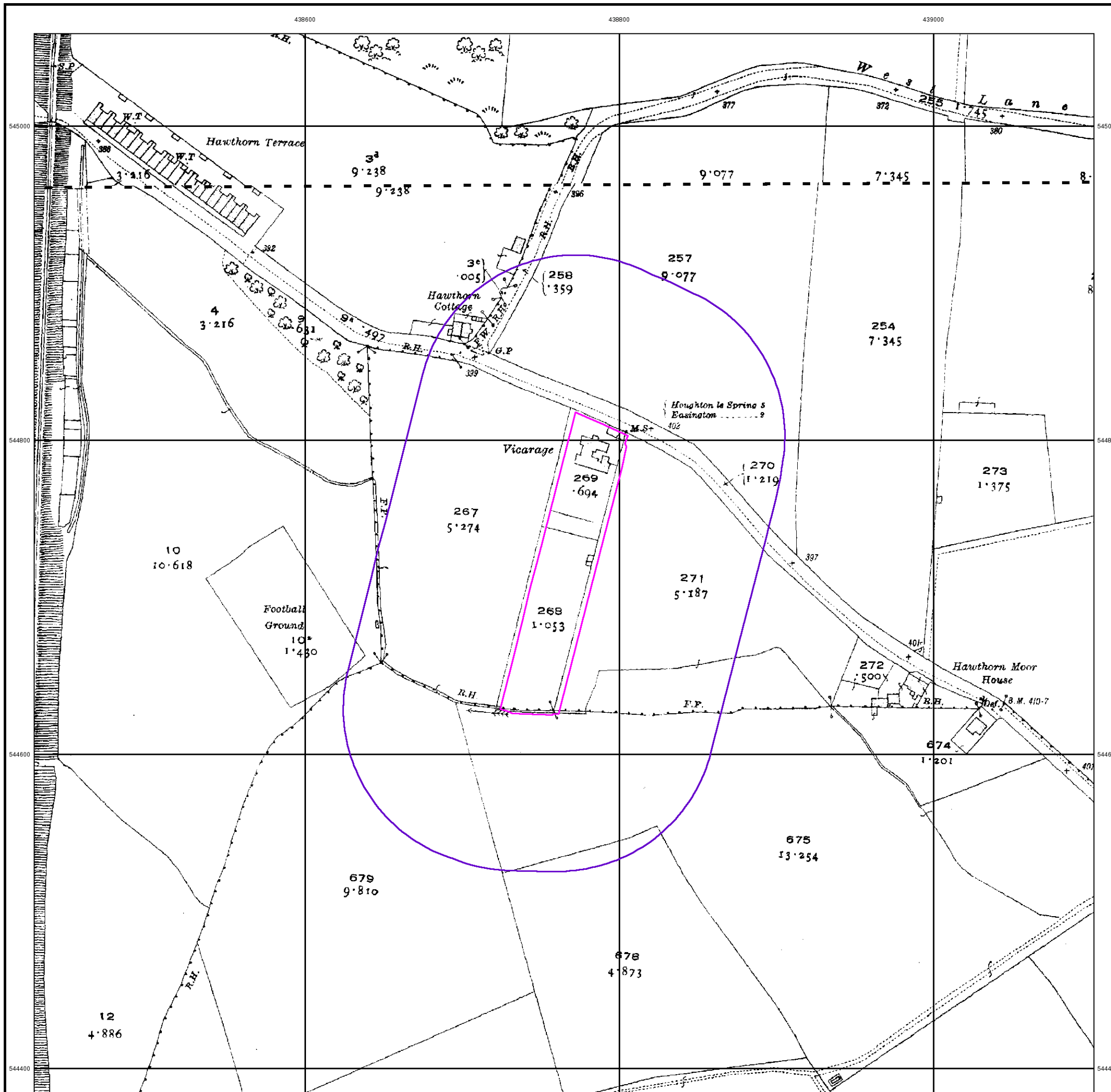


**Order Details**

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 100

**Site Details**

The Old Vicarage, South Hetton, DURHAM, DH6 2SW





## Durham

Published 1939

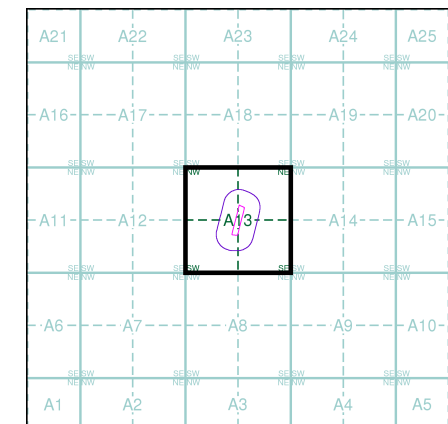
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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)

021_10
1939
1:2,500
021_14
1939
1:2,500

### Historical Map - Segment A13

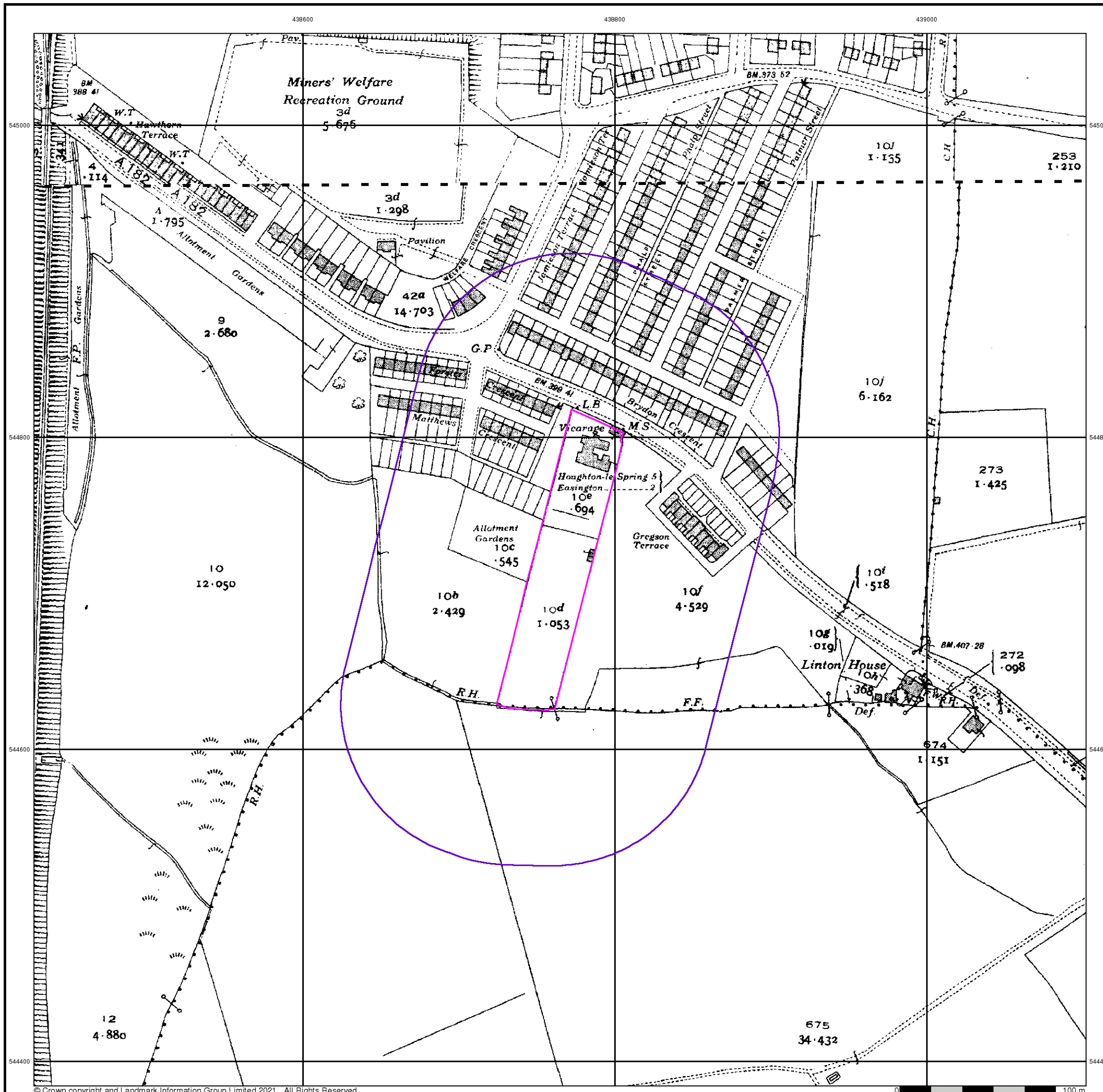


### Order Details

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 100

### Site Details

The Old Vicarage, South Hetton, DURHAM, DH6 2SW





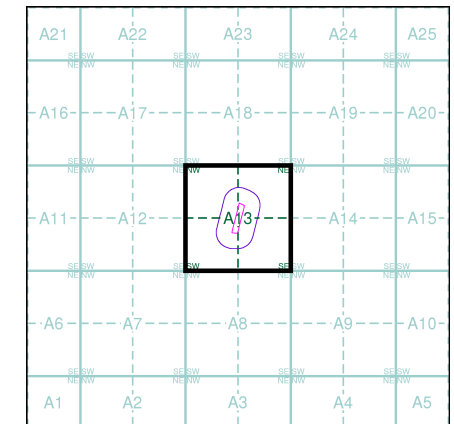
**Ordnance Survey Plan**  
**Published 1958 - 1959**  
**Source map scale - 1:2,500**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

**Map Name(s) and Date(s)**

NZ3845 1958 1:2,500	NZ3945 1959 1:2,500
NZ3844 1958 1:2,500	NZ3944 1959 1:2,500

**Historical Map - Segment A13**



**Order Details**

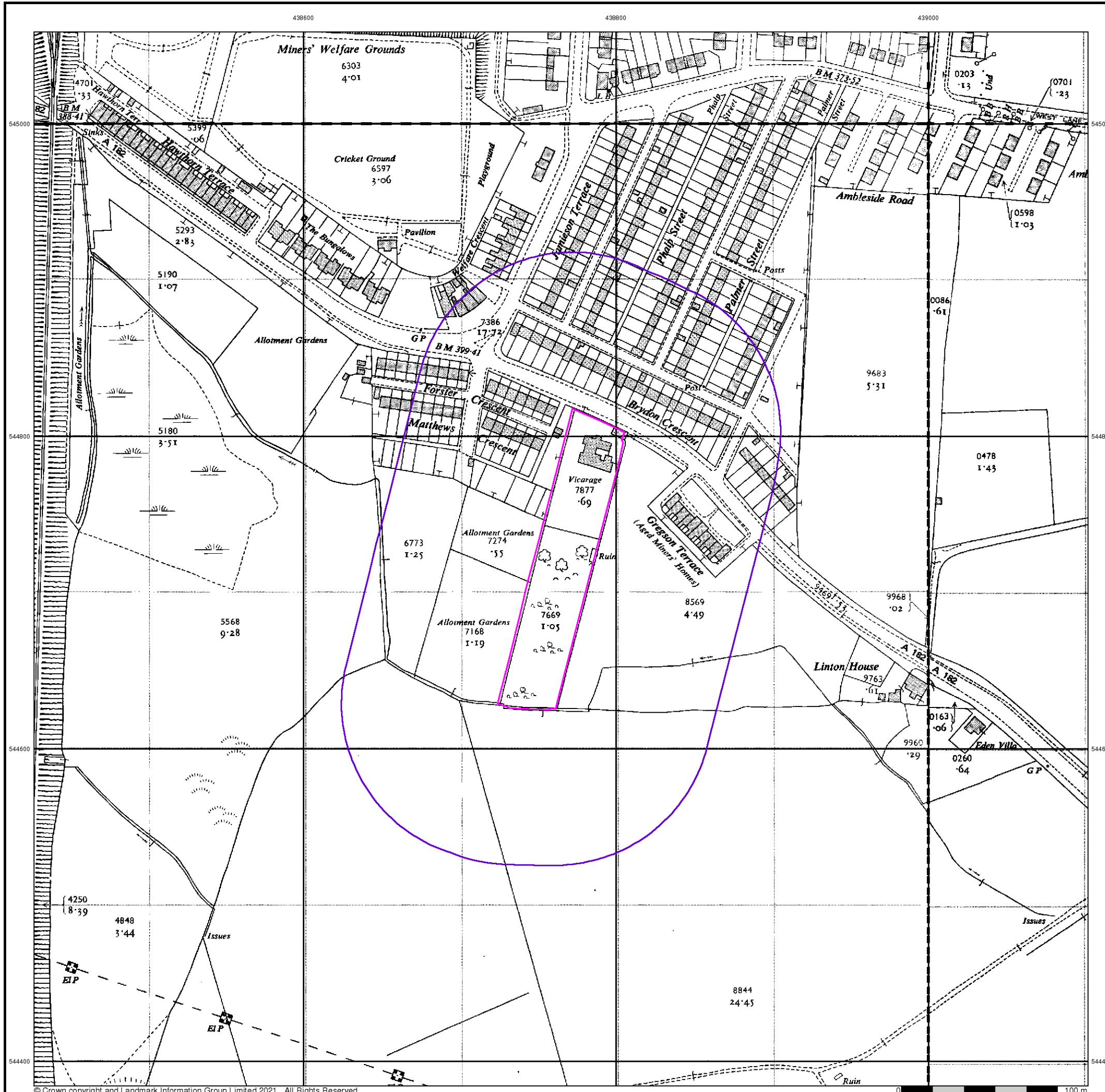
Order Number: 285810320\_1\_1  
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 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 100

**Site Details**

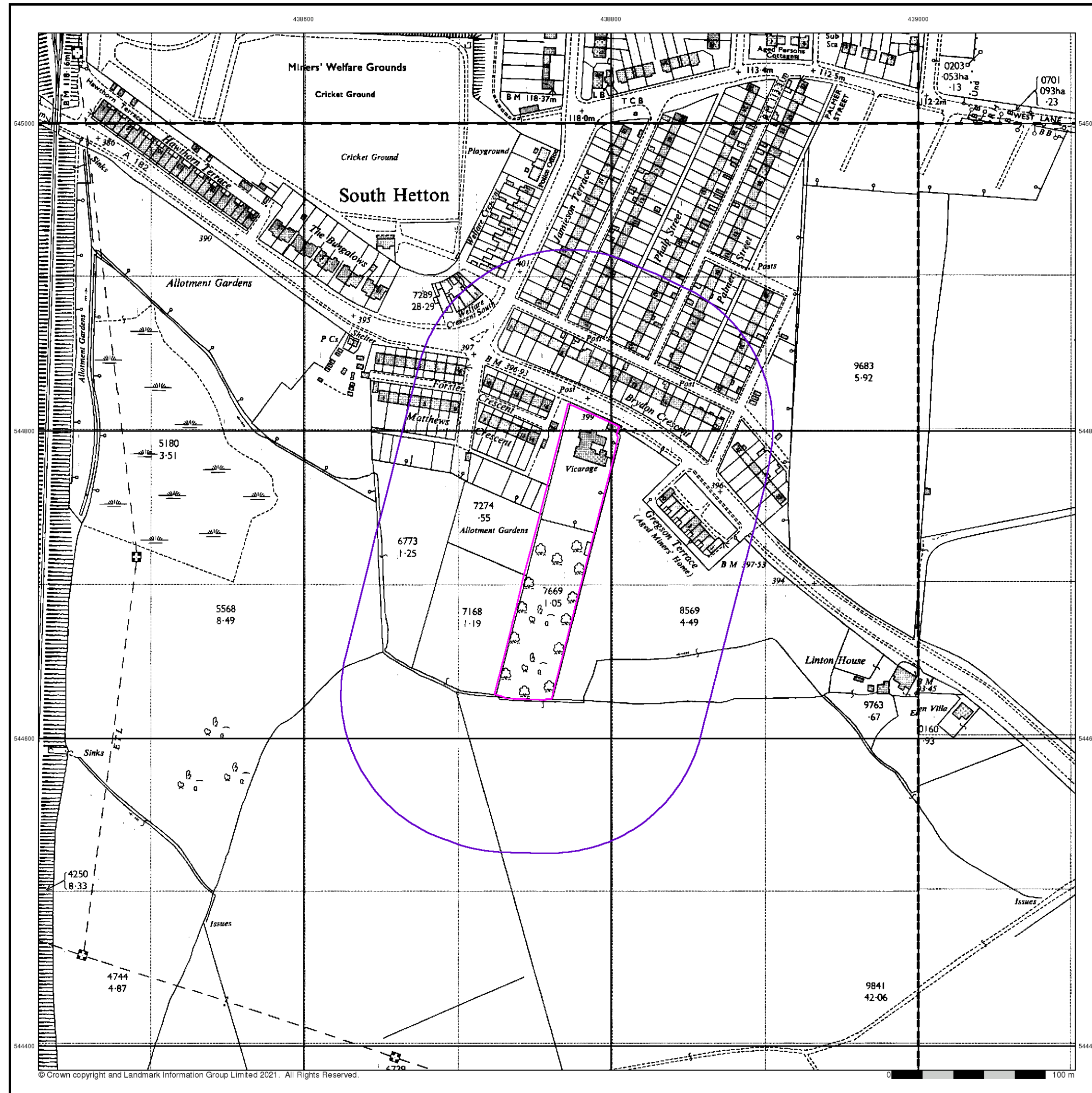
The Old Vicarage, South Hetton, DURHAM, DH6 2SW



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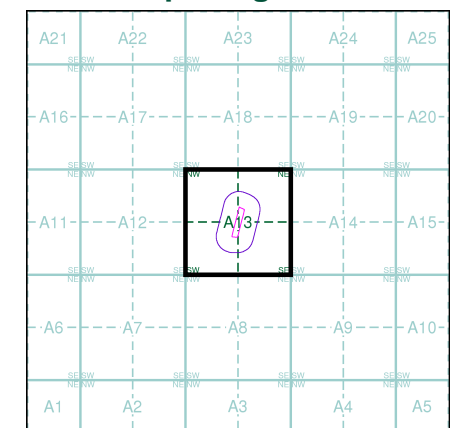
**Ordnance Survey Plan**  
**Published 1969 - 1970**  
**Source map scale - 1:2,500**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

**Map Name(s) and Date(s)**

NZ3845 1970 1:2,500	NZ3945 1970 1:2,500
NZ3844 1969 1:2,500	NZ3944 1969 1:2,500

**Historical Map - Segment A13**



**Order Details**

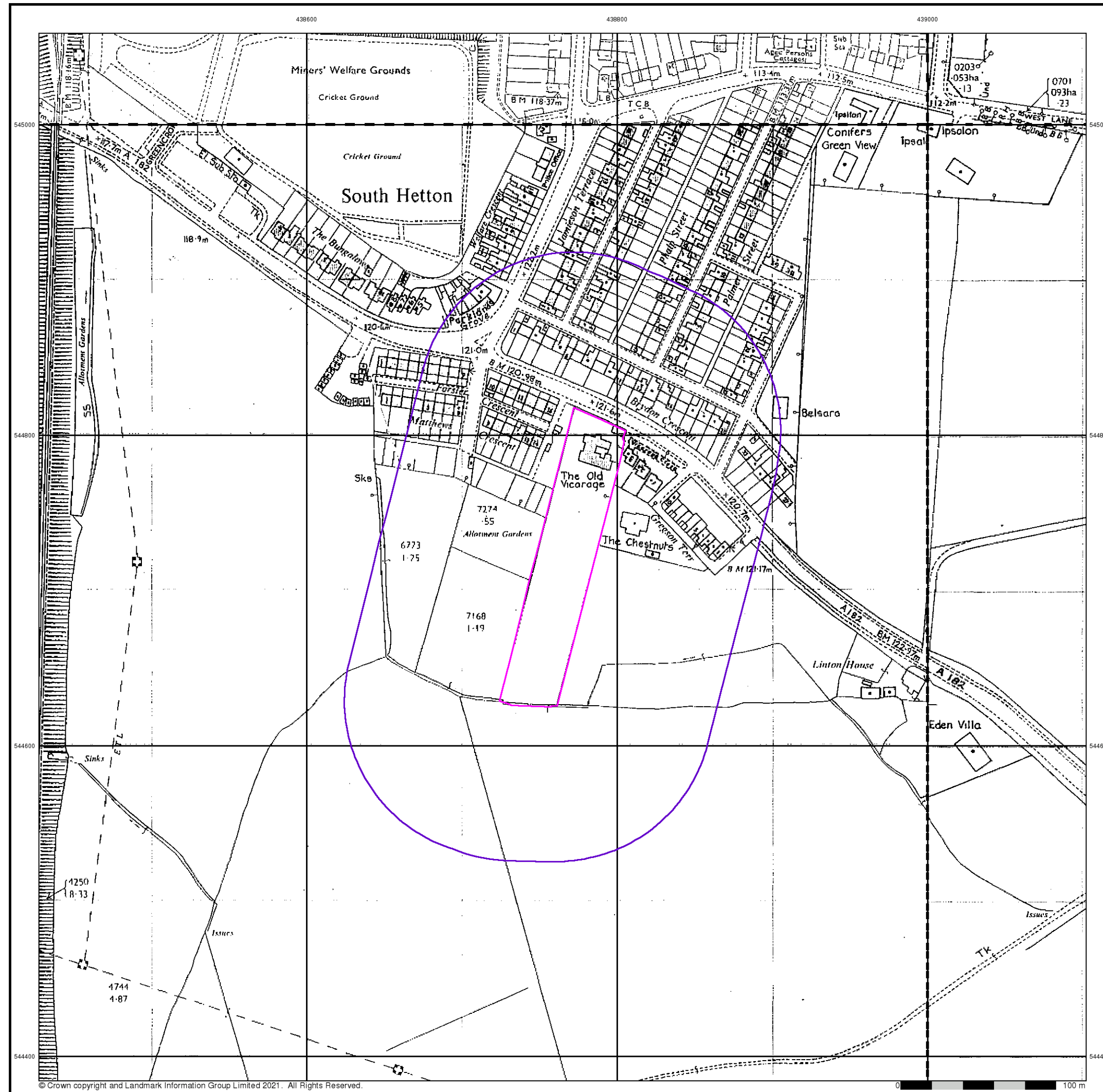
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 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
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 Site Area (Ha): 0.71  
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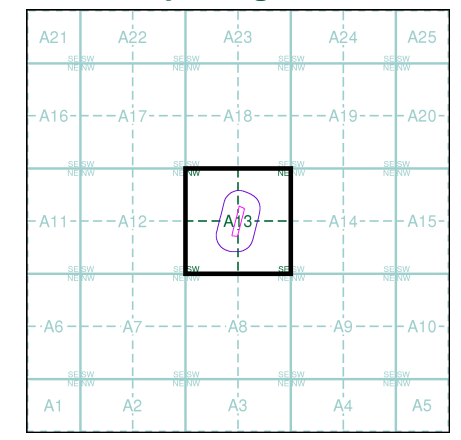
**Additional SIMs**  
**Published 1982 - 1988**  
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**

NZ3845 1982 1:2,500	NZ3945 1986 1:2,500
NZ3844 1988 1:2,500	NZ3944 1988 1:2,500

**Historical Map - Segment A13**



**Order Details**

Order Number: 285810320\_1\_1  
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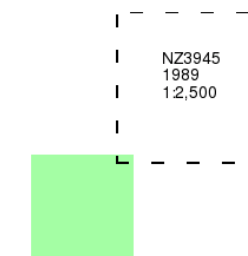
### Additional SIMs

Published 1989

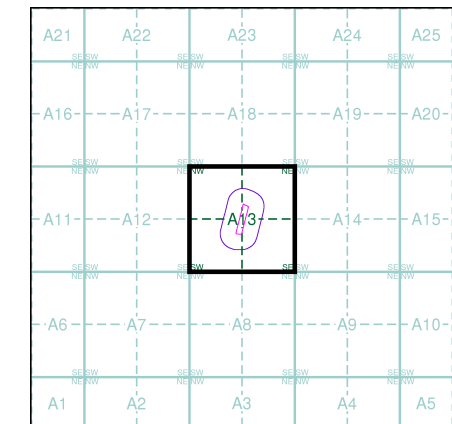
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13

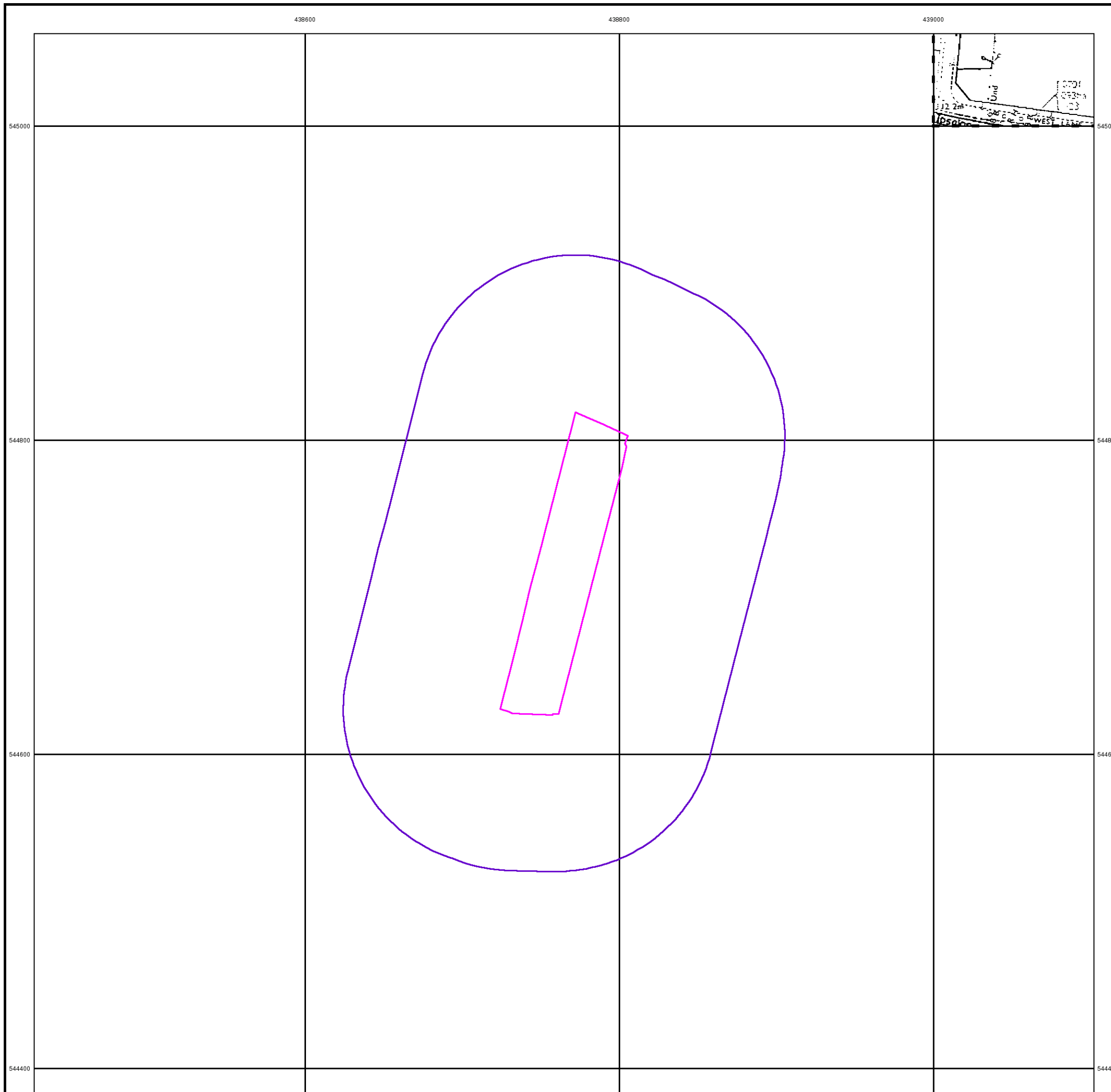


### Order Details

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 100

### Site Details

The Old Vicarage, South Hetton, DURHAM, DH6 2SW







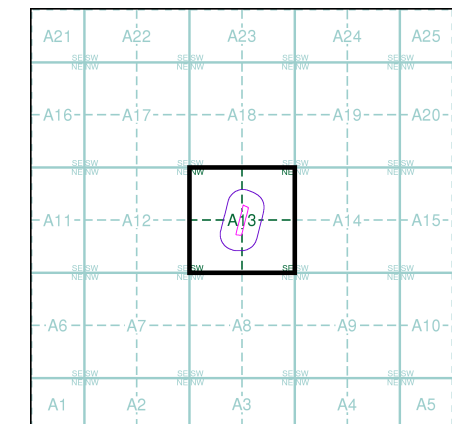
**Ordnance Survey Plan**  
**Published 1991**  
**Source map scale - 1:2,500**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

**Map Name(s) and Date(s)**

NZ3845 1991 1:2,500	NZ3945 1991 1:2,500
---------------------------	---------------------------

**Historical Map - Segment A13**



**Order Details**

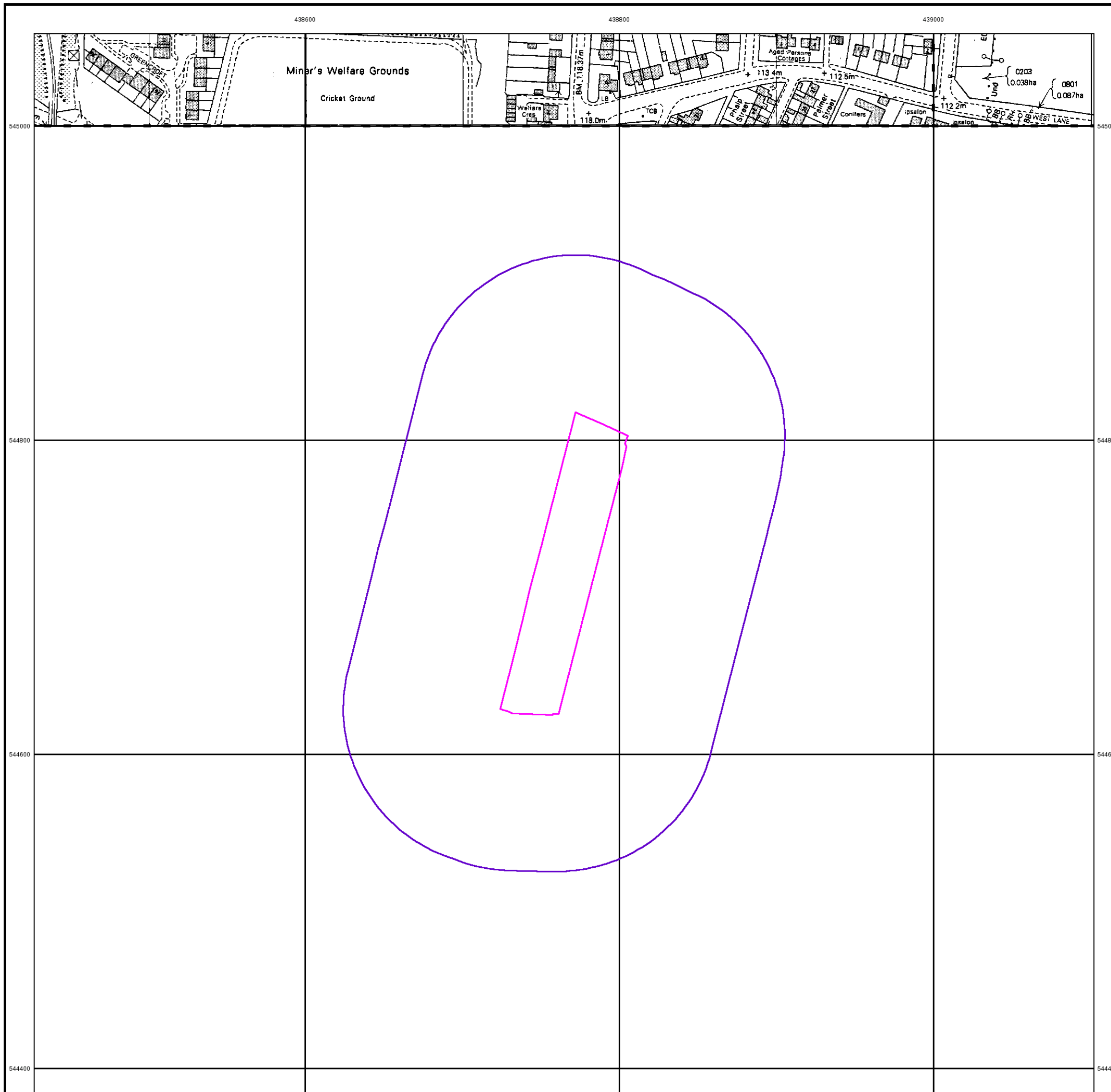
Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 100

**Site Details**

The Old Vicarage, South Hetton, DURHAM, DH6 2SW



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







## Large-Scale National Grid Data

Published 1993 - 1994

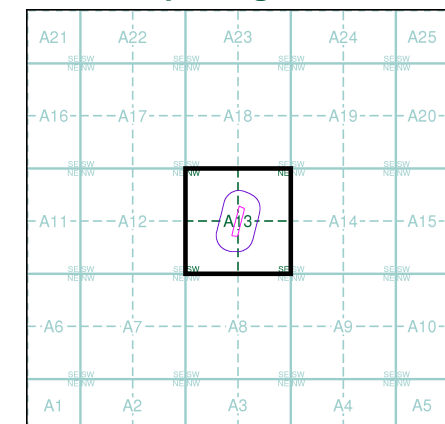
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)

NZ3845	NZ3945
1993	1994
1:2,500	1:2,500

### Historical Map - Segment A13



### Order Details

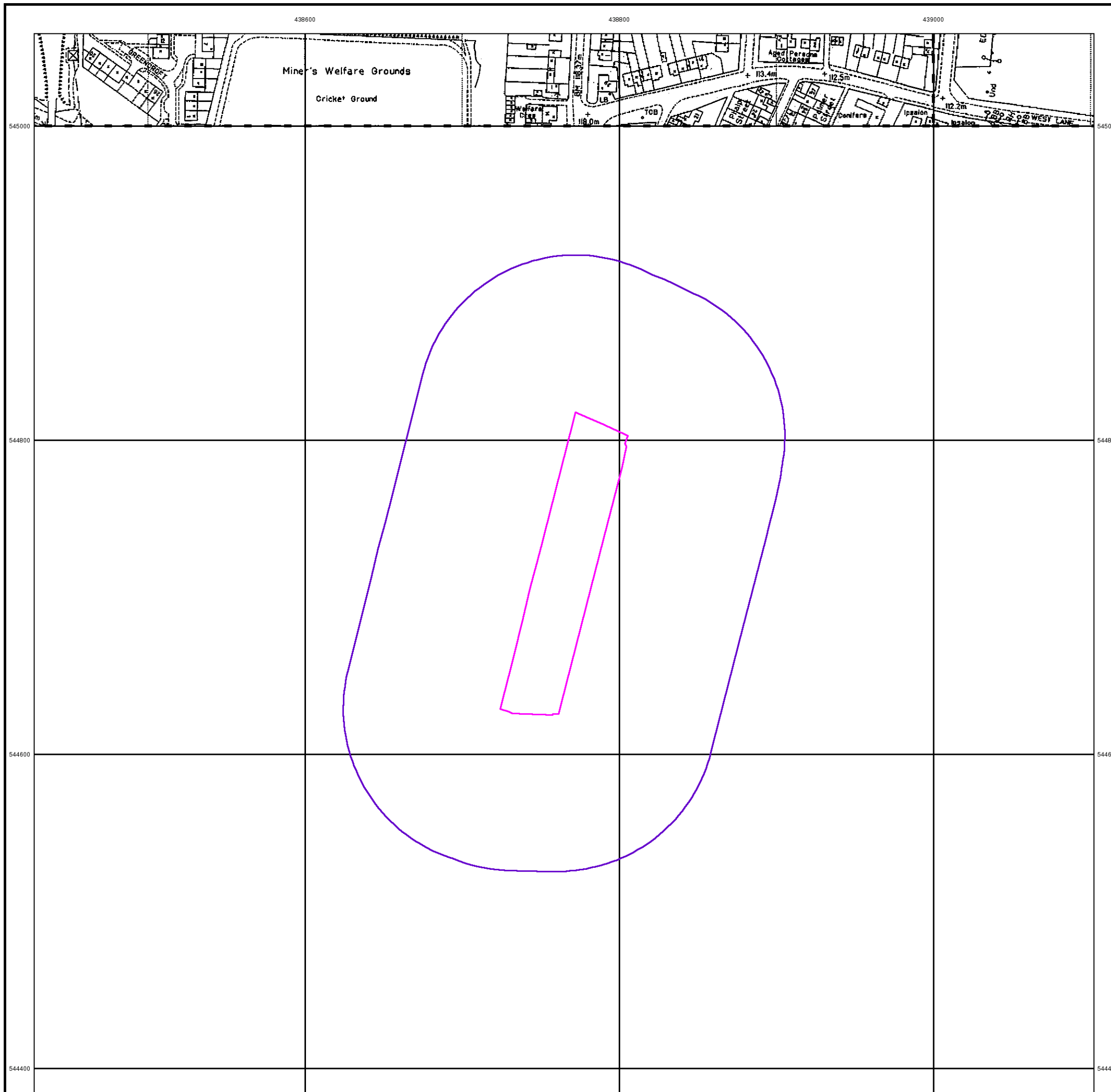
Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 100

### Site Details

The Old Vicarage, South Hetton, DURHAM, DH6 2SW



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



## APPENDIX 4 – ENVIROCHECK REPORT

# Envirocheck<sup>®</sup> Report:

## Datasheet

### Order Details:

**Order Number:**

285810320\_1\_1

**Customer Reference:**

1458

**National Grid Reference:**

438760, 544720

**Slice:**

A

**Site Area (Ha):**

0.71

**Search Buffer (m):**

1000

### Site Details:

The Old Vicarage, South Hetton

DURHAM

DH6 2SW

### Client Details:

Mrs A Nanson

DBS Environmental Ltd

12 Pickersgill Court

Upper Floor

Quay West Business Village

Sunderland

Tyne and Wear

SR5 2 AQ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	23
Hazardous Substances	-
Geological	24
Industrial Land Use	26
Sensitive Land Use	28
Data Currency	29
Data Suppliers	34
Useful Contacts	35

#### Introduction

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

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#### Report Version v53.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2			12	17
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 9			1	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 9	Yes			
Pollution Incidents to Controlled Waters	pg 9			2	2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 10			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 10				1
Water Abstractions	pg 10				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 10	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 11	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Source Protection Zones	pg 11	1			1
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
OS Water Network Lines	pg 11	1	7	21	67

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 23		1		1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 23	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 23			1	2
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 24	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 24				1
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 24	Yes	n/a	n/a	n/a
Mining Instability	pg 24	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25	Yes	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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 26	1		3	10
Fuel Station Entries	pg 27			1	
Gas Pipelines					
Underground Electrical Cables	pg 27				1
<b>Sensitive Land Use</b>					
Ancient Woodland					
Areas of Adopted Green Belt					
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 28	2			1
Ramsar Sites					
Sites of Special Scientific Interest	pg 28			1	
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	0	1	438764 544750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	0	1	438800 544750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	7	1	438800 544719
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	17	1	438750 544800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	106	1	438900 544850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	175	1	438950 544900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	183	1	438764 545000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	190	1	438950 544600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	199	1	438850 545000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	245	1	439000 544950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	259	1	438500 544500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	287	1	438950 545050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	287	1	438500 544450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	299	1	439050 544550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	315	1	439050 545000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	369	1	438400 544850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	392	1	438450 544350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	398	1	439150 545000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	425	1	439150 545050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	425	1	439050 545150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	439	1	438700 545250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	456	1	439150 545100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	463	1	438450 545150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	467	1	439050 545200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	490	1	439150 545150
1	<b>Discharge Consents</b> Operator: King; Mr & Mrs Property Type: Not Given Location: Eden Villa, SOUTH HETTON Authority: Environment Agency, North East Region Catchment Area: Durham Coastal Streams Reference: 255/0561 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 21st January 1988 Revocation Date: Not Supplied Discharge Type: Septic tank Discharge: Freshwater Stream/River Environment: Receiving Water: Coop House Beck; Tributary Of <b>Status: Not Supplied</b> Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	258	2	439000 544530
1	<b>Discharge Consents</b> Operator: Mrs L Davidson Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Eden Villa, Easington Road, South Hetton, Co. Durham, Dh6 2sy Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 255/0561 Permit Version: 1 Effective Date: 21st January 1988 Issued Date: 21st January 1988 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Coop House Beck, Tributary Of <b>Status: Transferred from COPA 1974</b> Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	258	2	439000 544530
1	<b>Discharge Consents</b> Operator: Unknown, Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Eden Villa, South Hetton, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 255/0562 Permit Version: 1 Effective Date: 21st January 1988 Issued Date: 21st January 1988 Revocation Date: 16th January 1995 Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Coop House Beck, Tributary Of <b>Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 &amp; 6)</b> Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	267	2	439010 544530
2	<b>Discharge Consents</b> Operator: Uk Coal Mining Limited Property Type: MINING OF COAL + LIGNITE Location: Tuthill Railway Land Reclamation, South Hetton, County Durham Authority: Environment Agency, North East Region Catchment Area: Durham Coastal Streams Reference: 255/1161 Permit Version: 1 Effective Date: 18th May 1998 Issued Date: 18th May 1998 Revocation Date: 1st November 1999 Discharge Type: Trade Discharge - Mineral Workings Discharge: Freshwater Stream/River Environment: Receiving Water: Coop House Beck (Murton Beck) <b>Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 &amp; 6)</b> Positional Accuracy: Located by supplier to within 10m	A13NW (W)	296	2	438450 544750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Haswell Sso No 3, Easington District, Haswell  Authority: Environment Agency, North East Region  Catchment Area: Durham Coastal Streams  Reference: 255/E/0643  Permit Version: 1  Effective Date: 26th February 1965  Issued Date: 26th February 1965  Revocation Date: 10th April 1992  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coldwell Burn/Murton Dene  <b>Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12NE (NW)	381	2	438400 544900
4	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Ltd  Property Type: Not Given  Location: SOUTH HETTON  Authority: Environment Agency, North East Region  Catchment Area: Not Given  Reference: 255/1055  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: 7th July 1992  Revocation Date: Not Supplied  Discharge Type: Sewage Effluent Discharge-Storm Effluent  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coop House Dene Burn  <b>Status: Not Supplied</b>  Positional Accuracy: Located by supplier to within 100m</p>	A18SE (NE)	391	2	439040 545115
4	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Windermere Road Sso, South Hetton  Authority: Environment Agency, North East Region  Catchment Area: Durham Coastal Streams  Reference: 255/1055  Permit Version: 1  Effective Date: 7th July 1992  Issued Date: 7th July 1992  Revocation Date: 16th August 2000  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coop House Dene Burn  <b>Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 &amp; 6)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A18SE (NE)	395	2	439040 545120
5	<p><b>Discharge Consents</b></p> <p>Operator: Unknown,  Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)  Location: Carrs Farm, South Hetton  Authority: Environment Agency, North East Region  Catchment Area: Wear (Lower)  Reference: 245/E/0067  Permit Version: 1  Effective Date: 23rd July 1954  Issued Date: 23rd July 1954  Revocation Date: 12th September 1990  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Murton Beck, Tributary Of  <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14NW (E)	395	2	439200 544800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p><b>Discharge Consents</b></p> <p>Operator: Messrs Anderson And Cowton  Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)  Location: Carr'S Farm, South Hetton  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 245/E/0069  Permit Version: 1  Effective Date: 23rd July 1954  Issued Date: 23rd July 1954  Revocation Date: 26th August 1993  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Murton Beck, Tributary  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12NE (NW)	415	2	438400 545000
7	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Ltd  Property Type: Not Given  Location: Easington District, HASWELL  Authority: Environment Agency, North East Region  Catchment Area: Not Given  Reference: 255/E/0643/5868  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: 26th February 1965  Revocation Date: Not Supplied  Discharge Type: Sewage Effluent Discharge-Storm Effluent  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Hurton Dene  <b>Status: Not Supplied</b>  Positional Accuracy: Located by supplier to within 100m</p>	A18SE (NE)	491	2	439100 545195
7	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Haswell Sso No 3, Easington District, Haswell  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 255/E/0643  Permit Version: 2  Effective Date: 11th April 1992  Issued Date: 26th February 1965  Revocation Date: 16th August 2000  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coldwell Burn/Murton Dene  <b>Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961</b>  Positional Accuracy: Located by supplier to within 100m</p>	A18SE (NE)	495	2	439100 545200
7	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Haswell Sso No 3, Easington District, Haswell  Authority: Environment Agency, North East Region  Catchment Area: Durham Coastal Streams  Reference: 255/E/0643  Permit Version: 1  Effective Date: 26th February 1965  Issued Date: 26th February 1965  Revocation Date: 10th April 1992  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coldwell Burn/Murton Dene  <b>Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961</b>  Positional Accuracy: Located by supplier to within 100m</p>	A18SE (NE)	495	2	439100 545200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p><b>Discharge Consents</b></p> <p>Operator: Anderson And Cowton Messrs  Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE)  Location: Carrs Farm, South Hetton  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 255/1165  Permit Version: 1  Effective Date: 13th April 1999  Issued Date: 13th April 1999  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Unnamed Trib. Of Murton Beck  <b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	507	2	439270 544570
8	<p><b>Discharge Consents</b></p> <p>Operator: Anderson And Cowton Messrs  Property Type: Not Given  Location: Two Dwellings At Carrs Farm, DURHAM  Authority: Environment Agency, North East Region  Catchment Area: Durham Coastal Streams  Reference: 255/1113  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: 26th August 1993  Revocation Date: Not Supplied  Discharge Type: Sewage Treatment Works Final Effluent - Septic Tank +/- Filt  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Murton Beck Trib (North Sea)  <b>Status:</b> <b>Not Supplied</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	524	2	439290 544580
8	<p><b>Discharge Consents</b></p> <p>Operator: Messrs Anderson And Cowton  Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)  Location: Carr'S Farm Sampling Point, South Hetton, Co. Durham, Dh6 2ry  Authority: Environment Agency, North East Region  Catchment Area: Not Given  Reference: 255/1113  Permit Version: 1  Effective Date: 26th August 1993  Issued Date: 26th August 1993  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Murton Beck Trib (North Sea)  <b>Status:</b> <b>New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	524	2	439290 544580
8	<p><b>Discharge Consents</b></p> <p>Operator: Anderson; Messrs A; &amp; Son  Property Type: Not Given  Location: Carrs Farmhouse, SOUTH HETTON  Authority: Environment Agency, North East Region  Catchment Area: Durham Coastal Streams  Reference: 255/E/0452  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: 24th January 1964  Revocation Date: Not Supplied  Discharge Type: Sewage Treatment Works Final Effluent - Septic Tank +/- Filt  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Murton Beck; Tributary Of  <b>Status:</b> <b>Not Supplied</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	529	2	439300 544600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p><b>Discharge Consents</b></p> <p>Operator: Unknown,  Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY  Location: Carrs Farmhouse, South Hetton  Authority: Environment Agency, North East Region  Catchment Area: Not Given  Reference: 255/E/0452  Permit Version: 1  Effective Date: 24th January 1964  Issued Date: 24th January 1964  Revocation Date: 29th June 1998  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Murton Beck, Tributary Of  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	529	2	439300 544600
9	<p><b>Discharge Consents</b></p> <p>Operator: RJB MINING (UK) LTD (17)  Property Type: Coal Extraction, Surface  Location: TUTHILL MINERAL RAILWAY, RECLAMATION SCHEME, SOUTH HETTON, CO.DURHAM  Authority: Environment Agency, North East Region  Catchment Area: Wear (Lower)  Reference: 245/1198  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: 1st November 1999  Revocation Date: Not Supplied  Discharge Type: Trade Effluent Discharge-Minewater  Discharge: Not Supplied  Environment:  Receiving Water: COLDWELL BURNRevoked  <b>Status: Not Supplied</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	621	2	438400 544100
9	<p><b>Discharge Consents</b></p> <p>Operator: RJB MINING (UK) LTD (17)  Property Type: Coal Extraction, Surface  Location: TUTHILL MINERAL RAILWAY, RECLAMATION SCHEME, SOUTH HETTON, CO.DURHAM  Authority: Environment Agency, North East Region  Catchment Area: Durham Coastal Streams  Reference: 255/1161  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: 1st November 1999  Revocation Date: Not Supplied  Discharge Type: Trade Effluent Discharge-Minewater  Discharge: Not Supplied  Environment:  Receiving Water: COOP HOUSE WOOD BURN (MURTON BECK)Revoked  <b>Status: Not Supplied</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	621	2	438400 544100
9	<p><b>Discharge Consents</b></p> <p>Operator: Uk Coal Mining Limited  Property Type: MINING OF COAL + LIGNITE  Location: Tuthill Land Reclamation, South Hetton, Co Durham  Authority: Environment Agency, North East Region  Catchment Area: Wear (Lower)  Reference: 245/1198  Permit Version: 1  Effective Date: 15th March 1999  Issued Date: 15th March 1999  Revocation Date: 1st November 1999  Discharge Type: Trade Discharge - Mineral Workings  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coldwell Burn  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	621	2	438400 544100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p><b>Discharge Consents</b></p> <p>Operator: The Coal Authority,  Property Type: MINING OF COAL + LIGNITE  Location: Hawthorn Mine, South Hetton  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 255/1033  Permit Version: 1  Effective Date: 19th November 1991  Issued Date: 19th November 1991  Revocation Date: 8th March 1994  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coop House Beck  <b>Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 &amp; 6)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	665	2	438720 545480
11	<p><b>Discharge Consents</b></p> <p>Operator: Low Fallowfield Farm Kennels &amp; Cattery Limited  Property Type: KENNEL/DRY CLEANING/HAIRDRESSER/OTHER PERSONAL SERVICES  Location: Low Fallowfield Kennels Cattery Stp Low Fallowfield Kennels Cattery, Low Fallowfield Farm, South Hetton, County Durham, Dh6 2ta  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: Eprfp3928xy  Permit Version: 1  Effective Date: 22nd December 2010  Issued Date: 22nd December 2010  Revocation Date: 5th May 2015  Discharge Type: Sewage And Trade Combined - Unspecified  Discharge: Land/Soakaway  Environment:  Receiving Water: Groundwater Via Infiltration System  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	698	2	438035 544520
12	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Ltd  Property Type: Undefined Or Other  Location: Coop House Wood Cso, SOUTH HETTON  Authority: Environment Agency, North East Region  Catchment Area: Not Given  Reference: 255/1135  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: Not Supplied  Revocation Date: Not Supplied  Discharge Type: Unknown  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coop House Dene  <b>Status: Not Supplied</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	701	2	439340 545255
12	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Coop House Wood Cso, The Woodlands, South Hetton, County Durham, Dh6 2rx  Authority: Environment Agency, North East Region  Catchment Area: Not Given  Reference: 255/1135  Permit Version: 1  Effective Date: 11th January 1996  Issued Date: 11th January 1996  Revocation Date: 14th February 2019  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coop House Dene Burn  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	704	2	439340 545260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Ltd  Property Type: Undefined Or Other  Location: Coop House Wood Cso, SOUTH HETTON  Authority: Environment Agency, North East Region  Catchment Area: Not Given  Reference: 255/1135  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: Not Supplied  Revocation Date: Not Supplied  Discharge Type: Storm sewage overflow discharge  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coop House Dene  <b>Status: Not Supplied</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	705	2	439345 545255
12	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Coop House Wood Cso, The Woodlands, South Hetton, County Durham, Dh6 2rx  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 255/1135  Permit Version: 2  Effective Date: 15th February 2019  Issued Date: 15th February 2019  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coop House Dene Burn  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	718	2	439352 545268
13	<p><b>Discharge Consents</b></p> <p>Operator: Hellens (Contracts) Limited  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Former Hawthorn Reclamation Site, Murton, Co. Durham  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 255/1197  Permit Version: 1  Effective Date: 18th February 2002  Issued Date: 18th February 2002  Revocation Date: 11th June 2003  Discharge Type: Trade Discharges - Site Drainage (Contaminated Surface Water, Not Waste Sites)  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Unnamed Trib. Of Dalton Beck  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	714	2	438810 545530
14	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY)  Location: Coldwell Burn Sso, Haswell  Authority: Environment Agency, North East Region  Catchment Area: Wear (Lower)  Reference: 245/0264  Permit Version: 1  Effective Date: 28th August 1986  Issued Date: 28th August 1986  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Coldwell Burn  <b>Status: Transferred from COPA 1974</b>  Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	858	2	438020 544140



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<b>Discharge Consents</b> Operator: Hellens (Contracts) Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Former Hawthorn Reclamation Site, Murton, Co. Durham Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 255/1197 Permit Version: 1 Effective Date: 18th February 2002 Issued Date: 18th February 2002 Revocation Date: 11th June 2003 Discharge Type: Trade Discharges - Site Drainage (Contaminated Surface Water, Not Waste Sites) Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib. Of Dalton Beck <b>Status: Authorisation revoked</b> Positional Accuracy: Located by supplier to within 10m	A18NW (N)	932	2	438540 545720
16	<b>Prosecutions Relating to Controlled Waters</b> Location: Coop House Dene Burn, South Hetton Prosecution Text: Causing sewerage to enter a watercourse Prosecution Act: Wwra91 S85(1) Hearing Date: 28th March 2008 Verdict: Guilty Fine: 3000 Cost: 1960 Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	511	2	439144 545185
17	<b>Local Authority Pollution Prevention and Controls</b> Name: Burn & Hewitt Ltd Location: Rear Fallowfield Terrace, SOUTH HETTON, County Durham, DH6 2SQ Authority: Durham County Council (Unitary), Environmental Health Department Permit Reference: Epa/Mc/001 Dated: 7th July 1999 Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes <b>Status: Site Closed</b> Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	419	3	438379 544963
	<b>Nearest Surface Water Feature</b>	A13SW (SW)	0	-	438726 544629
18	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: MURTON Authority: Environment Agency, North East Region Pollutant: Not Given Note: Dalton Burn And Murton Burn Incident Date: 2nd September 1993 Incident Reference: 245/003461 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Sewerage - Storm Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	356	2	439000 545100
19	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: SOUTH HETTON Authority: Environment Agency, North East Region Pollutant: Not Given Note: Coop House Beck Incident Date: 25th January 1994 Incident Reference: 255/004090 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Sewerage - Storm Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	443	2	439000 545200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Storm Overflow Location: Coop House Beck At, SOUTH HETTON Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 19th January 1995 Incident Reference: NW950288 Catchment Area: Coastal Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	635	2	439200 545300
21	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Storm Overflow Location: SOUTH HETTON Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Pollution Found; Biology Affected; No Fish Killed Incident Date: 30th July 1996 Incident Reference: NW960246 Catchment Area: Coastal Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	708	2	439345 545260
	<b>River Quality</b> Name: Murton_Beck GQA Grade: River Quality D Reach: Source_Dalton_Bec Estimated Distance (km): 4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A18SE (NE)	328	2	438959 545092
22	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - North East Region, North East Area Incident Date: 11th April 2007 Incident Reference: 484154 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	A19SW (NE)	705	2	439341 545260
	<b>Water Abstractions</b> Operator: A Ogden & Sons Limited Licence Number: 01/25/5/049 Permit Version: Not Supplied Location: Dalton Flats, DALTON Authority: Environment Agency, North East Region Abstraction: Sand And Gravel Washing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 814 Yearly Rate (m3): 200000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SE (N)	1036	2	439100 545800
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: Superficial Thickness: 3-10m Superficial Recharge: Low	A13NE (NE)	0	4	438782 544735

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability Map</b> Combined Principle Bedrock Aquifer - Low Vulnerability Classification: Low Combined Vulnerability: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial >90% Patchiness: Superficial 3-10m Thickness: Superficial Low Recharge:	A13SW (SW)	0	4	438764 544719
	<b>Groundwater Vulnerability - Soluble Rock Risk</b> Classification: Significant Risk - Problems Unlikely	A13SW (SW)	0	4	438764 544719
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Principal Aquifer	A13SW (SW)	0	4	438764 544719
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A13SW (SW)	0	4	438764 544719
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (NE)	0	4	438782 544735
23	<b>Source Protection Zones</b> Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SW (SW)	0	2	438764 544719
24	<b>Source Protection Zones</b> Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A14SE (E)	797	2	439563 544545
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
25	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 177.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13SE (S)	0	5	438790 544650
26	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13SE (SE)	34	5	438802 544651

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 355.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13SE (SE)	38	5	438807 544651
28	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 179.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13SW (W)	77	5	438648 544693
29	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13SW (SW)	77	5	438652 544655
30	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13SW (SW)	225	5	438542 544498
31	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 154.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13SW (SW)	226	5	438520 544526
32	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 73.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13SW (W)	228	5	438509 544703
33	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 78.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13NW (W)	289	5	438461 544764
34	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 61.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13NW (W)	289	5	438459 544755
35	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12SE (W)	301	5	438425 544599



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 149.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13NW (W)	305	5	438461 544833
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12SE (W)	309	5	438417 544600
38	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 136.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12SE (W)	318	5	438406 544705
39	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12NE (W)	336	5	438406 544737
40	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 106.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13SE (SE)	350	5	439084 544493
41	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 247.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A13NW (NW)	355	5	438458 544982
42	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12NE (W)	364	5	438376 544735
43	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 95.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12NE (W)	369	5	438371 544734
44	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 137.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SE (NE)	397	5	439047 545117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 167.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (SE)	442	5	439189 544514
46	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 66.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12SE (W)	459	5	438275 544721
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12NE (W)	459	5	438276 544725
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 138.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SE (N)	472	5	438854 545283
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 100.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SE (N)	472	5	438854 545283
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 43.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SE (N)	472	5	438874 545279
51	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SE (N)	473	5	438921 545267
52	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 243.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SE (N)	473	5	438957 545254
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 113.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SE (N)	474	5	438897 545274

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 42.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12SE (W)	501	5	438226 544675
55	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 7.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12SE (W)	501	5	438226 544675
56	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12SE (W)	508	5	438219 544678
57	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 149.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12SE (W)	514	5	438213 544681
58	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A19SW (NE)	515	5	439150 545184
59	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 311.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SW (N)	516	5	438726 545331
60	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 52.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SW (N)	516	5	438726 545331
61	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 80.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SW (NW)	517	5	438460 545229
62	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 86.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SW (NW)	517	5	438460 545229

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 409.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A19SW (NE)	525	5	439166 545183
64	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 130.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SE (N)	558	5	438814 545374
65	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	562	5	439333 544596
66	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 127.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A17SE (NW)	562	5	438375 545215
67	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	566	5	439338 544598
68	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 2	A18SW (N)	566	5	438736 545382
69	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SW (N)	566	5	438736 545382
70	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	568	5	439340 544599
71	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	568	5	439340 544599



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	571	5	439343 544600
73	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	574	5	439347 544602
74	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 87.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18SE (N)	574	5	438875 545382
75	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	577	5	439353 544611
76	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 143.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	577	5	439355 544620
77	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 2	A14SW (E)	579	5	439346 544574
78	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 232.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	579	5	439353 544604
79	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 76.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 2	A18SW (N)	580	5	438726 545395
80	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 2	A14SW (E)	581	5	439342 544553

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	582	5	439350 544580
82	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 2	A14SW (E)	583	5	439345 544560
83	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 2	A14SW (E)	584	5	439345 544553
84	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 2	A14SW (E)	590	5	439351 544553
85	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 439.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldwell Burn Catchment Name: Wear Primacy: 1	A7NE (SW)	590	5	438308 544211
86	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 101.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	604	5	439365 544550
87	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 148.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldwell Burn Catchment Name: Wear Primacy: 1	A7NE (SW)	608	5	438357 544145
88	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 47.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14NW (E)	614	5	439418 544775
89	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 139.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A17SE (NW)	635	5	438297 545239

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 29.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14NE (E)	647	5	439449 544743
91	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 189.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12NE (W)	652	5	438105 544840
92	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 91.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A17SE (NW)	652	5	438265 545227
93	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 2	A18NW (N)	655	5	438729 545471
94	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12SW (W)	656	5	438071 544686
95	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 210.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18NW (N)	666	5	438760 545484
96	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 133.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A17SE (NW)	668	5	438346 545332
97	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18NW (N)	668	5	438749 545485
98	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 60.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A12SW (W)	670	5	438057 544682

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 25.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A18NW (N)	671	5	438733 545487
100	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	672	5	439413 544462
101	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 156.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A14SW (E)	688	5	439428 544457
102	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Coldwell Burn Catchment Name: Wear Primacy: 1	A7SE (SW)	700	5	438411 544004
103	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 211.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldwell Burn Catchment Name: Wear Primacy: 1	A7SE (SW)	700	5	438411 544004
104	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldwell Burn Catchment Name: Wear Primacy: 1	A7SE (SW)	702	5	438406 544004
105	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 92.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A9NW (SE)	741	5	439427 544302
106	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 402.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A9NW (SE)	773	5	439419 544210
107	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 224.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A17SE (NW)	782	5	438219 545370



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 88.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A17SE (NW)	782	5	438219 545370
109	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 28.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A8SW (S)	801	5	438579 543840
110	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A8SW (S)	806	5	438550 543841
111	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 45.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A8SW (S)	808	5	438545 543840
112	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 101.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A17SE (NW)	824	5	438096 545290
113	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 367.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldwell Burn Catchment Name: Wear Primacy: 1	A8SW (S)	836	5	438503 543822
114	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 21.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A17SE (NW)	858	5	438129 545385
115	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A17NE (NW)	865	5	438137 545404
116	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 557.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Coldwell Burn Catchment Name: Wear Primacy: 1	A7NW (SW)	878	5	437995 544140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 39.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A7NW (SW)	878	5	437995 544140
118	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 84.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A19NW (NE)	889	5	439431 545433
119	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 404.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A7NW (SW)	907	5	437986 544102
120	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 261.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wear Primacy: 1	A19SE (NE)	912	5	439503 545390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	<b>Historical Landfill Sites</b> Licence Holder: Not Supplied Location: Easington, County Durham Name: Area Y South of Hetton Miner Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD05972 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1300/0219 BGS Ref: Not Supplied Other Ref: ES 007, P1/8/5/7	A13NW (N)	189	2	438728 545001
122	<b>Historical Landfill Sites</b> Licence Holder: Not Supplied Location: Easington, County Durham Name: Area X South of Hetton Centre Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD05971 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1300/0228 BGS Ref: Not Supplied Other Ref: ES 016, ES 029, P1/8/5/18	A12NW (W)	821	2	437973 545005
	<b>Local Authority Landfill Coverage</b> Name: Easington District Council - Has supplied landfill data		0	6	438764 544719
	<b>Local Authority Landfill Coverage</b> Name: Durham County Council - Has supplied landfill data		0	7	438764 544719
123	<b>Local Authority Recorded Landfill Sites</b> Location: Football Fields In (Miners) Welfare Grounds, South Hetton Reference: Not Supplied Authority: Easington District Council (now part of Durham County Council), Environmental Health Department <b>Last Reported Status:</b> Closed Types of Waste: Not Known Date of Closure: Not Supplied Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Applicable	A18SW (N)	354	6	438650 545150
124	<b>Local Authority Recorded Landfill Sites</b> Location: Old Quarries North And East Of Low Fallowfield Farm, South Hetton Reference: Not Supplied Authority: Easington District Council (now part of Durham County Council), Environmental Health Department <b>Last Reported Status:</b> Unknown Types of Waste: Not Known Date of Closure: Not Supplied Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Applicable	A12SE (W)	525	6	438200 544650
125	<b>Local Authority Recorded Landfill Sites</b> Location: School Playing Field And The Area North And West Of Charters Crescent, South Hetton Reference: Not Supplied Authority: Easington District Council (now part of Durham County Council), Environmental Health Department <b>Last Reported Status:</b> Closed Types of Waste: Not Known Date of Closure: Not Known Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Applicable	A17SW (NW)	877	6	437933 545071

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Zechstein Group	A13SW (SW)	0	1	438764 544719
126	<b>BGS Recorded Mineral Sites</b> Site Name: South Hetton Colliery Location: South Hetton, Durham, Co. Durham Source: British Geological Survey, National Geoscience Information Service Reference: 104118 Type: Underground Status: <b>Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	788	1	438126 545268
	<b>Coal Mining Affected Areas</b> 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.	A13SW (SW)	0	8	438764 544719
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (SW)	0	-	438764 544719
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	438764 544719
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	183	1	438764 545000
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	438782 544735
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	438764 544719
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	183	1	438764 545000
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	194	1	438565 544519
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	438764 544719
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	183	1	438764 545000
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	438764 544719
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	183	1	438764 545000
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	187	1	438961 544906
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	438764 544719
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	438782 544735



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	183	1	438764 545000
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	194	1	438565 544519
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	438764 544719
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	438782 544735
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	126	1	438931 544770
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	183	1	438764 545000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	194	1	438565 544519
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	438764 544719
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	438764 544719

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	<b>Contemporary Trade Directory Entries</b> Name: D S Transport Location: The Old Vicarage, South Hetton, Durham, DH6 2SW Classification: Road Haulage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (N)	0	-	438783 544790
128	<b>Contemporary Trade Directory Entries</b> Name: Shaun Murray Transport Location: 6, Grasmere Terrace, South Hetton, Durham, DH6 2RU Classification: Road Haulage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	294	-	438980 545039
129	<b>Contemporary Trade Directory Entries</b> Name: S B Burn Haulage Location: Fallowfield Yard, Fallowfield Terrace, South Hetton, Durham, County Durham, DH6 2SQ Classification: Road Haulage Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	490	-	438332 545033
129	<b>Contemporary Trade Directory Entries</b> Name: Burn Haulage Contracts Ltd Location: Fallowfield Yard, South Hetton, Durham, County Durham, DH6 2SQ Classification: Road Haulage Services <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	490	-	438332 545033
130	<b>Contemporary Trade Directory Entries</b> Name: P Howes Location: South Hetton, Durham, DH6 2RX Classification: Car Breakers & Dismantlers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SE (NE)	586	-	439044 545337
131	<b>Contemporary Trade Directory Entries</b> Name: N J S Services Location: 17, Charters Crescent, South Hetton, Durham, DH6 2TP Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	917	-	437873 545002
132	<b>Contemporary Trade Directory Entries</b> Name: Bells Tyre Centre Location: Unit 6, Front St Ind Est, Front St, South Hetton, Durham, County Durham, DH6 2UZ Classification: Tyre Dealers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	946	-	437944 545274
133	<b>Contemporary Trade Directory Entries</b> Name: Brenray Caravan Sales Location: Unit 20, Front Street Industrial Estate, Front Street, South Hetton, Durham, County Durham, DH6 2UZ Classification: Caravan Dealers & Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	947	-	437923 545237
133	<b>Contemporary Trade Directory Entries</b> Name: A & S Cabinets Location: Front Street Indust Est, Front St, South Hetton, Durham, DH6 2UZ Classification: Cabinet Makers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	967	-	437905 545246
133	<b>Contemporary Trade Directory Entries</b> Name: Advanced Garage & M O T Centre Location: Unit 6 Industrial Estate, South Hetton, Durham, County Durham, DH6 2UZ Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	972	-	437900 545246
133	<b>Contemporary Trade Directory Entries</b> Name: Superior Frames Location: Unit 11, Front Street Industrial Estate, Front Street, South Hetton, Durham, DH6 2UZ Classification: PVC-U Products - Manufacturers & Suppliers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	983	-	437889 545249

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	<b>Contemporary Trade Directory Entries</b> Name: Authentic Blind Co Location: Unit 4g, Front Street Industrial Estate, Front Street, South Hetton, Durham, DH6 2UZ Classification: Blinds, Awnings & Canopies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	982	-	437940 545340
134	<b>Contemporary Trade Directory Entries</b> Name: P & D Caterfab Location: South Hetton Industrial Estate, Front Street, South Hetton, Durham, County Durham, DH6 2UZ Classification: Catering Equipment <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	986	-	437932 545334
134	<b>Contemporary Trade Directory Entries</b> Name: The Lens Factory Location: Unit 4d, Front Street Industrial Estate, Front Street, South Hetton, Durham, DH6 2UZ Classification: Optical Goods - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	996	-	437925 545342
135	<b>Fuel Station Entries</b> Name: Former Garage Location: Front Street, South Hetton, Durham, County Durham, DH6 2 Brand: OBSOLETE Premises Type: Not Applicable <b>Status: Obsolete</b> Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	498	-	438342 545069
136	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10007429 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 23rd March 2018	A17NE (NW)	978	9	438305 545676

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	<b>Nitrate Vulnerable Zones</b> Name: Lumley Park Burn From Herrington Burn To R Wear Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SW (SW)	0	4	438764 544719
138	<b>Nitrate Vulnerable Zones</b> Name: Durham Description: Groundwater Source: Environment Agency, Head Office	A13SW (SW)	0	4	438764 544719
139	<b>Nitrate Vulnerable Zones</b> Name: Hawthorn Burn From Source To North Sea Nvz Description: Surface Water Source: Environment Agency, Head Office	A14NE (E)	903	4	439708 544822
140	<b>Sites of Special Scientific Interest</b> Name: Hesledon Moor West Multiple Areas: N Total Area (m2): 77413.04 Source: Natural England Reference: 1001387 Designation Details: Site Of Special Scientific Interest Designation Date: 1st April 1984 Date Type: Notified	A18SW (N)	392	10	438740 545208



Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Environment Agency - Head Office Durham City Council (now part of Durham County Council) - Environmental Health Department Easington District Council (now part of Durham County Council) - Environmental Health Department Durham County Council (Unitary) - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department	June 2020 November 2008 October 2008 October 2017 October 2017	Annually   Annually Annually
<b>Discharge Consents</b> Environment Agency - North East Region	July 2021	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - North East Region	March 2013	
<b>Integrated Pollution Controls</b> Environment Agency - North East Region	January 2009	
<b>Integrated Pollution Prevention And Control</b> Environment Agency - North East Region	July 2021	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Durham County Council (Unitary) - Environmental Health Department Durham City Council (now part of Durham County Council) - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department Easington District Council (now part of Durham County Council) - Environmental Health Department	April 2015 March 2009 May 2016 October 2008	Variable Not Applicable Variable Not Applicable
<b>Local Authority Pollution Prevention and Controls</b> Durham County Council (Unitary) - Environmental Health Department Durham City Council (now part of Durham County Council) - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department Easington District Council (now part of Durham County Council) - Environmental Health Department	April 2015 March 2009 May 2016 October 2008	Annually Not Applicable Annual Rolling Update Not Applicable
<b>Local Authority Pollution Prevention and Control Enforcements</b> Durham County Council (Unitary) - Environmental Health Department Durham City Council (now part of Durham County Council) - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department Easington District Council (now part of Durham County Council) - Environmental Health Department	April 2015 March 2009 May 2016 October 2008	Variable Not Applicable Variable Not Applicable
<b>Nearest Surface Water Feature</b> Ordnance Survey	March 2021	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - North East Region	December 1998	
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - North East Region	July 2015	
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - North East Region	March 2013	
<b>Registered Radioactive Substances</b> Environment Agency - North East Region	June 2016	Annually
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	April 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	April 2012	Annually

Agency & Hydrological	Version	Update Cycle
<b>Substantiated Pollution Incident Register</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	July 2021 July 2021	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - North East Region	July 2021	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North East Region	October 2017	Quarterly
<b>Groundwater Vulnerability Map</b> Environment Agency - Head Office	June 2018	As notified
<b>Groundwater Vulnerability - Soluble Rock Risk</b> Environment Agency - Head Office	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Superficial Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	May 2021	Bi-Annually
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2021	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	March 2021	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	March 2021	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	March 2021	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	March 2021	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	July 2021	Quarterly
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually





Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	May 2021	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - North East Region	January 2009	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	July 2021 July 2021	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	July 2021 July 2021	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Durham City Council (now part of Durham County Council) Durham County Council - Economic Development and Planning Department Easington District Council (now part of Durham County Council) - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Durham City Council (now part of Durham County Council) Durham County Council - Economic Development and Planning Department Easington District Council (now part of Durham County Council) - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018	
<b>Registered Landfill Sites</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	March 2006 March 2006	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	April 2018 April 2018	
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	June 2015 June 2015	
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	April 2018	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	August 2001	
<b>Planning Hazardous Substance Enforcements</b> Durham City Council (now part of Durham County Council) Durham County Council (Unitary) - Planning Department Sunderland City Metropolitan Borough Council - Planning Durham County Council - Economic Development and Planning Department Easington District Council (now part of Durham County Council)	December 2008 February 2016 February 2016 July 2007 July 2008	Not Applicable Variable Variable Annual Rolling Update Not Applicable
<b>Planning Hazardous Substance Consents</b> Durham City Council (now part of Durham County Council) Durham County Council (Unitary) - Planning Department Sunderland City Metropolitan Borough Council - Planning Durham County Council - Economic Development and Planning Department Easington District Council (now part of Durham County Council)	December 2008 February 2016 February 2016 July 2007 July 2008	Not Applicable Variable Variable Annual Rolling Update Not Applicable

<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	June 1998	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	July 2021	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	August 2021	Quarterly
<b>Gas Pipelines</b> National Grid	May 2021	Annually
<b>Underground Electrical Cables</b> National Grid	May 2021	Annually



<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Ancient Woodland</b> Natural England	February 2021	Bi-Annually
<b>Areas of Adopted Green Belt</b> Durham City Council (now part of Durham County Council) Durham County Council (Unitary) - Planning Department Easington District Council (now part of Durham County Council) Sunderland City Metropolitan Borough Council - Planning	October 2020 October 2020 October 2020 October 2020	Quarterly Quarterly Quarterly Quarterly
<b>Areas of Unadopted Green Belt</b> Durham City Council (now part of Durham County Council) Durham County Council (Unitary) - Planning Department Easington District Council (now part of Durham County Council) Sunderland City Metropolitan Borough Council - Planning	October 2020 October 2020 October 2020 October 2020	Quarterly Quarterly Quarterly Quarterly
<b>Areas of Outstanding Natural Beauty</b> Natural England	January 2021	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	February 2021	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2019	Bi-Annually
<b>National Nature Reserves</b> Natural England	January 2021	Bi-Annually
<b>National Parks</b> Natural England	February 2018	Bi-Annually
<b>Nitrate Sensitive Areas</b> Natural England	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
<b>Ramsar Sites</b> Natural England	August 2020	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	February 2021	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	July 2020	Bi-Annually
<b>Special Protection Areas</b> Natural England	February 2021	Bi-Annually

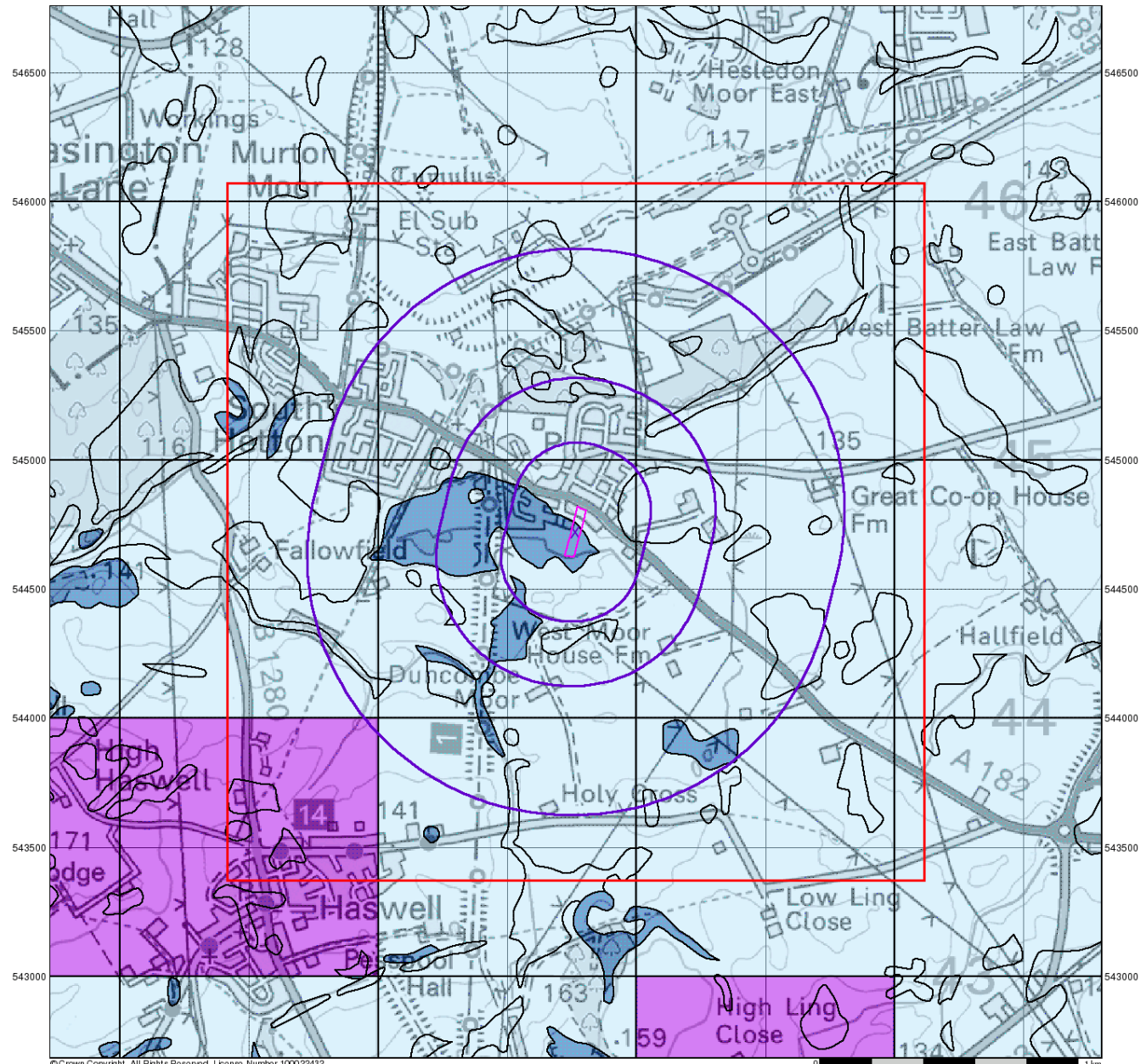
A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>Durham County Council (Unitary) - Environmental Health Department</b> Civic Centre, Medomsley Road, Consett, Durham, DH8 5JA	Telephone: 0300 123 7070 Website: www.durham.gov.uk
4	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	<b>Easington District Council (now part of Durham County Council) - Environmental Health Department</b> County Hall, Durham, County Durham, DH1 5UL	Telephone: 03000 26 0000 Website: www.durham.gov.uk
7	<b>Durham County Council - Economic Development and Planning Department</b> County Hall, Durham, County Durham, DH1 5UL	Telephone: 0191 383 4751 Fax: 0191 383 3657 Website: www.durham.gov.uk
8	<b>The Coal Authority - Property Searches</b> 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
9	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
10	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

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## Groundwater Vulnerability

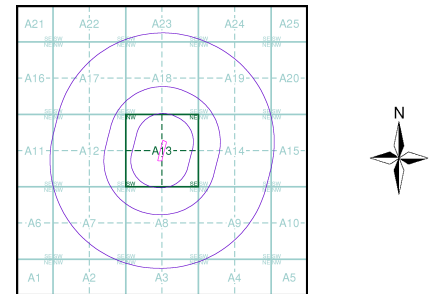
### General

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

### Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer
Unproductive Aquifer	
Soluble Rock	

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 1000

### Site Details

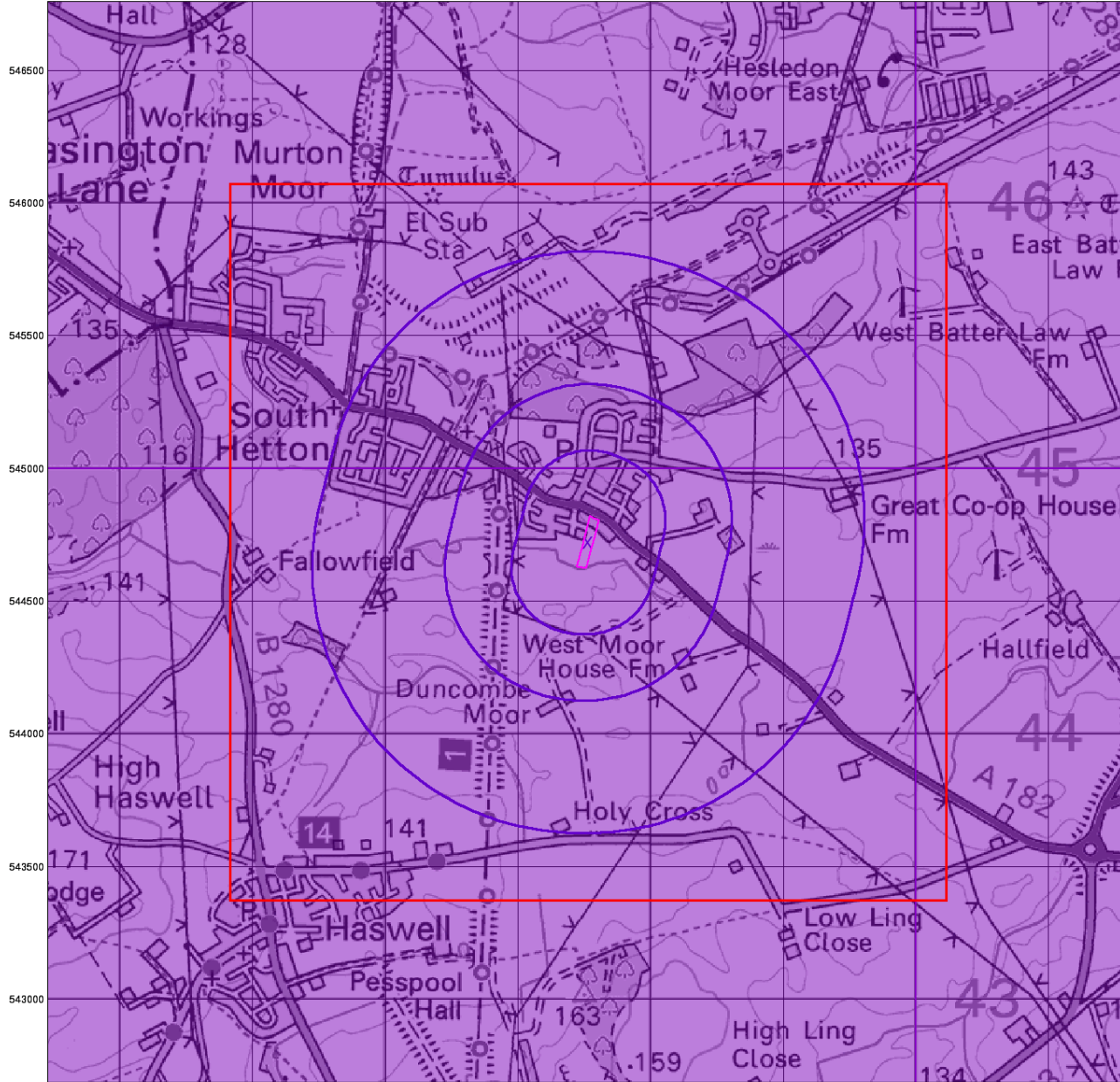
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0 1 km



## Bedrock Aquifer Designation

### General

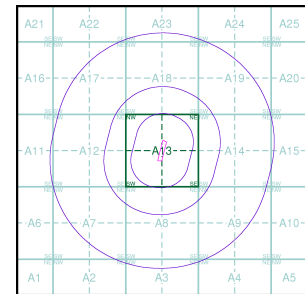
- ◆ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 1000

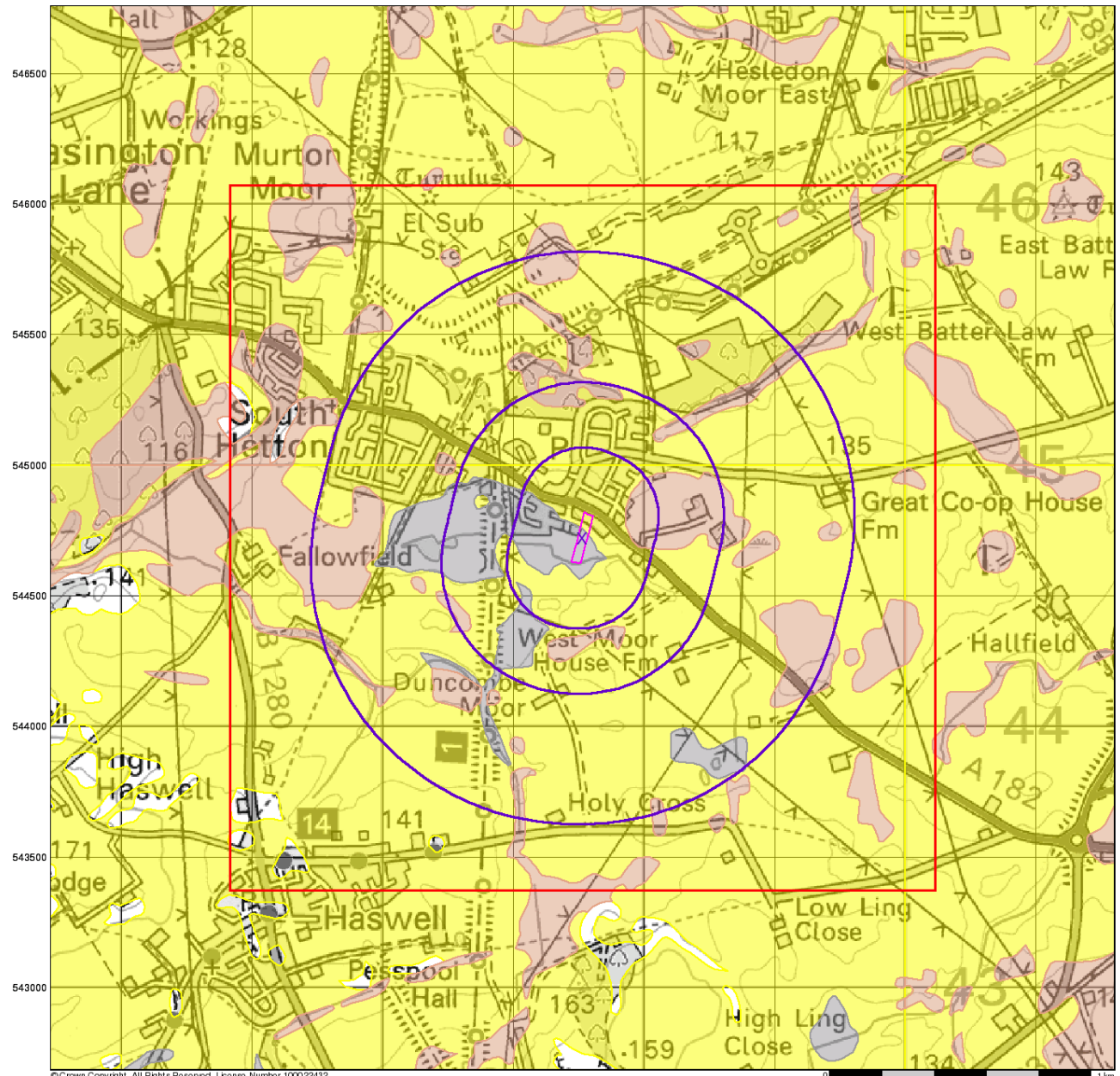
### Site Details

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## Superficial Aquifer Designation

### General

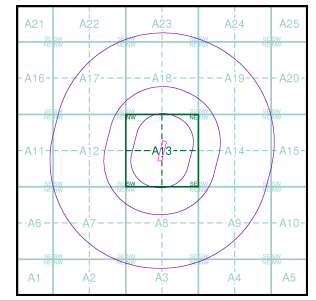
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 1000

### Site Details

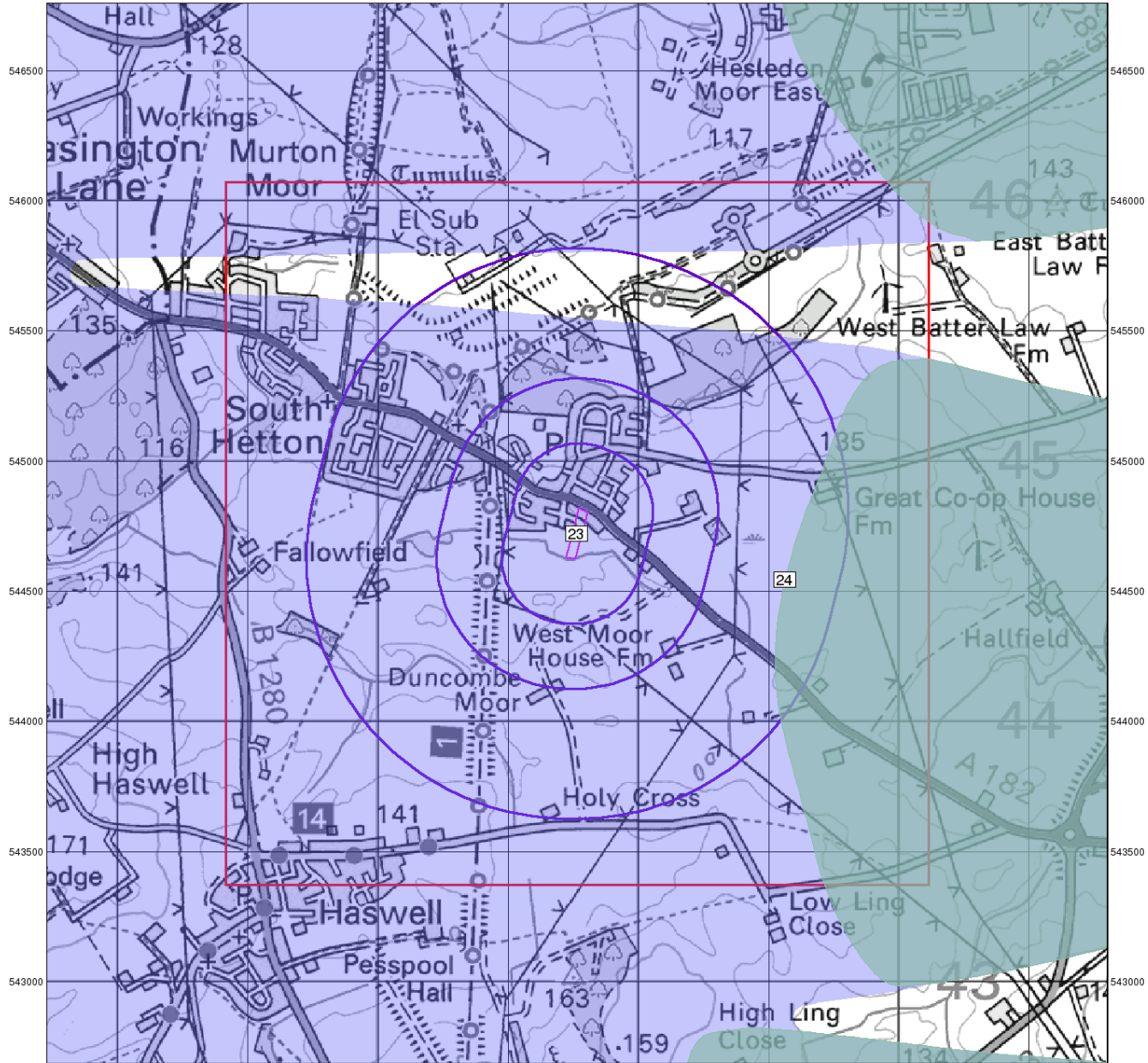
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## Source Protection Zones

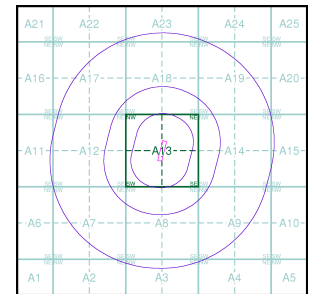
### General

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

### Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

### Site Sensitivity Context Map - Slice A



### Order Details

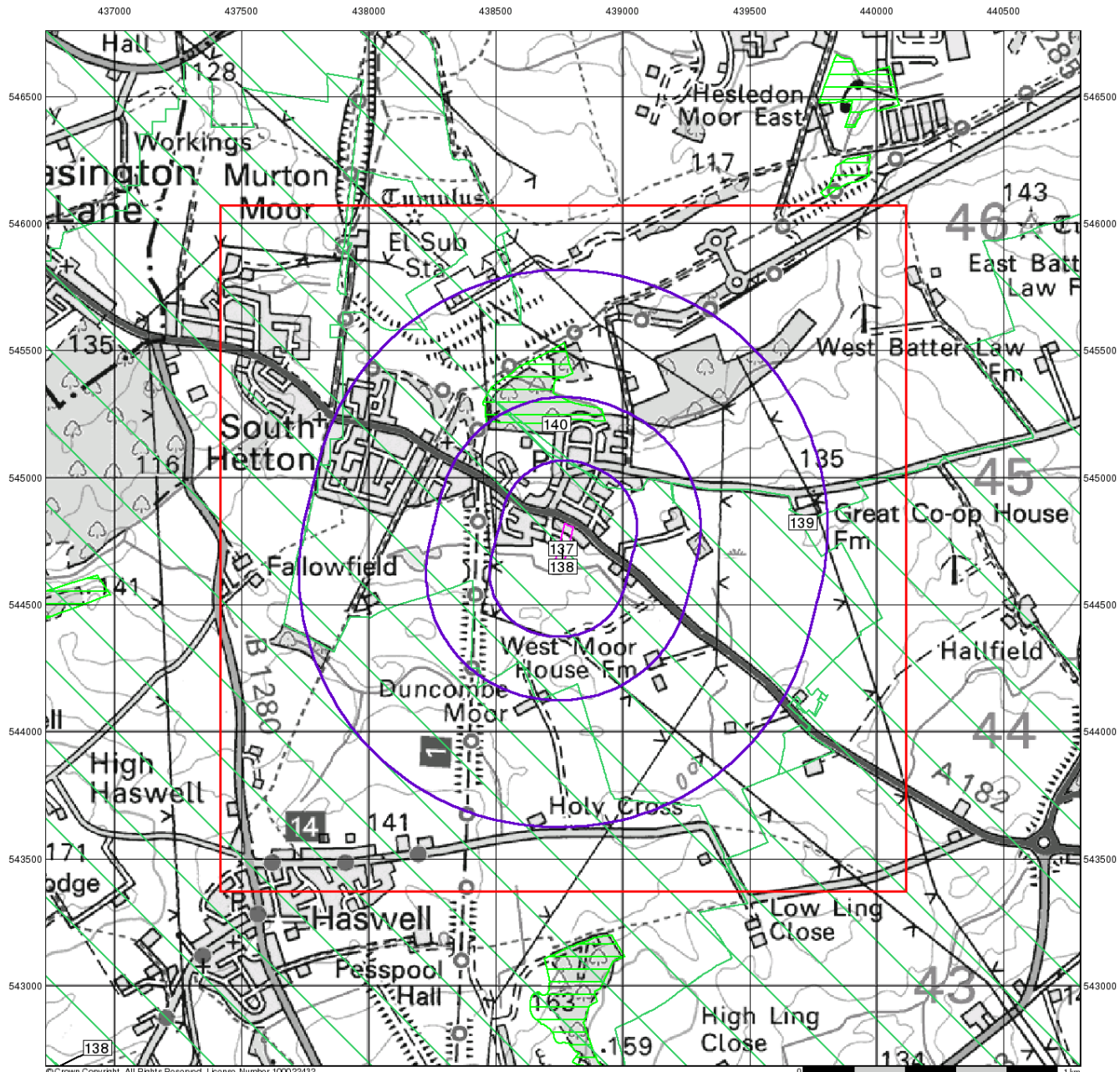
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 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 1000

### Site Details

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## Sensitive Land Uses

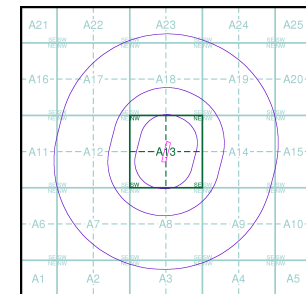
### General

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

### Sensitive Land Uses

- Ancient Woodland
- 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
- World Heritage Sites

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 1000

### Site Details

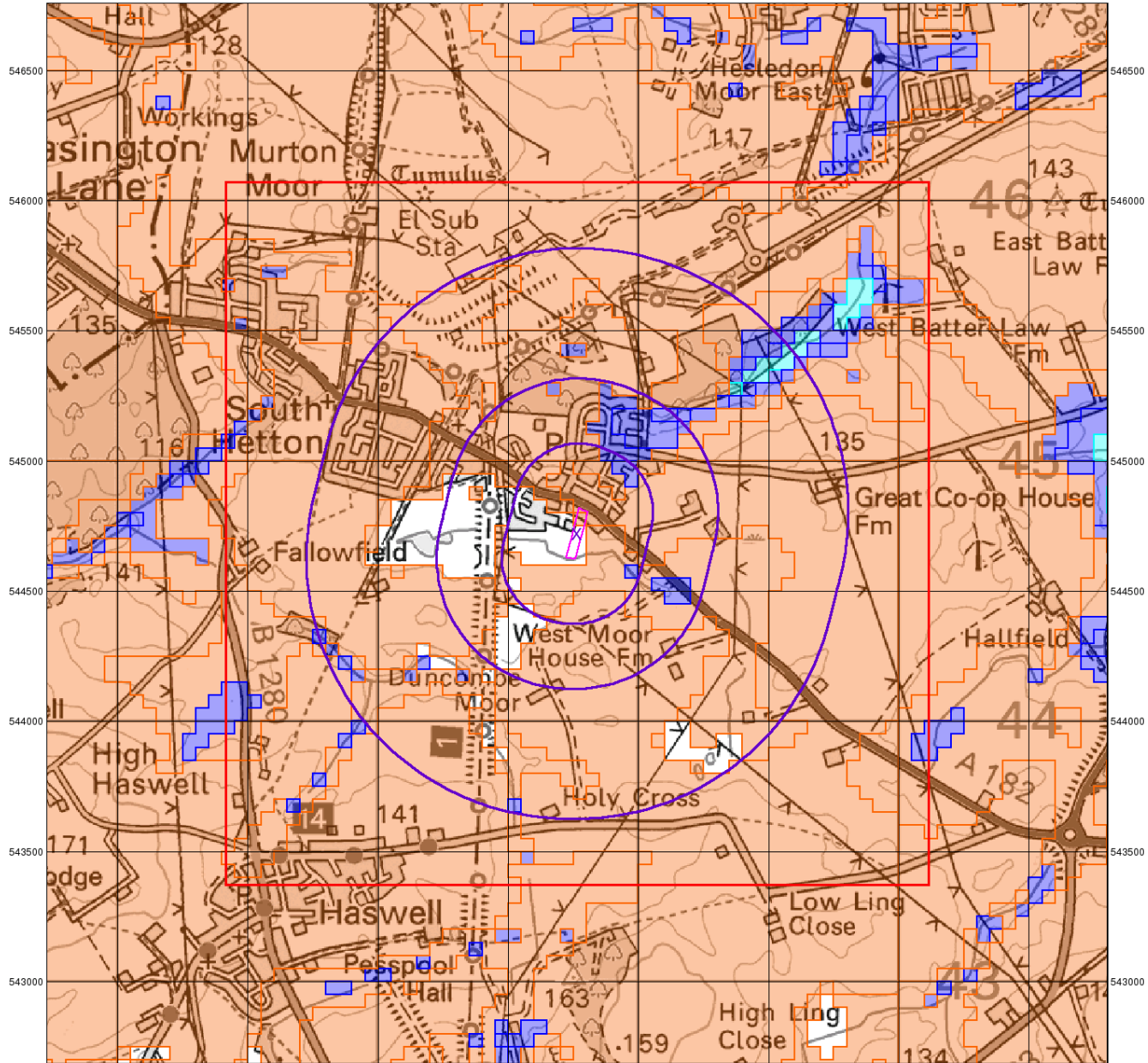
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0 1 km



**BGS Flood GFS Data**

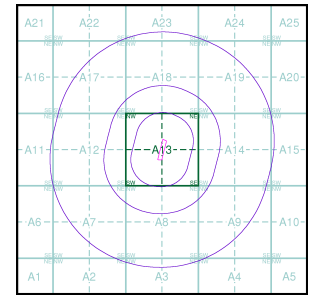
**General**

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

**Agency and Hydrological (Flood)**

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

**Site Sensitivity Context Map - Slice A**



**Order Details**

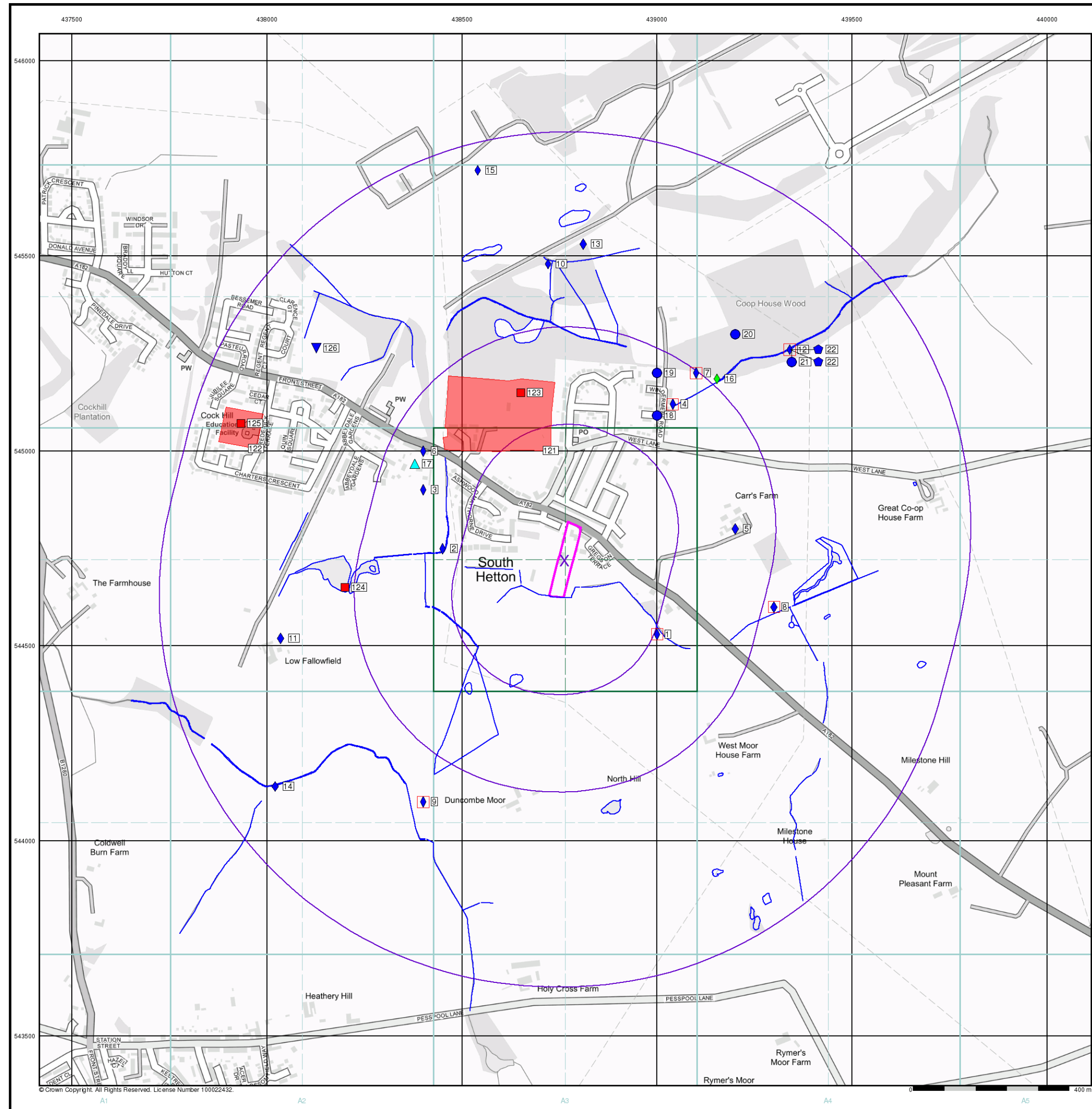
Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
 Search Buffer (m): 1000

**Site Details**

The Old Vicarage, South Hetton, DURHAM, DH6 2SW

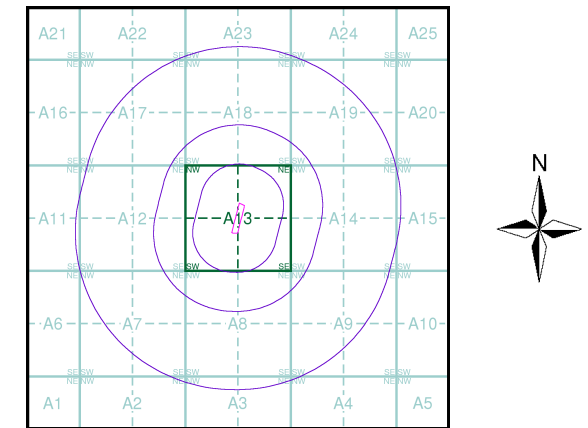


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- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or 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
- 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
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

**Site Sensitivity Map - Slice A**

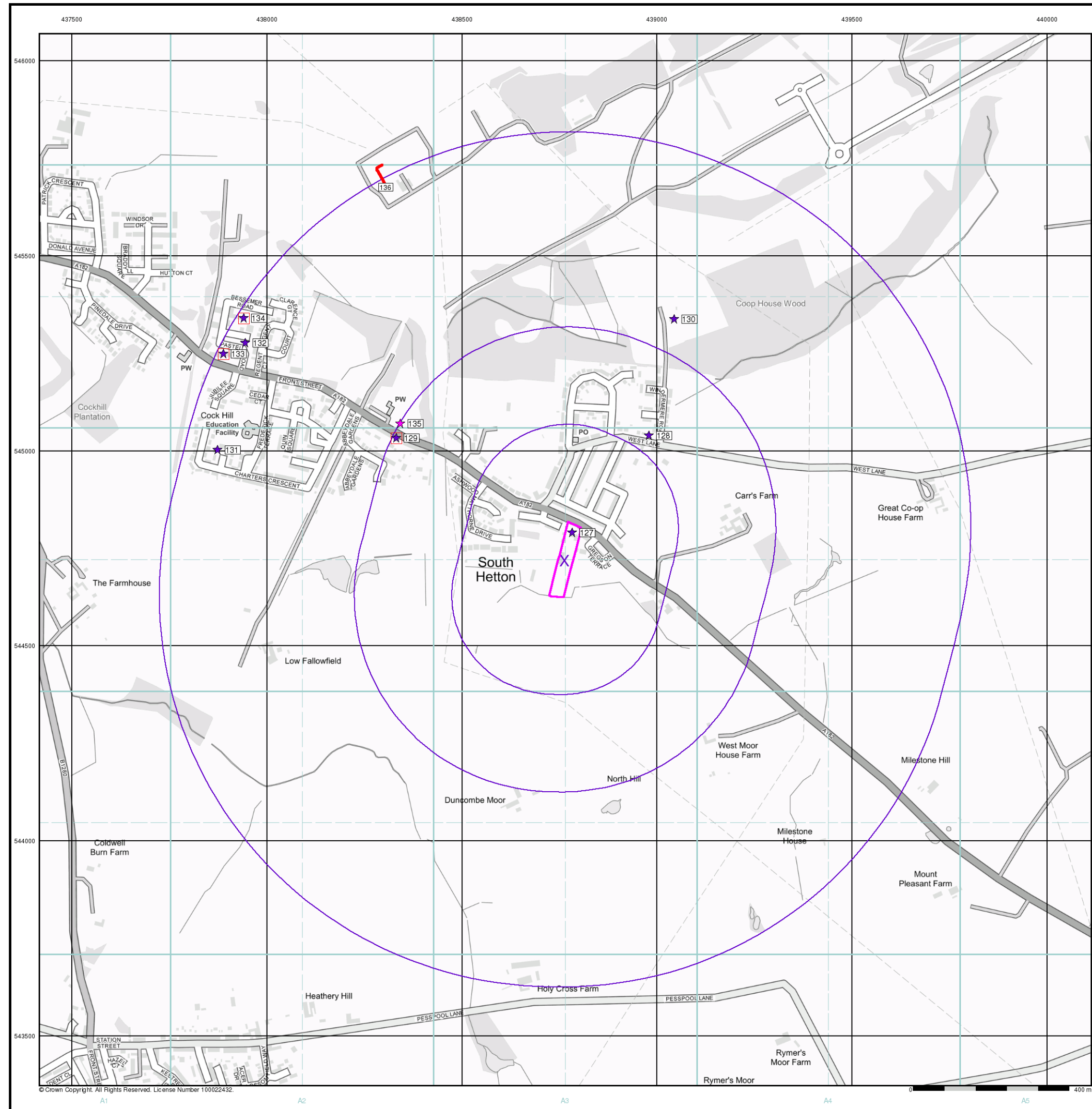


**Order Details**

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**Site Details**  
 The Old Vicarage, South Hetton, DURHAM, DH6 2SW

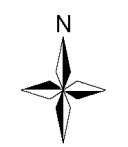
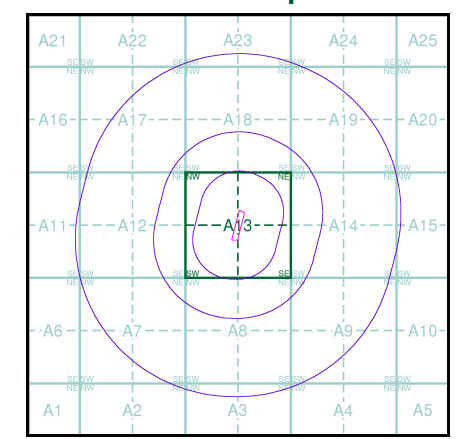




### Industrial Land Use Map

- General**
- Specified Site
  - Slice
  - Specified Buffer(s)
  - Map ID
  - Bearing Reference Point
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry
  - Gas Pipeline
  - Underground Electrical Cables

### Industrial Land Use Map - Slice A






### Order Details

Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
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 Search Buffer (m): 1000






### Site Details

The Old Vicarage, South Hetton, DURHAM, DH6 2SW

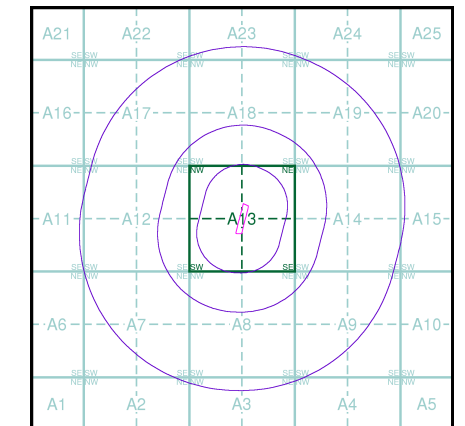
**General**

-  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**

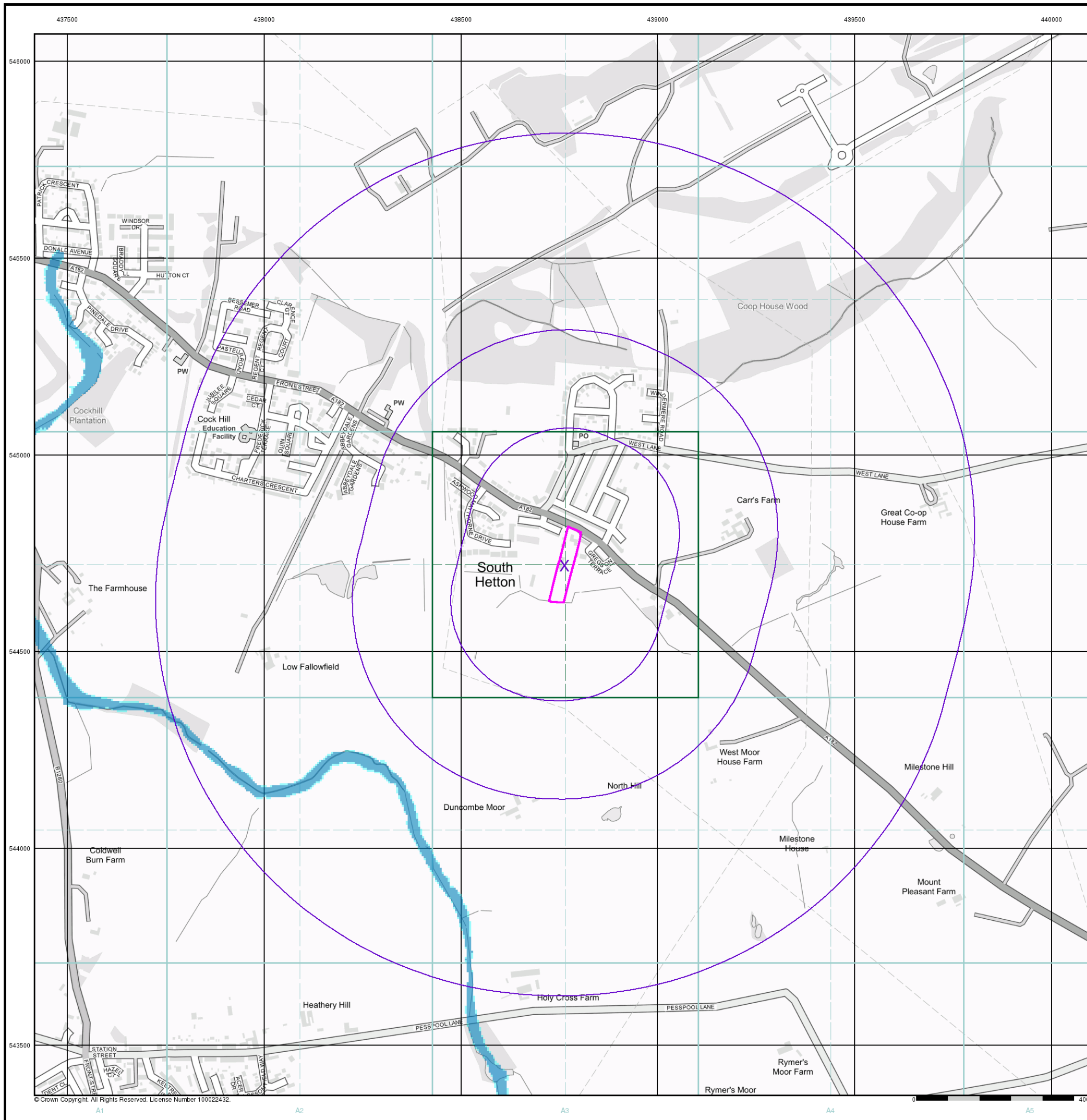


**Order Details**

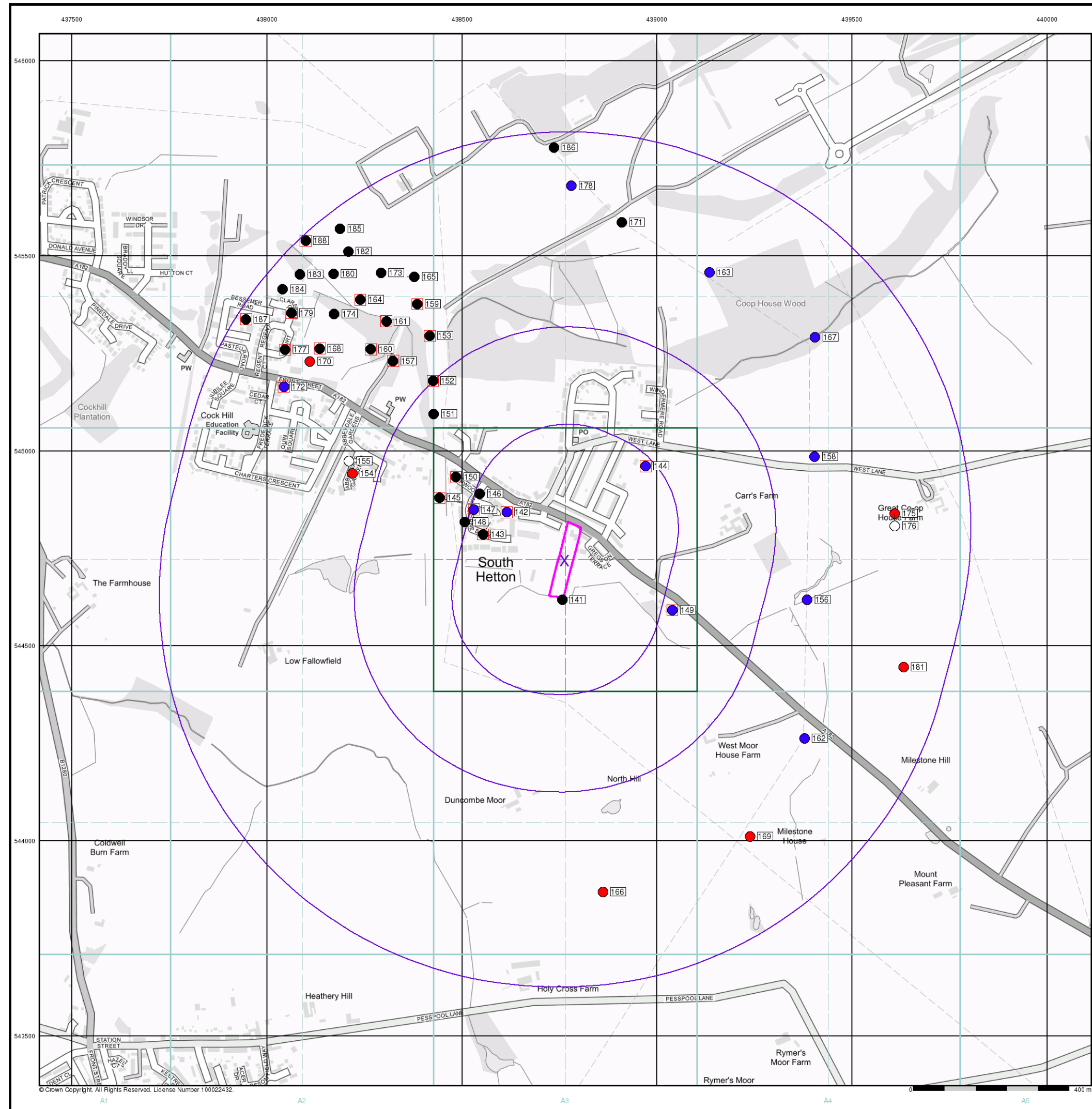
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 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
 Slice: A  
 Site Area (Ha): 0.71  
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**Site Details**

The Old Vicarage, South Hetton, DURHAM, DH6 2SW







**General**

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

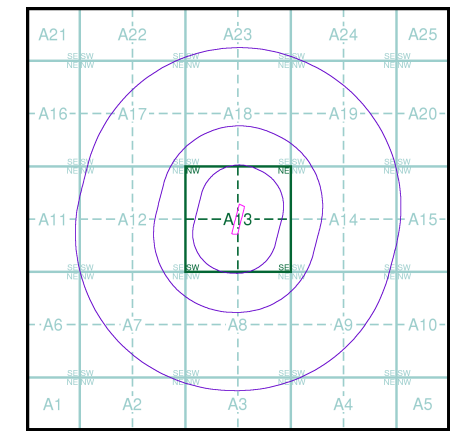
**Agency and Hydrological (Boreholes)**

- 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](http://www.envirocheck.co.uk).

**Borehole Map - Slice A**



**Order Details**

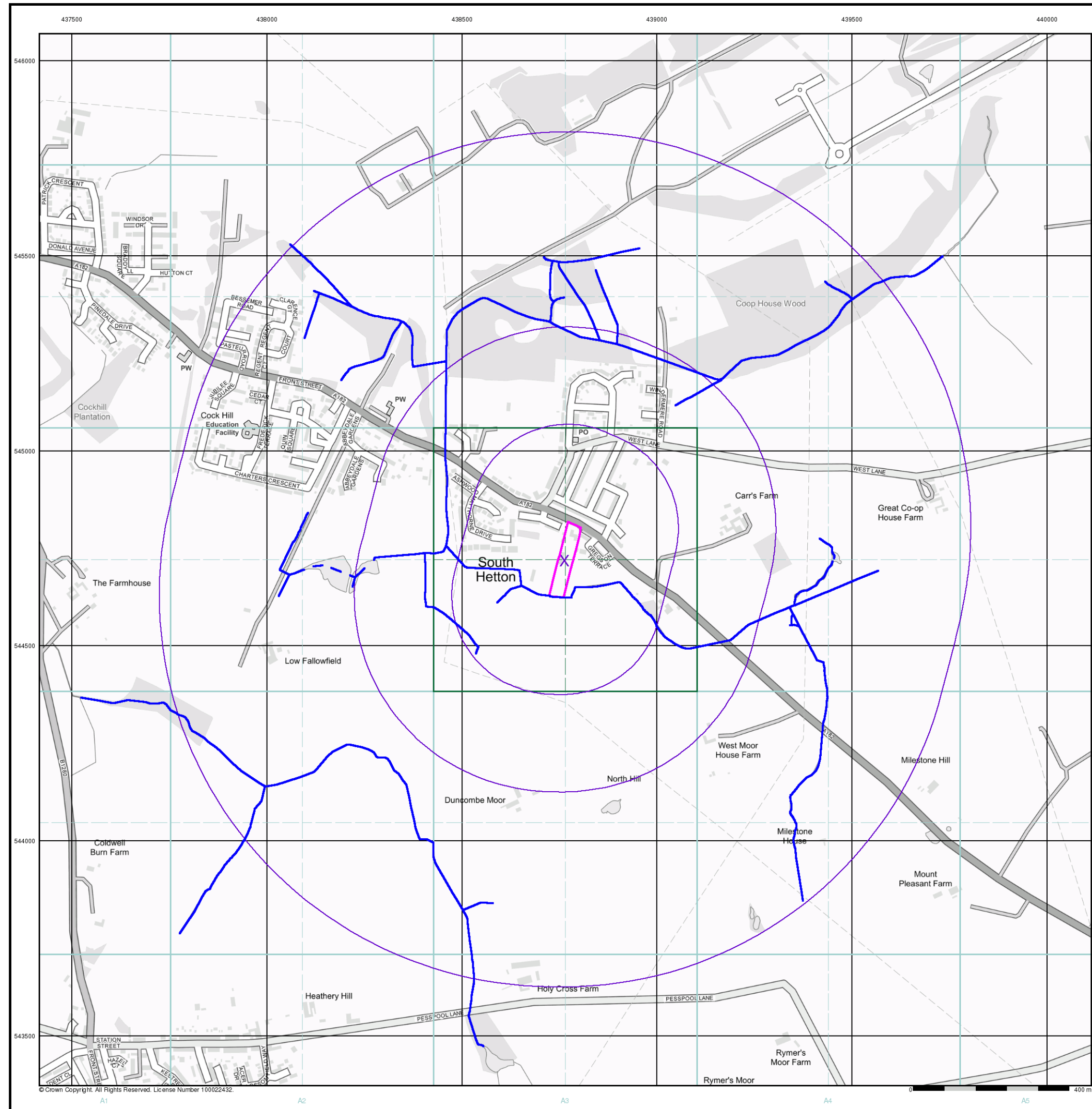
Order Number: 285810320\_1\_1  
 Customer Ref: 1458  
 National Grid Reference: 438760, 544720  
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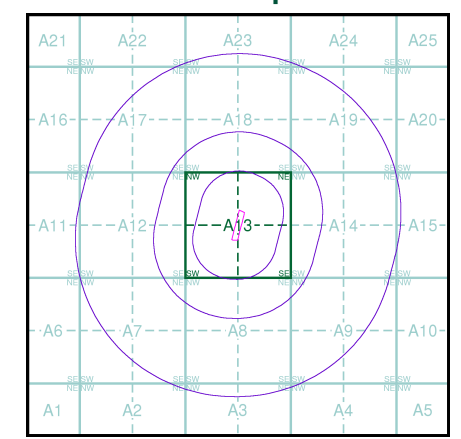
**General**

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

**OS Water Network Data**

- |              |                         |
|--------------|-------------------------|
| Canal        | Drain                   |
| Reservoir    | Other                   |
| Foreshore    | Lake                    |
| Marsh        | Transfer                |
| Tidal River  | Lock Or Flight Of Locks |
| Inland River | Sea                     |

**OS Water Network Map - Slice A**



**Order Details**

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**Site Details**

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