



South Tyneside Hospital, South Shields  
Phase1 Desk Study  
South Tyneside District Hospital  
S140408

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## PHASE 1 DESK STUDY


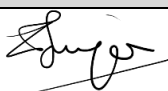
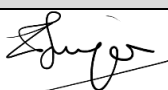
### SOUTH TYNESIDE HOSPITAL, SOUTH SHIELDS

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Revision	Date	Prepared By	Signed
Final	Sept 2014	A Cutts <i>Senior Engineer Geologist</i>	
		Checked By	
		D Simpson <i>Principal Geotechnical Engineer</i>	
		Approved By	
		D Simpson <i>Principal Geotechnical Engineer</i>	

## 1 EXECUTIVE SUMMARY

<b>Site Address</b>	South Tyneside Hospital, Harton Lane, South Shields, NE34 0PN
<b>Site Description</b>	The site lies at the north eastern corner of the hospital grounds and currently comprises an undeveloped grassed plot of land. A single storey brick building lies in the south eastern corner of the site which is currently occupied by the Estates and Works Department.
<b>Site History</b> On Site	Buildings were constructed along the eastern boundary from the late 1800's which were demolished and replaced with the current building around the late 1950's. The western half of the site has remained unchanged.
Off Site	Harton Colliery from mid 1800's to 1960's to the west of the site. Schools and housing developed from 1930's onwards. Hospital present from early 1900's.
<b>Proposed End Use</b>	A new care hub for the elderly.
<b>Environmental Setting</b>	
<i>Landfill &amp; Waste</i>	No landfills within 450m of the site.
<i>Regulated Industries</i>	Radioactive substance consents on the hospital grounds, no other significant entries in the vicinity of the site.
<i>Geology</i>	The underlying geology comprises drift deposits of Upper Pelaw Clay, which overlies solid geology of Middle Coal Measures. The Hebburn Fell Seam conjectured to subcrop 50-80m to the north east.
<i>Mining</i>	Shallowest known worked seam is the Yard at 313m depth with a section of 0.95m. Mining report highlights possible ancient shallow unrecorded workings.
<i>Hydrogeology</i>	The solid geology is classified as a Secondary A Aquifer by the Environment Agency.
<i>Hydrology</i>	There is no surface water features within 600m of the site.
<i>Flooding</i>	The site has not previously been affected by flooding.
<i>Radon Gas</i>	No radon protection measures are required for new buildings on site.
<b>Preliminary Geotechnical Assessment</b>	Made ground is expected to be thin and comprise construction waste in granular or clay fill. Drift deposits of upper pelaw clay are shown in the geological plans.  The expected ground conditions would likely give rise to the use of strip foundations.
<b>Preliminary Contamination Assessment</b>	The desk study has shown that the site is unlikely to have been exposed to anything other than minimal contamination, with construction waste such as brick rubble the most likely source. Limited chemical contamination analysis considered necessary.
<b>Potential Sources of Ground Gas</b>	Underlying coal measures capped by impermeable clay layer and thin inert made ground. Ground gas assessment is not recommended.
<b>Environmental Protection Act 1990</b>	For the site to be designated as contaminated under Part 2A of the EPA 1990, a significant proven source-pathway-receptor linkage has to be present. No such linkage has been proven.
<b>Risk Assessment</b>	Based on the information contained in this report, it is the opinion of Solmek that the site represents a <b>low</b> environmental risk.
<b>Phase Two Recommendations</b>	Small percussive boreholes with insitu testing and samples taken for geotechnical contamination testing. Machine excavated trial pits for soakaways and limited contamination sampling and analysis.

## 2 INTRODUCTION AND SCOPE OF INVESTIGATION

Solmek were instructed by Billingham George and Partners on behalf of South Tyneside District Hospital to undertake a desk study within the grounds of South Tyneside Hospital, South Shields.

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

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

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

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

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

This Phase 1 Desk Study has been undertaken with due regard to current contaminated land guidance issued by the Royal Institution of Chartered Surveyors (RICS) together with BS 10175: 2001, "*Code of Practice for the Investigation of Potentially Contaminated Land*" and relevant sections of BS 5930: 1999, "*Code of Practice for Site Investigations*".

## 3 SITE WALKOVER AND DESCRIPTION

### 3.1 General

The centre of the site is located at OS Grid Ref 436630, 564470 and covers an area of approximately 0.54Ha. The site is situated within the grounds of South Tyneside Hospital, South Shields, Tyne and Wear.

The site inspection was undertaken on the 3<sup>rd</sup> September 2014 and site photographs are presented in Appendix A.

### 3.2 Site Features

This area of site lies at the north eastern corner of the hospital grounds and currently comprises an undeveloped grassed plot of land. A single storey brick building lies in the south eastern corner of the site which is currently occupied by the Estates and Works Department.

The site is accessed from Harton Lane in the north of the site.

### 3.3 Off Site Features

The site is bound to the north by Harton Lane and to the east by Mcanany Avenue. Residential properties lie beyond to the north and east. Hospital access roads form the southern and western boundaries with hospital buildings and parking areas beyond. A brick wall was present along the northern boundary along with a number of semi mature to mature deciduous trees.

## 4 SITE HISTORY

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

Table 1 presents a summary of the history of the area which includes plots from 1862 to 2014. The summary focuses on the historical land uses and changes relevant to the site and the proposed end use.



Measurements are taken from the centre of the site and all distances quoted are approximate.

**TABLE 1: SUMMARY OF SITE HISTORY**

OS Map Edition	On-site Features	Off-site Features
1862 1:10,560	The site lies within a series of open fields labelled "Harton Moor". Roads are shown along the northern and eastern boundaries.	The surroundings generally comprise open fields. A building labelled North Pasture with a small pond adjacent lies 600m to the south of the site. Moor House with a pump lies 250m north east. Harton and Whitburn Colliery is shown 300m to the south west with a railway line over 800m to the west.
1897-98 1:2,500/1:10,560	Buildings are shown along the eastern boundary with a water main in the north east corner. The remainder of the site is undeveloped.	A number of structures including a Lodge and a school surround the site forming South Shields Union Workhouse. Harton Colliery has expanded slightly to within 250m west of the site.
1915-16 1:2,500	A row of four buildings are shown along the eastern boundary.	A Hospital is labelled 150m to the south west. Harton Lane is now labelled to the north. Housing has been developed 100m north beyond Nora Street. A reservoir is depicted 180m to the south east.
1921 1:10,560	No change.	No change.
1938 1:10,560	No change.	Housing developed beyond Harton Lane to the north with further housing development to the north west. Newly constructed housing lies along King George Road 700m east. Harton Laundry and Dye Works shown 500m to the north east.
1942 1:2,500	No change.	The buildings to the south have expanded and now include a Nurses Home. The buildings are collectively known as Harton Institution and General Hospital. No other obvious changes.
1951-52 1:10,000	No change.	Harton Moor Golf Course lies over 500m to the south east.
1957 1:2,500	A large building has been constructed in the south eastern corner of the site. The remainder of the site is undeveloped.	The site now lies within South Shields General Hospital.
1966-73 1:1,250	The building has been extended to the south west elevation. Paths are shown to the north and west.	Brinkburn School lies to the east of the site with St Cuthbert's to the north. The mine to the west has been removed.
1976-77 1:10,000	No change.	The hospital has expanded to the south. Housing has been developed 250m to the south east.
1979-82 1:1,250	No change.	Further expansion of the hospital to the west of the site.
1986-87 1:10,000	No change.	No change.
1993 1:1,250	No change.	No change.
2006 1:10,000	No change.	Hospital buildings to the immediate south and west have been removed.
2014 1:10,000	No change.	No change.

## **Potential contamination sources identified via historical plans**

The site has undergone very little change over the period of historic mapping. Buildings were constructed along the eastern boundary from the late 1800's which were demolished and replaced with the current building around the late 1950's. The western half of the site has remained unchanged. The risk from contamination comes from the presence of the building in the south east and associated construction/demolition waste which may be present in the area. The land to the west is likely to have a low contamination profile.

## **5 ENVIRONMENTAL SETTING**

### **5.1 Information Sources**

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

- Landmark Envirocheck Report (including historical map extracts)
- British Geological Survey (BGS) 1:10,000 NZ36SE
- BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings

### **5.2 Landfill and Waste**

The Envirocheck Report shows there are no landfills within 450m of the site.

Details from the Environment Agency website indicate that there are three sites; Temple Memorial Park No1, Temple Park No2 and Temple Park No3 further to the south east. The first waste received was in January 1957 for the Temple Memorial Park No1 site and the last input date is given as January 1994. Temple Park No2 first received waste in January 1950 but no details of the last waste input is given. No details are given for Temple Park No3. Temple Memorial Park No1 received inert, industrial, commercial and household wastes. Temple Park No2 received inert, industrial and commercial wastes and Temple Park No3 received industrial, commercial and household wastes.

A waste transfer and management site is listed 72m south east as part of the hospital clinical waste facility.

### **5.3 Regulated Industries**

There are no hazardous substance entries in the Envirocheck report within 1km of the site.

There are no NIHHS/COMAH sites within 1km of the site.

There are no explosive consents within 1km of the site.

There are ten Registered Radioactive Substances located 130m to the south which all relate to the disposal of waste at South Tyneside Hospital.

There is one Local Authority Pollution Prevention and Control within 500m of the site. This is a revoked license for the incineration of clinical waste 136m south at South Tyneside Hospital.

There are no active contemporary trade entries located within a 500m radius of the site other than the operation of the hospital itself.

There are no fuel station entries within 750m of the site.

There are no pollution preventions or enforcement notices within 1km of the site.

### **5.4 Geology**

The solid geology beneath the site is likely to comprise Middle Coal Measures rocks (sandstone and mudstone)

The drift deposits are shown as Upper Pelaw Clay.

There are no faults shown in the vicinity.

The Hebburn Fell seam is conjectured to subcrop 50-80m to the north east and dip beneath the site. The geological map stratigraphy indicates that the seam is between 0.38 and 0.79m in thickness.

## **5.5 Mining & Quarrying**

A coal mining search report for the site was sourced from David Bellis Consulting Surveyors dated, 5<sup>th</sup> September 2014 and is presented in Appendix D.

The mining report indicated five worked coal seams below the site. The shallowest seam is named the Yard which was partially extracted before 1953 subjacent to the site at a depth of 313m with a section of 95cm.

The mining report highlights that there are possible ancient shallow coal mining workings within the likely zone of influence of the site for which no accurate plans or records exist. However the report concludes that all settlement is likely to have completed.

The report states that there are no known shafts or adits within 20m of the property.

The report highlights that the site is not in the boundary of a former opencast coal mining site. The site is also not located within 200m of an operating opencast coal mine or 800m of a future opencast coal mine.

There are no BGS mineral sites within 750m.

## **5.6 Geological Hazards and Instability**

The BGS indicate there is no apparent risk for compressible ground, running sand or ground dissolution within the site.

The BGS also indicate the potential for collapsible ground and landslides are a very low risk and shrinking and swelling of clays as a low risk, as identified in the Envirocheck report.

## **5.7 Hydrogeology**

Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as a Secondary A aquifer. The overlying drift is classified as Unproductive Strata.

The site does not lie within a Source Protection Zone.

The Envirocheck Report indicates there is no licensed water abstractions located within the area.

## **5.8 Hydrology**

The nearest surface water features lies over 600m to the south.

There is currently no active water discharge consents located within 1000m of the site.

A pollution incident occurred 220m north west of the site in 1991 classed as a category 3 – Minor Incident, caused by a transported oil spillage.

## **5.9 Flooding**

The site is not recorded as being situated within a zone of flooding.

## **5.10 Sensitive Land Use**

The site is not located within a sensitive land use area.

## 5.11 Radon Gas

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

## 6 CONCEPTUAL SITE MODEL

### 6.1 General

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

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

### 6.2 Likely Ground Conditions

The site currently consists of an undeveloped open grassed area with a building located in the south east. Made ground will consist of mainly construction waste and natural materials either granular or clay fill with brick rubble. The natural ground will comprise firm and stiff clays.

### 6.3 Potential Buried Obstructions

Potential building obstructions include foundations from the current building in the south east of the site. There may also be the presence of services including electric cables, water pipes and drainage pipes.

### 6.4 Preliminary Geotechnical Assessment

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

### 6.5 Mining Assessment

The mining report indicated five worked coal seams below the site. The shallowest being the Yard at a depth of 313mbgl with a section of 95cm. The Hebburn Fell Seam may also be present at shallow depth.

An assessment of risk from shallow mining has been carried out using this data. The known worked coal seams are unlikely to affect the integrity of the proposed structures on the site. The mining report highlights possible ancient shallow workings but old workings are likely to have settled. The Hebburn Fell seam has a predicted section of between 0.38 and 0.79m and is unlikely to be of good quality and thickness therefore this may have been uneconomical to extract. It would therefore appear that the proposed development is unlikely to be compromised by past mining activity.

### 6.6 Preliminary Contamination Assessment

The desk study has shown that the site is unlikely to have exposed to anything other than minimal contamination, with construction waste such as brick rubble the most likely source.

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

**TABLE 2: POTENTIAL PRIORITY CONTAMINANTS**

Inorganic Contaminants	Organic Contaminants
Arsenic, Boron, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc, Selenium, Cyanide, Soluble Sulphate, pH, asbestos	Phenol

It should be noted that the above potential contaminants are considered to be commonly associated with the specified past land uses of the site, and adjacent land use. Risk assessment should be undertaken for contamination identified during intrusive investigation.

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

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

### 6.7 Potential Sources of Ground Gas

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

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

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

**TABLE 3: POTENTIAL GROUND GAS POLLUTION LINKAGES**

Potential Sources	Potential Pathway	Receptor
Hazardous mine gases from Coal Measures strata (CO <sub>2</sub> , CO and CH <sub>4</sub> ).	Ingress and Accumulation into buildings from vertical and horizontal migration	Future users of site are likely to include adults and children that will visit the site for short time periods.  Construction workers (in particular utility workers).
Thin made ground possible (CO <sub>2</sub> , CO and CH <sub>4</sub> ).	Ingress and Accumulation into buildings from vertical and horizontal migration	
Preliminary Comparison of Consequence versus Probability		
	Classification	Justification
<b>Probability</b> <i>(Based on Table 8.1, CIRIA C665, 2007)</i>	UNLIKELY	The site lies within a coal mining area but with a thick clay cap cover.  Shallow made ground of inert construction waste.
<b>Consequence</b> <i>(Based on Table 8.2, CIRIA C665, 2007)</i>	MINOR	Occupants of the building will be transient.
	Risk	Details
<b>Consequence vs. Probability</b> <i>(Based on Table 8.3, CIRIA C665, 2007)</i>	VERY LOW RISK	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe. <i>(Based on Table 8.4, CIRIA C665, 2007)</i>

### 6.8 Risk Assessment for Contaminated Land

As part of this Phase 1 Desk Study, a preliminary conceptual model and risk assessment is produced. This



assessment should be revised following the Phase 2 Site Investigation outlining a qualitative risk assessment. Should there be unacceptable risks to the various receptors/end-users following the Phase 2 works, then a remediation strategy may be required to outline measures to satisfy Part 2A of the Environmental Protection Act (1990). The above measures are inline with CLR11 – Model Procedures.

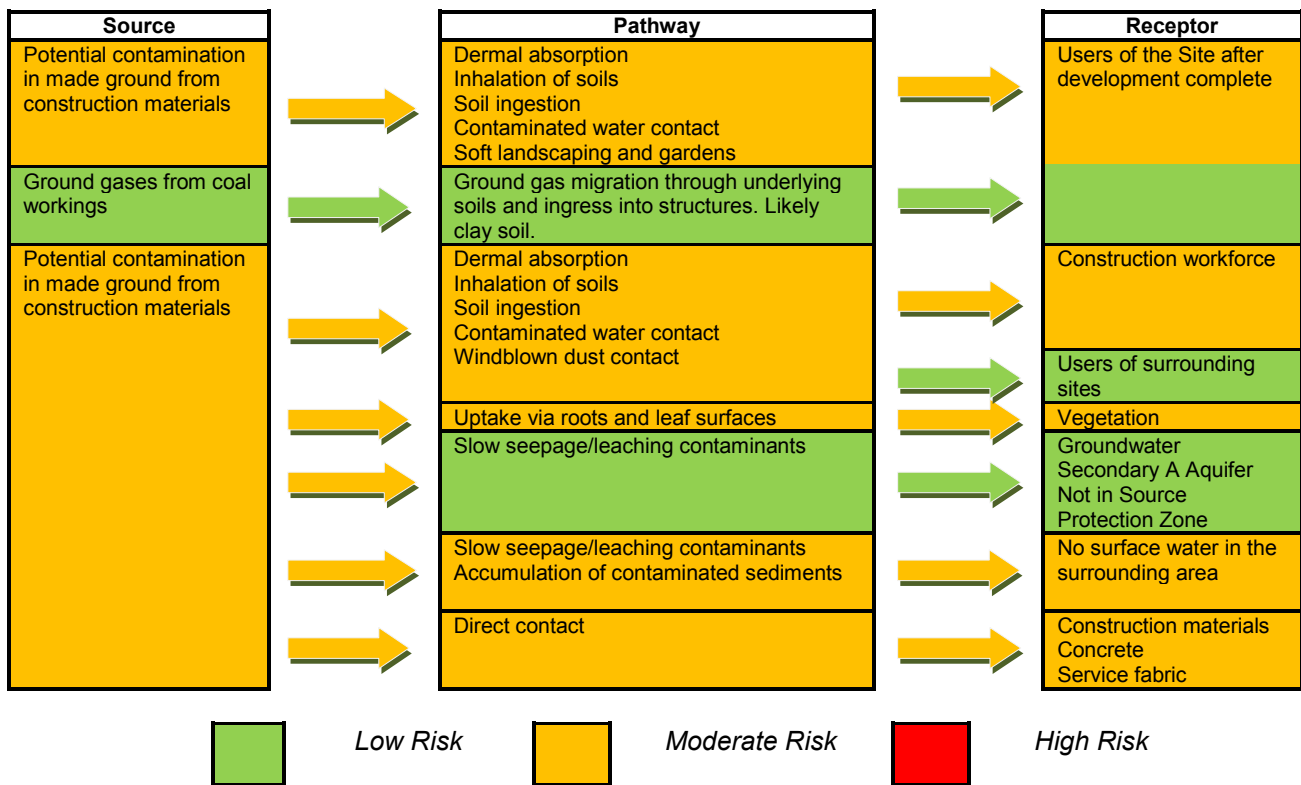
The results of the chemical contamination testing as part of the Phase 2 investigation should be compared to a series of Generic Assessment Criteria (GAC) for a residential development with plant up-take based on the current CLEA model.

**6.9 Conceptual Site Model**

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

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

**TABLE 4: PRELIMINARY CONCEPTUAL MODEL**



**7 PROPOSED PHASE TWO INTRUSIVE WORKS**

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

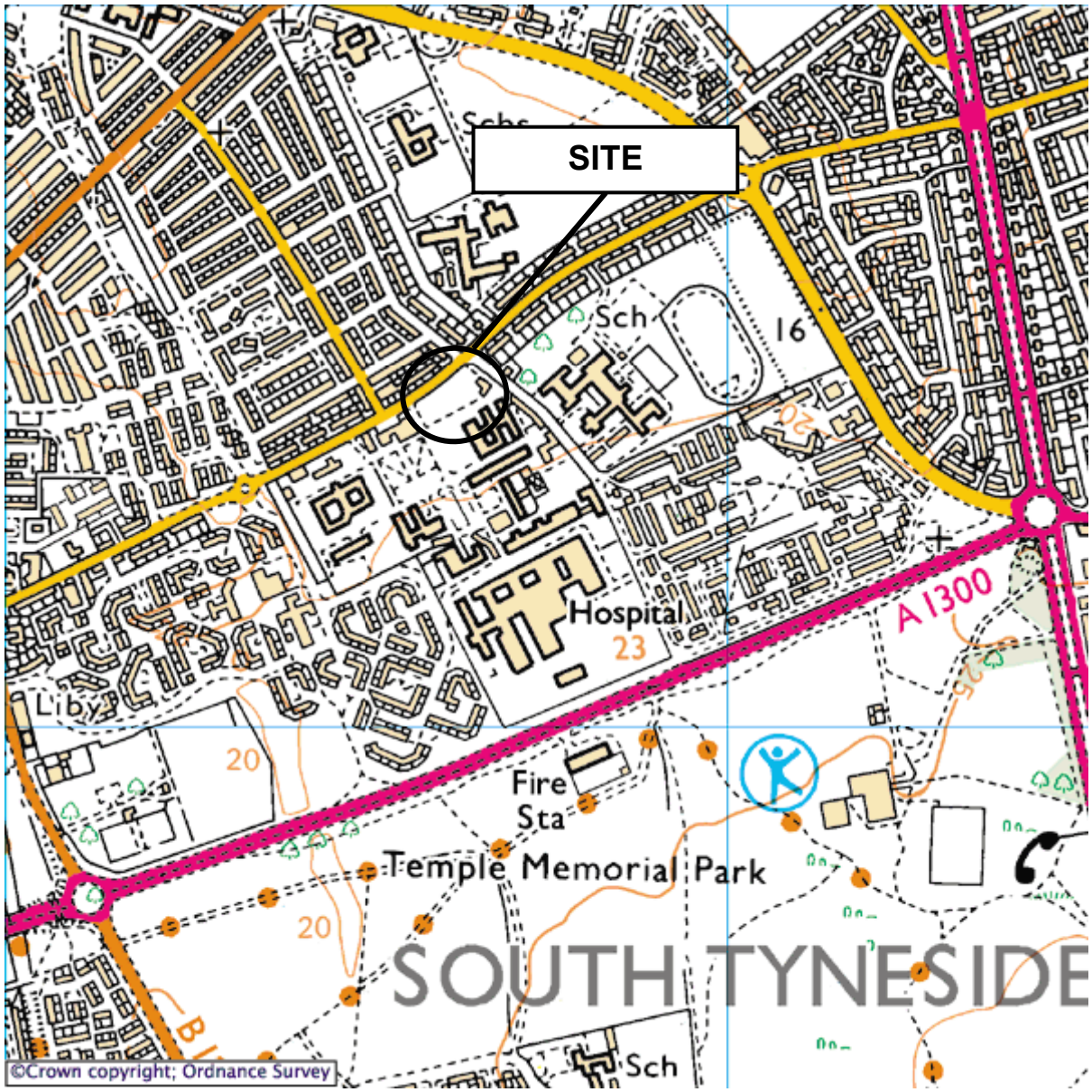
An outline ground investigation strategy is summarised below, based on the preliminary conceptual site model and information obtained during the desk study.

**TABLE 5: SITE INVESTIGATION RECOMMENDATIONS**

Proposed method of investigation	Purpose	Comments
Hand dug trial pits	Hand dug trial pits to 1.2m to ensure positions are clear of underground services.	To be undertaken prior to the drilling of all boreholes.
Small Percussive boreholes	To determine shallow ground conditions. To allow the installation of gas monitoring pipes. To collect soil samples for geotechnical and chemical testing.	Ensure positions are CAT scanned and service plans inspected prior to excavation. Hand vanes to be taken in cohesive deposits. SPT samples in granular strata and rock head. Disturbed and jar samples to be undertaken for chemical testing.
Machine dug trial pits	To determine shallow ground conditions. To collect soil samples for chemical testing. To obtain hand vanes to be taken in cohesive deposits. Jar samples to be undertaken for chemical testing. Percolation trials.	Ensure positions are CAT scanned and service plans inspected prior to excavation. Trial pits required to accompany the boreholes and obtain samples for contamination.
Chemical testing	To allow the potential risks identified within the conceptual model to be addressed.	Chemical soils testing to include metals, asbestos and phenols.
Geotechnical Testing	To confirm material properties. To provide information for earthworks design, To provide concrete classification of materials.	Tests to include sulphate and pH, moisture content, Atterberg tests and triaxial tests.

**SOLMEK**

## APPENDIX A



<b>Client:</b>	South Tyneside District Hospital	
<b>Project:</b>	South Tyneside Hospital	
<b>Title:</b>	Site Location Map	
<b>Drawing No:</b>	Figure 1	Scale: NTS
<b>Date</b>	September 2014	





<b>Title</b>
Site Plan
<b>Project</b>
South Tyneside Hospital
<b>Client</b>
South Tyneside District Hospital
<b>Date</b>
September 2014
<b>Fig No</b>
Figure 2
<b>Scale</b>
NTS



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**Plate 1: View north west across the site**



**Plate 2: View north east across the site**

Client:	South Tyneside District Hospital
Project:	South Tyneside Hospital
Title:	Plates 1 & 2
DRG No:	Figure 3
Date	September 2014

## APPENDIX B



# 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		
	<b>-285</b> 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		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		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W Well

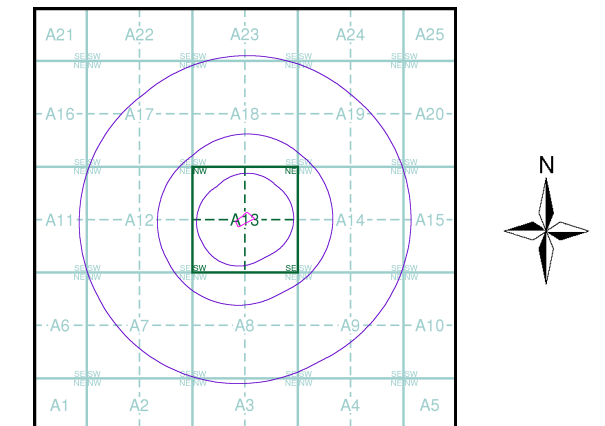
## 1:10,000 Raster Mapping

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

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:10,560	1862	3
Northumberland	1:10,560	1864	4
Durham	1:10,560	1898	5
Northumberland	1:10,560	1899	6
Durham	1:10,560	1921	7
Durham	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1951 - 1952	9
Ordnance Survey Plan	1:10,000	1967 - 1968	10
Ordnance Survey Plan	1:10,000	1976 - 1977	11
Sunderland	1:10,000	1976	12
Newcastle-upon-Tyne	1:25,000	1977	13
Ordnance Survey Plan	1:10,000	1986 - 1987	14
Ordnance Survey Plan	1:10,000	1993	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2014	17

## Historical Map - Slice A



## Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

## Site Details

162, Harton Lane, South Shields, NE34 0PN

# 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

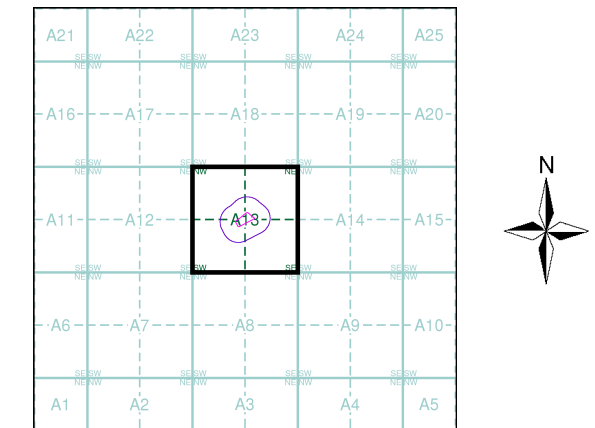
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard 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
Northumberland	1:2,500	1861	2
Durham	1:2,500	1874 - 1886	3
Durham	1:2,500	1897	4
Durham	1:2,500	1915 - 1916	5
Durham	1:2,500	1942	6
Ordnance Survey Plan	1:1,250	1956	7
Ordnance Survey Plan	1:2,500	1957	8
Ordnance Survey Plan	1:1,250	1966 - 1973	9
Ordnance Survey Plan	1:2,500	1970	10
Ordnance Survey Plan	1:1,250	1971 - 1986	11
Supply of Unpublished Survey Information	1:1,250	1973 - 1975	12
Additional SIMs	1:1,250	1979 - 1982	13
Ordnance Survey Plan	1:1,250	1985	14
Large-Scale National Grid Data	1:1,250	1993	15
Large-Scale National Grid Data	1:1,250	1994 - 1995	16

## Historical Map - Segment A13



## Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 100

## Site Details

162, Harton Lane, South Shields, NE34 0PN



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







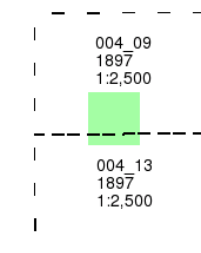
**Durham**

**Published 1897**

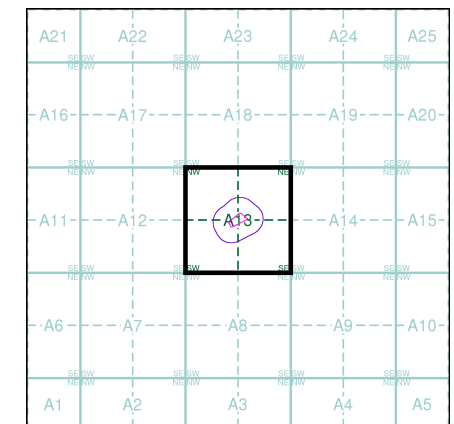
**Source map scale - 1:2,500**

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)**



**Historical Map - Segment A13**

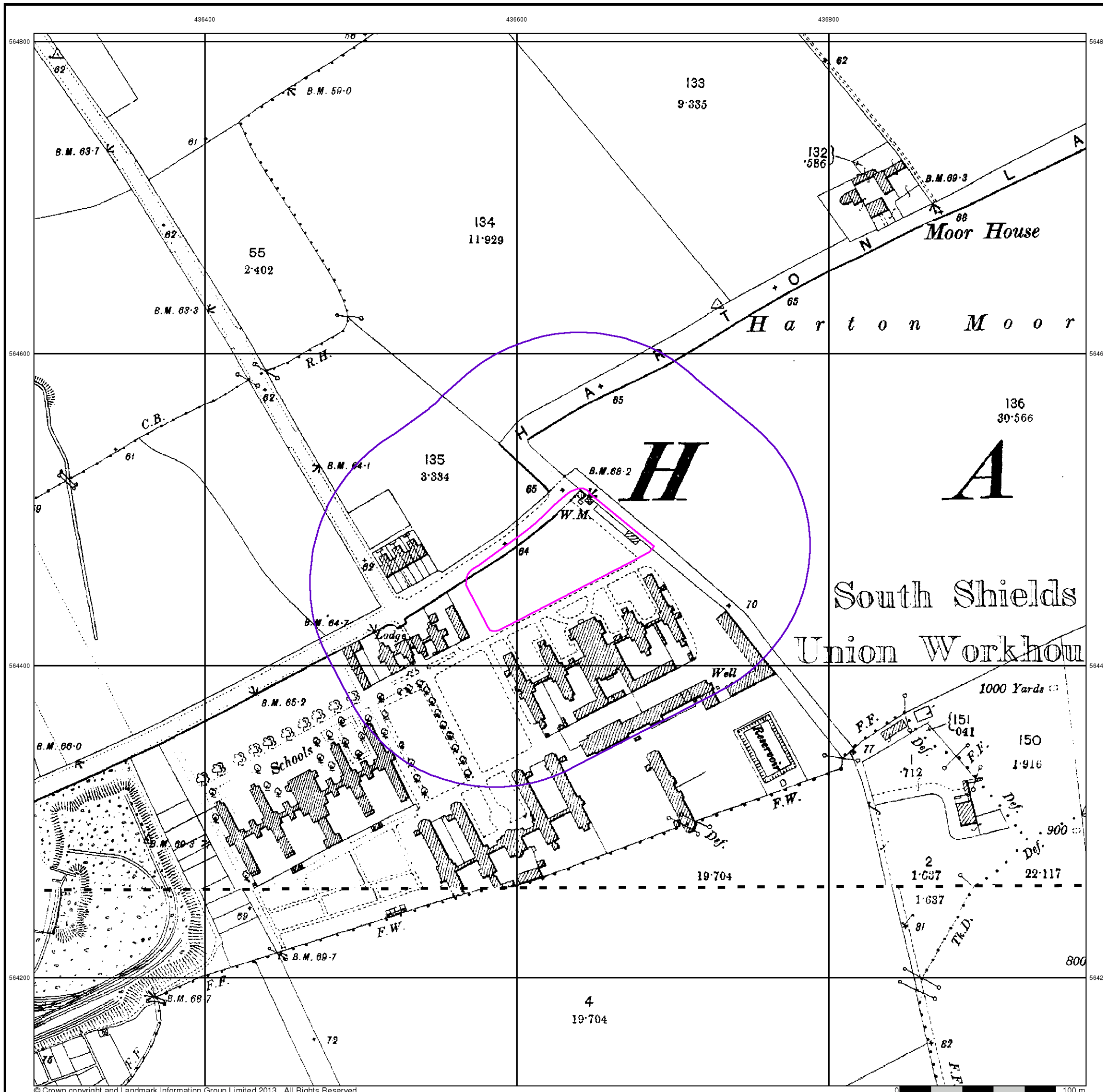


**Order Details**

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 100

**Site Details**

162, Harton Lane, South Shields, NE34 0PN





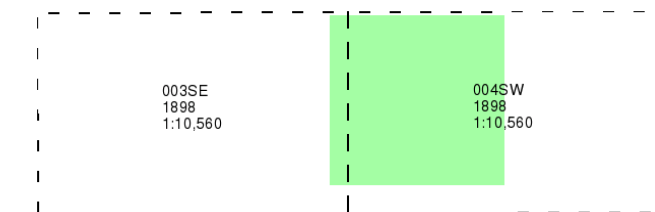
## Durham

Published 1898

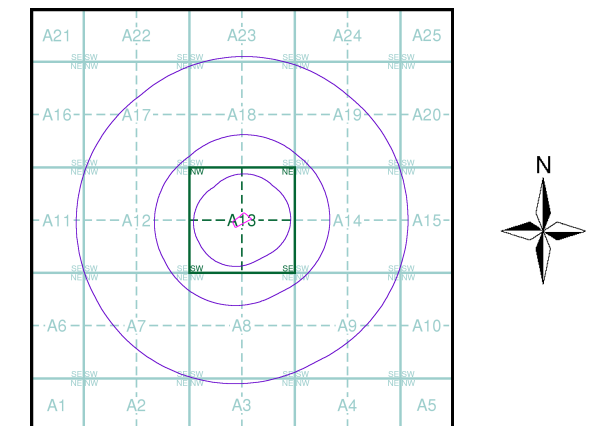
Source map scale - 1:10,560

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

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



### Historical Map - Slice A

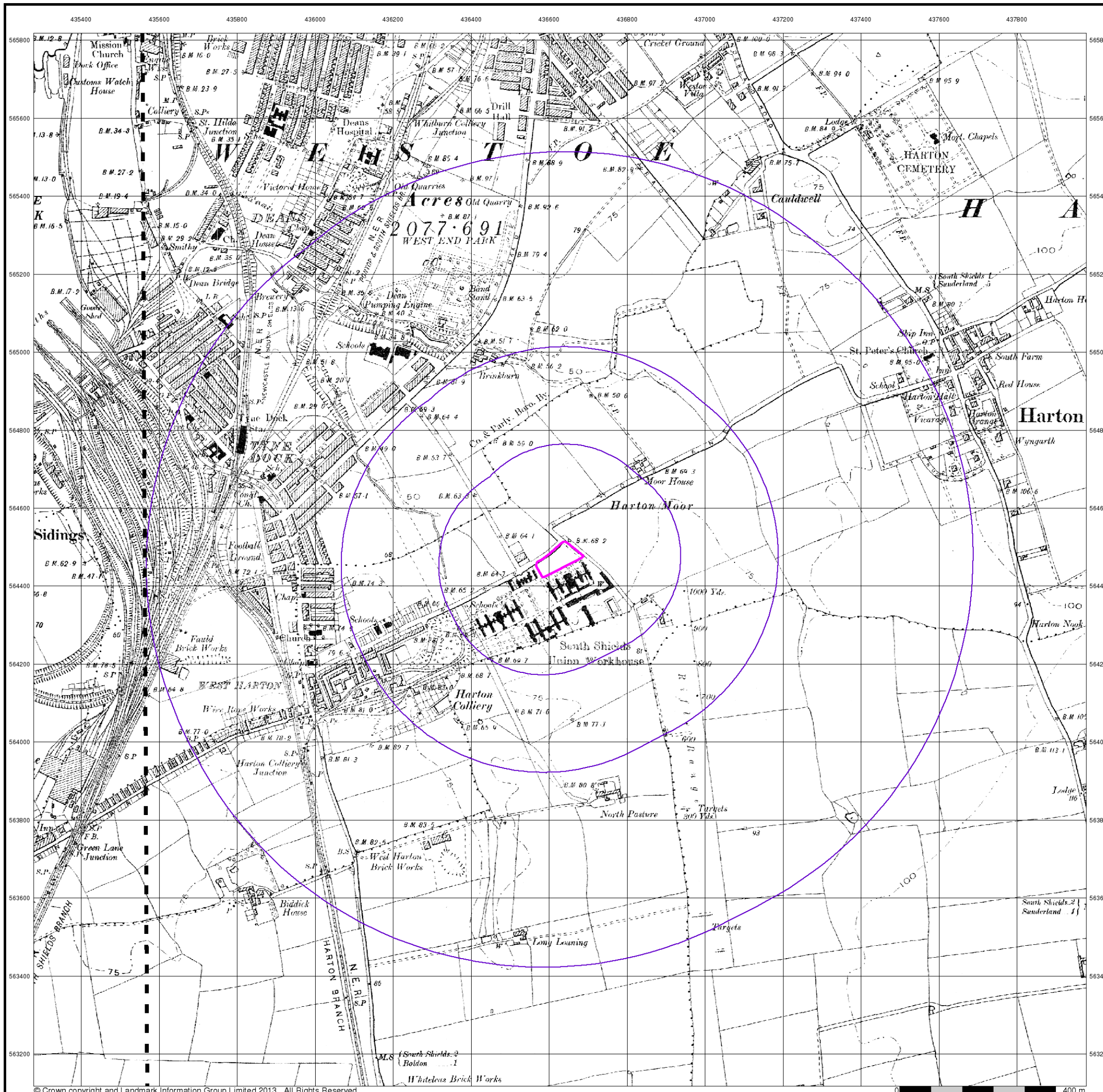


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

### Site Details

162, Harton Lane, South Shields, NE34 0PN





## Durham

Published 1915 - 1916

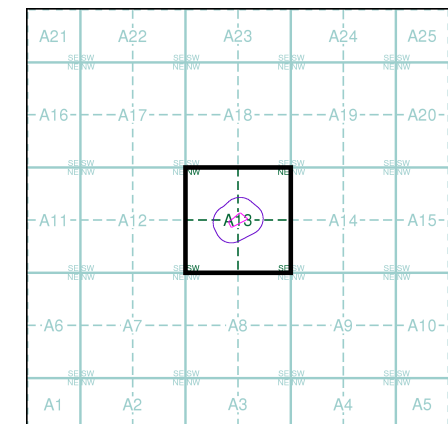
Source map scale - 1:2,500

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)

004_09	1916	1:2,500
004_13	1915	1:2,500

### Historical Map - Segment A13

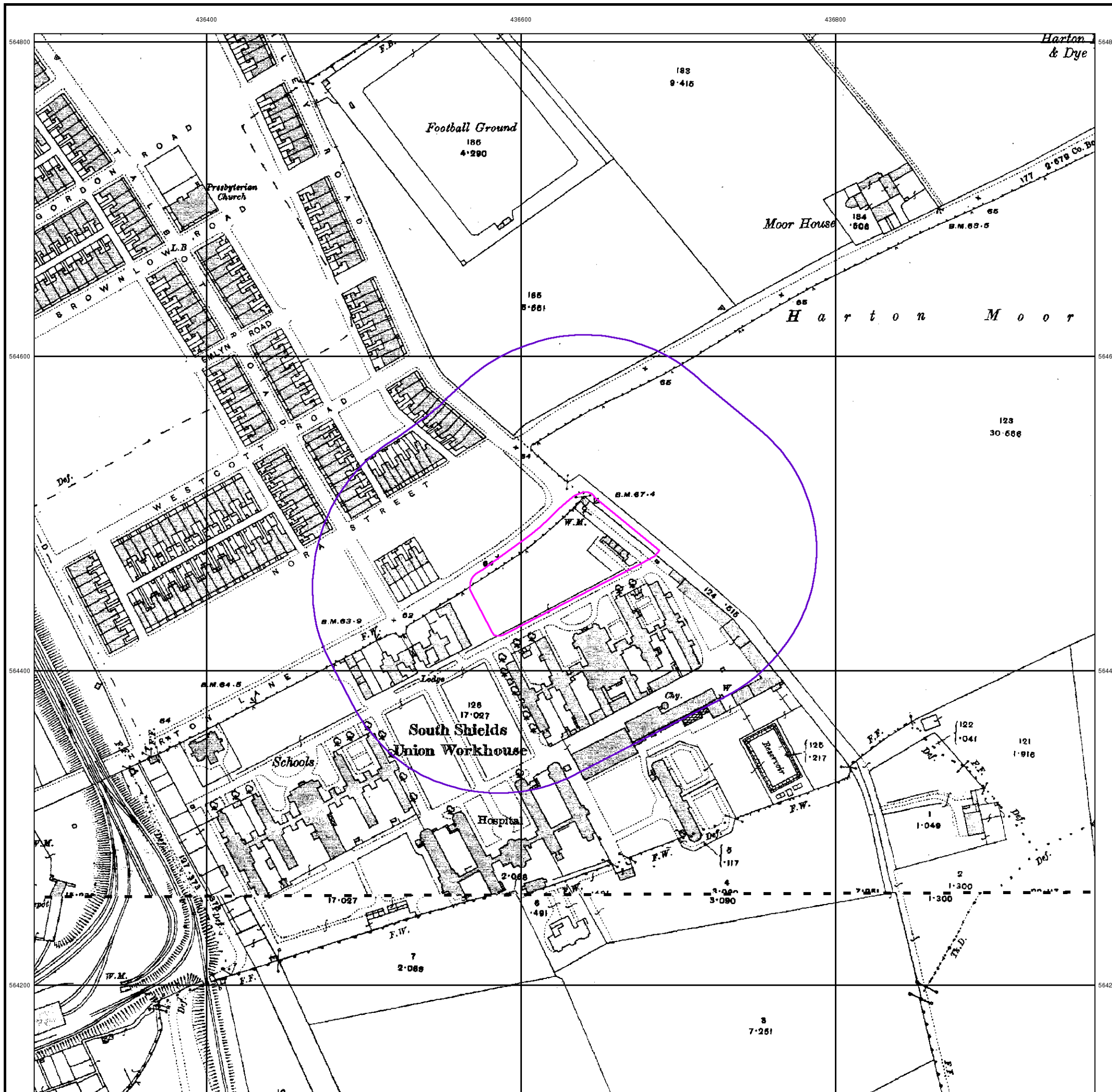


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 100

### Site Details

162, Harton Lane, South Shields, NE34 0PN





**Durham**

**Published 1921**

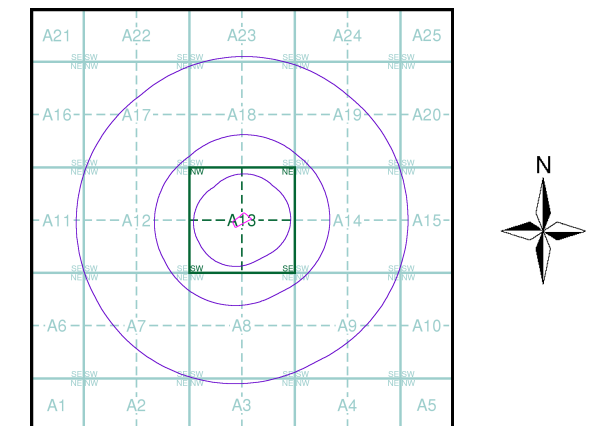
**Source map scale - 1:10,560**

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)**

003SE 1921 1:10,560	004SW 1921 1:10,560
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**Historical Map - Slice A**

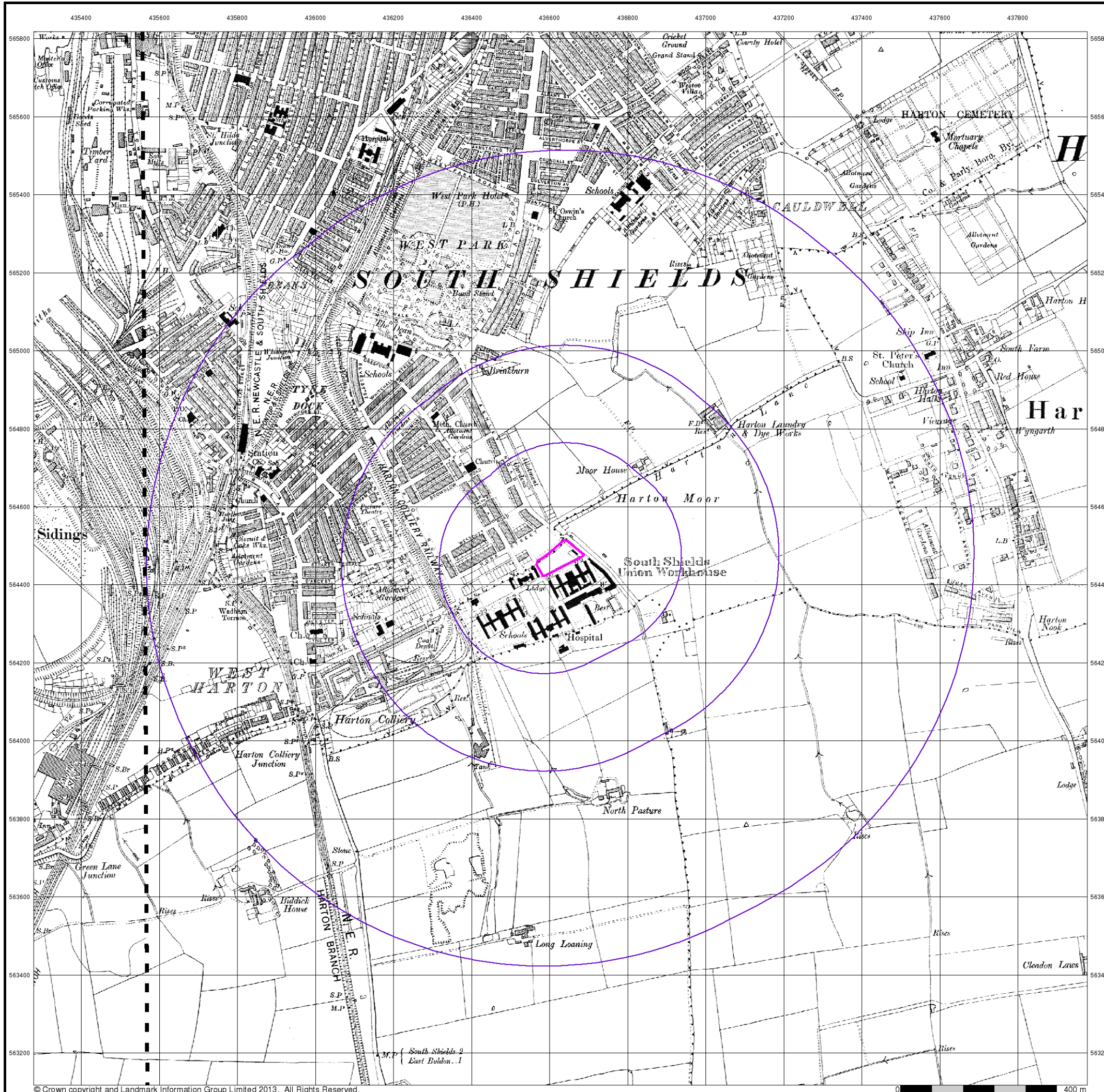


**Order Details**

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
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 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

**Site Details**

162, Harton Lane, South Shields, NE34 0PN





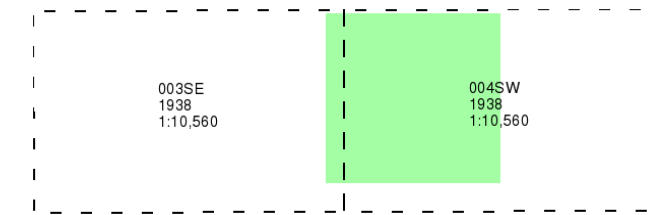
**Durham**

**Published 1938**

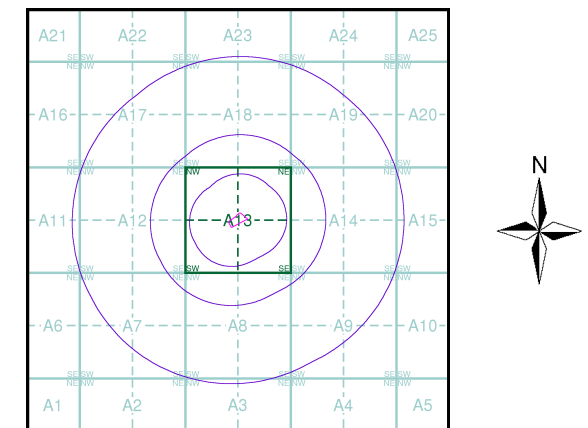
**Source map scale - 1:10,560**

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

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



**Historical Map - Slice A**

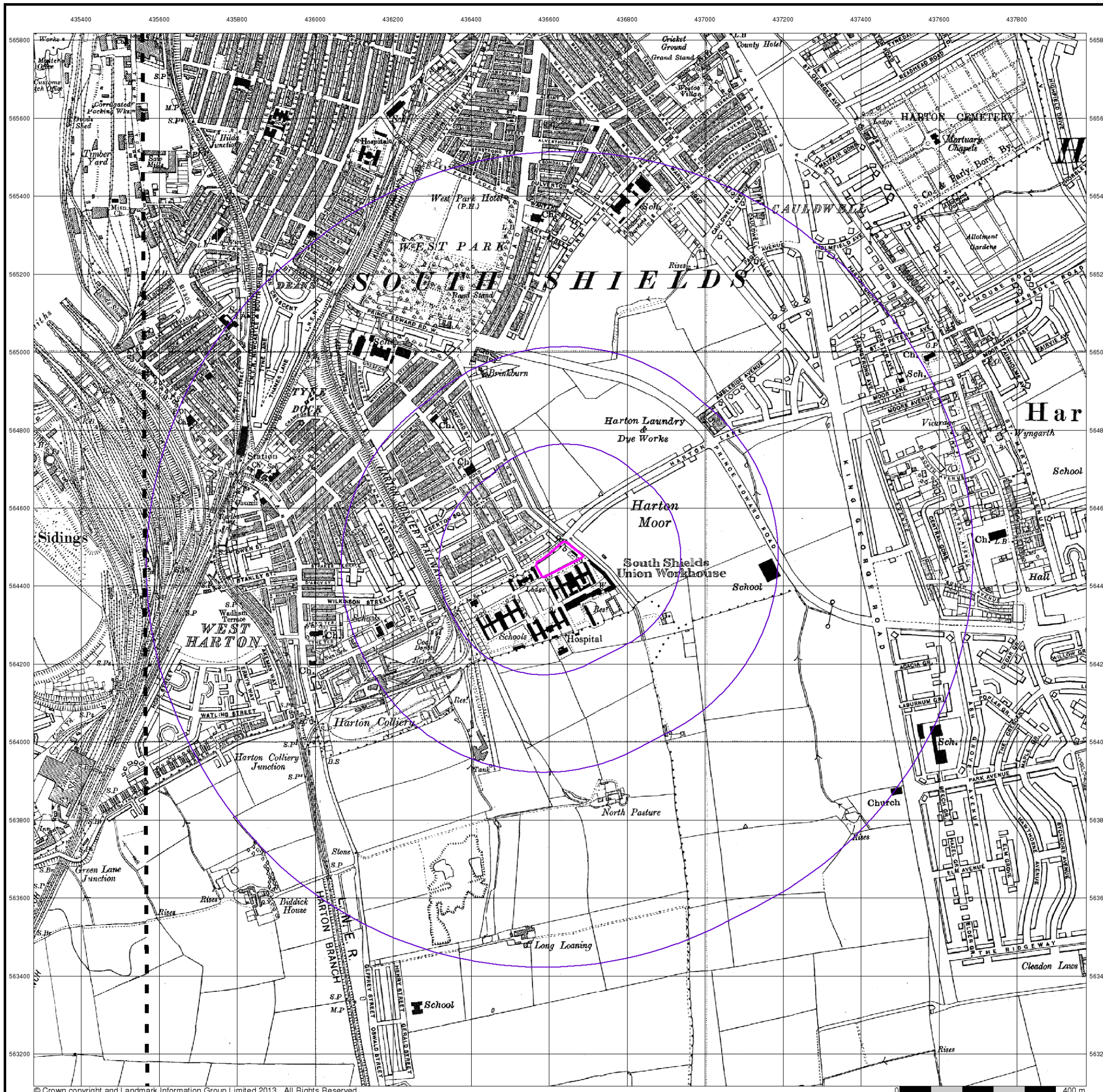


**Order Details**

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

**Site Details**

162, Harton Lane, South Shields, NE34 0PN





**Durham**

**Published 1942**

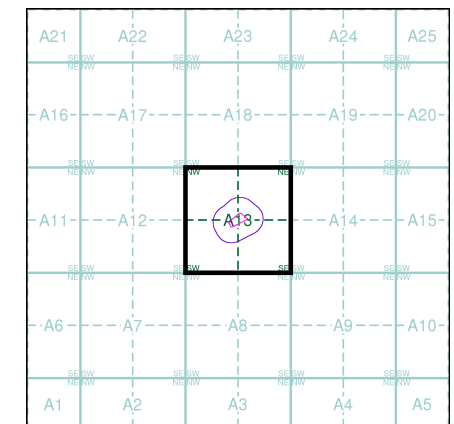
**Source map scale - 1:2,500**

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)**

004_09	1942	1:2,500
004_13	1942	1:2,500

**Historical Map - Segment A13**

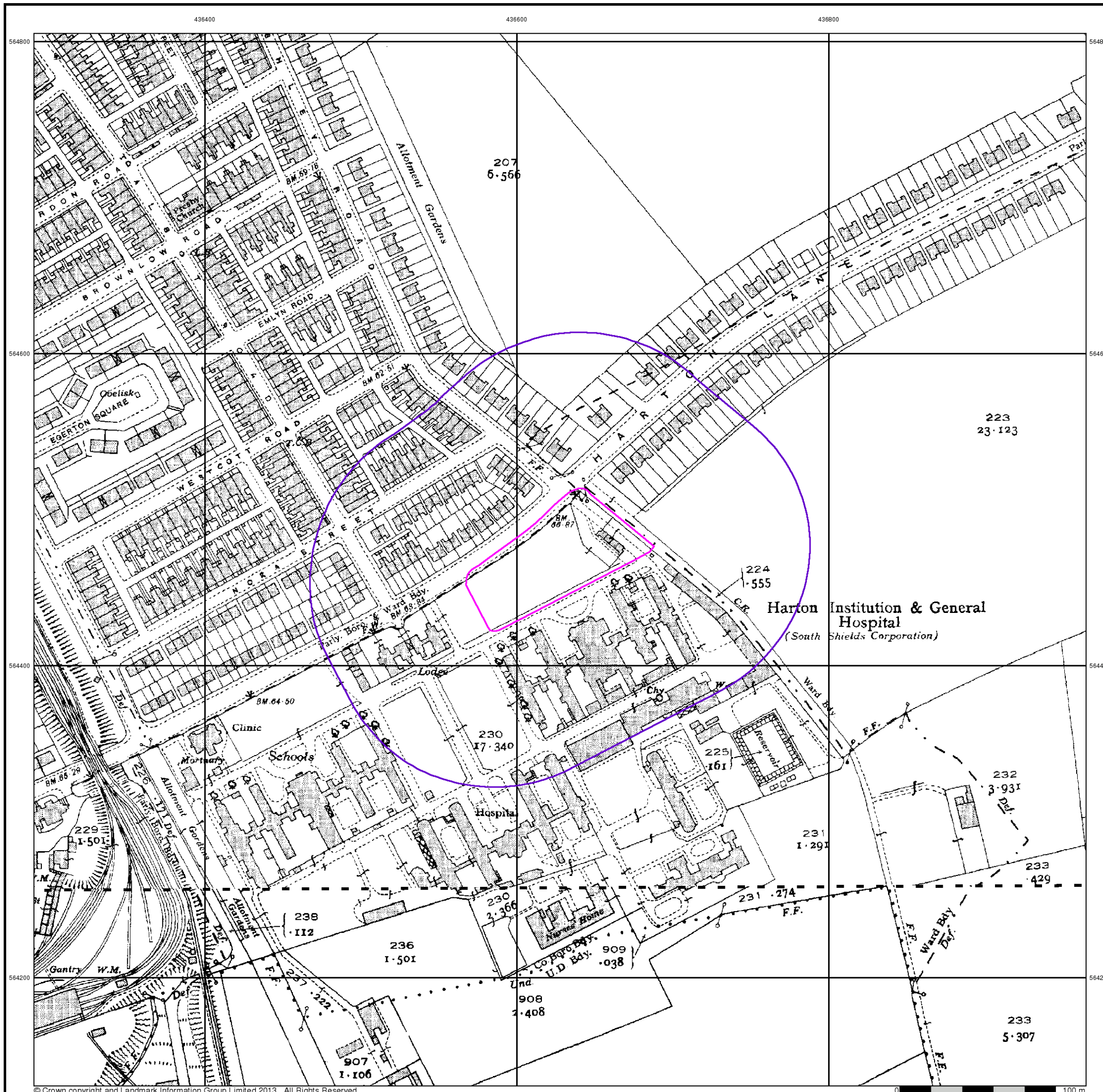


**Order Details**

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 100

**Site Details**

162, Harton Lane, South Shields, NE34 0PN





## Ordnance Survey Plan

Published 1951 - 1952

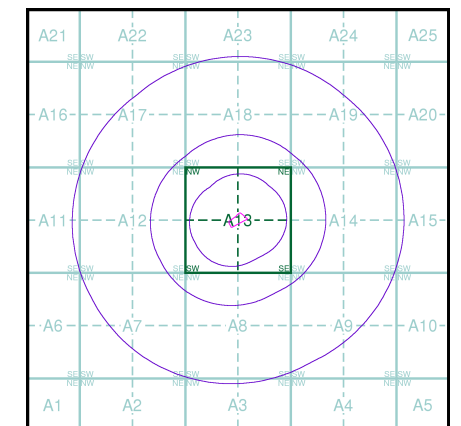
Source map scale - 1:10,000

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)

NZ36NE	1952	1:10,560
NZ36SE	1951	1:10,560

### Historical Map - Slice A



### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

### Site Details

162, Harton Lane, South Shields, NE34 0PN





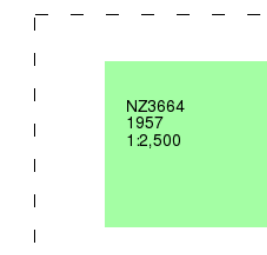
### Ordnance Survey Plan

Published 1957

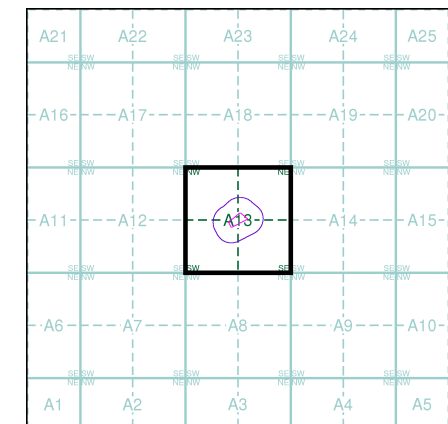
Source map scale - 1:2,500

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

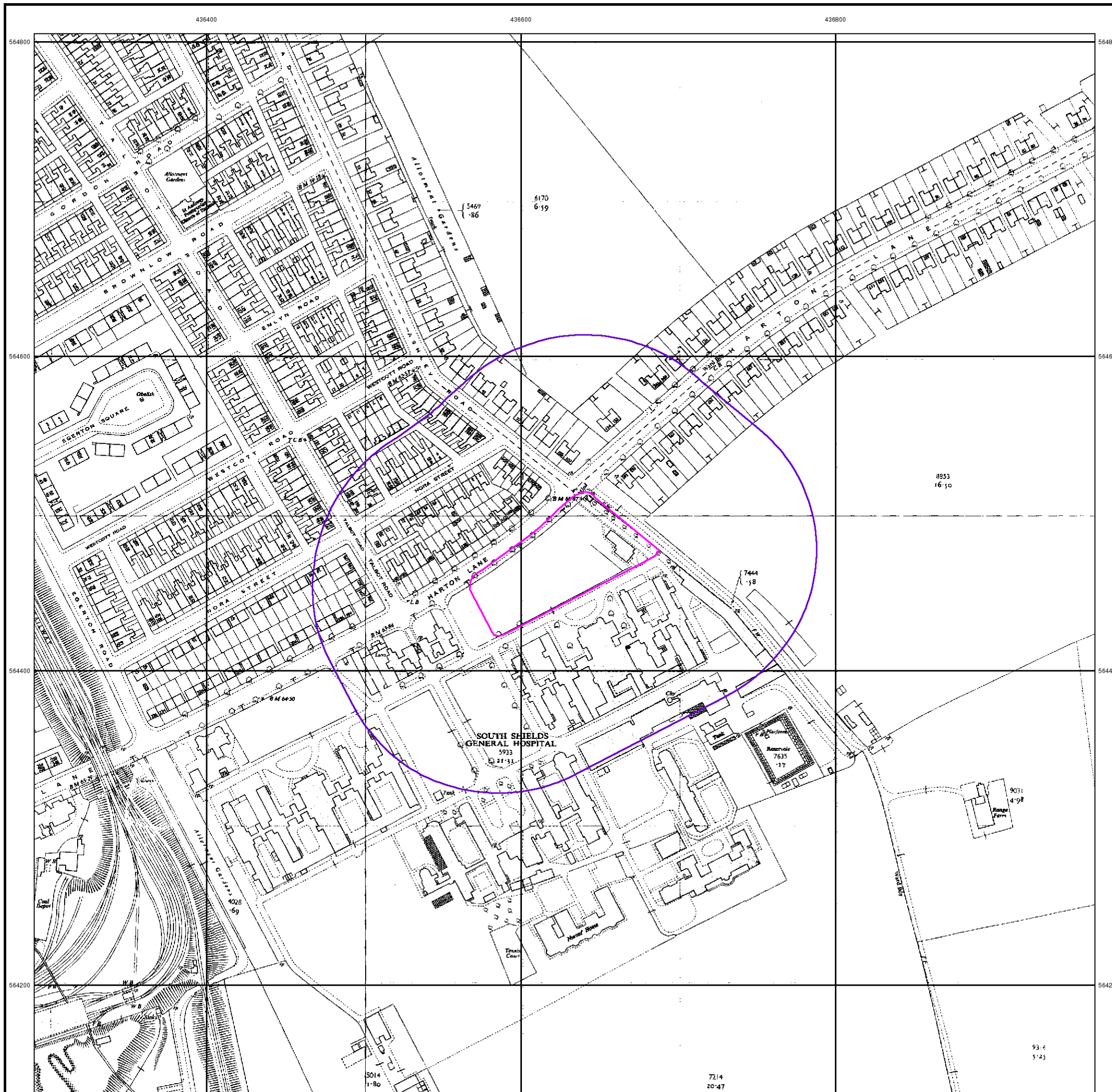


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 100

### Site Details

162, Harton Lane, South Shields, NE34 0PN





## Ordnance Survey Plan

Published 1966 - 1973

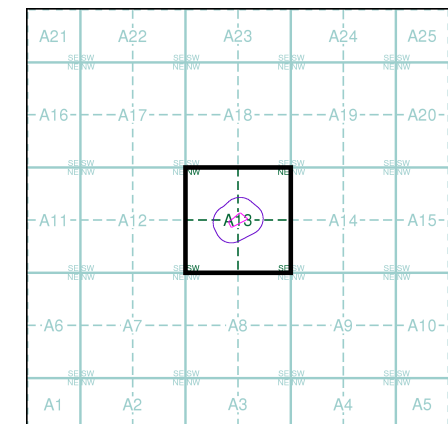
Source map scale - 1:1,250

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

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

NZ3664NW 1973 1:1,250	NZ3664NE 1966 1:1,250
NZ3664SW 1971 1:1,250	NZ3664SE 1966 1:1,250

### Historical Map - Segment A13

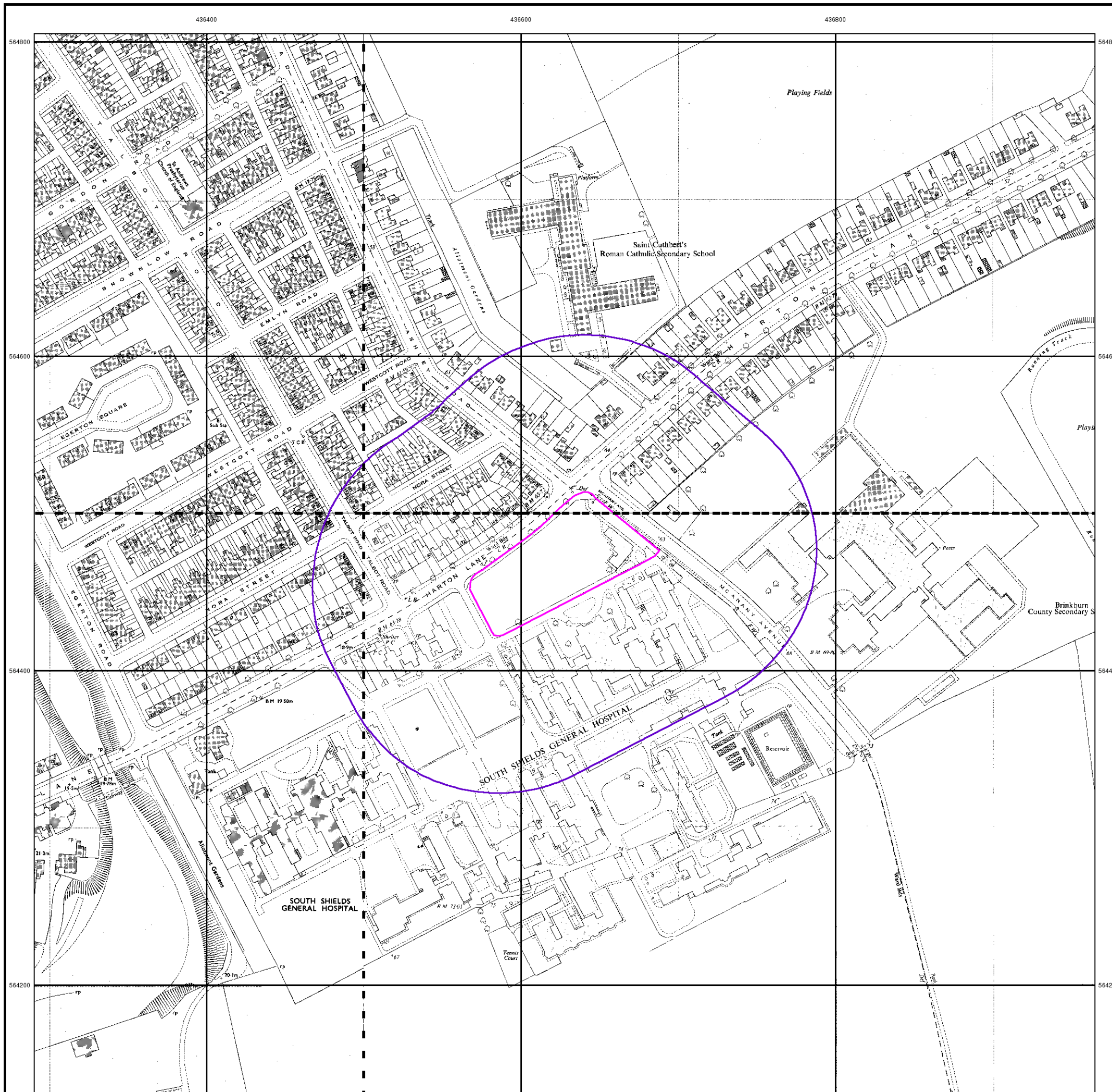


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 100

### Site Details

162, Harton Lane, South Shields, NE34 0PN





### Ordnance Survey Plan

Published 1976 - 1977

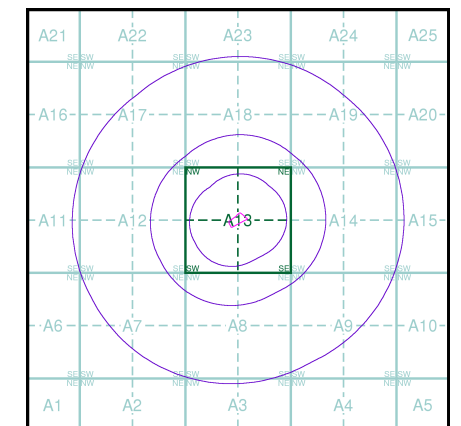
Source map scale - 1:10,000

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)

NZ36NE	1976	1:10,000
NZ36SE	1977	1:10,000

### Historical Map - Slice A

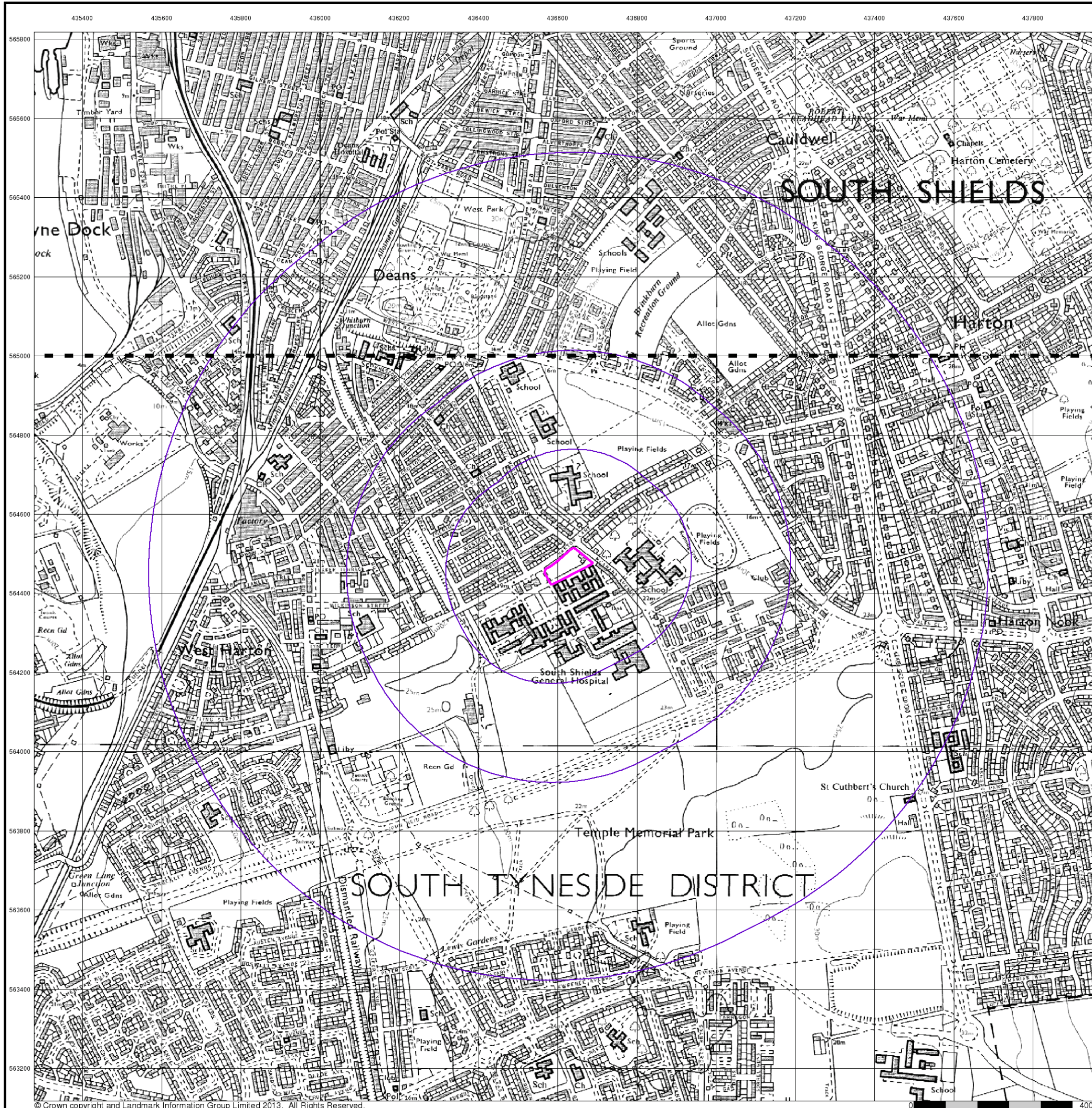


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

### Site Details

162, Harton Lane, South Shields, NE34 0PN









## Ordnance Survey Plan

Published 1986 - 1987

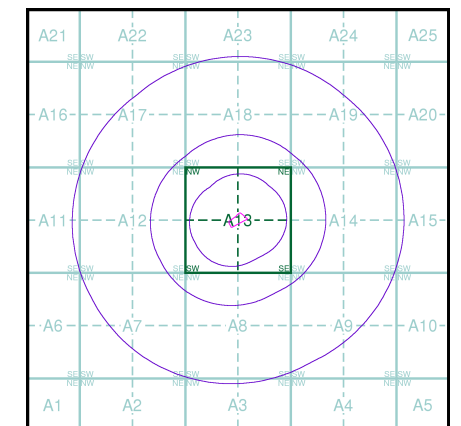
Source map scale - 1:10,000

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)

NZ36NE	1986	1:10,000
NZ36SE	1987	1:10,000

### Historical Map - Slice A

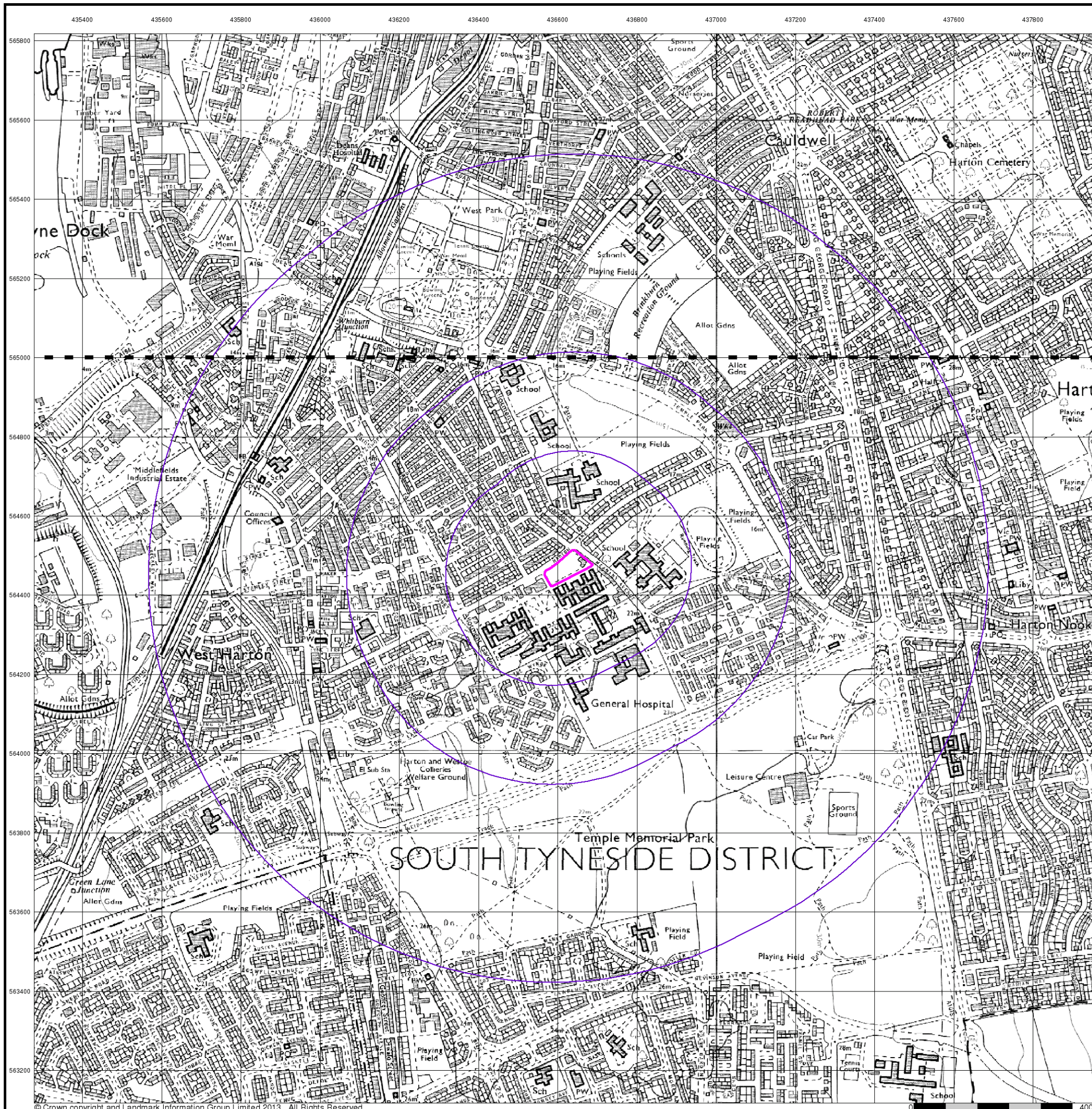


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

### Site Details

162, Harton Lane, South Shields, NE34 0PN





## Large-Scale National Grid Data

Published 1993

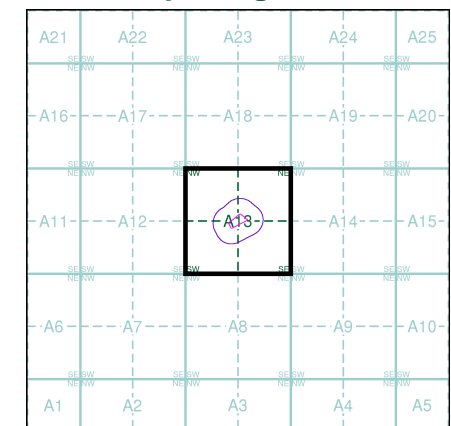
Source map scale - 1:1,250

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

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

NZ3664NW 1993 1:1,250	NZ3664NE 1993 1:1,250
NZ3664SW 1993 1:1,250	NZ3664SE 1993 1:1,250

### Historical Map - Segment A13

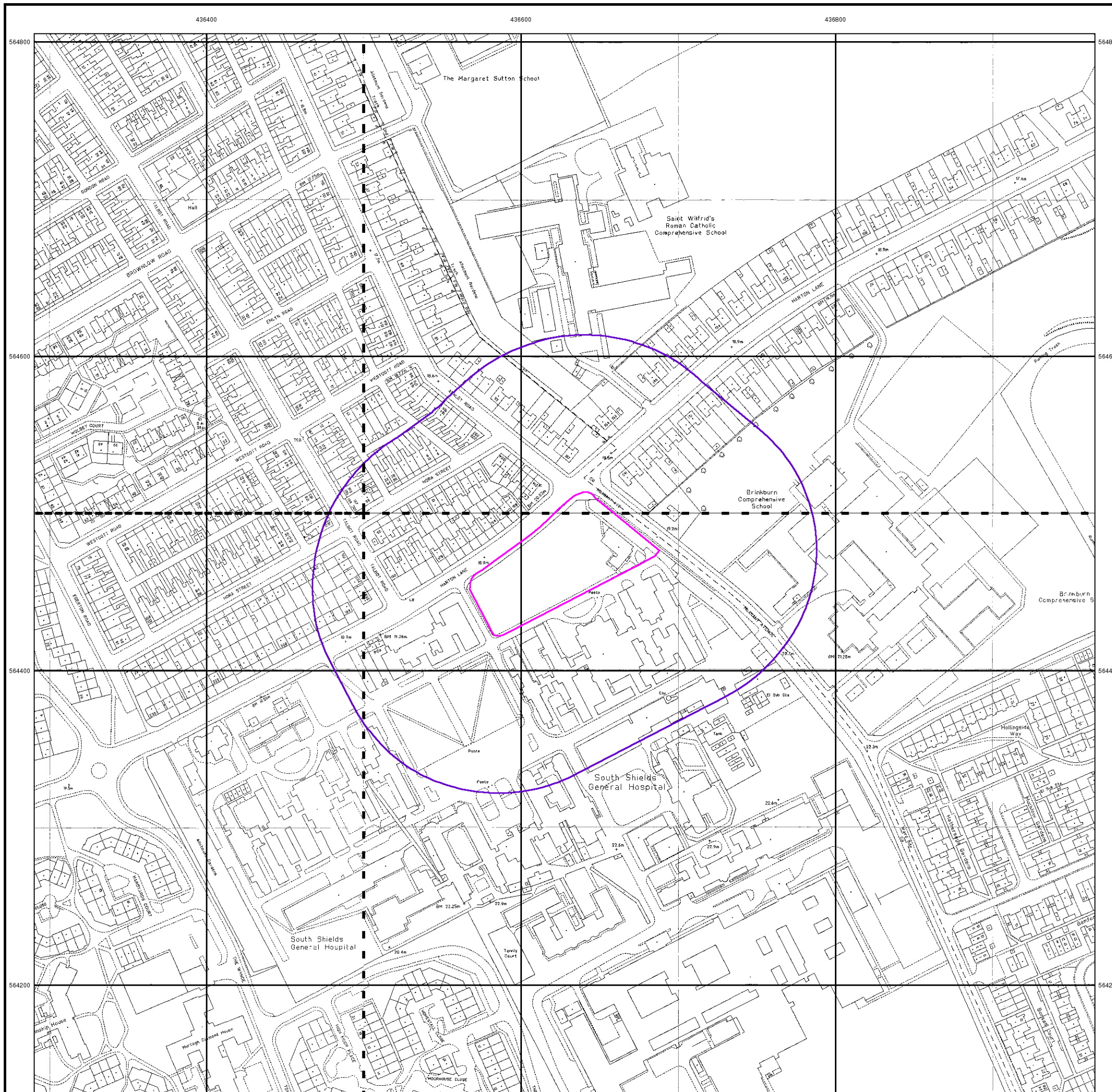


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 100

### Site Details

162, Harton Lane, South Shields, NE34 0PN





### 10k Raster Mapping

Published 2006

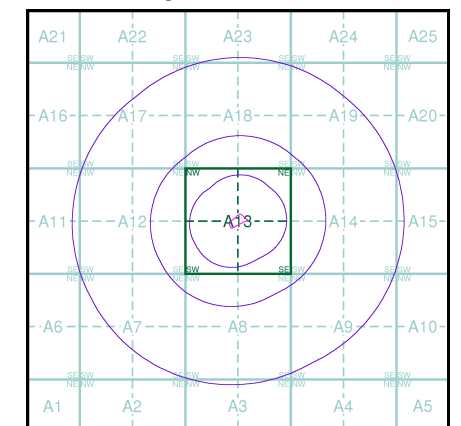
Source map scale - 1:10,000

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

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

NZ36NE	2006	1:10,000
NZ36SE	2006	1:10,000

#### Historical Map - Slice A



#### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

#### Site Details

162, Harton Lane, South Shields, NE34 0PN



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## VectorMap Local

Published 2014

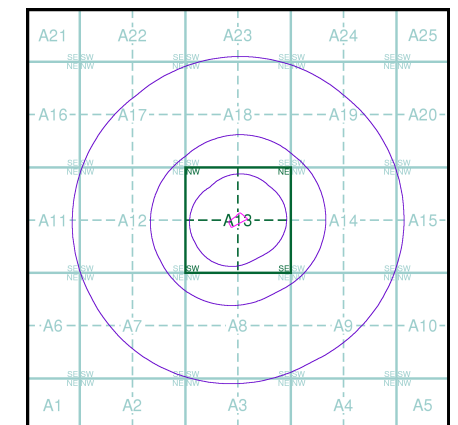
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

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

NZ36NE	2014	Variable
NZ36SE	2014	Variable

### Historical Map - Slice A

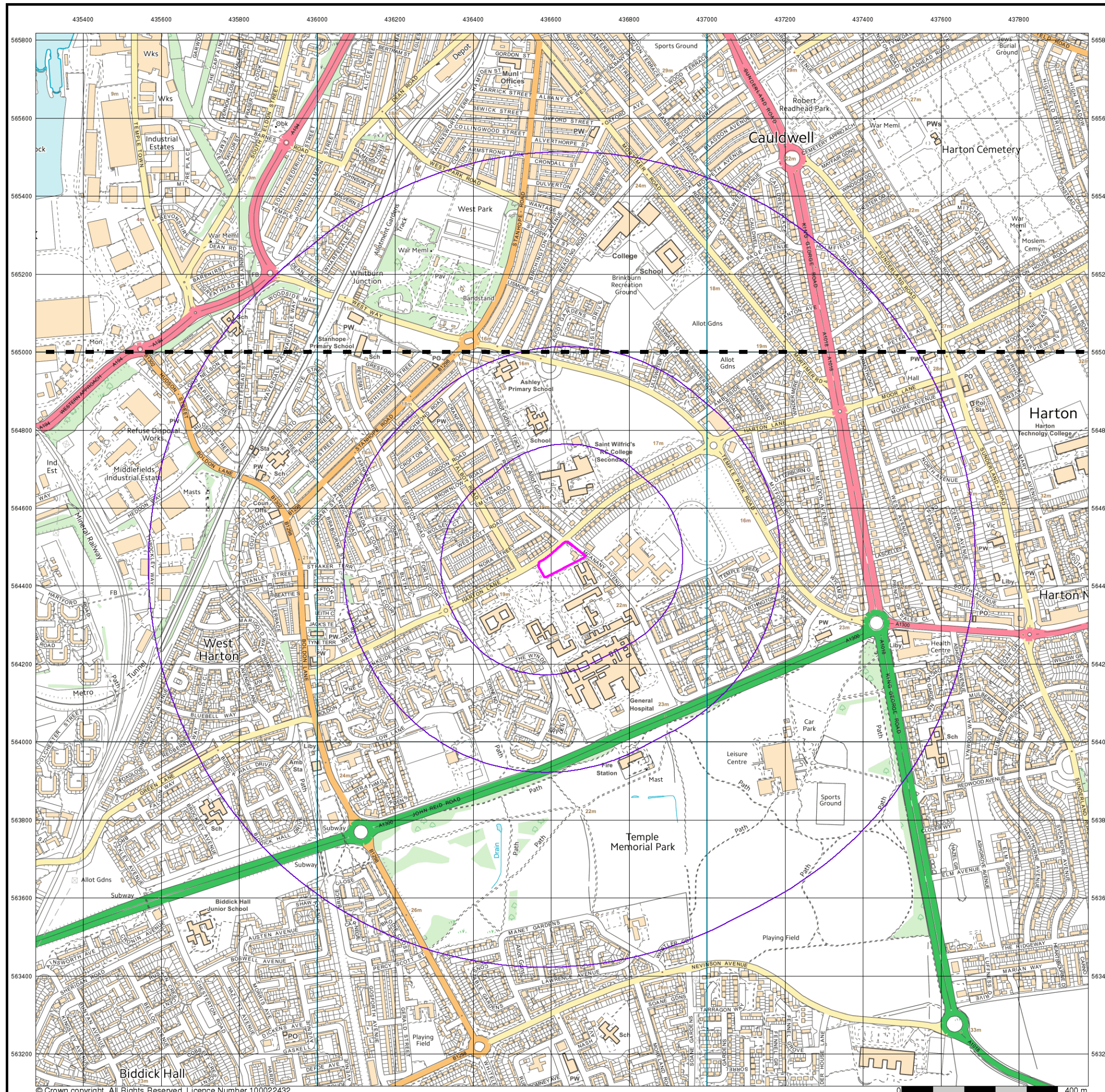


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

### Site Details

162, Harton Lane, South Shields, NE34 0PN





## APPENDIX C

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

59652600\_1\_1

**Customer Reference:**

S140408

**National Grid Reference:**

436630, 564470

**Slice:**

A

**Site Area (Ha):**

0.54

**Search Buffer (m):**

1000

#### Site Details:

162, Harton Lane

South Shields

NE34 0PN

#### Client Details:

Mr R Woods

Solmek Ltd

12 Yarm Road

Stockton on Tees

Cleveland

TS18 3NA

<b>Report Section</b>	<b>Page Number</b>
<b>Summary</b>	-
<b>Agency &amp; Hydrological</b>	<b>1</b>
<b>Waste</b>	<b>5</b>
<b>Hazardous Substances</b>	-
<b>Geological</b>	<b>10</b>
<b>Industrial Land Use</b>	<b>27</b>
<b>Sensitive Land Use</b>	-
<b>Data Currency</b>	<b>32</b>
<b>Data Suppliers</b>	<b>37</b>
<b>Useful Contacts</b>	<b>38</b>

#### **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 the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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#### **Report Version v49.0**

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
Contaminated Land Register Entries and Notices					
Discharge Consents					
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 1		1		4
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1				Yes
Pollution Incidents to Controlled Waters	pg 1		1		
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 2		9	1	
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability	pg 3	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Source Protection Zones	pg 4				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
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage					n/a



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 5			3	2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 6		1		3
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 7				5
Registered Waste Transfer Sites	pg 9		1		1
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 10	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 10	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 25				4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 26	Yes	n/a	n/a	n/a
Mining Instability	pg 26	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 26	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 26	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

<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m</b>	<b>501 to 1000m (*up to 2000m)</b>
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 27		3	3	41
Fuel Station Entries	pg 31				3
<b>Sensitive Land Use</b>					
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					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: South Tyneside District Hospital            Location: Harton Lane, SOUTH SHIELDS, Tyne and Wear, NE34 0PL            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: 003/5.1(A)            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG5/1 Clinical waste incineration processes under 1 tonne an hour  <b>Status: Authorisation revoked</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SW (S)	136	2	436595 564287
2	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Boldon Lane Service Station            Location: Boldon Lane, SOUTH SHIELDS, Tyne and Wear, NE34 0NB            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: STC/010/1.2(d)/PtB            Dated: 14th June 1999            Process Type: Local Authority Pollution Prevention and Control            Description: PG1/14 Petrol filling station  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A7NE (SW)	771	2	436019 563898
3	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Lynch Motors Ltd            Location: West Way, SOUTH SHIELDS, Tyne and Wear, NE33 4SR            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: 055/1.4(B)            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG1/14 Petrol filling station  <b>Status: Application Not Yet Authorised</b>            Positional Accuracy: Automatically positioned to the address</p>	A17NE (NW)	828	2	436105 565148
4	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Three Mile Garage            Location: 8-10 Moor Lane, SOUTH SHIELDS, Tyne and Wear, NE34 6BZ            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: STC/007/1.2(d)/B            Dated: 24th November 1999            Process Type: Local Authority Pollution Prevention and Control            Description: PG1/14 Petrol filling station  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19SE (NE)	973	2	437562 564903
5	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: South Tyneside MbcTransport Section            Location: Middlefields Depot, Throckley Way, Tyne Dock, SOUTH SHIELDS, Tyne and Wear, NE34 0NU            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: 073/1.4(B)            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG1/14 Petrol filling station  <b>Status: Application Not Yet Authorised</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A11NE (W)	993	2	435575 564482
	<b>Nearest Surface Water Feature</b>	A8NE (S)	605	-	436812 563861
6	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Highway/Car Park            Location: 174 Harton Lane, SOUTH SHIELDS            Authority: Environment Agency, North East Region            Pollutant: Not Given            Note: Sw Drain            Incident Date: 11th December 1991            Incident Reference: 235/000986            Catchment Area: Not Given            Receiving Water: Not Given            Cause of Incident: Transport Accident (Not Oil)            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	220	3	436400 564600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p><b>Registered Radioactive Substances</b></p> <p>Name: South Tyneside Nhs Foundation Trust            Location: South Tyneside District Hospital, Harton Lane, SOUTH SHIELDS, Tyne And Wear, NE34 0PL            Authority: Environment Agency, North East Region            Permit Reference: AV6523            Dated: 5th July 1996            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Minor variation to authorisation under RSA  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Unknown</p>	A13SW (S)	130	3	436596 564293
7	<p><b>Registered Radioactive Substances</b></p> <p>Name: South Tyneside Nhs Foundation Trust            Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne and Wear, NE34 0PL            Authority: Environment Agency, North East Region            Permit Reference: CA7209            Dated: 9th September 2006            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Minor variation to authorisation under RSA  <b>Status: Application has been authorised and any conditions apply to the operatorAuthorised</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (S)	135	3	436591 564288
7	<p><b>Registered Radioactive Substances</b></p> <p>Name: South Tyneside Nhs Foundation Trust            Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne And Wear, NE34 0PL            Authority: Environment Agency, North East Region            Permit Reference: By9957            Dated: 17th May 2005            Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)            Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation  <b>Status: Application has been authorised and any conditions apply to the operatorAuthorised</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (S)	135	3	436591 564288
7	<p><b>Registered Radioactive Substances</b></p> <p>Name: South Tyneside Nhs Foundation Trust            Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne And Wear, NE34 0PL            Authority: Environment Agency, North East Region            Permit Reference: By4416            Dated: 10th November 2004            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Minor variation to authorisation under RSA  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (S)	135	3	436591 564288
7	<p><b>Registered Radioactive Substances</b></p> <p>Name: South Tyneside Nhs Foundation Trust            Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne And Wear, NE34 0PL            Authority: Environment Agency, North East Region            Permit Reference: Bu5011            Dated: 30th April 2003            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Minor variation to authorisation under RSA  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (S)	135	3	436591 564288



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p><b>Registered Radioactive Substances</b></p> <p>Name: South Tyneside Nhs Foundation Trust            Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne And Wear, NE34 0PL            Authority: Environment Agency, North East Region            Permit Reference: Bk7846            Dated: 2nd October 2001            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Minor variation to authorisation under RSA  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (S)	135	3	436591 564288
7	<p><b>Registered Radioactive Substances</b></p> <p>Name: South Tyneside Nhs Foundation Trust            Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne And Wear, NE34 0PL            Authority: Environment Agency, North East Region            Permit Reference: Bj4671            Dated: 24th October 2000            Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)            Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (S)	135	3	436591 564288
7	<p><b>Registered Radioactive Substances</b></p> <p>Name: South Tyneside Nhs Foundation Trust            Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne And Wear, NE34 0PL            Authority: Environment Agency, North East Region            Permit Reference: AJ6246            Dated: 31st December 1993            Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)            Description: Registration under the Act of multiple open sources which are also the subject of authorisations  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (S)	135	3	436591 564288
7	<p><b>Registered Radioactive Substances</b></p> <p>Name: South Tyneside Nhs Foundation Trust            Location: South Tyneside District Hospital, Harton Lane, SOUTH SHIELDS, Tyne And Wear, NE34 0PL            Authority: Environment Agency, North East Region            Permit Reference: AJ8311            Dated: 31st December 1993            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Authorisation under RSA  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Unknown</p>	A13SW (S)	140	3	436596 564283
8	<p><b>Registered Radioactive Substances</b></p> <p>Name: South Tyneside Nhs Foundation Trust            Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne And Wear, NE34 0PL            Authority: Environment Agency, North East Region            Permit Reference: By9949            Dated: 15th June 2005            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Minor variation to authorisation under RSA  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	267	3	436745 564204
	<p><b>Groundwater Vulnerability</b></p> <p>Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise            Map Sheet: Sheet 5 Tyne and Tees            Scale: 1:100,000</p>	A13SW (NE)	0	3	436625 564466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Drift Deposits</b> Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 5 Tyne and Tees Scale: 1:100,000	A13SW (NE)	0	3	436625 564466
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13SW (NE)	0	4	436625 564466
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A13SW (NE)	0	4	436625 564466
9	<b>Source Protection Zones</b> Name: Cleadon Source: Environment Agency, Head Office Reference: Ne029 Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A15NW (E)	988	3	437671 564565
	<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				
	<b>Detailed River Network Lines</b> None				
	<b>Detailed River Network Offline Drainage</b> None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Borough Of South Tyneside            Location: John Reid Road, South Shield, Tyne and Wear            Name: Temple Memorial Park No.1            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD06272            First Input Date: 1st January 1957            Last Input Date: 1st January 1994            Specified Waste Deposited Waste included Inert, Industrial, Commercial and Household Waste            Type:            EA Waste Ref: 0            Regis Ref: YO1/L/BOR004            WRC Ref: 4500/0035            BGS Ref: Not Supplied            Other Ref: TW 111 ST ST 039, TW 032 ST, ST 006</p>	A8NE (SE)	474	3	436816 564008
11	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Borough Of South Tyneside            Location: Temple Park, South Shield, Tyne and Wear            Name: Temple Park No.2            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD06275            First Input Date: 1st January 1950            Last Input Date: Not Supplied            Specified Waste Deposited Waste included Inert, Industrial and Commercial Waste            Type:            EA Waste Ref: 0            Regis Ref: YO1/L/BOR016            WRC Ref: Not Supplied            BGS Ref: Not Supplied            Other Ref: TW 105 ST, TW 124 ST, ST 041, ST 037</p>	A8NE (SE)	474	3	436816 564008
12	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Not Supplied            Location: Nevinston Avenue, Whiteleas            Name: Temple Park No.3            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD06276            First Input Date: Not Supplied            Last Input Date: Not Supplied            Specified Waste Deposited Waste included Industrial, Commercial and Household Waste            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: Not Supplied            BGS Ref: Not Supplied            Other Ref: ST 019</p>	A8NE (SE)	474	3	436816 564008
13	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Not Supplied            Location: Olive Street, West Harton            Name: Olive Street            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD06271            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: Not Supplied            BGS Ref: Not Supplied            Other Ref: ST 033</p>	A17SE (NW)	608	3	436101 564846
14	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Borough Of South Tyneside            Location: South Shield, Tyne and Wear            Name: Westway            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD06270            First Input Date: 31st December 1982            Last Input Date: 31st December 1983            Specified Waste Deposited Waste included Inert Waste            Type:            EA Waste Ref: 0            Regis Ref: YO1/L/BOR017            WRC Ref: 4500/0294            BGS Ref: Not Supplied            Other Ref: TW 106 ST, ST 036</p>	A17SE (NW)	905	3	435974 565141

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 67001            Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne &amp; Wear, NE34 OPL            Operator Name: South Tyneside Health Care Trust            Operator Location: Not Supplied            Authority: Environment Agency - North East Region, North East Area            Site Category: Clinical Waste Transfer Stations  <b>Licence Status: Surrendered</b>            Issued: 30th September 1992            Last Modified: 30th September 1992            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: 7th September 1999            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A13SE (SE)	72	3	436700 564400
16	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 0            Location: Land On Temple Memorial Park, Adj To John Reid Road, South Shields, Tyne &amp; Wear            Operator Name: Borough Of South Tyneside            Operator Location: Central Library Buildings, Catherine Street, South Shields, Tyne &amp; Wear, NE33 2PE            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Household, Commercial And Industrial Waste Landfills  <b>Licence Status: Surrendered</b>            Issued: 5th October 1977            Last Modified: Not Supplied            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: 31st October 1978            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A8SE (S)	753	3	436800 563700
16	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 64444            Location: Land On Temple Memorial Park, Adj To John Reid Road, South Shields, Tyne &amp; Wear            Operator Name: Borough Of South Tyneside            Operator Location: Not Supplied            Authority: Environment Agency - North East Region, North East Area            Site Category: Household, Commercial And Industrial Waste Landfills  <b>Licence Status: Surrendered</b>            Issued: 5th October 1977            Last Modified: Not Supplied            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: 31st October 1978            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A8SE (S)	753	3	436800 563700
17	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 64149            Location: Land/premises At, Throckley Way, Middlefields Ind Est, South Shields, Tyne &amp; Wear, NE34 0NU            Operator Name: Sita U K Ltd            Operator Location: Not Supplied            Authority: Environment Agency - North East Region, North East Area            Site Category: Household Waste Amenity Sites  <b>Licence Status: Transferred</b>            Issued: 21st July 2005            Last Modified: Not Supplied            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: Not Supplied            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A11SE (W)	980	3	435600 564300
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: South Tyneside Metropolitan Borough Council            - Has no landfill data to supply</p>		0	7	436625 564466



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: South Tyneside B.C.            Licence Reference: TW 124 ST            Site Location: Temple Memorial Park, South Shields, Tyne And Wear            Licence Easting: 437000            Licence Northing: 563700            Operator Location: Town Hall, South Shields, Tyne And Wear            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Landfill            Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence known to be surrenderedSurrendered            Dated: 19th April 1984            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Tyne And Wear C, Renfrew C *            Tyne And Wear D I, Renfrew D I, *            Tyne And Wear D li, Renfrew D li, *            Tyne And Wear E, Renfrew E *            Environment Agency Waste N.O.S            must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	A9SW (SE)	831	3	437000 563700
18	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: South Tyneside B.C.            Licence Reference: TW 111 ST            Site Location: Temple Memorial Park, South Shields, Tyne And Wear            Licence Easting: 437000            Licence Northing: 563700            Operator Location: Town Hall, South Shields, Tyne And Wear            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Landfill            Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence known to be surrenderedSurrendered            Dated: 21st September 1983            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Inert Non-Soluble Waste            Rock From Excavated Clay Stratum            Tyne And Wear C, Renfrew C *            Tyne And Wear D I, Renfrew D I, *            Tyne And Wear D li, Renfrew D li *            Tyne And Wear E, Renfrew E, *</p>	A9SW (SE)	831	3	437000 563700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Borough Of South Tyneside            Licence Reference: TW 105 ST            Site Location: Temple Memorial Park, South Shields, Tyne And Wear            Licence Easting: 437000            Licence Northing: 563700            Operator Location: As Site Address            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Landfill            Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st February 1983            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Max.Waste Permitted By Licence-Stated            Rock            Tyne And Wear C -Rubble *            Tyne And Wear Di -Coh.Inorg *            Tyne And Wear Dii -Coh.Inorg *            Tyne And Wear E -FRICT.Inorg *</p>	A9SW (SE)	831	3	437000 563700
18	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Borough Of South Tyneside            Licence Reference: TW 32 ST            Site Location: Temple Memorial Park, South Shields, Tyne And Wear            Licence Easting: 437000            Licence Northing: 563700            Operator Location: As Site Address            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence known to be surrenderedSurrendered            Dated: 5th October 1977            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Tyne &amp; Wear B.-Dom/Com/Ind. *            Tyne And Wear C -Rubble *            Tyne And Wear Di -Coh.Inorg *            Tyne And Wear Dii -Coh.Inorg *            Tyne And Wear E -FRICT.Inorg *            Prohibited Waste: Putrescible Waste</p>	A9SW (SE)	831	3	437000 563700
19	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Borough Of South Tyneside            Licence Reference: TW 106 ST            Site Location: West Way / Woodside Way, South Shields, Tyne And Wear            Licence Easting: 435850            Licence Northing: 565150            Operator Location: As Site Address            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Landfill            Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence known to be surrenderedSurrendered            Dated: 23rd February 1983            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Max.Waste Permitted By Licence-Stated            Rock            Tyne And Wear C -Rubble *            Tyne And Wear Di -Coh.Inorg *            Tyne And Wear Dii -Coh.Inorg *            Tyne And Wear E -FRICT.Inorg *</p>	A17NW (NW)	997	3	435850 565150



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p><b>Registered Waste Transfer Sites</b></p> <p>Licence Holder: South Tyneside Health Care Trust            Licence Reference: TW 262 ST            Site Location: South Tyneside District Hospital, Harton Lane, SOUTH SHIELDS, Tyne and Wear, NE34 0PL            Operator Location: As Site Address            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Transfer            Max Input Rate: Very Small (Less than 10,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Licence Status: Licence has completion certificateSurrendered            Dated: 1st October 1991            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Approximate location provided by supplier            Boundary Quality: Not Supplied            Authorised Waste: Clinical - As In Coll/Disp.Reggs Of '88            Gen. Hosp./Dom./House'D On-Site Waste            Max.Waste Normally Less Than            Surplus Pharmaceutical Products            Prohibited Waste: Waste N.O.S.</p>	A13SE (SE)	72	3	436700 564400
21	<p><b>Registered Waste Transfer Sites</b></p> <p>Licence Holder: British Gas Plc (Northern)            Licence Reference: TW 314 ST            Site Location: Throckley Way, Middlefields Industrial Estate, SOUTH SHIELDS, Tyne and Wear, NE34 0NU            Operator Location: Benfield House, Benfield Road, NEWCASTLE UPON TYNE, Tyne and Wear, NE99 1NA            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Transfer            Max Input Rate: Very Small (Less than 10,000 tonnes per year)            Waste Source: Waste produced/controlled by licence holder            Restrictions:            Licence Status: Licence has completion certificateSurrendered            Dated: 5th November 1992            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the road within the address or location            Boundary Quality: Not Supplied            Authorised Waste: Difficult Wastes (As In Application)            Excav. Wastes From Const/Repair Work            Max.Waste Permitted By Licence            Prohibited Waste: Waste N.O.S.</p>	A11NE (W)	999	3	435570 564500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Westphalian Coal Measures	A13SW (NE)	0	4	436625 564466
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (NE)	0	5	436625 564466
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (E)	97	5	436772 564524
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (W)	173	5	436398 564421
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	266	5	436432 564204
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	298	5	436955 564608
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	300	5	436384 564199



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	312	5	437000 564466
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NW (E)	317	5	437000 564528
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	324	5	437000 564563
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	339	5	436959 564680
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NW (NE)	350	5	437000 564635
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	356	5	437039 564528

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	365	5	437000 564664
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SW)	368	5	436453 564079
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	393	5	436929 564787
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	423	5	436625 564000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	437	5	436473 564000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	442	5	437000 564789



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (SE)	474	5	436914 564058
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	484	5	437000 564105
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (N)	485	5	436545 564989
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	487	5	436625 565000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (N)	495	5	436551 565000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SE (N)	503	5	436768 565000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	518	5	436147 564758
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	524	5	436570 565033
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (SE)	528	5	436920 564000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (N)	547	5	436585 565057
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	548	5	436130 564786
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (NE)	555	5	436910 565000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	555	5	436120 564785
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	568	5	436000 564466
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	569	5	437000 564000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (NW)	591	5	436303 565000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	604	5	437000 565000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SE (N)	606	5	436733 565112

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17SE (NW)	619	5	436255 565000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	631	5	436115 564000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SW (NE)	637	5	437035 565015
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	655	5	436053 564861
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	657	5	436235 565032
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (W)	660	5	435945 564232



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SW (NE)	672	5	437000 565082
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	674	5	436425 563767
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17SE (NW)	693	5	436000 564854
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	711	5	436207 565079
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	720	5	436000 564000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	721	5	436013 564917

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	725	5	436159 565058
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	729	5	436522 565233
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	729	5	436523 565233
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	729	5	436161 565066
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17SE (NW)	733	5	436209 565108
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NE (SW)	733	5	435985 564000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	743	5	436000 564937
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	744	5	436170 565093
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	748	5	436609 565260
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NE (SW)	748	5	436000 563955
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	753	5	436407 565229
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	759	5	436417 565239

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	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	764	5	436683 565276
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	765	5	436404 565241
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (SW)	765	5	435867 564146
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	771	5	436776 565273
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	778	5	436010 565000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	783	5	435967 563939



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	785	5	436000 565000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	786	5	436000 563896
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	788	5	435918 564000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	796	5	436000 565015
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	817	5	435957 565000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	822	5	436527 565327

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	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	849	5	436571 565359
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	853	5	435723 564571
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	867	5	436625 565380
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	867	5	436617 565380
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NE (N)	869	5	436841 565358
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	904	5	435665 564400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	906	5	437590 564562
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	913	5	436000 563720
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	914	5	437561 564745
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	920	5	437574 564722
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	930	5	436000 565195
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	936	5	437493 564000

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	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	947	5	436060 563633
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	950	5	436742 565458
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	964	5	437557 564894
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	966	5	436804 565465
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	982	5	437449 563856
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A23SE (N)	987	5	436788 565489



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	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	993	5	437512 563922
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	994	5	437547 564975
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	999	5	437538 565000
22	<b>BGS Recorded Mineral Sites</b> Site Name: West Harton Brick Works Location: , West Harton, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99021 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SW (S)	770	4	436339 563693
23	<b>BGS Recorded Mineral Sites</b> Site Name: West Harton Brick & Tile Works Location: , Cleadon, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99007 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Pelaw Clay Member Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	850	4	435851 563990
24	<b>BGS Recorded Mineral Sites</b> Site Name: Fauld Brick Works Location: , West Harton, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99020 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Pelaw Clay Member Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SW (W)	876	4	435725 564212

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<b>BGS Recorded Mineral Sites</b> Site Name: Westoe Location: , Westoe, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99018 Type: Opencast Status: <b>Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	903	4	436519 565408
	<b>BGS Measured Urban Soil Chemistry</b> No data available				
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<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 (NE)	0	6	436625 564466
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (NE)	0	-	436625 564466
	<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 (NE)	0	4	436625 564466
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	436625 564466
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	436625 564466
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	436625 564466
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	436625 564466
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	436625 564466
	<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 (NE)	0	4	436625 564466
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	436625 564466



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<b>Contemporary Trade Directory Entries</b> Name: South Tyneside District Hospital Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne and Wear, NE34 0PL Classification: Hospitals <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (S)	135	-	436591 564288
26	<b>Contemporary Trade Directory Entries</b> Name: South Tyneside Nhs Foundation Trust Location: South Tyneside District Hospital, Harton Lane, South Shields, Tyne and Wear, NE34 0PL Classification: Hospitals <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A13SW (S)	135	-	436591 564288
27	<b>Contemporary Trade Directory Entries</b> Name: Rae'S Cleaning Services Location: 82, Nora Street, South Shields, Tyne and Wear, NE34 0RB Classification: Carpet, Curtain & Upholstery Cleaners <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (W)	170	-	436398 564455
28	<b>Contemporary Trade Directory Entries</b> Name: Deadline Location: 36, Egerton Road, South Shields, Tyne and Wear, NE34 0QH Classification: Pest & Vermin Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (W)	355	-	436249 564612
29	<b>Contemporary Trade Directory Entries</b> Name: South Shields Printing Location: 39 Westell Rd, South Shields, Tyne And Wear, NE33 4UL Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	496	-	436532 564997
30	<b>Contemporary Trade Directory Entries</b> Name: Acc Milk Location: Stanhope Road, South Shields, Tyne and Wear, NE33 4TB Classification: Dairies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (NW)	498	-	436155 564734
31	<b>Contemporary Trade Directory Entries</b> Name: The Paint Spot Location: Rear Of, 196, Stanhope Road, South Shields, Tyne and Wear, NE33 4ST Classification: Painting & Decorating Supplies <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	557	-	436236 564906
32	<b>Contemporary Trade Directory Entries</b> Name: A M & B Wilson Ltd Location: 4, Straker Terrace, South Shields, Tyne and Wear, NE34 0JX Classification: Fireplaces & Mantelpieces <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (W)	570	-	435998 564434
33	<b>Contemporary Trade Directory Entries</b> Name: Whitehall Garage Location: Whitehall Street, South Shields, Tyne and Wear, NE33 4SU Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17SE (NW)	591	-	436110 564830
34	<b>Contemporary Trade Directory Entries</b> Name: Radiant Blinds Location: 49, Boldon Lane, South Shields, Tyne and Wear, NE34 0AR Classification: Blinds, Awnings & Canopies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NE (W)	611	-	435960 564508
34	<b>Contemporary Trade Directory Entries</b> Name: Sunshine Location: 49, Boldon Lane, South Shields, Tyne and Wear, NE34 0AR Classification: Blinds, Awnings & Canopies <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A12NE (W)	611	-	435960 564508

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<b>Contemporary Trade Directory Entries</b> Name: Vortexclean Uk Location: 104, Reading Road, South Shields, Tyne and Wear, NE33 4SG Classification: Commercial Cleaning Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	617	-	436566 565126
36	<b>Contemporary Trade Directory Entries</b> Name: The Canopy Co Location: 73, Vine Street, South Shields, Tyne and Wear, NE33 4RG Classification: Blinds, Awnings & Canopies <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12NE (NW)	637	-	436001 564748
37	<b>Contemporary Trade Directory Entries</b> Name: Tyne & Wear Heating Services Location: 207, Stanhope Road, South Shields, Tyne and Wear, NE33 4RT Classification: Central Heating Supplies & Equipment <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18SW (N)	640	-	436478 565132
38	<b>Contemporary Trade Directory Entries</b> Name: A Wheeler Location: 20, Beattie Street, South Shields, Tyne and Wear, NE34 0NJ Classification: Telecommunications Equipment & Systems <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SW (W)	657	-	435913 564390
39	<b>Contemporary Trade Directory Entries</b> Name: Boldon Lane Service Station Location: Boldon La, South Shields, Tyne & Wear, NE34 0NB Classification: Petrol Filling Stations - 24 Hour <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	701	-	435999 564036
40	<b>Contemporary Trade Directory Entries</b> Name: Walter Metcalfe Location: Boldon Lane, South Shields, Tyne and Wear, NE33 4RE Classification: Wallpapers & Wall Coverings <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	735	-	435867 564675
41	<b>Contemporary Trade Directory Entries</b> Name: D I L S Car Sales Location: Boldon La, South Shields, Tyne And Wear, NE34 0NB Classification: Car Dealers <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	772	-	435990 563929
42	<b>Contemporary Trade Directory Entries</b> Name: Lease Direct Motor Dealerships Ltd Location: Boldon Lane, South Shields, Tyne and Wear, NE34 0NB Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	821	-	436040 563807
43	<b>Contemporary Trade Directory Entries</b> Name: Lynch Motors Ltd Location: West Way, South Shields, Tyne and Wear, NE33 4SP Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	828	-	436106 565148
43	<b>Contemporary Trade Directory Entries</b> Name: Lynch Motors Of Parkside Ltd Location: West Way, South Shields, Tyne and Wear, NE33 4SP Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	828	-	436106 565148
44	<b>Contemporary Trade Directory Entries</b> Name: Streetwise Distribution Location: 110, Biddick Hall Drive, South Shields, Tyne and Wear, NE34 0TW Classification: Distribution Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NW (SW)	831	-	435896 563956
45	<b>Contemporary Trade Directory Entries</b> Name: Tyne Dock Service Station Location: Hudson St, South Shields, Tyne & Wear, NE34 0AD Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	857	-	435764 564752



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<b>Contemporary Trade Directory Entries</b> Name: Swiftclean Location: 33, Foss Way, South Shields, Tyne and Wear, NE34 0BW Classification: Dry Cleaners <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SW (W)	879	-	435695 564348
47	<b>Contemporary Trade Directory Entries</b> Name: Kaytu Systems Ltd Location: 6a-6b, Throckley Way, Middlefields Industrial Estate, South Shields, Tyne and Wear, NE34 0NU Classification: Sheet Metal Work <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	906	-	435664 564515
48	<b>Contemporary Trade Directory Entries</b> Name: D G Services Ltd Location: 3d, Unit 102, Throckley Way, Middlefields Industrial Estate, South Shields, Tyne and Wear, NE34 0NU Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12SW (W)	918	-	435650 564444
48	<b>Contemporary Trade Directory Entries</b> Name: Prime Buy Location: 3d, Unit 102, Throckley Way, Middlefields Industrial Estate, South Shields, Tyne and Wear, NE34 0NU Classification: Food Products - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SW (W)	918	-	435650 564444
48	<b>Contemporary Trade Directory Entries</b> Name: Oil Quip Location: Unit 3c, Throckley Way, Middlefields Industrial Estate, South Shields, Tyne and Wear, NE34 0NU Classification: Drilling & Boring Equipment & Supplies <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12SW (W)	934	-	435634 564442
49	<b>Contemporary Trade Directory Entries</b> Name: Apollo Blinds Location: 105, Prince Edward Road, South Shields, Tyne and Wear, NE34 8PJ Classification: Blinds, Awnings & Canopies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	940	-	437614 564315
50	<b>Contemporary Trade Directory Entries</b> Name: Howdens Joinery Location: 1 Throckley Way, Middlefields Ind Est, South Shields, Tyne and Wear, NE34 0NU Classification: Builders' Merchants <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A12NW (W)	948	-	435633 564608
51	<b>Contemporary Trade Directory Entries</b> Name: Mill-Dam Portland Location: 25-27, Shrewsbury Terrace, South Shields, Tyne and Wear, NE33 4LF Classification: Bus & Coach Operators & Stations <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NW (N)	961	-	436484 565462
52	<b>Contemporary Trade Directory Entries</b> Name: Mcps Location: Unit 2/A, 102, Throckley Way, Middlefields Industrial Estate, South Shields, Tyne and Wear, NE34 0NU Classification: Marine Electrical & Electronic Equipment Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A11NE (W)	962	-	435607 564484
52	<b>Contemporary Trade Directory Entries</b> Name: Warm Protection Products Ltd Location: Unit 5 Throckley Way, Middlefields Ind Est, South Shields, Tyne and Wear, NE34 0NU Classification: Roller Shutter Manufacturers <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A11NE (W)	962	-	435606 564484

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	<b>Contemporary Trade Directory Entries</b> Name: M C P S Ltd Location: Unit 2/A, 102, Throckley Way, Middlefields Industrial Estate, South Shields, Tyne and Wear, NE34 0NU Classification: Marine Equipment & Supplies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A11NE (W)	962	-	435607 564484
52	<b>Contemporary Trade Directory Entries</b> Name: Cramlington Civils Ltd Location: Unit 2/A, 102, Throckley Way, Middlefields Industrial Estate, South Shields, Tyne and Wear, NE34 0NU Classification: Builders' Merchants <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A11NE (W)	962	-	435607 564484
52	<b>Contemporary Trade Directory Entries</b> Name: Mcps Location: Unit 2/A, 102, Throckley Way, Middlefields Industrial Estate, South Shields, Tyne and Wear, NE34 0NU Classification: Corrosion Prevention & Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A11NE (W)	962	-	435607 564484
52	<b>Contemporary Trade Directory Entries</b> Name: Custom Bags Location: Unit 2B, 102, Throckley Way, Middlefields Industrial Estate, South Shields, Tyne and Wear, NE34 0NU Classification: Bags, Belts & Accessories - Manufacturers & Suppliers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A11NE (W)	963	-	435606 564497
52	<b>Contemporary Trade Directory Entries</b> Name: Mcps Location: Unit 102, Throckley Way, Middlefields Ind Est, South Shields, Tyne And Wear, NE34 0NU Classification: Marine Electrical & Electronic Equipment Manufacturers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A11NE (W)	997	-	435572 564496
53	<b>Contemporary Trade Directory Entries</b> Name: Walker Profiles Ltd Location: 1-2, Middlefields Ind Est, South Shields, Tyne and Wear, NE34 0NT Classification: Window Frame Manufacturers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A12NW (W)	964	-	435644 564730
53	<b>Contemporary Trade Directory Entries</b> Name: M I Dickson Ltd Location: Heddon Way, Middlefields Industrial Estate, South Shields, Tyne and Wear, NE34 0NT Classification: Meat Product Manufacturers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	984	-	435618 564710
54	<b>Contemporary Trade Directory Entries</b> Name: Village Car Centre Location: 10, Moor Lane, South Shields, Tyne and Wear, NE34 6BZ Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19SE (NE)	973	-	437562 564903
54	<b>Contemporary Trade Directory Entries</b> Name: Henderson Motors Location: 10, Moor Lane, South Shields, Tyne and Wear, NE34 6BZ Classification: Car Dealers - Used <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19SE (NE)	973	-	437562 564903
55	<b>Contemporary Trade Directory Entries</b> Name: Fires & Fenders Location: 59, Hudson Street, South Shields, Tyne and Wear, NE34 0AE Classification: Fireplaces & Mantelpieces <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A17SW (NW)	985	-	435678 564877
56	<b>Contemporary Trade Directory Entries</b> Name: Glendale Transport Uk Ltd Location: unit3 Throckley Way, Middlefields Ind Est, South Shields, Tyne and Wear, NE34 0NU Classification: Freight Forwarders <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	A11SE (W)	990	-	435578 564448



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	<b>Contemporary Trade Directory Entries</b> Name: Raydek Window Services Location: 9 Throckley Way, Middlefields Ind Est, South Shields, Tyne and Wear, NE34 0NU Classification: Aluminium Fabricators <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	A11SE (W)	990	-	435578 564452
57	<b>Contemporary Trade Directory Entries</b> Name: Flip Flop Puzzle Mats Uk Location: 6, Harton Grove, South Shields, Tyne and Wear, NE34 6LT Classification: Floorcoverings - Manufacturers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19NE (NE)	993	-	437344 565221
58	<b>Contemporary Trade Directory Entries</b> Name: Kut Price Decorating Location: 137-141, Prince Edward Road, South Shields, Tyne and Wear, NE34 8PJ Classification: Painting & Decorating Supplies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A15SW (E)	997	-	437673 564326
59	<b>Fuel Station Entries</b> Name: Boldon Lane Service Station Location: Boldon Lane, South Shields, Tyne & Wear, NE34 0NE Brand: Total Premises Type: Petrol Station <b>Status: Open</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	771	-	436019 563898
60	<b>Fuel Station Entries</b> Name: Lynch Motors Of Parkside Location: West Way, West Park, South Shields, Tyne & Wear, NE33 4SP Brand: Unbranded Premises Type: Not Applicable <b>Status: Obsolete</b> Positional Accuracy: Automatically positioned to the address	A17NE (NW)	828	-	436105 565148
61	<b>Fuel Station Entries</b> Name: Moor Lane Filling Station Location: 8-10 Moor Lane, Harton, South Shields, Tyne & Wear, NE34 6BZ Brand: Gulf Premises Type: Petrol Station <b>Status: Open</b> Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	973	-	437562 564903

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> City of Newcastle upon Tyne Council - Environmental Health Department Gateshead Metropolitan Borough Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Neighbourhood Services North Tyneside Metropolitan Borough Council - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department	January 2013 July 2013 March 2013 October 2013 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually
<b>Discharge Consents</b> Environment Agency - North East Region	August 2014	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - North East Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - North East Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - North East Region	August 2014	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> North Tyneside Metropolitan Borough Council - Environmental Health Department Gateshead Metropolitan Borough Council - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department City of Newcastle upon Tyne Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Environmental Health Department	April 2014 February 2013 July 2012 June 2013 September 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> North Tyneside Metropolitan Borough Council - Environmental Health Department Gateshead Metropolitan Borough Council - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department City of Newcastle upon Tyne Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Environmental Health Department	April 2014 February 2013 July 2013 June 2013 September 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> North Tyneside Metropolitan Borough Council - Environmental Health Department Gateshead Metropolitan Borough Council - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department City of Newcastle upon Tyne Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Environmental Health Department	April 2014 February 2013 July 2013 June 2013 September 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - North East Region	December 1998	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - North East Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - North East Region	March 2013	As notified
<b>Registered Radioactive Substances</b> Environment Agency - North East Region	August 2014	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	August 2014 August 2014	Quarterly Quarterly



<b>Agency &amp; Hydrological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Water Abstractions</b> Environment Agency - North East Region	July 2014	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North East Region	August 2014	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 2011	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2014	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2014	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2014	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	August 2014	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	August 2014	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	August 2014	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	Annually

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	May 2014 May 2014	Quarterly Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - North East Region	October 2008	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 2014 July 2014	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	May 2014 May 2014	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> City of Newcastle upon Tyne Council - Environmental Health Department Gateshead Metropolitan Borough Council - Development Control North Tyneside Metropolitan Borough Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Planning Department Sunderland City Metropolitan Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> City of Newcastle upon Tyne Council - Environmental Health Department Gateshead Metropolitan Borough Council - Development Control North Tyneside Metropolitan Borough Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Planning Department Sunderland City Metropolitan Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - North East Region - Northumbria Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - North East Region - Northumbria Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - North East Region - Northumbria Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	March 2014	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	November 2013	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> South Tyneside Metropolitan Borough Council - Planning Department Gateshead Metropolitan Borough Council - Development Control Sunderland City Metropolitan Borough Council - Planning City of Newcastle upon Tyne Council North Tyneside Metropolitan Borough Council - Development Function	April 2013 July 2013 March 2014 September 2013 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> South Tyneside Metropolitan Borough Council - Planning Department Gateshead Metropolitan Borough Council - Development Control Sunderland City Metropolitan Borough Council - Planning City of Newcastle upon Tyne Council North Tyneside Metropolitan Borough Council - Development Function	April 2013 July 2013 March 2014 September 2013 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update

<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	August 1996	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	January 2010	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2014	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	December 2013	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	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	May 2014	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	August 2014	Quarterly



Sensitive Land Use	Version	Update Cycle
<b>Areas of Adopted Green Belt</b> City of Newcastle upon Tyne Council Gateshead Metropolitan Borough Council - Development Control North Tyneside Metropolitan Borough Council South Tyneside Metropolitan Borough Council - Planning Department Sunderland City Metropolitan Borough Council - Planning	August 2014 August 2014 August 2014 August 2014 August 2014	As notified As notified As notified As notified As notified
<b>Areas of Unadopted Green Belt</b> City of Newcastle upon Tyne Council Gateshead Metropolitan Borough Council - Development Control North Tyneside Metropolitan Borough Council South Tyneside Metropolitan Borough Council - Planning Department Sunderland City Metropolitan Borough Council - Planning	August 2014 August 2014 August 2014 August 2014 August 2014	As notified As notified As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	January 2014	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	August 2014	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>National Parks</b> Natural England	August 2014	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	July 2014	Annually
<b>Ramsar Sites</b> Natural England	March 2014	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	March 2014	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	March 2014	Bi-Annually
<b>Special Protection Areas</b> Natural England	March 2014	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	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

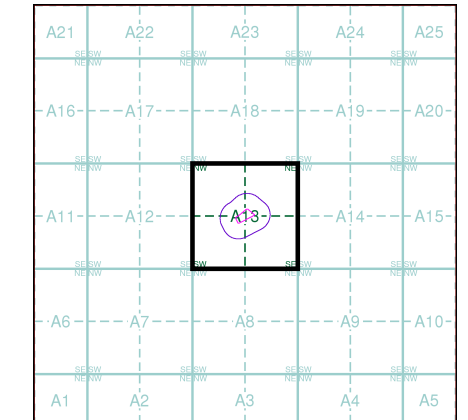
Contact	Name and Address	Contact Details
2	<b>South Tyneside Metropolitan Borough Council - Environmental Health Department</b> Central Library Building, Prince George Square, South Shields, Tyne And Wear, NE33 2PE	Telephone: 0191 427 1717 Fax: 0191 427 7171 Website: <a href="http://www.s-tyneside-mbc.gov.uk">www.s-tyneside-mbc.gov.uk</a>
3	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a>
4	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
5	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmark.co.uk">customerservices@landmark.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>
6	<b>The Coal Authority - Mining Report Service</b> 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: <a href="mailto:thecoalauthority@coal.gov.uk">thecoalauthority@coal.gov.uk</a>
7	<b>South Tyneside Metropolitan Borough Council - Planning Department</b> Town Hall & Civic Offices, Westoe Road, South Shields, Tyne & Wear, NE33 2RL	Telephone: 0191 427 1717 Fax: 0191 427 7171 Website: <a href="http://www.s-tyneside-mbc.gov.uk">www.s-tyneside-mbc.gov.uk</a>
8	<b>Natural England</b> Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: <a href="mailto:enquiries@naturalengland.org.uk">enquiries@naturalengland.org.uk</a> Website: <a href="http://www.naturalengland.org.uk">www.naturalengland.org.uk</a>
-	<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: <a href="mailto:radon@phe.gov.uk">radon@phe.gov.uk</a> Website: <a href="http://www.ukradon.org">www.ukradon.org</a>
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>

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



- 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 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 - Segment A13

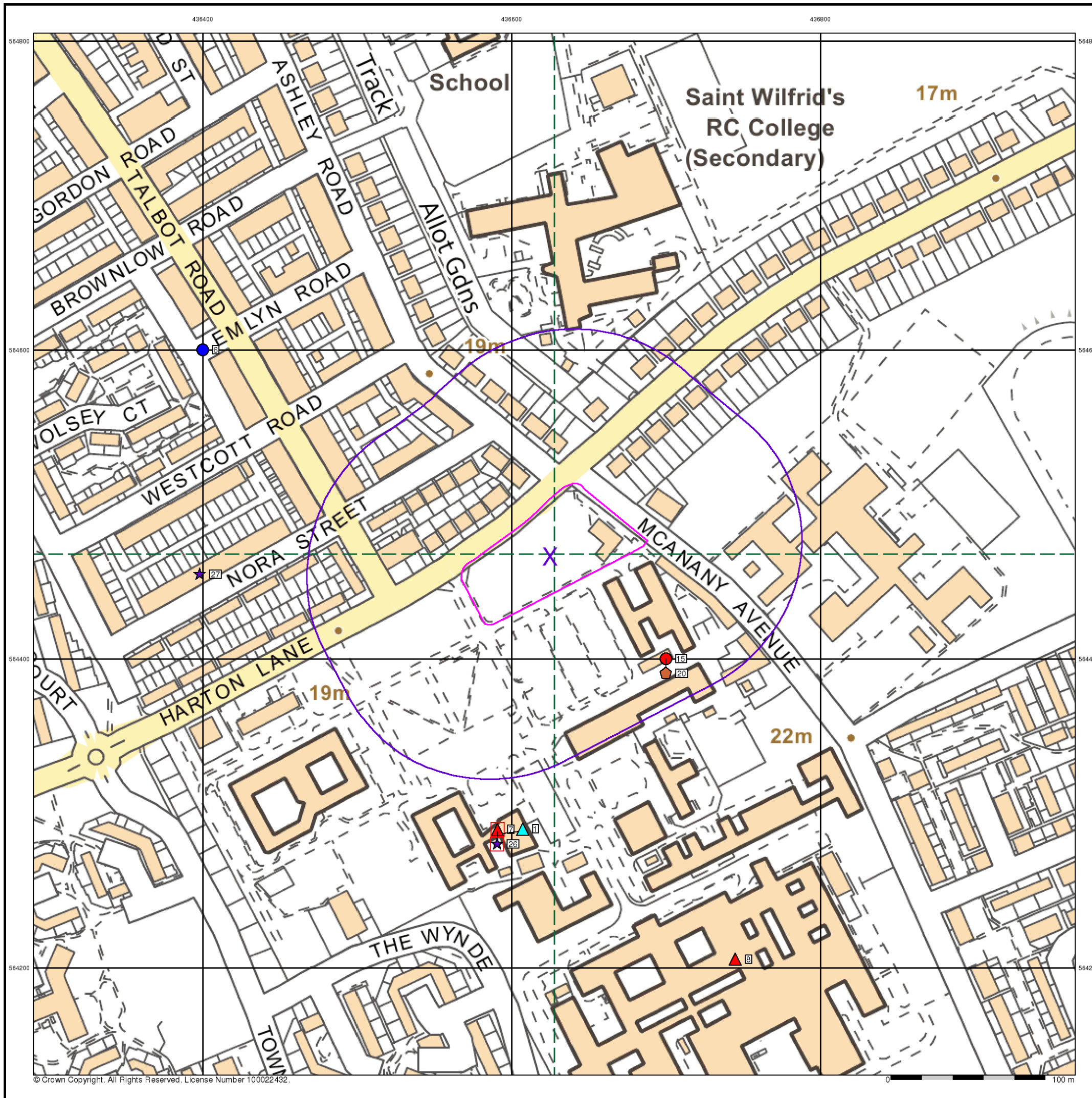


### Order Details

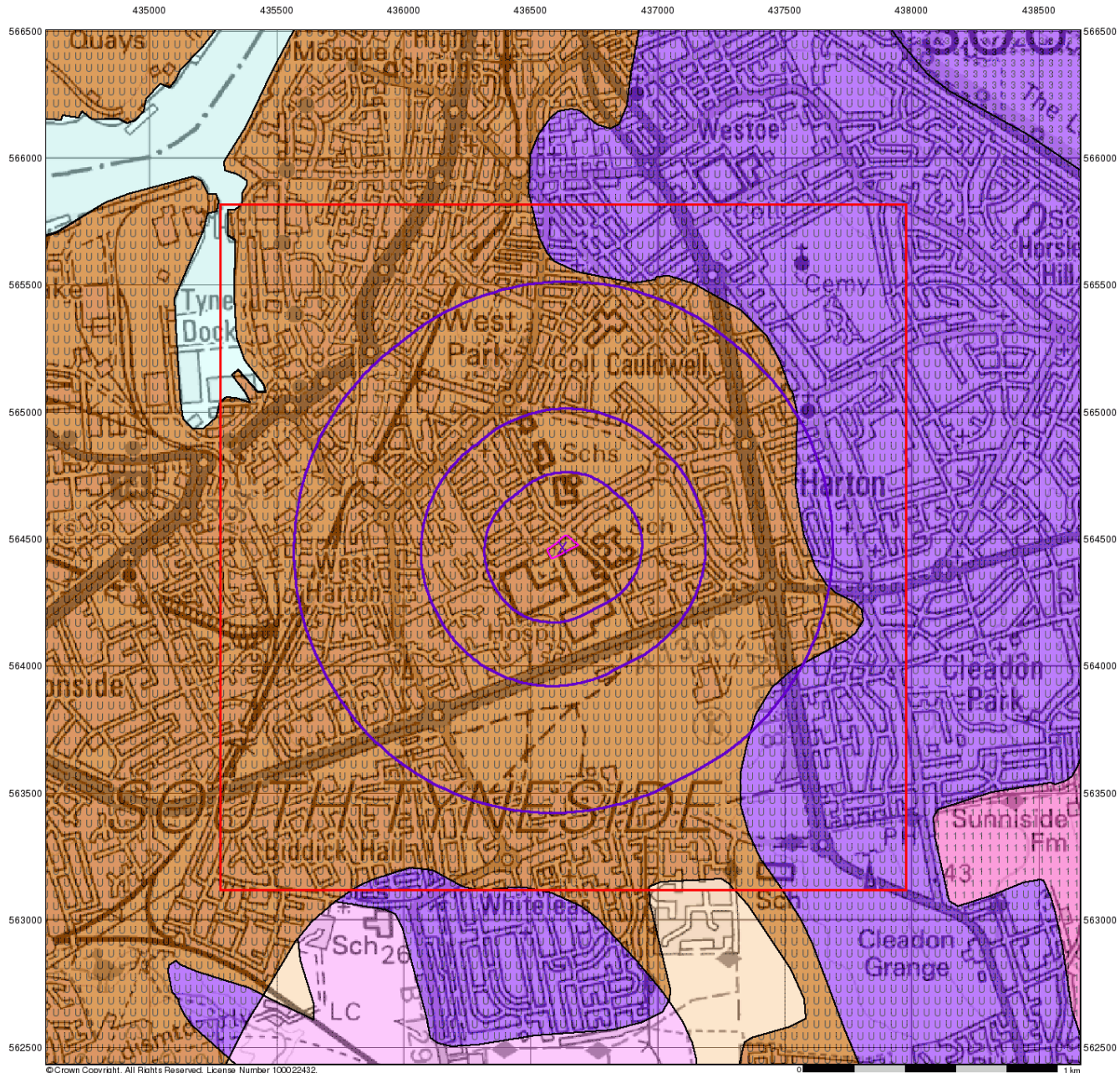
Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54

### Site Details

162, Harton Lane, South Shields, NE34 0PN







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## Groundwater Vulnerability

### General

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

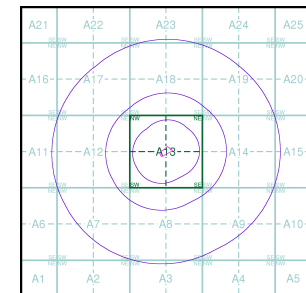
### Agency and Hydrological

#### Geological Classes

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

#### Soil Classes

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

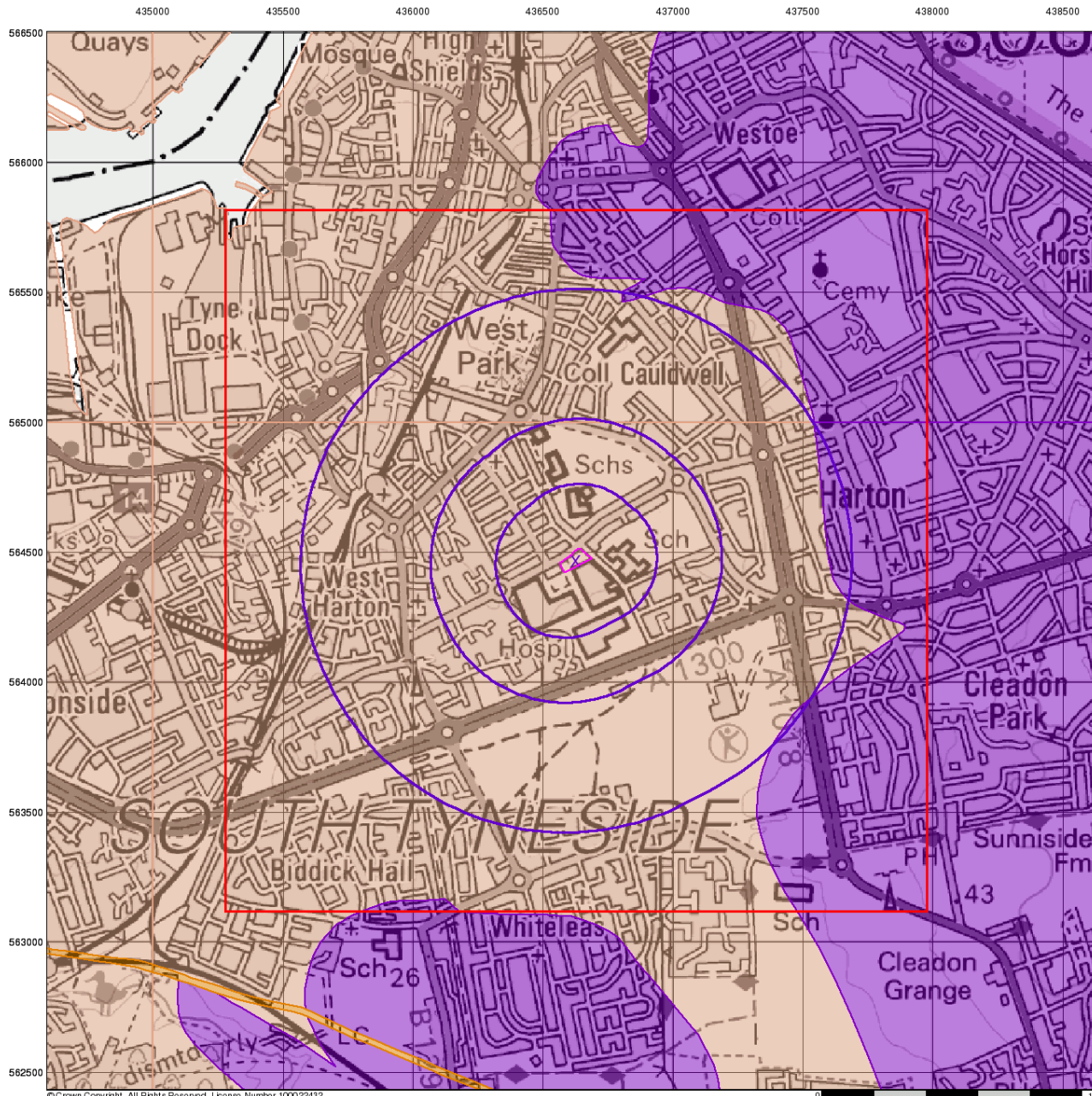
### Site Details

162, Harton Lane, South Shields, NE34 0PN



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





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0 1 km



## Bedrock Aquifer Designation

### General

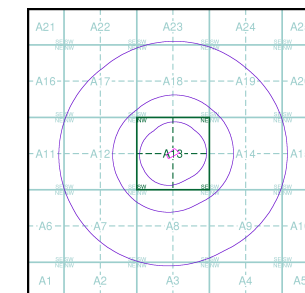
- Specified Site
- Specified Buffer(s)
- Slice
- Bearing Reference Point
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

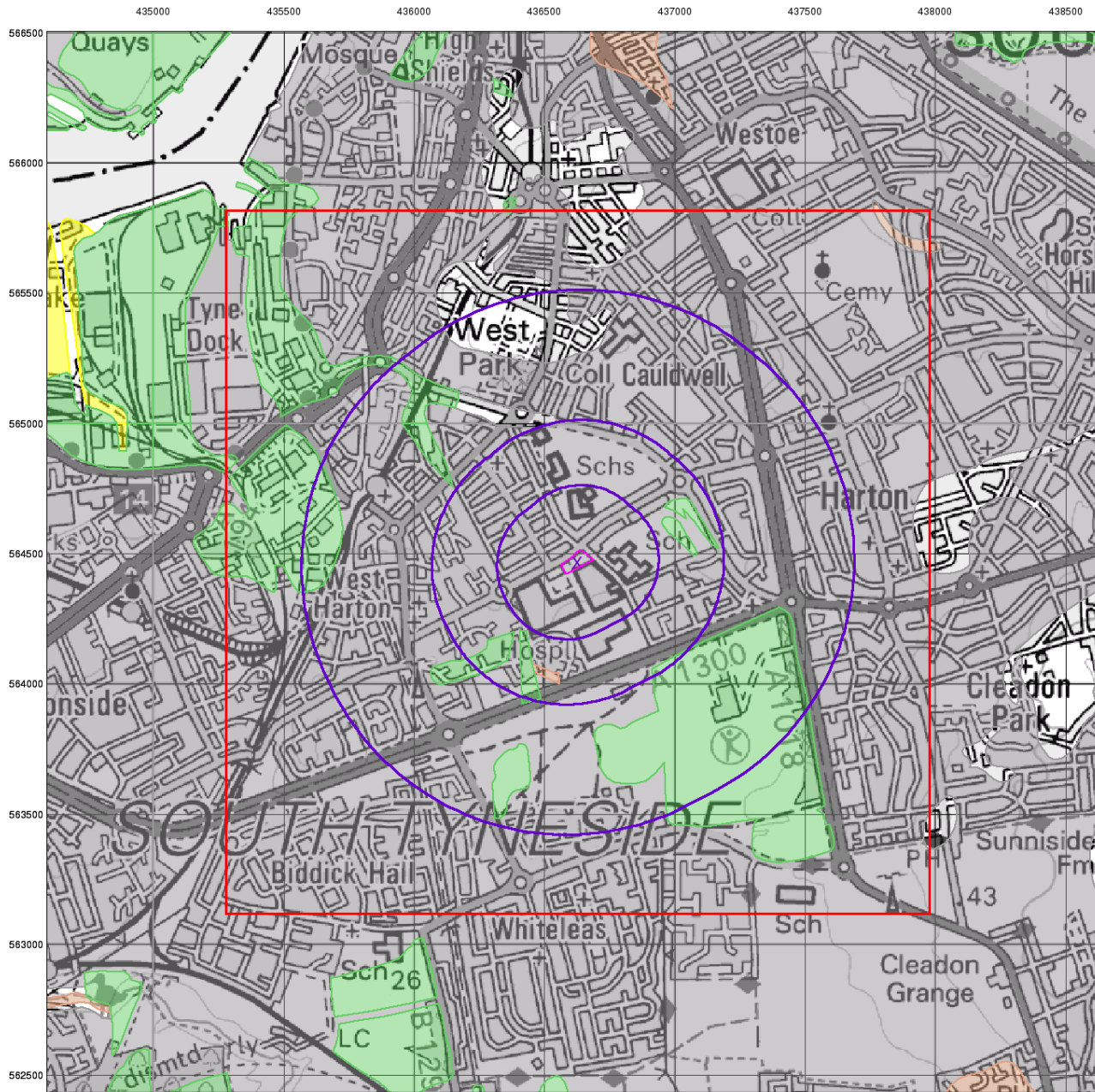
### Site Details

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





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## Superficial Aquifer Designation

### General

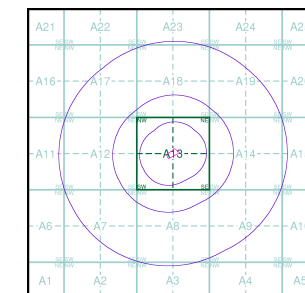
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

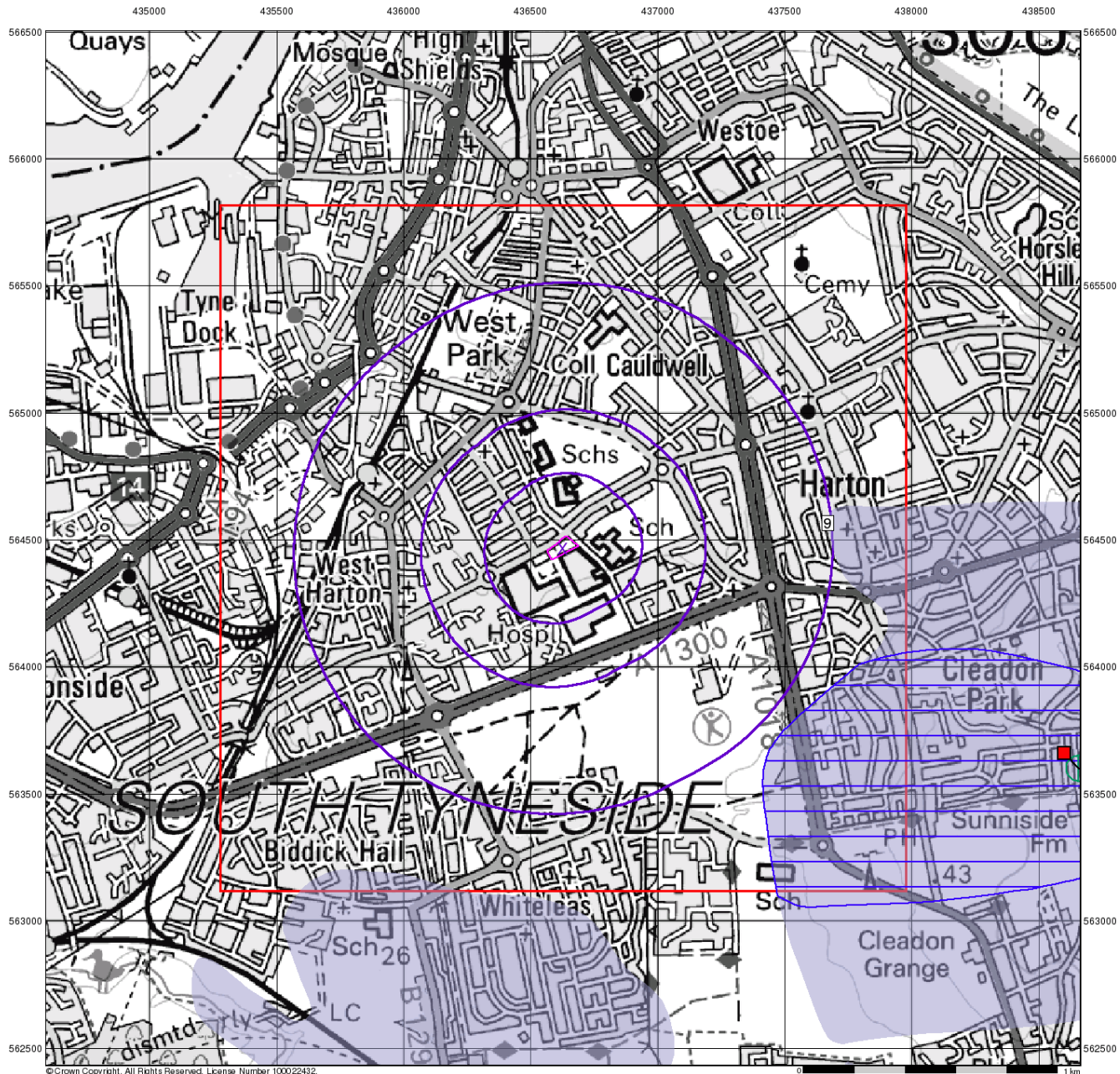
### Site Details

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 Fax: 0844 844 9951  
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## Source Protection Zones

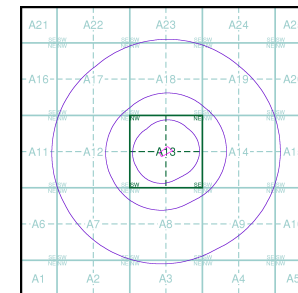
### General

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

### Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

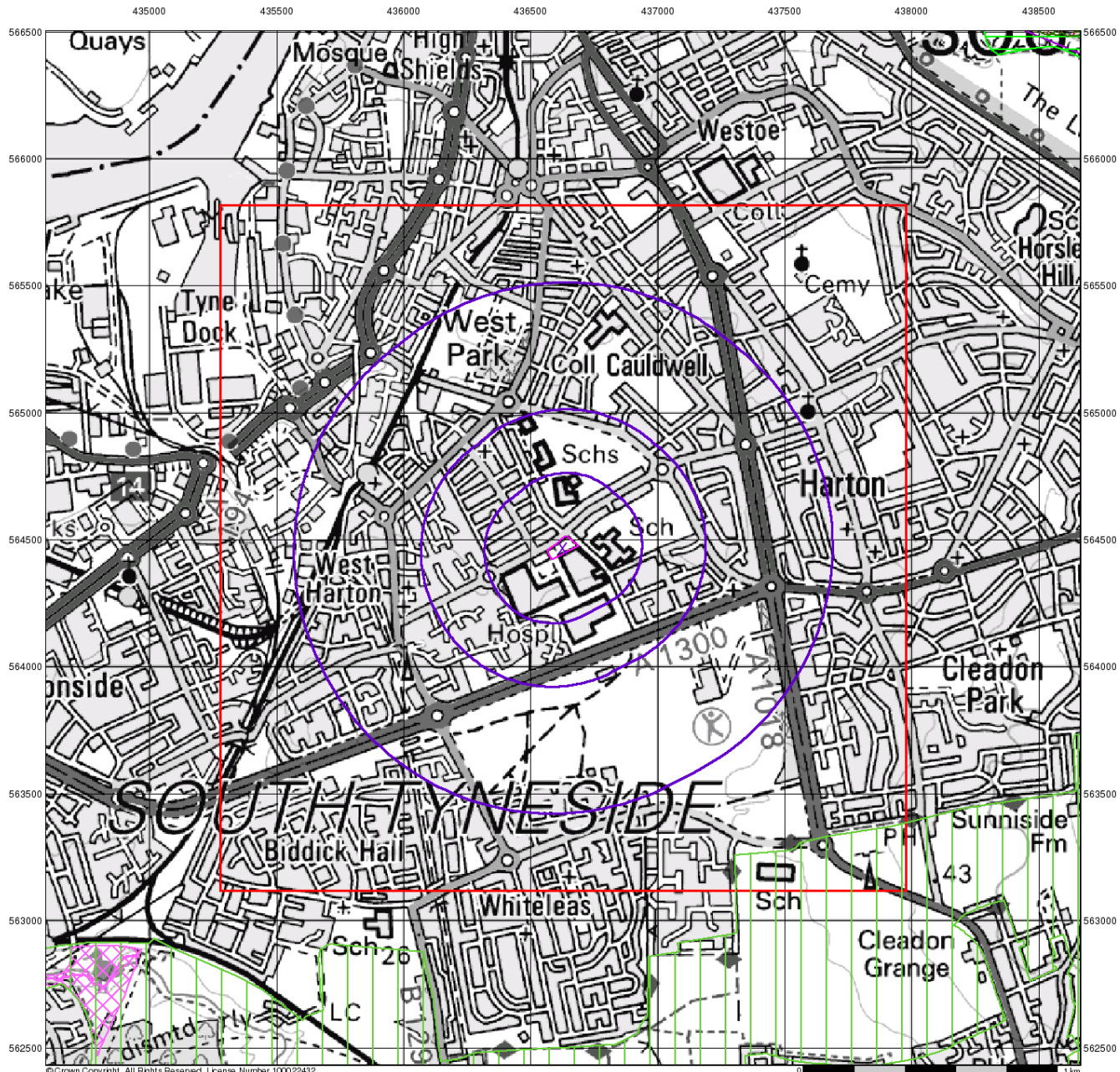
### Site Details

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## Sensitive Land Uses

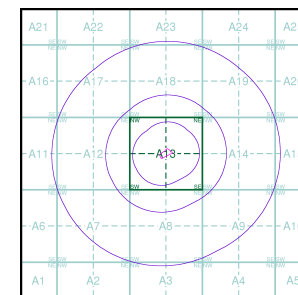
### General

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

### Sensitive Land Uses

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

### Site Details

162, Harton Lane, South Shields, NE34 0PN

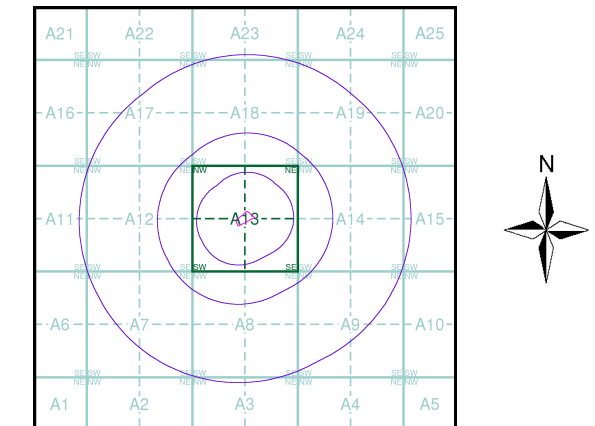


Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



- 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 and 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**
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  - 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

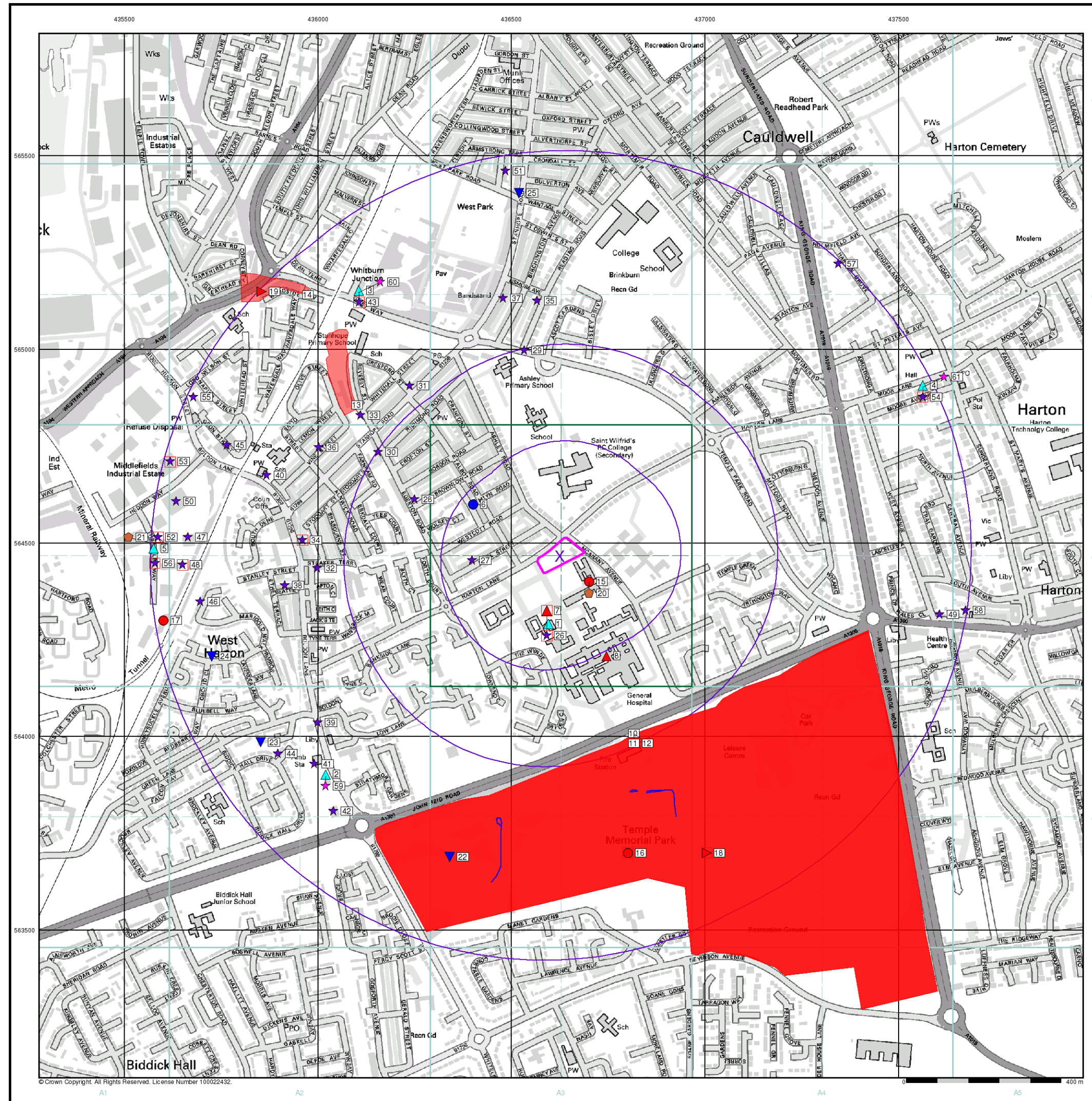


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

### Site Details




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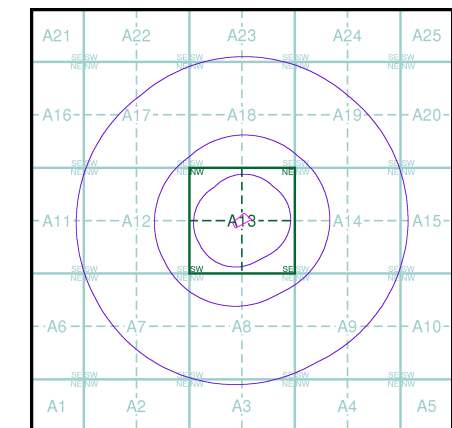
**General**

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

**Agency and Hydrological (Flood)**

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

**Flood Map - Slice A**

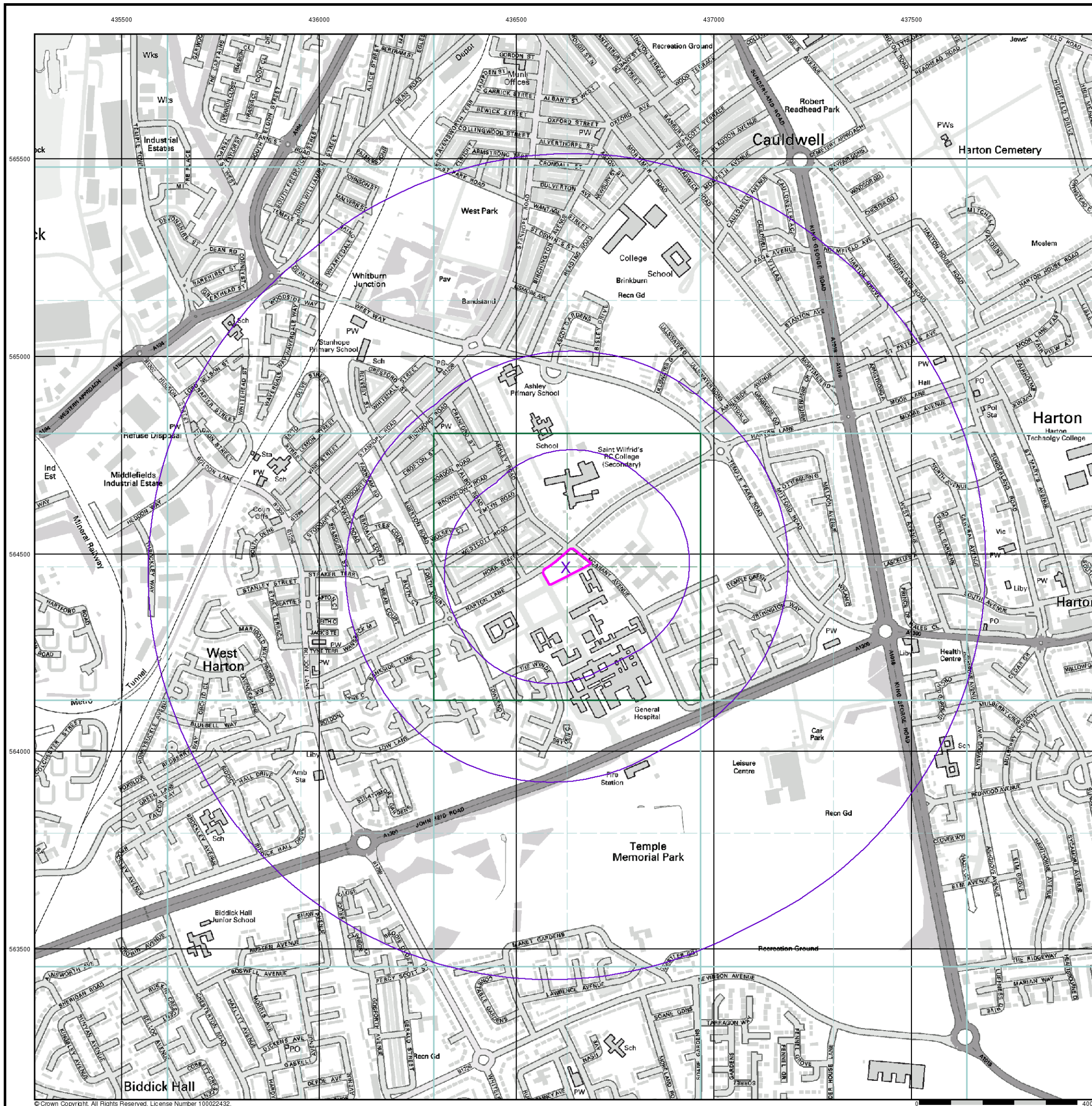


**Order Details**

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

**Site Details**

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### General

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

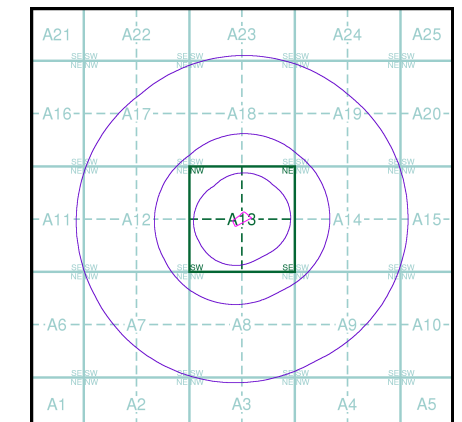
### Agency and Hydrological (Boreholes)

- 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

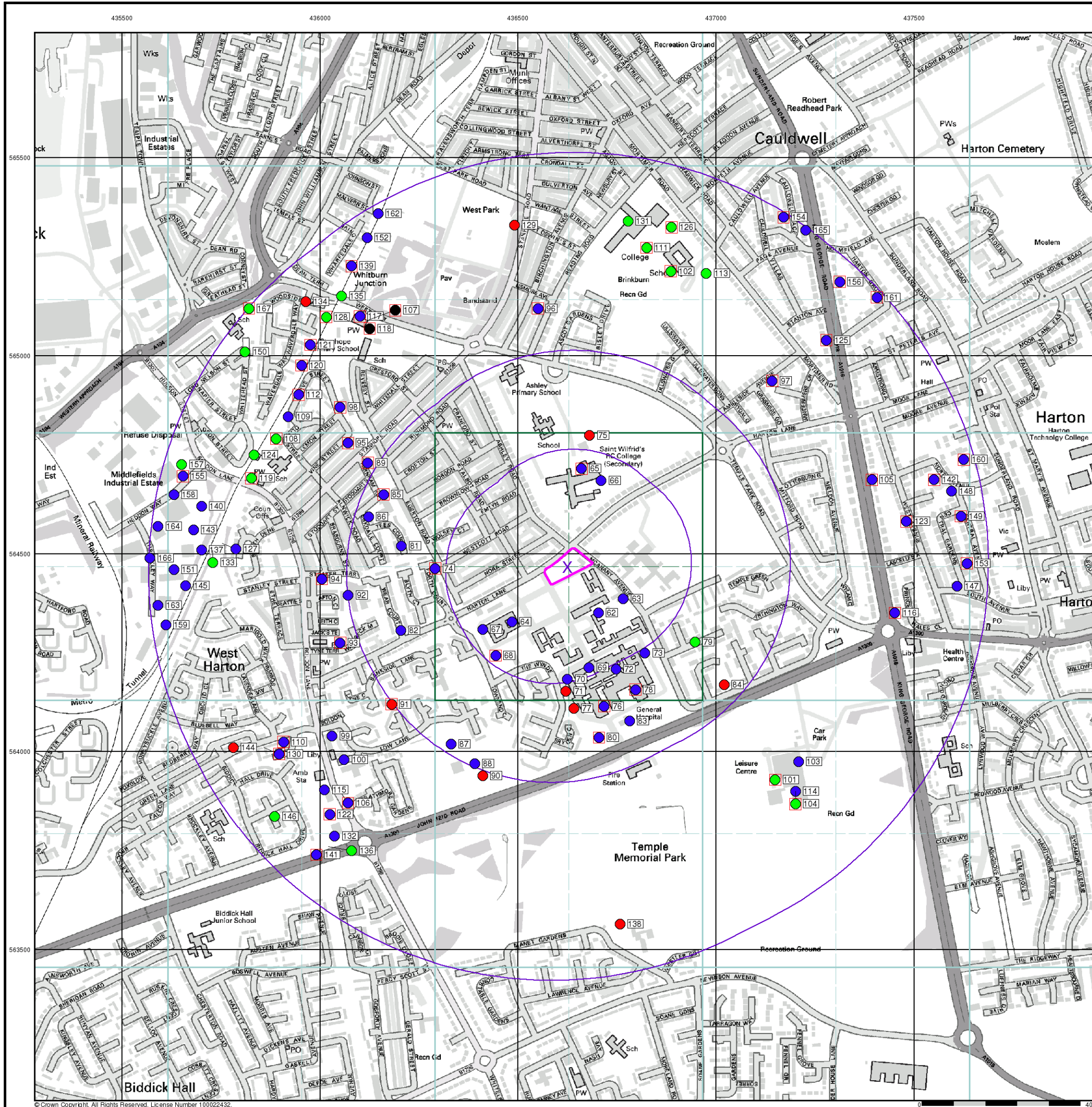


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

### Site Details

162, Harton Lane, South Shields, NE34 0PN

















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### General

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

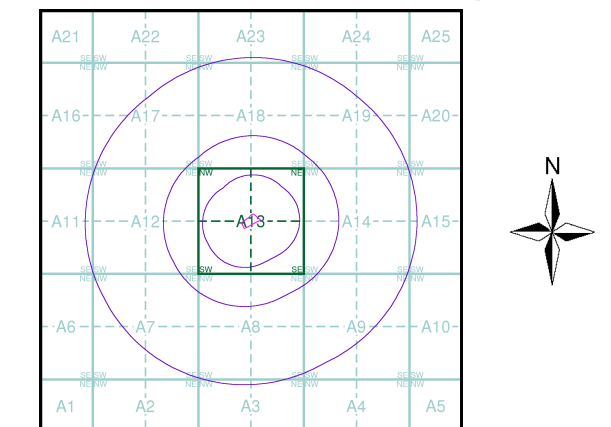
### Detailed River Network Data

-  Primary River
-  Secondary River
-  Tertiary River
-  Canal
-  Canal Tunnel
-  Undefined River
-  Lake/Reservoir
-  Offline Drainage Feature
-  Extended Culvert (greater than 50m)
-  Underground River (inferred)
-  Underground River (local knowledge)
-  Downstream of High Water Mark
-  Downstream of Seaward Extension
-  Not assigned River feature

### Contours (height in metres)

- Standard Contour  105
- Master Contour  100
- Spot Height  167.3
-  MLW Mean Low Water
-  MHW Mean High Water

### EANRW Detailed River Network Map - Slice A

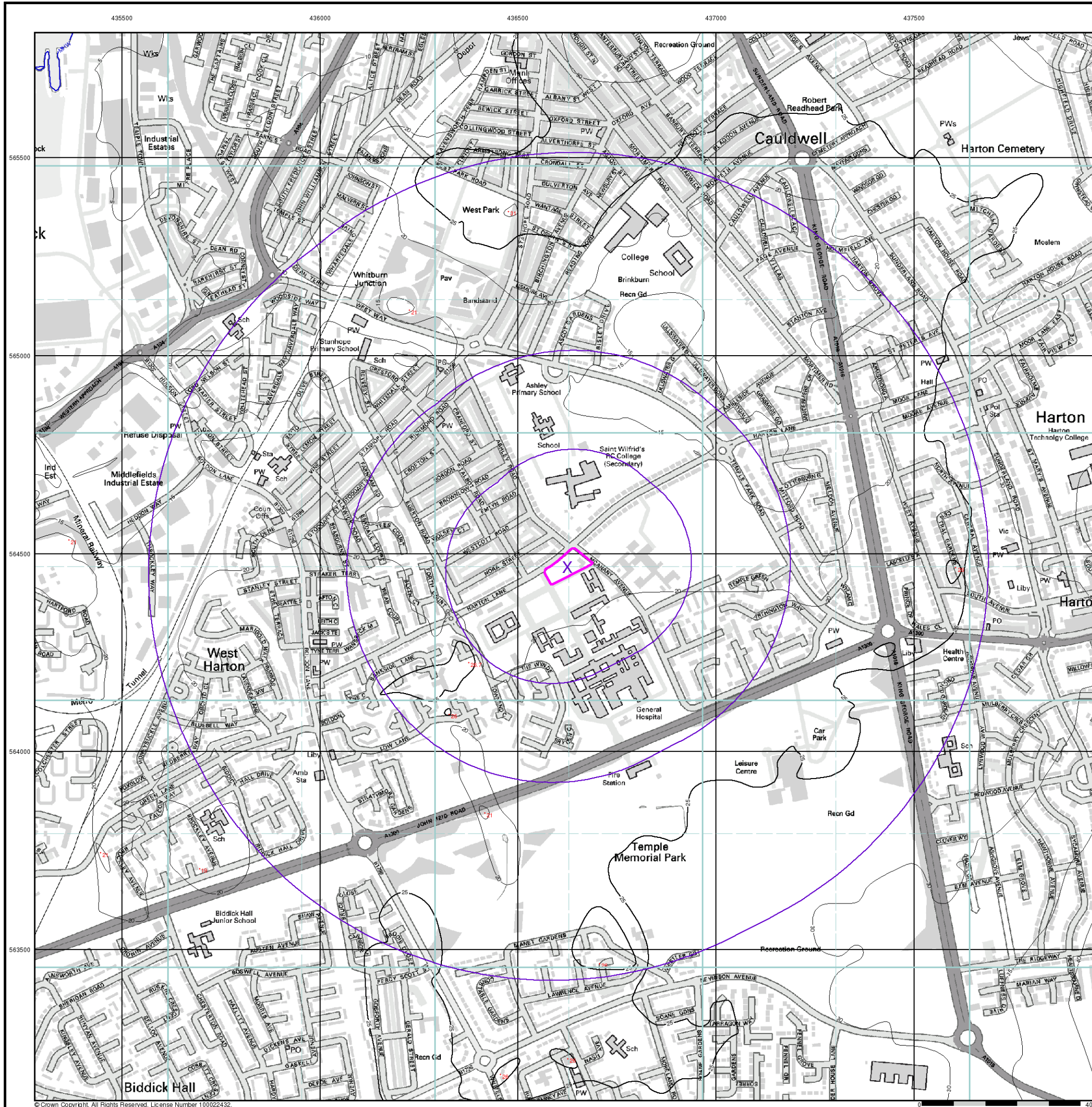


### Order Details

Order Number: 59652600\_1\_1  
 Customer Ref: S140408  
 National Grid Reference: 436630, 564470  
 Slice: A  
 Site Area (Ha): 0.54  
 Search Buffer (m): 1000

### Site Details

162, Harton Lane, South Shields, NE34 0PN



## APPENDIX D



David Bellis Consulting Surveyors Ltd  
8, Mornington Terrace  
Harrogate  
North Yorkshire  
HG1 5DH

(DX 720352 Harrogate)

T: 01423 529911 F: 01423 529922  
E: [contact@coalsearch.plus.com](mailto:contact@coalsearch.plus.com)  
W: [www.coalsearch.plus.com](http://www.coalsearch.plus.com)



By

David Bellis  
CONSULTING SURVEYORS

## Coal Mining Search Report

Incorporating Cheshire Brine Enquiries



David Bellis Consulting Surveyors Ltd. – Registered in England no. 5034580  
Registered Address : 10 Bolton Street, Ramsbottom, Bury, BL0 9HX

**Serial Number 303751**

Client detail :

Solmek  
( Site Investigations) Ltd  
12 Yarm Road  
Stockton on Tees  
Cleveland  
TS18 3NA

CoalSearchPlus+ by David Bellis Consulting  
Surveyors Ltd  
8 Mornington Terrace  
Harrogate  
North Yorkshire  
HG1 5DH  
(DX 720352 Harrogate)

Tel 01423 529911  
Fax 01423 529922

Search produced by M J Peace

**Property details:**

Land at  
South Tyneside Hospital  
South Shields

**Your ref :**  
**Purchaser :**  
**Vendor :**

**In accordance with your instructions received 03 Sep 2014 we have inspected plans and records of coal mine workings and have made enquiries with respect to Cheshire brine extraction in relation to the above property and can report as follows :**

**1. SEAM DETAILS FOR PAST UNDERGROUND COAL MINING :** In relation to the property the undermentioned seam(s) have been worked within the likely zone of physical influence on the surface.

Seam	Depth (m)	Sect (cm)	Date	Remarks
Yard	313	95	Pre 1953	Subjacent-partial extraction
Maudlin	346	121	Pre 1947	Subjacent-partial extraction
Brass Thill	386	90	Pre 1947	Adjacent-partial extraction
Hutton	392	89	Pre 1947	Subjacent-partial extraction
Harvey	443	90	Pre 1950	Adjacent

**2. SEAM DETAILS FOR CURRENT AND FUTURE UNDERGROUND COAL MINING :** The undermentioned seam(s) are currently being worked, or licenses to work are being determined, or have been granted to work, within the likely zone of physical influence on the surface in relation to the property.

Seam	Depth (m)	Sect (cm)	Date	Remarks
				Coal in reserve - no workings currently planned.

**3. UNDERLYING GEOLOGY :**

The property is situated in an area of Upper Clay over Middle Coal Measures, shales and mudstones.



**Serial Number 303751**

There are no faults or abnormal features relevant to the property.

**4. OPENCAST COAL MINING :**

Past Opencast Workings : The property is not situated within the boundary of a former opencast coal mining site.

Present Opencast Workings : The property is not situated within 200m of the boundary of a currently operating opencast coal mining site.

Future Opencast Workings : The property is not situated within 800m of the boundary of an opencast site for which a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

**5. SHAFTS, ADITS (MINE ENTRIES) AND ADDITIONAL INFORMATION :**

We have no knowledge of any shafts or adits within 20 metres of the property or the boundary of the property.

There are no tips or lagoons in the vicinity of the property.

There are possible ancient coal mining workings within the likely zone of influence on the surface in the vicinity of the property, for which no accurate plans or records exist.

**6. NOTICES IN RELATION TO FUTURE COAL MINING ACTIVITY :**

We have no knowledge of any intention to work coal by underground methods within influencing distance on the surface in the vicinity of the property for which notices have been issued under the Coal Mining Subsidence Act 1991.

**7. PAST COAL MINING RELATED SUBSIDENCE :**

Our investigations have shown no evidence of coal mining related subsidence claims in relation to the property in the past 10 years.

**8. CONCLUSION (COAL MINING) : In the light of the above facts we conclude that in relation to coal mining :**

Old workings are present but all settlement is likely to have completed long ago. In our opinion it is unlikely that coal will be worked in the foreseeable future.

**COAL MINING RISK LEVEL : We recommend that the transaction is treated as :**

Where this report is to be used for development purposes particular attention is drawn to the paragraphs below concerning the ownership of in situ coal, coal workings and the risks from mine gases.

**Serial Number 303751**

**Please note that the overall coal mining risk level above is based upon an assessment of the detailed information contained in the body of the report. The risk assessment must be used in conjunction with the detailed report.**

**If development of the property is being considered then all necessary enquiries and investigations should be completed prior to the commencement of works to ensure that proposals follow good engineering practice for development in mining areas. The Coal Authority has ownership of in situ coal, coal mines (both current and disused) and coal mine shafts and adits. Activities that intersect, enter or disturb any of the Coal Authority's interests require the written permission of the Authority.**

**Any development proposals should consider risks to the development, or adjacent property, of generating or displacing underground gases where coal seams or former mining works are disturbed. The need for effective measures to prevent gasses entering public properties should be assessed and properly addressed. These actions are necessary due to the public safety implications of development in these circumstances.**

#### **CHESHIRE BRINE EXTRACTION INFORMATION :**

The property lies outside the Cheshire Brine Compensation District as prescribed by the Cheshire Brine Pumping (Compensation for Subsidence) Act 1952.

---

With respect to coal mining there is nothing to prevent a claim being made under the provisions of the Coal Mining Subsidence Act 1991 and subsequent legislation, but it must not be inferred that the Coal Authority or their licensees will necessarily accept that any damage has been caused as a result of mining subsidence.

If you require any further information or amplification please contact CoalSearchPlus+ on 01423 529911 or via our website [www.coalsearch.plus.com](http://www.coalsearch.plus.com).

This report is prepared in accordance with the CoalSearchPlus+ terms and conditions as published on the CoalSearchPlus+ website ([www.coalsearch.plus.com](http://www.coalsearch.plus.com)) on the date of issue of this report.

This is a Coal Mining Search Report and is not to be interpreted as being part of an Environmental Assessment of the property.

We cannot be held responsible for the accuracy of the information provided to us by third party organisations.

The information and/or material supplied is composed from data based in many cases on measurements and records of various standards of reliability and age. We cannot be held responsible for the accuracy of such information.

This search report is based upon the privately owned CoalSearchPlus+ mining record database and plans and records publicly available at the time of inspection from the Coal Authority, including British Geological Survey and Ordnance Survey data. Organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining (subsidence) Act 1991 and the Coal Industry Act 1994.

Coal Authority Address : The Coal Authority, 200 Lichfield Lane Berry Hill, Mansfield, Nottinghamshire, HG18 4RG  
British Geological Survey Address : British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham NG12 5GG

The information contained in this report relates to the property address given by the individual or organisation ordering the report. Where a plan indicating the property location and boundary is supplied with the instruction the report is based on that information. Where no plan is supplied the report is based on the property location as defined in publicly available mapping data. At all times it remains the responsibility of the instructing organisation or individual to define the boundary of the property.

#### **Additional notes applicable to Residential Coal Mining Reports only :**

David Bellis Consulting Surveyors Ltd is not aware of any personal or business relationship between the person conducting or preparing the search and any person involved in the sale of the property.

This report is a desk study of existing published geological and coal mining records and the CoalSearchPlus+ coal mining database. In order to compile this report enquiries have been made relating to the following :



**Serial Number 303751**

Past Coal Mining – the existence of any previously worked seams of coal within influencing distance on the surface in relation to the property including an indication of the location, depth and age of the workings,

Present Coal Mining - the existence of any currently worked seams of coal within influencing distance on the surface in relation to the property including an indication of the location, depth and age of the workings. The existence of coal that could be worked at some time in the future will be enquired into and detail of any relevant licenses disclosed where available.

Underlying Geology - the underlying geology of the property will be reviewed and briefly described in relation to coal mining.

Opencast Coal Mining - the existence of past present and future opencast coal mining, specifically :

- if the property is situated within the boundary of a former opencast site. In the case of old opencast workings it must be understood that records are often unclear regarding the site boundary and/or worked areas. Published records will be reviewed to give our opinion of the existence of relevant former opencast coal workings.
- if the property is situated within 200m of the boundary of a currently operating opencast site.
- if the property is situated within 800m of the boundary of an opencast for which either a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

Shafts, Adits (Mine Entries) and Additional Information – the existence of any mine entries within 20m of the property or the boundary of the property and its associated land and buildings (the definition of the boundary of the property is the responsibility of the individual or organisation ordering this report). Where a mine entry is found to exist the approximate location of the mine entry will be indicated on a plan to be provided by the instructing organisation or individual. The existence of unworked coal will be enquired into and our opinion regarding the likelihood of it being worked at some time in the past will be given where relevant. Any other relevant coal mining related features discovered will be noted.

Notices in relation to future coal mining activity – the existence of notices indicating an intention to work coal by underground methods in the future.

Past coal mining related subsidence – if any publicly available records indicate coal mining related subsidence affecting the property in the past 10 years.

Coal Mining Risk Level – the opinion of David Bellis Consulting Surveyors of the risk posed to the property from coal mining given all the information contained in the report. The risk to the property is given in relation to the majority of the housing stock in the immediate area.

Cheshire Brine – the location of the property in relation to the Cheshire Brine Compensation District and any relevant information to the property regarding brine extraction.

Additional information, including answers to many frequently asked questions, can be found on the CoalSearchPlus+ website, [www.coalsearch.plus.com](http://www.coalsearch.plus.com)

**Complaints Procedure**

David Bellis Consulting Surveyors Ltd is registered with the Property Codes Compliance Board as a subscriber to the Search Code. A key commitment under the Code is that firms will handle any complaints both speedily and fairly.

If you want to make a complaint, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs):

Tel: 01722 333306, E-mail: [admin@tpos.co.uk](mailto:admin@tpos.co.uk)

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

Complaints should be sent to:

Mr M. Peace, Director, David Bellis Consulting Surveyors Ltd, 8 Mornington Terrace, Harrogate, North Yorkshire, HG1 5DH  
Tel : 01423 529911 Fax : 01423 529922 Email : [contact@coalsearch.plus.com](mailto:contact@coalsearch.plus.com)

Date : 05 Sep 2014

Signed :



**Serial Number 303751****Important Consumer Protection Information**

This search has been produced by David Belius Consulting Surveyors Ltd, 8 Mornington Terrace, Harrogate, HG1 5DH (T: 01423 529911, F: 01423 529922, E: [contact@coalsearch.plus.com](mailto:contact@coalsearch.plus.com)) which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

**The Code's core principles**

Firms which subscribe to the Search Code will:

- Display the Code logo prominently on their search reports.
- Act with integrity and carry out work with due skill, care and diligence.
- At all times maintain adequate and appropriate insurance to protect consumers.
- Conduct business in an honest, fair and professional manner.
- Handle complaints speedily and fairly.
- Ensure that all search services comply with the law, registration rules and standards.
- Monitor their compliance with the Code.

**Complaints**

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if he finds that you have suffered actual loss as a result of your search provider failing to keep to the Code.

**Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.**

**TPOs Contact Details:**

The Property Ombudsman scheme  
Milford House  
43-55 Milford Street  
Salisbury  
Wiltshire SP1 2BP  
Tel: 01722 333306  
Fax: 01722 332296  
Email: [admin@tpos.co.uk](mailto:admin@tpos.co.uk)

You can get more information about the PCCB from [www.propertycodes.org.uk](http://www.propertycodes.org.uk).

**PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE**



**Serial Number 303751****David Bellis Consulting Surveyors Ltd and CoalSearchPlus+ Terms and Conditions (Available in large print by request)**

1. Definitions.
  - a) The Service Provider is David Bellis Consulting Surveyors Ltd, trading as CoalSearchPlus+.
  - b) The Applicant is the Individual, Organisation, or appointed officer of said Organisation placing a Request with the Service Provider.
  - c) The Third Party Provider is any Organisation from which the Service Provider obtains data and/or information on behalf of the Applicant in the normal course of fulfilling the Applicants Request.
  - d) The request is a formal Request by the Applicant with CoalSearchPlus+ to retrieve specific data and/or information.
2. CoalSearchPlus+ accept Requests only on the basis that the Applicant is acting as a principal and is directly liable for payment of our invoice or account.
3. It is the policy of CoalSearchPlus+ to observe confidentiality with regard to the identity and affairs of our customers to the extent permitted by law, but, in common with other service providers, we may be required exceptionally to disclose information to governmental and other public authorities.
4. The placing of a Request by the Applicant with CoalSearchPlus+ confirms acceptance of these terms and conditions.
5. Any Order Form produced by CoalSearchPlus+, either printed or published on the CoalSearchPlus+ website, is an invitation to treat. The Applicant makes an offer to buy from CoalSearchPlus+ by the submission of a Request, subject to clause 10. Acceptable modes of transmission for a Request are facsimile (fax), telephone, electronic mail(e-mail), online transmission via the CoalSearchPlus+ website only, Document Exchange (DX), Royal Mail or courier appointed by the Applicant.
6. Orders will be accepted on order forms other than CoalSearchPlus+ forms however these will be accepted under the standard CoalSearchPlus+ terms and conditions only, subject to Clause 10.
7. CoalSearchPlus+ reserves the right to refuse any Request.
8. CoalSearchPlus+ reserves the right to cancel any Request at any time.
9. Proof of transmission of a Request by the Applicant does not constitute proof of receipt by CoalSearchPlus+.
10. It is the responsibility of the Applicant to ensure the accuracy, legibility, clarity and completeness of all data and/or information provided to CoalSearchPlus+ as part of the Request, including but not limited to, names, numbers, addresses, location plans, and boundary plans. This applies whether the Request is submitted on CoalSearchPlus+ order forms either printed or published on the CoalSearchPlus+ website or on the Applicants own order form.
11. CoalSearchPlus+ may request additional relevant data and/or information from the Applicant in the course of fulfilling a Request, including, but not limited to, names, numbers, addresses, location plans, and boundary plans.
12. CoalSearchPlus+ may request clarification of data and/or information supplied by the Applicant.
13. If, subsequent to Clause 11. and/or Clause 12., requested data and/or information is not provided and/or clarified, CoalSearchPlus+ cannot be held responsible for any resultant loss or delay.
14. If, subsequent to Clause 11. and/or Clause 12., requested data and/or information is not provided and/or clarified within a reasonable period of time, CoalSearchPlus+ reserves the right to cancel the Request in whole or in part. The Applicant remains liable for all fees, Taxes and Disbursements accrued prior to the cancellation.
15. CoalSearchPlus+ reserves the right to subcontract data and/or information retrieval to selected Organisations and/or Individuals. CoalSearchPlus+ is not required to reveal the identity of its Subcontractors.
16. CoalSearchPlus+ will, in the process of fulfilling the request, retrieve data and/or information from publicly and/or commercially available sources and the CoalSearchPlus+ mining database. The sources of data used will primarily be data held by The Coal Authority under an agreement with the Health and Safety Executive, data owned by the British Geological Survey and the CoalSearchPlus+ database.
17. A CoalSearchPlus+ mining report is a report of the interpretation of the data sources in 16. made by CoalSearchPlus+ staff.
18. CoalSearchPlus+ coal mining search reports are based upon the plans and records available from data sources detailed in 16. at the time the report was produced. It should be understood that third party organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining Subsidence Act 1994. CoalSearchPlus+ cannot be held responsible for changes to the future proposals and intentions of Third Parties.
19. The information and/or material supplied in a CoalSearchPlus+ coal mining report is composed from data based, in many cases, on measurements and records of various standards of reliability and age. In some instances (usually relating to older records) it is necessary for CoalSearchPlus+ to make assumptions regarding the 'best plot' position of mining features. For these reasons users of CoalSearchPlus+ reports should take the position of mining features detailed in reports to be indicative only.
20. The data and/or information that a coal mining search report is based on is constantly being updated. A CoalSearchPlus+ coal mining search report is based on the most up to date information available at the time that the report is produced however it cannot be guaranteed that the information and/or data will not become obsolete at some time in the future. Responsibility for the supply of accurate and up to date information to CoalSearchPlus+ lies with the data supplying organisations listed in 16.
21. A CoalSearchPlus+ coal mining search report relates only to coal mining and minerals worked in relation to coal mining. Other reports may be required in relation to other minerals.
22. A CoalSearchPlus+ coal mining search report is not a substitute for site investigation or a mining survey. Depending on the content of a coal mining search report, or whether development is intended, the Applicant must decide whether a site investigation or mining survey is required.
23. CoalSearchPlus+ coal mining reports comply with the Search Code.

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24. All CoalSearchPlus+ reports are covered by professional indemnity insurance. The content of CoalSearchPlus+ coal mining search reports does not prevent any future claim being made by the Applicant against the Coal Authority in respect of coal mining related subsidence.
25. Any liability in the instance of negligence by CoalSearchPlus+ or its employees in the interpretation of coal mining data and/or the production and provision of coal mining reports will be limited to the extent of the CoalSearchPlus+ Professional Indemnity Insurance or the value of the loss caused by the negligence, whichever is the lower.
26. All CoalSearchPlus+ coal mining search reports give the information detailed in the services section of the CoalSearchPlus+ website and summarised in the report. Further explanation of this information is available in the Glossary and/or the Frequently Asked Questions areas of the CoalSearchPlus+ website. Alternatively contact CoalSearchPlus+ who will be happy to explain the content of a report.
27. The Request is fulfilled when all reports, data and/or information requested by the Applicant have been retrieved and/or compiled by CoalSearchPlus+ and delivered by electronic mail (e-mail) or fax or post or document exchange (DX) or a combination of these methods as required by the Applicant. Alternative delivery arrangements are at the discretion of CoalSearchPlus+.
28. If Requests for multiple reports, data and/or information relating to multiple addresses were made on a single order form these will be fulfilled individually by the delivery of the reports, data and/or information relating to each individual address being treated as an individual Request.
29. CoalSearchPlus+ is not responsible for any loss or misdelivery of retrieved data and/or information caused by failure of Document Exchange (DX), Royal Mail or internet service provider. Most retrieved data and/or information is archived by CoalSearchPlus+ and a copy may be requested by the Applicant. If the data and/or information could not be archived CoalSearchPlus+ reserves the right to treat the request as a new Request.
30. Delivery, by whatever agreed means, will be accompanied by an invoice. Delivery by electronic mail may be followed up with a paper invoice by post or DX. Where Applicants have agreed account facilities with CoalSearchPlus+ invoicing may be on a monthly basis. In all cases the Applicant agrees to provide CoalSearchPlus+ with remuneration for the full amount shown on the invoice, including all Fees, Taxes and Disbursements.
31. The Applicant will be liable for payment of the full invoice amount within 14 days from the date of receipt of the invoice. CoalSearchPlus+ reserve the right to charge for costs and expenses incurred in recovering late payments and to charge interest at the rate of 8% above the Bank of England base rate per annum for the full period that the payments are overdue.
32. Where full payment of the invoice is not made by the Applicant within 14 days from receipt of the invoice CoalSearchPlus+ reserve the right to withdraw account facilities from the Applicant and cancel any individual agreements concerning fees or other Terms and Conditions that may have been made between the Applicant and CoalSearchPlus+.
33. Where possible the Applicant will receive Advance Notice of the cost of the Request, including all Fees, Taxes and Disbursements, prior to receipt of the invoice. This advance notice will take the form of the price for the service requested as published on the CoalSearchPlus+ website, or the price as individually agreed between CoalSearchPlus+ and the Applicant.
34. Additional Fees, Taxes and Disbursements may arise during the course of data and/or information retrieval, over and above Advance Notice costs as in clause 33. The Applicant is liable for any such additional costs. Where possible, the Applicant is notified of additional costs prior to fulfilment of the Request.
35. If the Applicant shall pay in advance of receipt of the invoice, then the Applicant remains liable for any underpayment.
36. Any overpayment on the part of the Applicant will be refunded. Arrangements for refunds are agreed on a case-by-case basis, through discussion between CoalSearchPlus+ and the Applicant.
37. The Applicant may cancel the Request in whole or in part at any time prior to Clause 27.
38. If the Applicant cancels the Request in whole or in part prior to Clause 27, the Applicant remains liable for all Fees, Taxes and Disbursements already accrued prior to the Cancellation.
39. CoalSearchPlus+ accept no liability for any loss incurred by the Applicant or the Applicants client where the Applicant is acting as an agent for a client, due to late fulfilment and delivery of the Request.
40. CoalSearchPlus+ accept no liability for any loss to the Applicant, or the Applicant's client where the Applicant is acting as an agent for a client, due to any negative outcome of a report provided in the process of the correct and accurate fulfilment of the Request.
41. Any disputes relating to the provision of coal mining search reports should be addressed to the Practice Principal, CoalSearchPlus+ in the first instance. Disputes will be settled according to the CoalSearchPlus+ complaints procedure detailed in each report.
42. Third Party and subcontractor Terms and Conditions shall apply in addition to these clauses. Should any conflict arise between CoalSearchPlus+ Terms and Conditions and Third Party or Subcontractor Terms and Conditions, then CoalSearchPlus+ Terms and Conditions prevail unless and until CoalSearchPlus+ expressly states otherwise in writing and/or courts of England and Wales establish otherwise.
43. No variation to these Terms and Conditions is effective unless and until CoalSearchPlus+ expressly agrees in writing.
44. CoalSearchPlus+ reserves the right to alter these terms and conditions as appropriate, without notice, at any time. Such amended Terms and Conditions will become effective upon publication on the CoalSearchPlus+ website.
45. These Terms and conditions are subject to English Law and the exclusive jurisdiction of the courts of England and Wales.



## APPENDIX E

**♣Solmek conditions of offer, notes on limitations & basis for contract (ref: version1/2014)**

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

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

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

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

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

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

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

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

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