

Solum House  
Unit 1 Elliott Court  
St. Johns Road  
Meadowfield  
Durham, DH7 8PN

Tel: (0191) 378 6380  
Fax: (0191) 378 0494

e-mail: [admin@arc-environmental.com](mailto:admin@arc-environmental.com)  
[www.arc-environmental.com](http://www.arc-environmental.com)



## **PHASE 1: DESK TOP STUDY REPORT**

### **HUSBAND AND BROWN**

### **PROPOSED RESIDENTIAL DEVELOPMENT**

### **LAND ADJACENT TO NORTH ROAD**

### **BOLDON COLLIERY**

### **TYNE & WEAR**

### **NE35 9AX**

**Project No: 15-171**

Prepared By:

Sophie Donnison

A handwritten signature in black ink, appearing to read 'S. Donnison'.

Date:

26/03/2015

Approved By:

Kevin Moir

A handwritten signature in black ink, appearing to read 'K. Moir'.

Date:

26/03/2015

The information and/or advice contained in this Phase 1: Desk Top Study Report is based solely on, and is limited to, the boundaries of the site, the immediate area around the site, and the historical use(s) unless otherwise stated. This 'Report' has been prepared in order to collate information relating to the physical, environmental and industrial setting of the site, and to highlight, where possible, the likely problems that might be encountered when considering the future development of this site for the proposed end use. All comments, opinions, diagrams, cross sections and/or sketches contained within the report, and/or any configuration of the findings is conjectural and given for guidance only and confirmation of the anticipated ground conditions should be considered before development proceeds. Agreement for the use or copying of this report by any Third Party must be obtained in writing from Arc Environmental Limited (ARC). If a change in the proposed land use is envisaged, then a reassessment of the site should be carried out.

## CONTENTS

<b>1.0 INTRODUCTION</b>	<b>Page 3</b>
<b>2.0 PHYSICAL SETTING</b>	<b>Page 3</b>
2.1 – Site Details / Reconnaissance Survey	Page 3
<b>3.0 ENVIRONMENTAL SETTING</b>	<b>Page 3</b>
3.1 – Site Geology	Page 3
3.2 – Coal Mining Risk Assessment	Page 4
3.3 – Site Hydrogeology	Page 4
3.4 – Site Hydrology	Page 5
3.5 – Radon Assessment	Page 5
3.6 – Site Ecology	Page 5
3.7 – Estimated Soil Chemistry	Page 6
<b>4.0 INDUSTRIAL SETTING</b>	<b>Page 6</b>
4.1 – Site History	Page 6
4.2 – Landfill & Waste	Page 6
4.3 – Statutory Requirements / Authorisations	Page 7
4.4 – Pollution Incidents and Discharge Consents	Page 7
<b>5.0 CONCEPTUAL SITE MODEL</b>	<b>Page 7</b>
5.1 – Geotechnical Considerations	Page 8
5.2 – Sources of Contamination and Probable Contaminants	Page 8
5.3 – Preliminary Risk Assessment Summary & Recommendations	Page 9
<b>GENERAL REFERENCES</b>	<b>Page 11</b>
<b>Appendix I</b>	<b>Location Plan, Aerial Photograph, Existing Site Layout Plans, Proposed Development Layout Plan &amp; Site Observations - Photographic Record Sheet</b>
<b>Appendix II</b>	<b>Non-Residential Coal Authority Mining Report</b>
<b>Appendix III</b>	<b>Envirocheck Report</b>
<b>Appendix IV</b>	<b>Conceptual Site Model (CSM)</b>



## **1.0 Introduction**

**March 2015**

Arc Environmental Limited has been instructed by Blake Hopkinson Architecture, on behalf of their client Husband and Brown to undertake a Phase 1: Desk Top Study Report for a proposed residential development at land located adjacent to North Road in Boldon Colliery, Tyne & Wear. Proposals involve the construction of 9 no. properties with associated car parking and garden areas.

The primary objectives of this report are to assess the geological and contaminated land conditions on and beneath the surface and a Preliminary Conceptual Site Model (CSM) has been developed to define the scope and extent of any further investigation works deemed necessary, prior to commencing with any future redevelopment works. A site walkover (reconnaissance survey) was completed as part of this report with site photographs included within Appendix I, and all relevant observations noted in Section 2.1 below.

## **2.0 Physical Setting**

### **2.1 Site Details / Reconnaissance Survey:-**

**Table 2.1**

<b>Site Name &amp; Address:</b>	Land adjacent to North Road, Boldon Colliery, Tyne & Wear, NE35 9AX.
<b>National Grid Reference:</b>	434690, 561360 (representative for the central part of the site).
<b>Description of Location:</b>	The site is an area of land, located adjacent to North Road in Boldon Colliery, Tyne & Wear.
<b>Site Boundaries:</b>	N = Residential Properties, E = North Road, W = Allotment Gardens & S = Undeveloped Land.
<b>Site Shape &amp; Development Details:</b>	The site is rectangular in shape, occupying an area of c.0.29 hectares (Ha), where proposals have been made to develop the site for residential purposes. Proposals involve the construction of 9 no. properties with associated car parking and garden areas – See Proposed Development Plan in Appendix I for further detail.
<b>General Topography (AOD):</b>	Generally level. Published information indicates a level of c.33m on the north of the site and c.32m on the south of the site, indicating a slight down gradient towards the south.
<b>Site Surfacing:</b>	Predominantly unmanaged vegetation with small areas of concrete across the site.
<b>Above Ground Structures:</b>	A metal fence runs along the northern boundary and a wooden fence runs along the centre of the site.
<b>Sub-surface Structures &amp; Services:</b>	Prior to commencing with any Phase 2: Ground Investigation Works and the proposed development works various utility searches should be undertaken in order to accurately determine the presence and nature of services which may lie/pass below the site area.

## **3.0 Environmental Setting**

### **3.1 Site Geology:-**

The geological and mining assessment for this site has been based on geological plans and digital online data published by the British Geological Survey (BGS). The following documents have been reviewed as part of this study:-

- Sheet 21, Sunderland, 1:50,000 scale, Solid & Drift Edition.
- BGS 1:10,560 Sheet NZ36SW.
- BGS Digital Mapping.

#### **3.1.1 Made Ground:-**

According to published BGS data the site is not recorded to be underlain by significant thicknesses of made ground deposits. However, made ground may be present below the site associated with previous site history (i.e. demolition of the former buildings).

### **3.0 Environmental Setting (Cont'd)**

#### **3.1 Site Geology (Cont'd):-**

##### **3.1.2 Drift Deposits:-**

BGS plans indicate that the site is underlain by the Pelaw Clay Member, which typically comprises silty clay. An area of solid outcrop is noted c.50m south east of the site.

##### **3.1.3 Solid Geology:-**

From published geological plans, the solid geology underlying the site is shown to comprise the Upper Coal Measures deposited during the Period of the Earth's history known as the Carboniferous. These typically comprise cyclical alternations of sandstone, mudrocks, seatearths and coal seams. The site lies in a complex geological area with faulting surrounding the site.

#### **3.2 Coal Mining Risk Assessment:-**

According to the Coal Authority (CA) Interactive Map for England and Wales, this area lies within a Coal Mining Reporting Area, however, the site lies outwith a 'Development High Risk Area'.

A Non-Residential Coal Authority Mining Report was obtained from the CA (ref. 51000781527001), a copy of which is attached in Appendix II. From information included within the Coal Mining Report, the proposed development is situated within the likely zone of influence from workings in 2 seams of coal at 430m to 520m depth, and last worked in 1953, with the CA noting that any ground movement from these coal workings should have stopped by now. No mine entries are recorded on or within c.20m of the site and there are no records of mine gas emissions requiring action by the CA within the boundary of the property.

From published geological plans, the Hylton Castle coal seam is the nearest coal outcrop to the site, located to the east, dipping away from the site. There are no shallow named coal seams below this site.

From the information obtained and reviewed, no further assessment or intrusive investigation works are required, as there is no significant risk to the site associated with past shallow coal mining activities (i.e. crown hole formation or mine gas).

#### **3.3 Site Hydrogeology:-**

**Table 3.1**

<b>STRATA</b>	<b>Aquifer / Soil Leachability EA Classification</b>	<b>Comments</b>
<b>Made Ground:</b>	Soils of a Low Leaching Potential	Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment.
<b>Drift Geology:</b>	Low permeability drift deposits	The Pelaw Clay Member drift deposits will typically have a low permeability.
<b>Solid Geology:</b>	Secondary A Aquifer	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

- The site is not located within a Source Protection Zone (SPZ).
- There are no Water Abstractions recorded within c.500m of the site.
- A shallow continuous groundwater surface (water table) is not anticipated to be present below this site. However, groundwater is anticipated at depth below the site within the underlying Secondary A Aquifer.



### 3.0 Environmental Setting (Cont'd)

#### 3.4 Site Hydrology:-

**Table 3.2**

<b>SURFACE WATER FEATURE</b>	<b>Location</b>	<b>Comments</b>
<b>GQA Classified River</b>	The River Don is located c.90m east of the site.	The River Don is classified by the EA as River Quality C.
<b>Unclassified Watercourse(s), Canals, Ponds &amp; Lakes</b>	None recorded within c.250m.	~
<b>Flooding</b>	The site does not fall within the designated Flood Zone II & III.	Although the site does not fall within the designated Flood Zone II & III, it is recommended that further consultation with the LA and EA should be made with respect to the potential for flood events in this area and to establish local knowledge of periodic flooding, standing water or poor drainage problems.
<b>Surface Water Flooding (Site Walkover)</b>	~	During the site walkover, no saturated ground/boggy areas were noted on site.
<b>RAINFALL</b>	<b>Measurements (mm)</b>	<b>Comments</b>
<b>Annual</b>	651.1	Based on nearest 'station average' records at Durham recorded from 1981 – 2010.
<b>Precipitation, January</b>	52.3	
<b>Precipitation, July</b>	54.0	

#### 3.5 Radon Assessment:-

The site lies in a lower probability radon area, as less than 1% of homes are above the action level, in accordance with the BGS, National Geoscience Information Service and their assessment suggests that no radon protection measures are necessary for the site.

This corresponds with the BRE Digest, BR211 (2007) Radon: Guidance on protective measures for new buildings, the site is situated within a clear grid square (1km), and therefore no radon protective measures are required for the site.

#### 3.6 Site Ecology:-

**Table 3.3**

<b>FEATURES</b>	<b>Location</b>	<b>Comments</b>
<b>Local Nature Reserves</b>	None recorded within c.250m.	~
<b>Areas of Adopted Green Belt</b>	None recorded within c.250m.	~
<b>Special Protection Areas</b>	None recorded within c.250m.	~
<b>Nitrate Vulnerable Zone</b>	None recorded within c.250m.	~
<b>Other</b>	None recorded within c.250m.	~

At this stage, and from the site walkover survey undertaken, it is not felt that the site is affected by the presence of invasive weed species (i.e. Japanese Knotweed). Whilst the presence of invasive weeds species is likely to be evident during this time of the year, the peak growing season has now finished and these invasive weed species will be in the dormant/hibernation period (typically between October and April). It may be the case that the autumn/winter period is not the most appropriate time of the year to be undertaking a detailed assessment. However, site awareness during future investigation works and during the construction phase for any potential invasive weed species would be considered prudent.

### 3.0 Environmental Setting (Cont'd)

#### 3.7 Estimated Soil Chemistry:-

Data provided by the BGS in relation to estimated soil chemistry for a number of key metals and metalloid elements are summarised in Table 3.3 below.

**Table 3.3**

<u>Element</u>	<u>Location</u>	<u>Estimated Soil Concentrations (mg/kg)</u>
<b>Arsenic</b>	On site	<15
<b>Cadmium</b>	On site	<1.8
<b>Chromium (total)</b>	On site	90 - 120
<b>Lead</b>	On site	<150
<b>Nickel</b>	On site	15 - 30

### 4.0 Industrial Setting

#### 4.1 Site History:-

Copies of old survey plans covering this site and adjacent land are included in Appendix III, and a summary of the site history based on these plans is provided in Table 4.1 below.

**Table 4.1**

<u>Date</u>	<u>Site</u>	<u>Adjacent Areas</u>
c.1862 - c.1897	The site is recorded as undeveloped land.	The River Don is recorded c.90m east of the site and there is a <b>railway line</b> c.250m east.
c.1897 - c.1952	Generally as c.1862 - c.1897.	A school is present to the immediate north of the site. From c.191, a residential area is recorded to the immediate north east and allotment gardens are located to the immediate south east. From c.1939, allotment gardens are also recorded to the immediate west.
c.1952 - c.1988	A kitchen associated with the adjacent school is recorded on the east of the site. An additional building is present on the west from c.1967.	Generally as c.1897 - c.1952.
c.1988 - c.2014	The buildings on site have been <b>demolished</b> .	The school to the north has been <b>demolished</b> .
c.2015 (Present Day)	The site walkover revealed that the site remains undeveloped and is currently occupied by unmanaged vegetation.	Residential properties are recorded to the immediate north.

Significant features / potential contamination sources highlighted in **bold**.

#### 4.2 Landfill & Waste:-

The following information relating to landfill and waste has been obtained from the Envirocheck report (attached in Appendix III) and site reconnaissance (walkover) survey;

- There are no active BGS Recorded Landfill Sites, Registered Landfill Sites or Local Authority Landfill Sites recorded within c.500m of the site.
- There are also no Historical Landfills recorded within c.500m of the site.
- Following a review of historical plans and completion the site reconnaissance walkover survey, made ground may be present below the site associated with previous site history (i.e. demolition of the former buildings), however this is not considered to represent a significant risk of ground gas production/migration.

## 4.0 Industrial Setting (Cont'd)

### 4.2 Landfill & Waste (Cont'd):-

Taking into account the above assessment, this site is not considered to be at significant risk from ground/landfill gas migration and/or production, and as such no further assessment is considered necessary at this stage.

### 4.3 Statutory Requirements / Authorisations:-

Table 4.2

<u>TYPE</u>	<u>Location</u>	<u>Comments</u>
Pollution Prevention and Controls	2 recorded within c.250m.	The entries are located c.171m south west of the site and are both associated with Hashimoto Ltd. These are not felt to represent a significant risk to the site with regards to ground contamination.
Registered Radioactive Substances	None recorded within c.250m.	~
Prosecutions Relating to Authorised Processes Enforcement and Prohibition Notices	1 recorded within c.250m.	The entry was located c.38m north east and was associated with the Unlawful dumping of waste.
Planning Hazardous Substances Consents / Enforcements	None recorded within c.250m.	~
COMAH/NIHHS Sites	None recorded within c.250m.	~
Contemporary Trade Entries	4 recorded within c.250m (3 inactive).	The active entry is located c.97m north east of the site and is not considered to represent a significant risk to the site.
Fuel Station Entries	None recorded within c.250m.	~

### 4.4 Pollution Incidents and Discharge Consents:-

Table 4.3

<u>TYPE</u>	<u>Location</u>	<u>Comments</u>
Discharge Consents	None recorded within c.250m.	~
Water Industry Act Referrals	None recorded within c.250m.	~
Prosecutions Relating to Controlled Waters	None recorded within c.250m.	~
Pollution Incidents to Controlled Waters	1 recorded within c.250m.	The incident was recorded c.47m south of the site and is classified as a Category 2 (Significant Incident). This is not considered to be attributable to the site.
Substantiated Pollution Incident Register	None recorded within c.250m.	~

## 5.0 Conceptual Site Model (CSM)

The Conceptual Site Model (CSM) is one of the primary planning tools that can be used to support the decision making process of managing contaminated land and groundwater on any given site, and allows a better understanding of what needs to be done to achieve risk management, and from this appropriate remediation techniques, if required for those risk management goals can be chosen. This can be done by undertaking a *source-pathway-receptor* analysis of the site. The anticipated *sources*, *pathways* and *receptors* for this site are summarised in Table 5.1 on the following page.

## 5.0 Conceptual Site Model (CSM) (Cont'd)

**Table 5.1**

<i>Sources (S)</i>		<i>Pathways (P)</i>		<i>Receptors (R)</i>	
<b>S1</b>	Potential areas of made ground associated with the previous site history (i.e. demolition of the former buildings on site)	<b>P1</b>	Ingestion	<b>R1</b>	Human health (End users and construction workers)
		<b>P2</b>	Inhalation of indoor / outdoor air	<b>R2</b>	Groundwater in Secondary A Aquifer and River Don to the east
		<b>P3</b>	Dermal contact	<b>R3</b>	Building materials*
		<b>P4</b>	Migration through grounded and existing services	<b>R4</b>	Adjacent sites
		<b>P5</b>	Surface run off and leachate migration	<b>R5</b>	Flora and fauna*
		<b>P6</b>	Direct contact with building materials		

\* = Not included in the Human Health & Controlled Waters Risk Assessment.

A graphical representation of the CSM has been produced for this site and can be seen attached in Appendix IV, which sets out the critical pollutant linkages of concern for this particular site, with regard to contamination as above.

### **5.1 Geotechnical Considerations:-**

The following potential geotechnical issues and hazards have been identified for this site, and these issues should be considered before future development of the site is to take place.

- Actual thickness, origin, variability and condition of made ground present below the site.
- Stability of excavations due to the anticipated significant thickness of made ground and/or geotechnically “poor” drift deposits are present below the site.
- Geotechnical parameters of any natural drift (Pelaw Clay Member) deposits below proposed development area.
- Control of surface drainage.
- The possible presence of active / current services which are likely to pass below the site area.

In order to determine the geotechnical considerations above with more certainty, it is recommended that a program of intrusive works with associated testing are carried out on this site, to aid in assessing the extent of any potential issues prior to commencing with the proposed redevelopment works. Upon completion of these works, detailed foundation proposals for future structures can then be prepared.

The information reviewed indicates that the site can be considered as being located within a **LOW** geotechnical risk setting.

### **5.2 Sources of Contamination and Probable Contaminants:-**

The historical Ordnance Survey maps, the Landmark Envirocheck Report and other environmental information revealed that historically the site has been developed from c.1952, when a kitchen associated with the adjacent school was present on site. This was demolished prior to c.1988 and the site has remained unoccupied.

Taking into account the above, potential on-site contaminative issues have been identified for this site, as listed on the following page:-

## **5.0 Conceptual Site Model (CSM) (Cont'd)**

### **5.2 Sources of Contamination and Probable Contaminants (Cont'd):-**

- Potential areas of made ground associated with the previous site history (i.e. demolition of the former buildings on site).

It is therefore concluded, that ground contamination testing will need to be incorporated into the design of any intrusive investigation works. Laboratory testing should also be undertaken on representative samples taken from site for naturally occurring contaminants which could have a detrimental effect on building materials.

In consideration of the previous comments and when taking into account the guidance contained in the DEFRA and EA Contaminated Land Reports, it may be prudent to test samples of soil from this site for a range of contaminants, as shown below. There are no appropriate DOE Industry Profiles applicable to the past usage of this site.

#### **Soils – Human Health;**

*Typically comprising: Arsenic, Cadmium, Chromium (total, III & VI), Copper, Lead, Mercury, Nickel, Selenium, Zinc, Cyanide, Total Organic Carbon (TOC) & Asbestos.*

In addition, contamination testing for Polycyclic Aromatic Hydrocarbons (PAH's) and Total Petroleum Hydrocarbons (TPH's) should be undertaken if “ashy” materials are encountered or there is any visual or olfactory evidence of fuels/oils present in the ground.

The information reviewed indicates that the site can be considered as being located within a **LOW** ground contamination risk setting for Human Health.

#### **Groundwater / Leachate – Controlled Waters;**

The following issues have been taken into consideration when assessing the risks towards groundwater / Controlled Waters;

- Groundwater is anticipated at depth below the site within the underlying Principal Aquifer.
- There are no Water Abstraction points recorded within c.500m of the site.
- The River Don is located c.90m east of the site.
- Low permeability drift deposits are anticipated below the site.

If the made ground present below the site has elevated levels of contaminants present, based on the soil screening carried out, then targeted leachate/groundwater screening should be completed and the risk to Controlled Waters should be assessed. This can be carried out on an individual analyte by analyte basis.

The information reviewed indicates that the site can be considered as being located within a **LOW** ground contamination risk setting for Controlled Waters.

### **5.3 Preliminary Risk Assessment Summary & Recommendations:-**

**Human Health** – Taking into account previous site usage, i.e. the site has historically been occupied by a kitchen, at this stage there is considered to be an overall low contamination risk setting for human health.



---

## **5.0 Conceptual Site Model (CSM) (Cont'd)**

### **5.3 Preliminary Risk Assessment Summary & Recommendations (Cont'd):-**

Controlled Waters – Following an assessment of the hydrological and hydrogeological conditions, the information reviewed indicates a low ground contamination risk setting for Controlled Waters.

Taking into account the above, it is recommended that a Phase 2: Ground Investigation (intrusive investigation) is completed for this site to determine if any ground contamination is present on the site which could pose a risk towards the proposed end users and / or the environment. This investigation should be completed prior to commencing with any future redevelopment works and should include for the following or similar investigation work;

- A series of boreholes and/or trial pits, including insitu geotechnical testing and sampling, to help aid with future foundation design and to collect samples for subsequent laboratory testing.
- Appropriate laboratory geotechnical testing.
- Contamination screening on selected samples of made ground recovered from the investigation to assess the risks to Human Health and Controlled Waters.
- Site supervision and production of factual and interpretive Phase 2: Ground Investigation Report, including a Level 1 Ground Contamination Risk Assessment for Human Health and The Water Environment.

**End of Report**

## GENERAL REFERENCES

- British Geological Survey: Maps, Reports, Memoirs, etc.
  - Sheet 21, Sunderland, England and Wales, Solid & Drift Editions, 1:50,000 Series.
  - BGS 1:10,560 Sheet NZ36SW.
  - BGS Digital Mapping.
- DoE, DEFRA & EA - Contaminated Land Reports.

CLR 1: A framework for assessing the impact of contaminated land on groundwater and surface water. Report by Aspinwall & Co. Volumes 1 & 2. DoE, 1994.

CLR 2: Guidance on preliminary site inspection of contaminated land. Report by Applied Environmental Research Centre Ltd. Volume 1. DOE, 1994.

CLR 3: Documentary research on industrial sites. Report by RPS Group plc. DoE, 1994.

CLR 4: Sampling strategies for contaminated land. Report by The Centre for Research into the Built Environment, The Nottingham Trent University. DoE, 1994.

CLR 5: Information systems for land contamination. Report by Meta Generics Ltd. DoE, 1994.

CLR 6: Prioritisation & categorisation procedure for sites which may be contaminated. Report by M J Carter Associates. DoE, 1995.

CLR11: Model Procedures for the Management of Land Contamination. DEFRA/EA, 2004.

Science Report Final SC050021/SR2: Human Health Toxicological Assessment of Contaminants in Soils, 2009.

Science Report Final SC50021/SR3: Updated Technical Background to the CLEA Model, 2009.

Science Report SC050021/SR4: CLEA software (version 1.06) handbook, 2009.
- BS10175:2011+A1:2013: Investigation of Potentially Contaminated Sites – Code of Practice.
- BS8576:2013: Guidance on Investigations for Ground Gas, Permanent Gases and Volatile Organic Compounds (VOCs).
- BS5930:1999+A2:2010: Code of Practice for Site Investigations.
- BRE Digest BR211 (2007): Radon: Guidance on Protective Measures for New Buildings.
- Guidance for the Safe Development of Housing on Land Affected by Contamination, R&D66, 2008 (NHBC, EA, CIEH).
- Methane and Associated Hazards to Construction - CIRIA Reports 149,150,151 & 152.
- Assessing Risks Posed by Hazardous Ground Gases to Buildings, CIRIA C665, 2007.
- BS8485: 2007: Code of Practise for the Characterization and Remediation from Ground Gas in Affected Developments.
- CIRIA Report C624 'Development and flood risk – guidance for the construction industry' and Planning Policy Statement 25 (PPS25).
- CIRIA Report C733 'Asbestos in Soil and Made Ground: a guide to understanding and managing risks'.
- Non-Residential Coal Authority Mining Report (ref. 51000797683002).

# **APPENDIX I**

**Location Plan**

**Aerial Photograph**

**Existing Site Layout Plan**

**Proposed Development Layout Plan**

**Site Observations - Photographic Record Sheets**



SCALE 1:20,000 @ A4



Ordnance Survey © Crown Copyright 2014  
All rights reserved. Licence number 100048163.

Client:  
**HUSBAND AND BROWN**

Project Title:  
Proposed Residential Development  
Land Adjacent to North Road  
Boldon Colliery, Tyne & Wear

Drawing Title:  
Location Plan

Job Reference:  
15-171

Drawing Number:  
-

Revision:  
-

Drawn by:  
P.D

Date:  
30.03.15

Scale at A4:  
As Shown

Checked by:  
S.D

Approved by:  
S.D

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.  
© Copyright Reserved

rev.	date	amendments	drawn	chckd

**ARC ENVIRONMENTAL LTD**  
Solum House  
Unit 1 Elliott Court  
St. John's Road  
Meadowfield  
Durham  
DH7 8PN  
Tel: (0191) 378 6380  
Fax: (0191) 378 0494  
e-mail: admin@arc-environmental.com  
web: www.arc-environmental.com








INDICATIVE NORTH  
SCALE 1:500 @ A3



**ARC ENVIRONMENTAL LTD**

Solum House  
Unit 1 Elliott Court  
St. John's Road  
Meadowfield  
Durham, DH7 8PN  
Tel: (0191) 378 6380  
Fax: (0191) 378 0494  
e-mail: admin@arc-environmental.com  
web: www.arc-environmental.com

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.  
© Copyright Reserved

LEGEND	
	APPROXIMATE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

Client:  
**HUSBAND AND BROWN**

Project Title:  
Proposed Residential Development  
Land Adjacent to North Road  
Baldon Colliery, Tyne and Wear, NE35 9AX

Drawing Title:  
Aerial Photograph

Scale at A3: 1:500 @ A3	Date: 30.03.15	Drawn by: P.D	Approved by: S.D
----------------------------	-------------------	------------------	---------------------

Job Ref: 15-171	Drg no: -	Rev: -
--------------------	--------------	-----------





**ARC ENVIRONMENTAL LTD**  
 Solum House  
 Unit 1 Elliott Court  
 St. John's Road  
 Meadowfield  
 Durham, DH7 8PN  
 Tel: (0191) 378 6380  
 Fax: (0191) 378 0494  
 e-mail: admin@arc-environmental.com  
 web: www.arc-environmental.com

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.  
 © Copyright Reserved

LEGEND	
	APPROXIMATE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

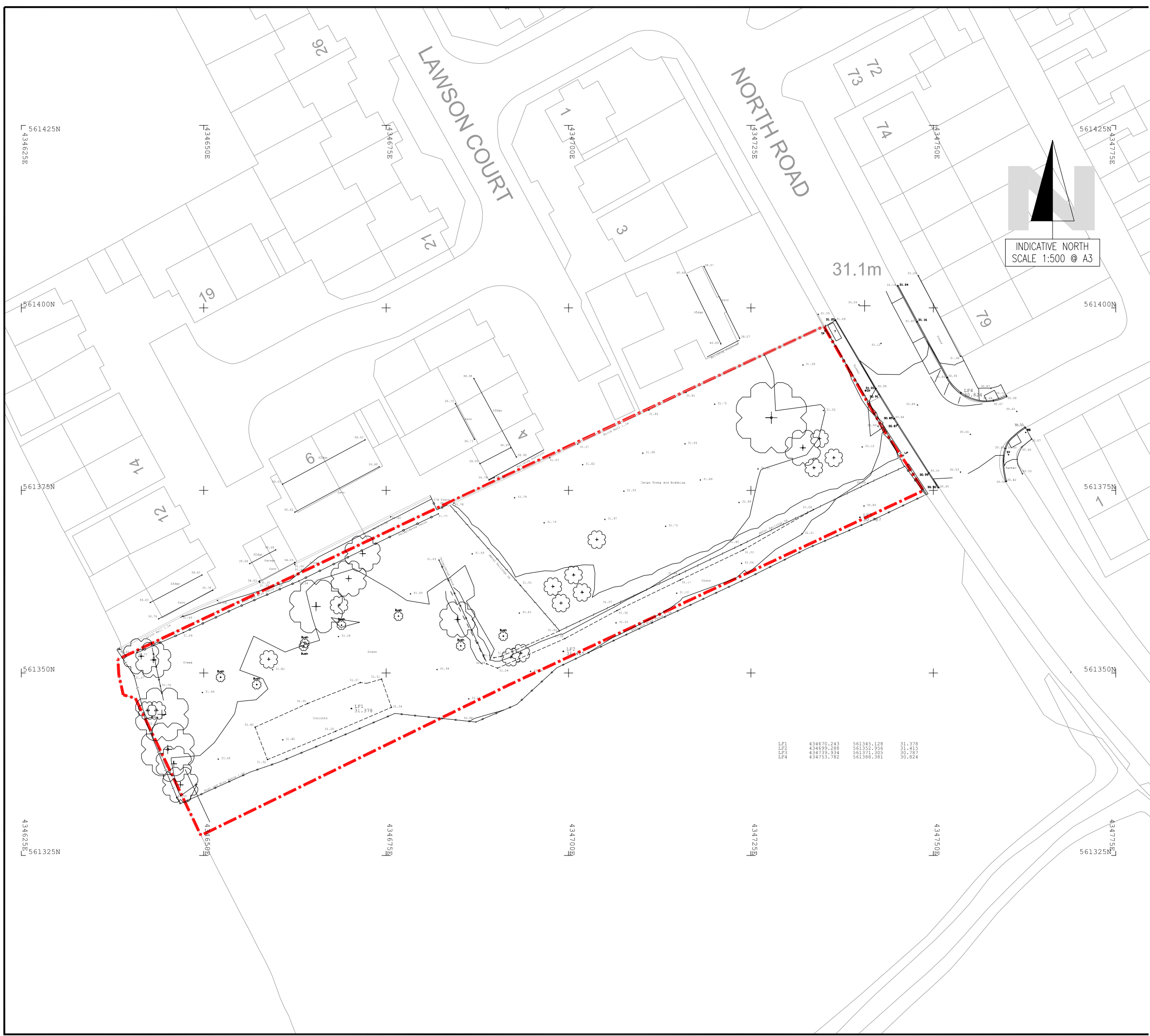
Client:  
**HUSBAND AND BROWN**

Project Title:  
 Proposed Residential Development  
 Land Adjacent to North Road  
 Boldon Colliery, Tyne and Wear, NE35 9AX

Drawing Title:  
 Existing Site Layout Plan

Scale at A3: 1:500 @ A3	Date: 30.03.15	Drawn by: P.D	Approved by: S.D
----------------------------	-------------------	------------------	---------------------

Job Ref: 15-171	Drg no: -	Rev: -
--------------------	--------------	-----------





**ARC ENVIRONMENTAL LTD**  
 Solum House  
 Unit 1 Elliott Court  
 St. John's Road  
 Meadowfield  
 Durham, DH7 8PN  
 Tel: (0191) 378 6380  
 Fax: (0191) 378 0494  
 e-mail: admin@arc-environmental.com  
 web: www.arc-environmental.com

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.  
 © Copyright Reserved

LEGEND	
	APPROXIMATE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

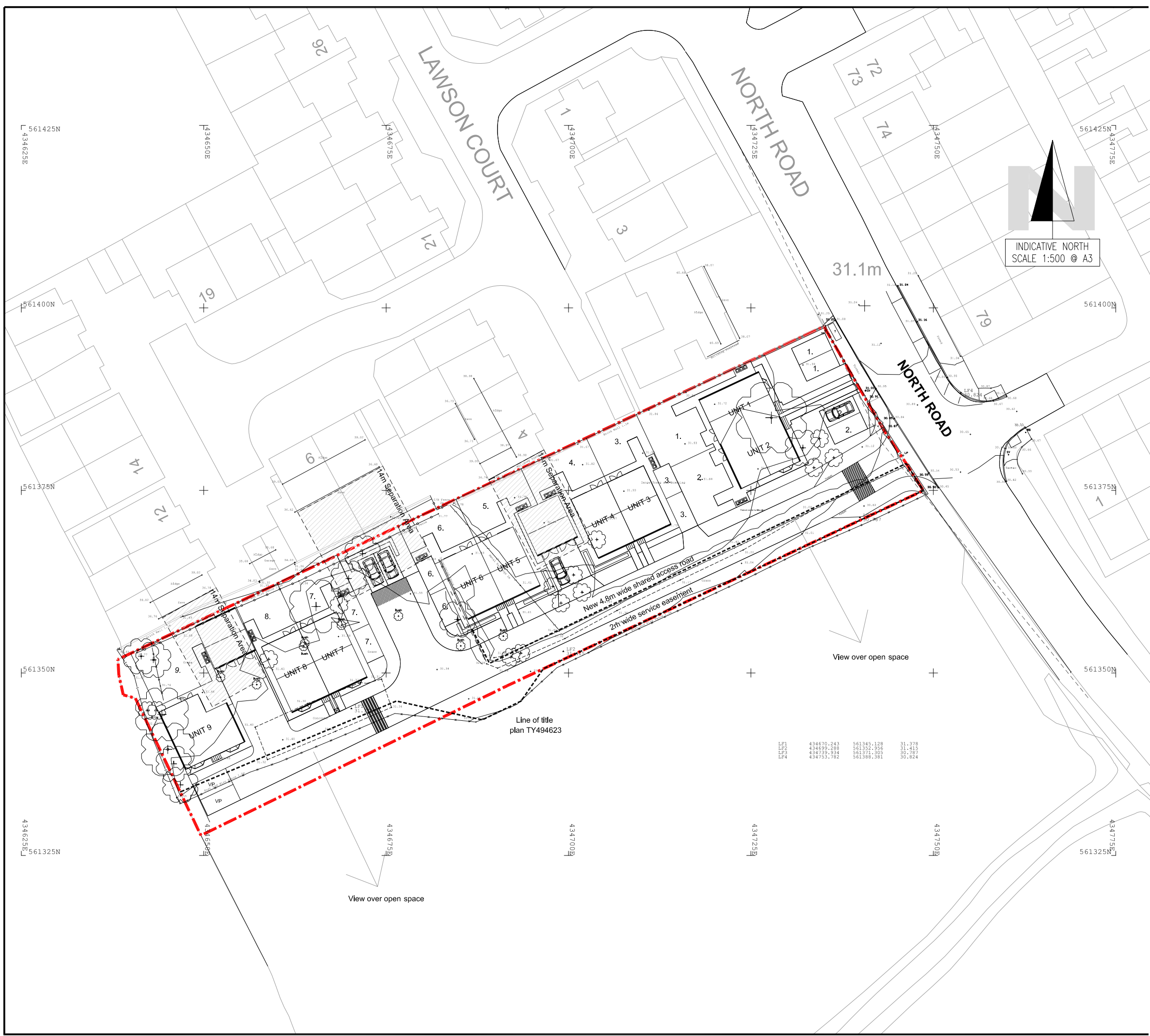
Client:  
**HUSBAND AND BROWN**

Project Title:  
 Proposed Residential Development  
 Land Adjacent to North Road  
 Boldon Colliery, Tyne and Wear, NE35 9AX

Drawing Title:  
 Proposed Development Layout Plan

Scale at A3: 1:500 @ A3	Date: 30.03.15	Drawn by: P.D	Approved by: S.D
----------------------------	-------------------	------------------	---------------------

Job Ref: 15-171	Drg no: -	Rev: -
--------------------	--------------	-----------



434670.243	561345.128	31.378
434669.288	561352.956	31.415
434739.934	561371.305	30.897
434751.782	561388.385	30.864





PLATE 1



PLATE 2



PLATE 3



PLATE 4



PLATE 5



PLATE 6



PLATE 7

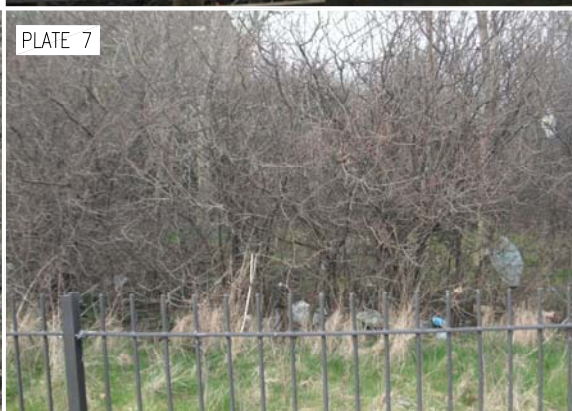


PLATE 8



PLATE 9



PLATE 10



PLATE 11



PLATE 12



PLATE 13



PLATE 14



PLATE 15



PLATE 16



**ARC ENVIRONMENTAL LTD**  
 Solum House  
 Unit 1 Elliott Court  
 St. John's Road  
 Meadowfield  
 Durham, DH7 8PN  
 Tel: (0191) 378 6380  
 Fax: (0191) 378 0494  
 e-mail: admin@arc-environmental.com  
 web: www.arc-environmental.com

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.  
 © Copyright Reserved

**SITE INFORMATION:**

- THE SITE IS AN AREA OF LAND, LOCATED ADJACENT TO NORTH ROAD IN BOLDON COLLIERY, TYNE & WEAR
- THE SITE IS RECTANGULAR IN SHAPE, OCCUPYING AN AREA OF C.0.29 HECTARES (HA), WHERE PROPOSALS HAVE BEEN MADE TO DEVELOP THE SITE FOR RESIDENTIAL PURPOSES
- PROPOSALS INVOLVE THE CONSTRUCTION OF 9 NO. PROPERTIES WITH ASSOCIATED CAR PARKING AND GARDEN AREAS
- THE SITE IS GENERALLY LEVEL
- PUBLISHED INFORMATION INDICATES A LEVEL OF C.33M ON THE NORTH OF THE SITE AND C.32M ON THE SOUTH OF THE SITE, INDICATING A SLIGHT DOWN GRADIENT TOWARDS THE SOUTH
- PREDOMINANTLY UNMANAGED VEGETATION WITH SMALL AREAS OF CONCRETE ACROSS THE SITE
- A METAL FENCE RUNS ALONG THE NORTHERN BOUNDARY AND A WOODEN FENCE RUNS ALONG THE CENTRE OF THE SITE
- PRIOR TO COMMENCING WITH ANY PHASE 2: GROUND INVESTIGATION WORKS AND THE PROPOSED DEVELOPMENT WORKS VARIOUS UTILITY SEARCHES SHOULD BE UNDERTAKEN IN ORDER TO ACCURATELY DETERMINE THE PRESENCE AND NATURE OF SERVICES WHICH MAY LIE/PASS BELOW THE SITE AREA

rev.	date	amendments	drawn	chckd

Client:  
**HUSBAND AND BROWN**

Project Title:  
 Proposed Residential Development  
 Land Adjacent to North Road  
 Boldon Colliery, Tyne and Wear, NE35 9AX

Drawing Title:  
 Site Photographic Record Sheet (1)

Scale at A3: NTS @ A3	Date: 30.03.15	Drawn by: P.D	Approved by: S.D
--------------------------	-------------------	------------------	---------------------

Job Ref: 15-171	Drg no: -	Rev: -
--------------------	--------------	-----------





**ARC ENVIRONMENTAL LTD**  
 Solum House  
 Unit 1 Elliott Court  
 St. John's Road  
 Meadowfield  
 Durham, DH7 8PN  
 Tel: (0191) 378 6380  
 Fax: (0191) 378 0494  
 e-mail: admin@arc-environmental.com  
 web: www.arc-environmental.com

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.  
 © Copyright Reserved

**SITE INFORMATION:**

- THE SITE IS AN AREA OF LAND, LOCATED ADJACENT TO NORTH ROAD IN BOLDON COLLIERY, TYNE & WEAR
- THE SITE IS RECTANGULAR IN SHAPE, OCCUPYING AN AREA OF C.0.29 HECTARES (HA), WHERE PROPOSALS HAVE BEEN MADE TO DEVELOP THE SITE FOR RESIDENTIAL PURPOSES
- PROPOSALS INVOLVE THE CONSTRUCTION OF 9 NO. PROPERTIES WITH ASSOCIATED CAR PARKING AND GARDEN AREAS
- THE SITE IS GENERALLY LEVEL
- PUBLISHED INFORMATION INDICATES A LEVEL OF C.33M ON THE NORTH OF THE SITE AND C.32M ON THE SOUTH OF THE SITE, INDICATING A SLIGHT DOWN GRADIENT TOWARDS THE SOUTH
- PREDOMINANTLY UNMANAGED VEGETATION WITH SMALL AREAS OF CONCRETE ACROSS THE SITE
- A METAL FENCE RUNS ALONG THE NORTHERN BOUNDARY AND A WOODEN FENCE RUNS ALONG THE CENTRE OF THE SITE
- PRIOR TO COMMENCING WITH ANY PHASE 2: GROUND INVESTIGATION WORKS AND THE PROPOSED DEVELOPMENT WORKS VARIOUS UTILITY SEARCHES SHOULD BE UNDERTAKEN IN ORDER TO ACCURATELY DETERMINE THE PRESENCE AND NATURE OF SERVICES WHICH MAY LIE/PASS BELOW THE SITE AREA

rev.	date	amendments	drawn	chckd

Client:  
**HUSBAND AND BROWN**

Project Title:  
 Proposed Residential Development  
 Land Adjacent to North Road  
 Boldon Colliery, Tyne and Wear, NE35 9AX

Drawing Title:  
 Site Photographic Record Sheet (2)

Scale at A3: NTS @ A3	Date: 30.03.15	Drawn by: P.D	Approved by: S.D
--------------------------	-------------------	------------------	---------------------

Job Ref: 15-171	Drg no: -	Rev: -
--------------------	--------------	-----------



# **APPENDIX II**

## **Non-Residential Coal Authority Mining Report**





Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG  
Website: www.groundstability.com Phone: 0345 762 6848 DX 716176 MANSFIELD 5

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

Our reference: **51000781527001**  
Your reference: **65103206\_2|**  
Date of your enquiry: **05 March 2015**  
Date we received your enquiry: **05 March 2015**  
Date of issue: **05 March 2015**

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

**Non-Residential Coal Authority Mining Report**

**LAND ADJACENT TO NORTH ROAD, BOLDON COLLIERY, TYNE & WEAR,**

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

Coal mining	See comments below
Brine Compensation District	No

***Information from the Coal Authority***

**Underground coal mining**

**Past**

The property is in the likely zone of influence from workings in 2 seams of coal at 430m to 520m depth, and last worked in 1953.

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

**Present**

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

**Future**

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

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

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

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

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

### **Mine entries**

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

### **Coal mining geology**

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

### **Opencast coal mining**

#### **Past**

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

#### **Present**

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

#### **Future**

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

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

### **Coal mining subsidence**

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31st October 1994.

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

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

### **Mine gas**

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

### **Hazards related to coal mining**

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

### **Withdrawal of support**

The property is not in an area for which a notice of entitlement to withdraw support has been published.

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

### **Working facilities orders**

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

### **Payments to owners of former copyhold land**

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

***Information from the Cheshire Brine Subsidence Compensation Board***

The property lies outside the Cheshire Brine Compensation District.

***Additional Remarks***

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our database right. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

## Location map



Approximate position of property

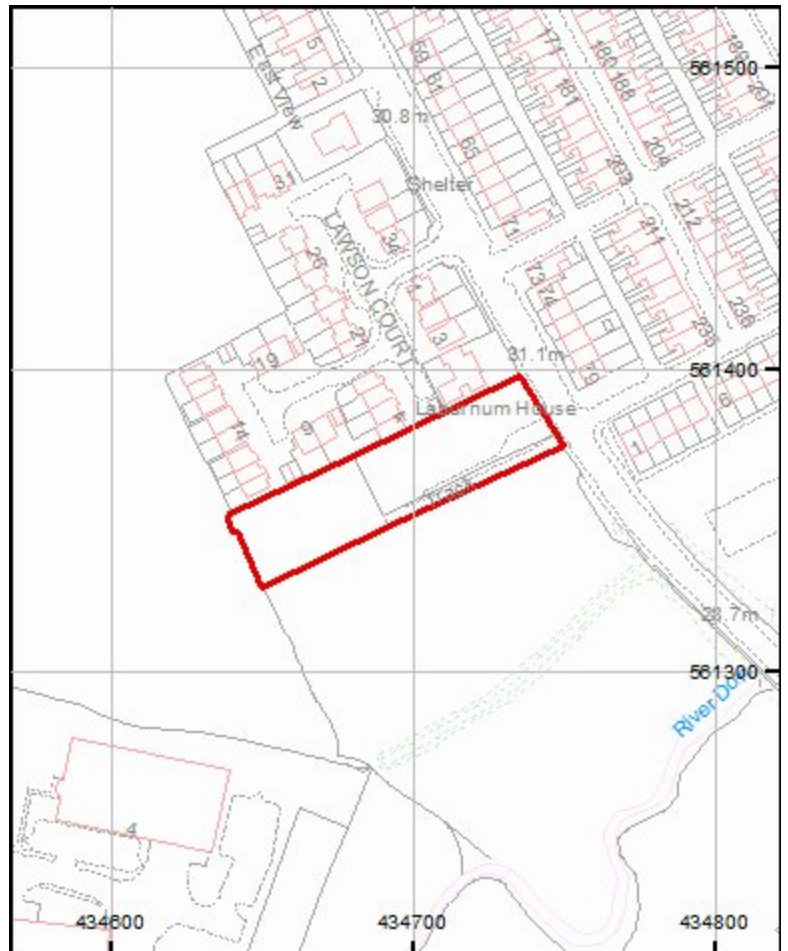


## Enquiry boundary

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2015. All rights reserved. Ordnance Survey Licence number: 100020315

## Key

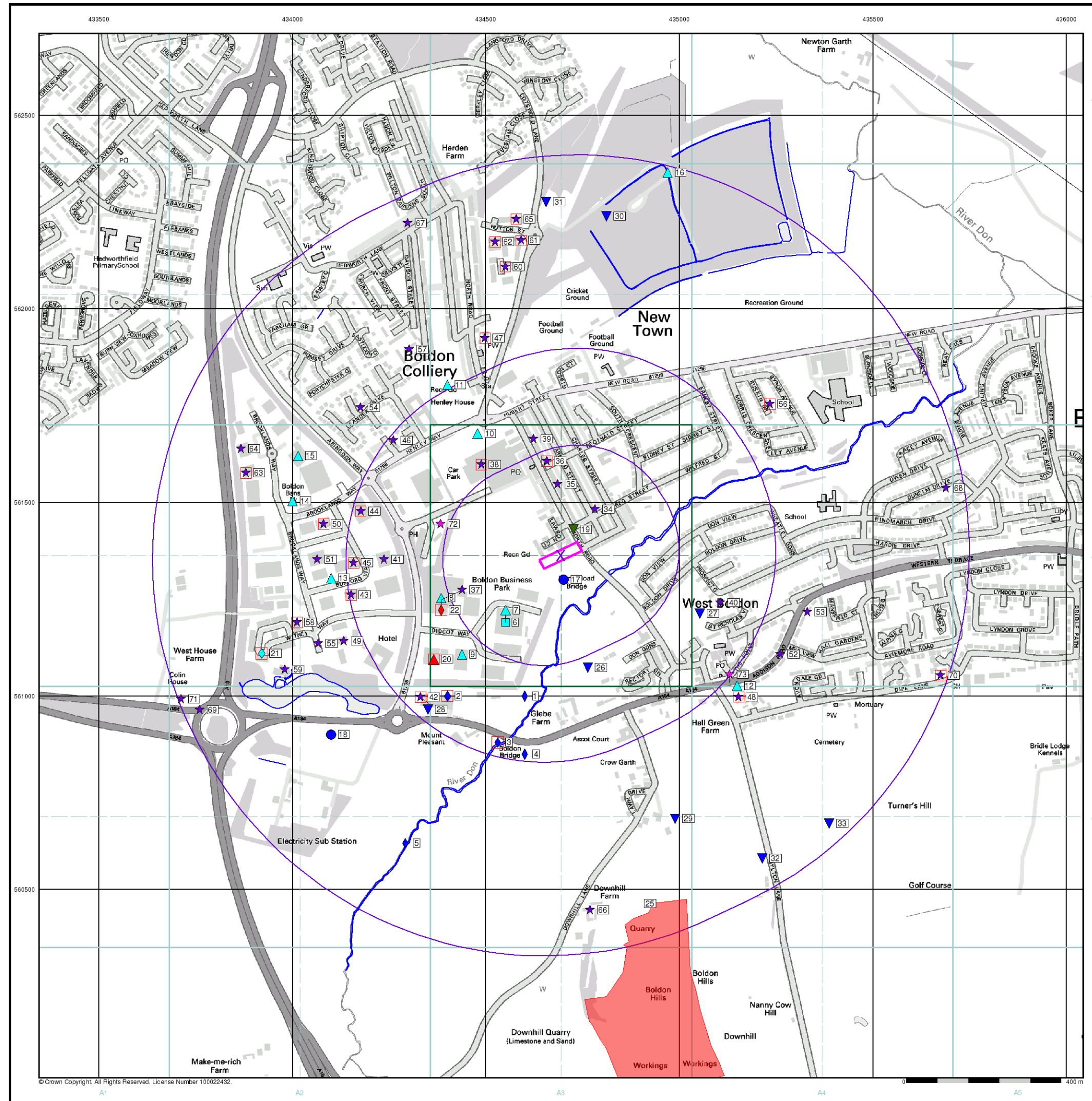
Approximate position of enquiry boundary shown



# **APPENDIX III**

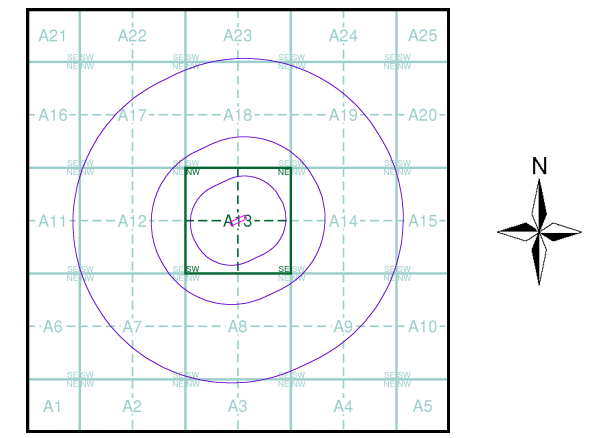
## **Envirocheck Report**





- 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 - Slice A**



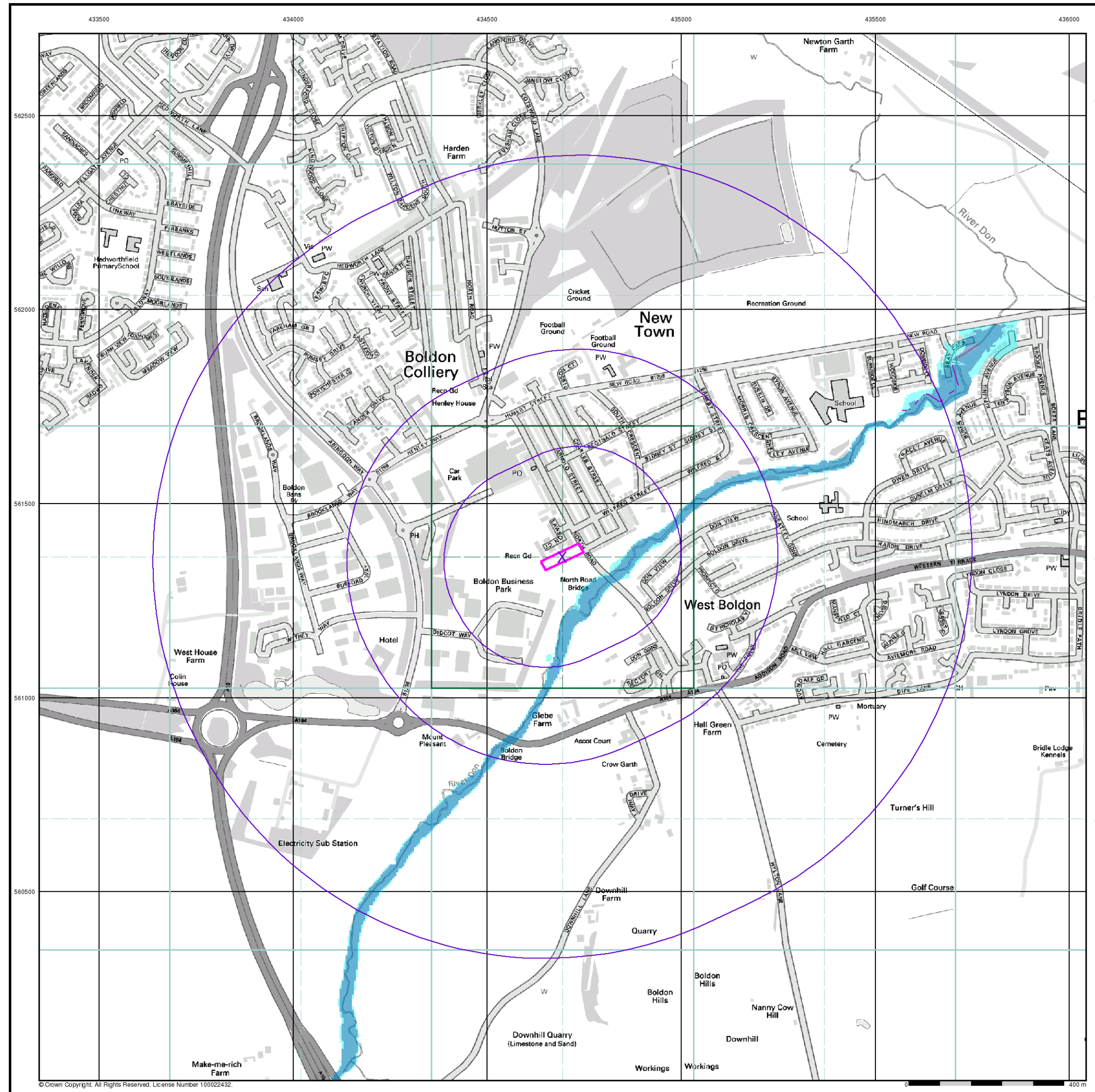
**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX





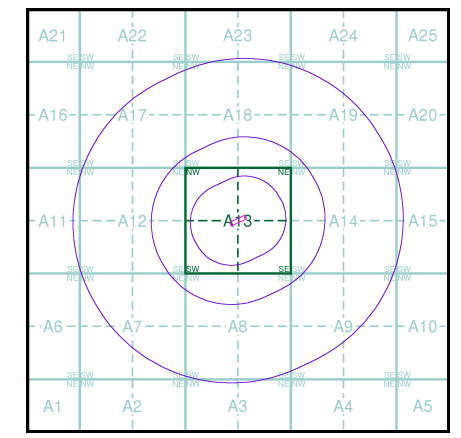
**General**

- 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: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

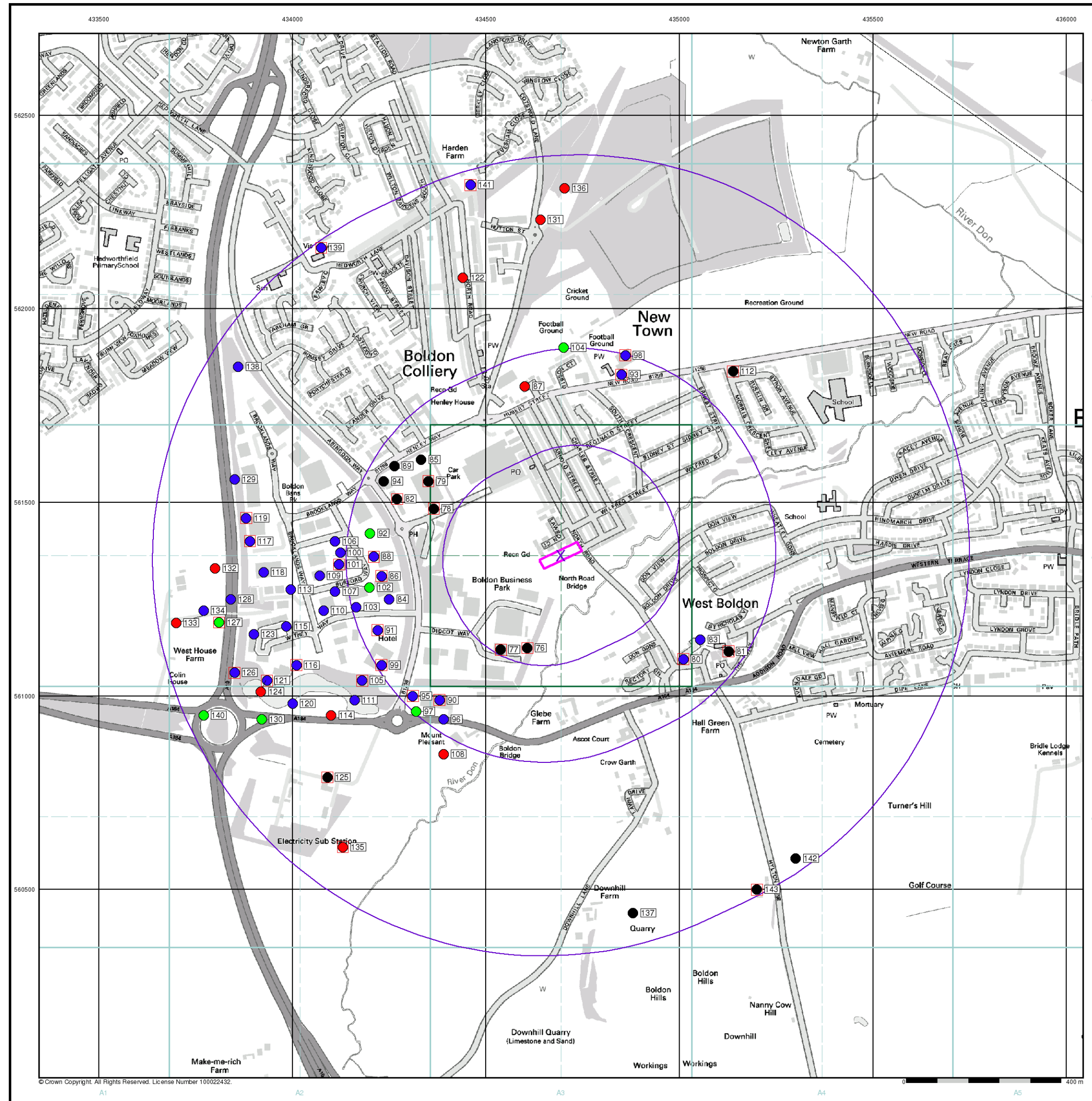
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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

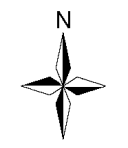
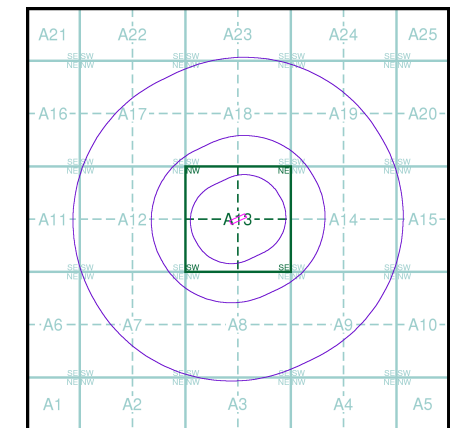
**Agency and Hydrological (Boreholes)**

- 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: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

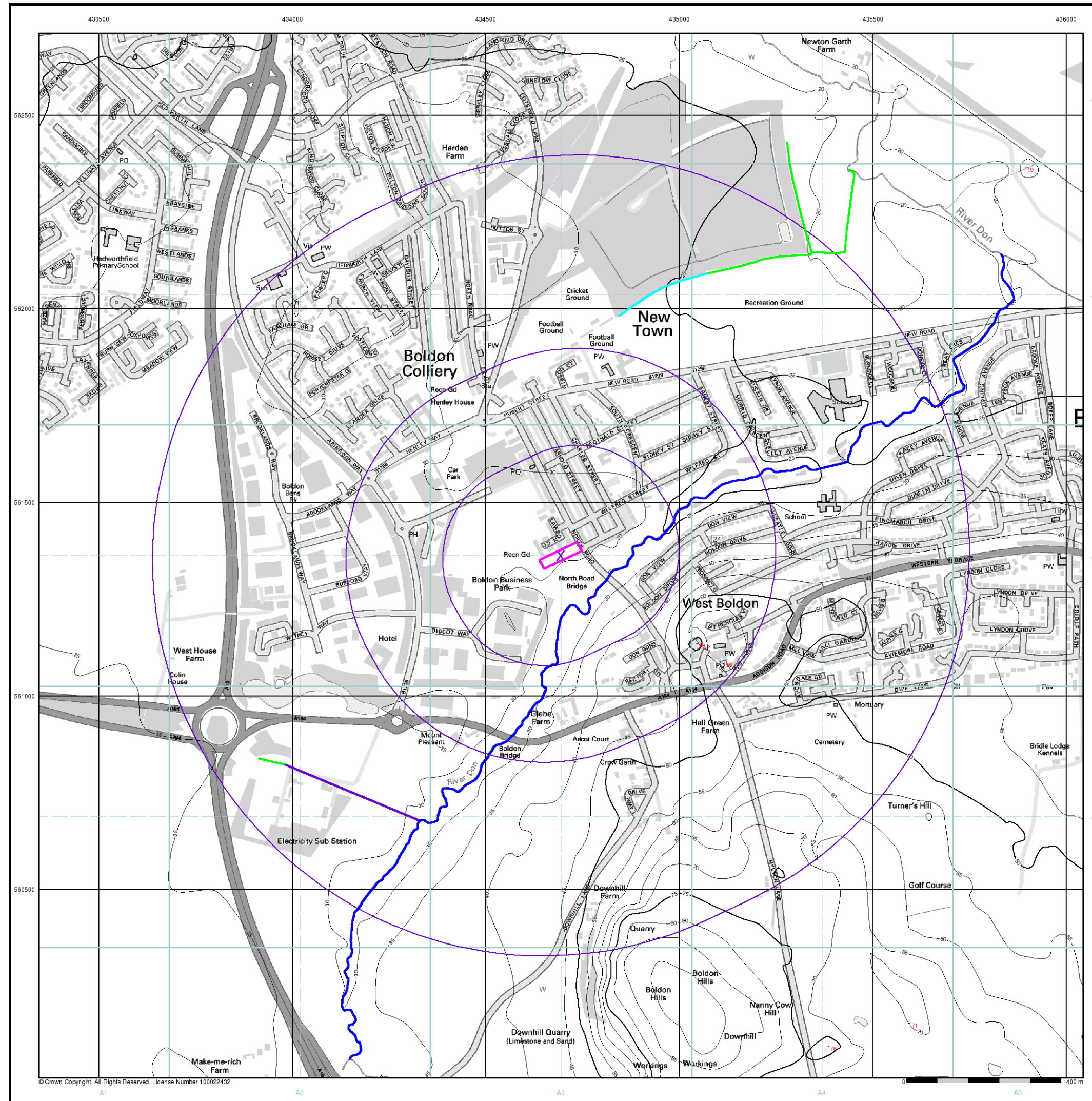
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





**General**

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

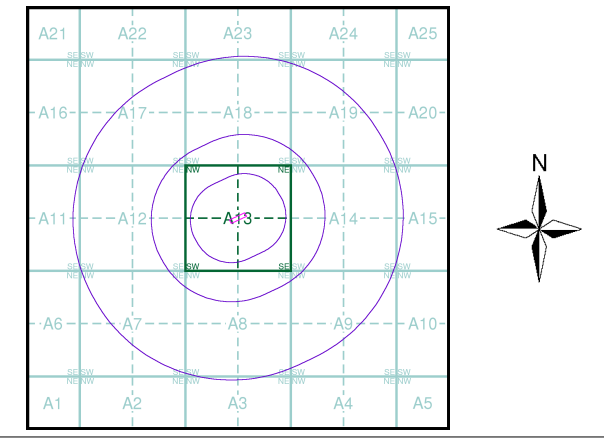
**Detailed River Network Data**

- 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

**E/ANRW Detailed River Network Map - Slice A**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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



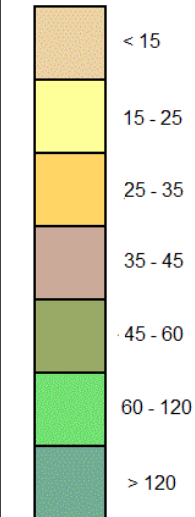


**General**

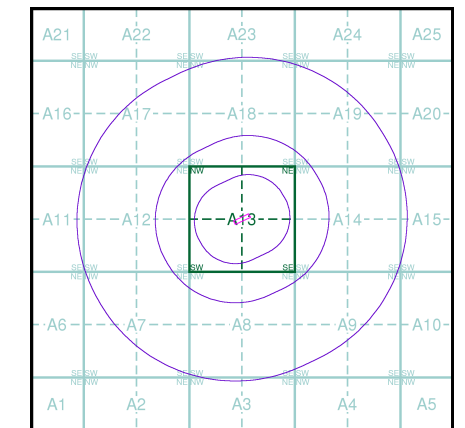
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Estimated Soil Chemistry Arsenic**

Arsenic Concentrations mg/kg



**Estimated Soil Chemistry Arsenic - Slice A**



**Order Details**

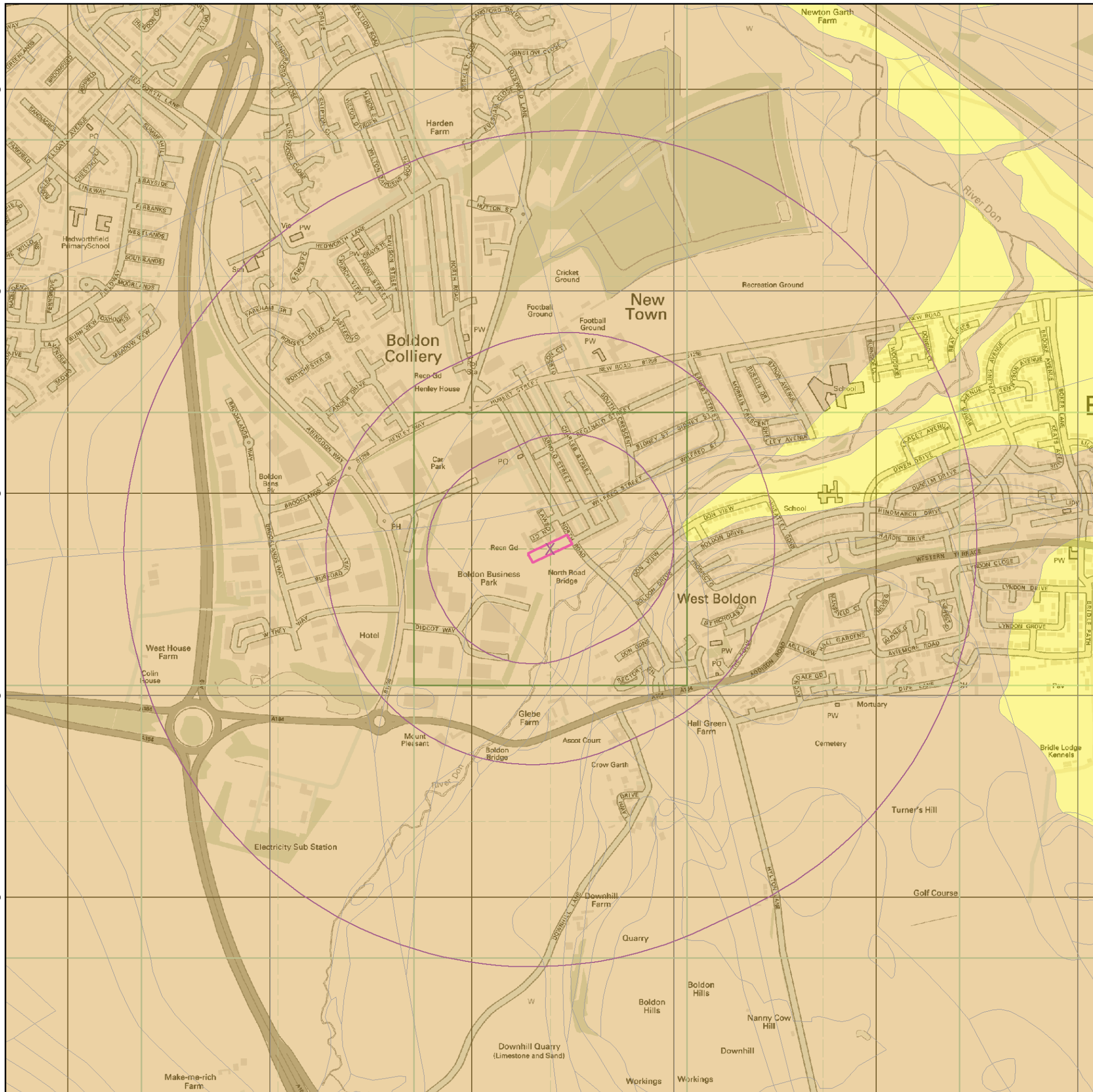
Order Details: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





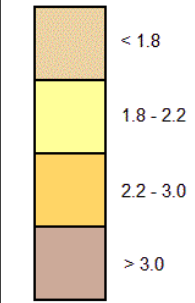


**General**

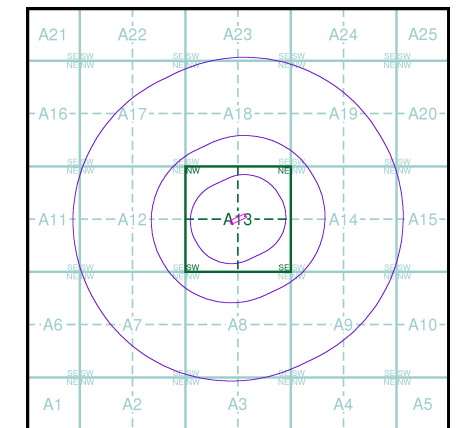
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Estimated Soil Chemistry Cadmium**

Cadmium Concentrations mg/kg



**Estimated Soil Chemistry Cadmium - Slice A**



**Order Details**

Order Details: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





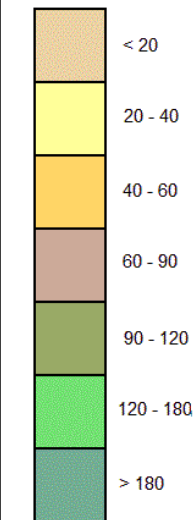


**General**

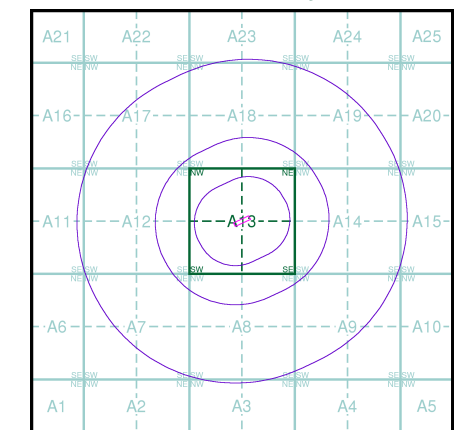
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Estimated Soil Chemistry Chromium**

Chromium Concentrations mg/kg



**Estimated Soil Chemistry Chromium - Slice A**



**Order Details**

Order Details: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





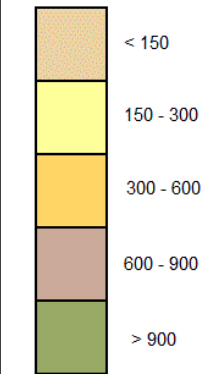


**General**

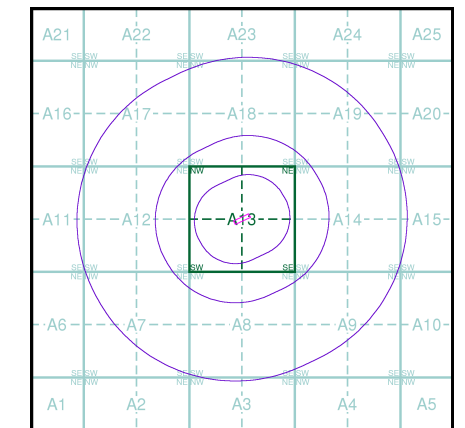
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Estimated Soil Chemistry Lead**

Lead Concentrations mg/kg



**Estimated Soil Chemistry Lead - Slice A**



**Order Details**

Order Details: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





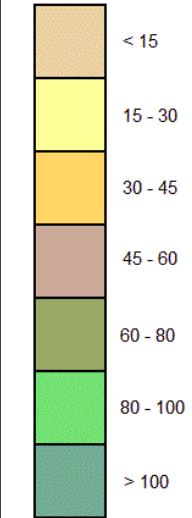


**General**

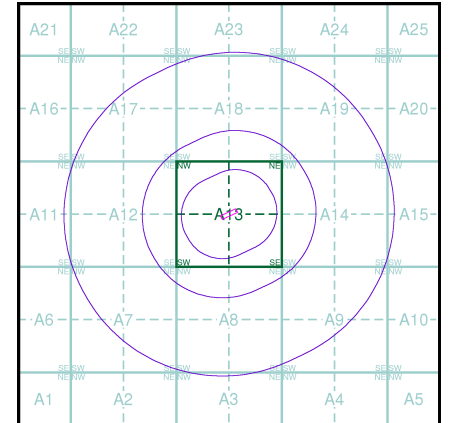
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Estimated Soil Chemistry Nickel**

Nickel Concentrations mg/kg



**Estimated Soil Chemistry Nickel - Slice A**



**Order Details**

Order Details: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX

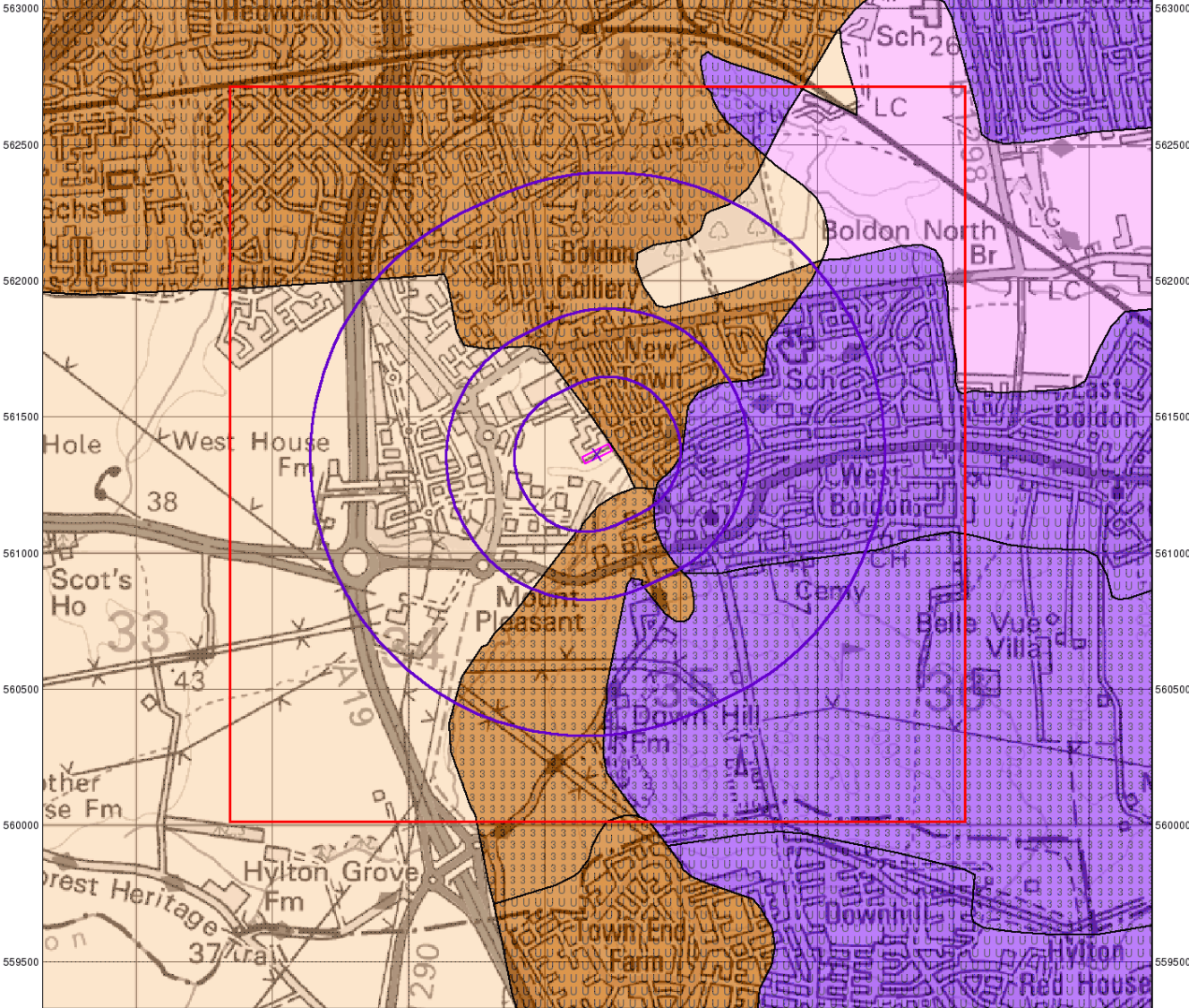


Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk





433000 433500 434000 434500 435000 435500 436000 436500



© Crown Copyright. All Rights Reserved. License Number 100022432



## 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

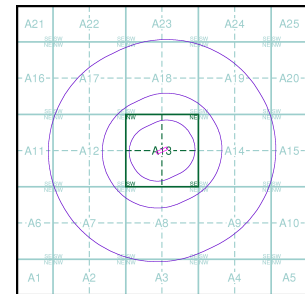
#### Non Aquifer (Negligibly Permeable)

Water or Sea

#### Drift Deposit

#### Soil Classes

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

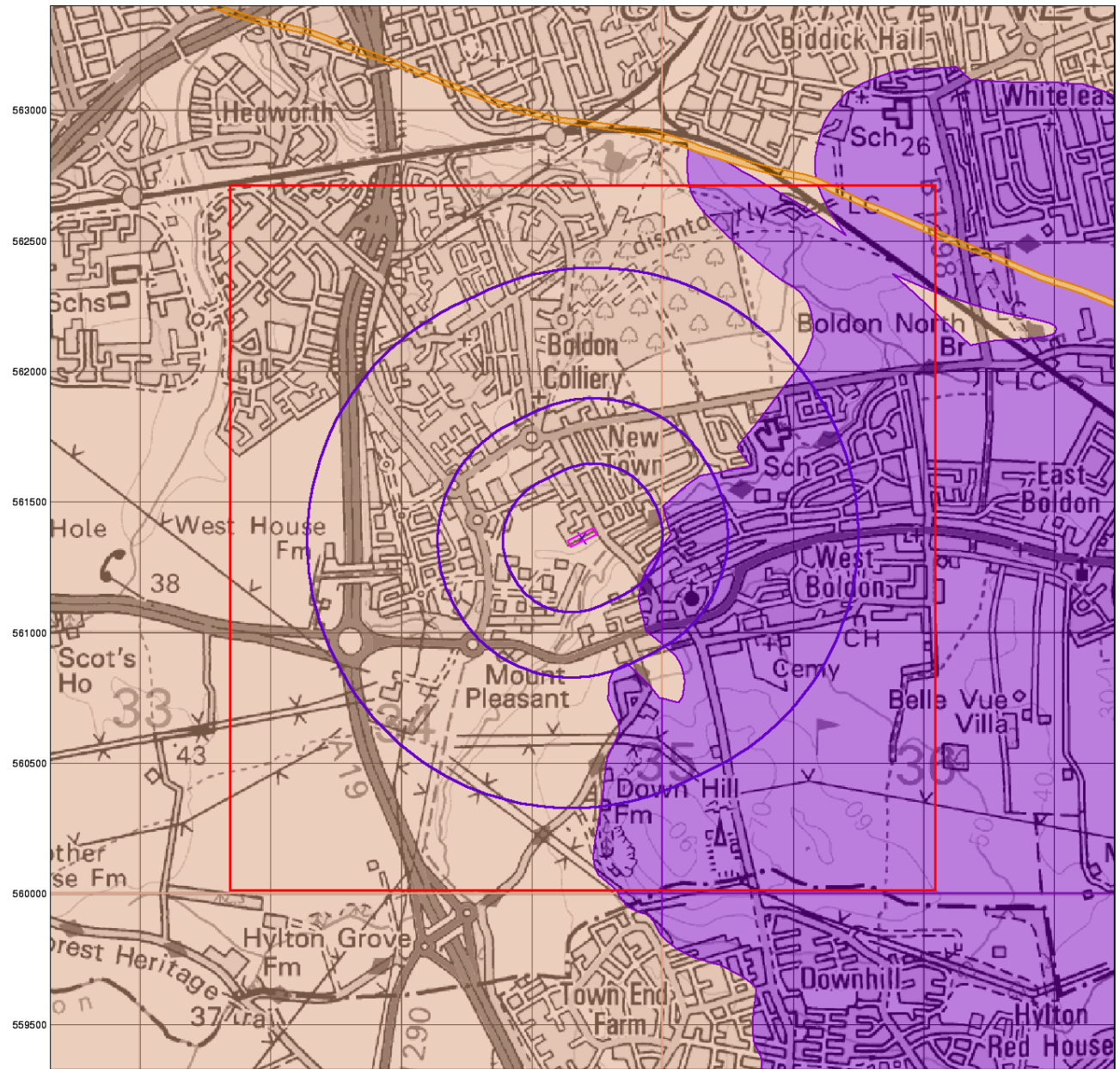
### Site Details

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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

433000 433500 434000 434500 435000 435500 436000 436500



© Crown Copyright. All Rights Reserved. License Number 100022432

0 1 km



## Bedrock Aquifer Designation

### General

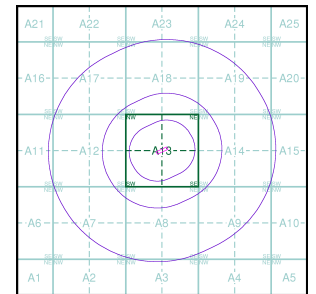
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

### Site Details

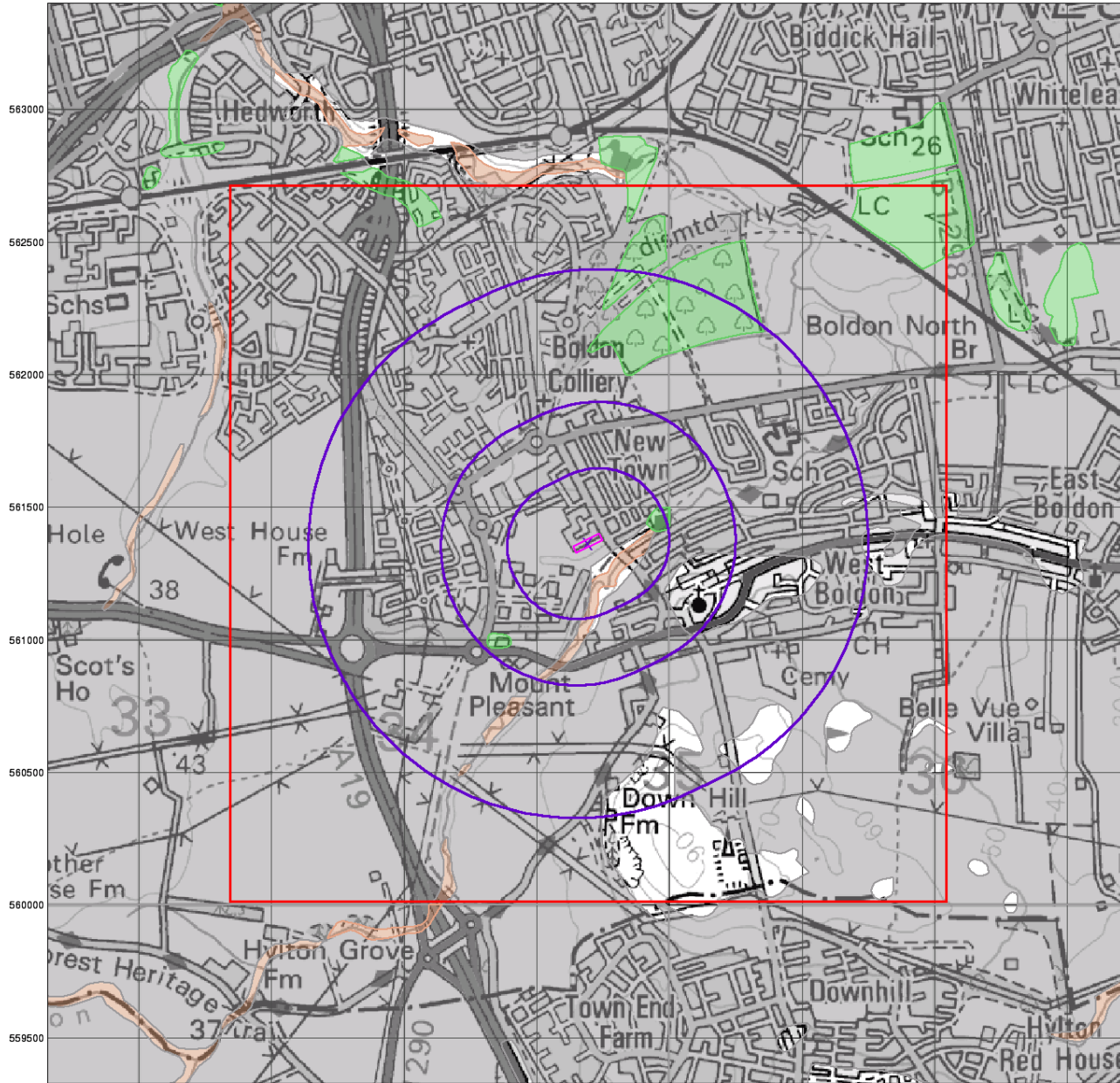
Land adjacent to North Road, Boldon Colliery, NE35 9AX



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



433000 433500 434000 434500 435000 435500 436000 436500



© Crown Copyright. All Rights Reserved. License Number 100022432

0 1 km



## Superficial Aquifer Designation

### General

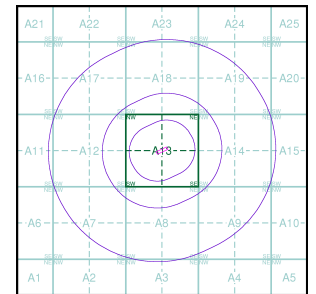
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

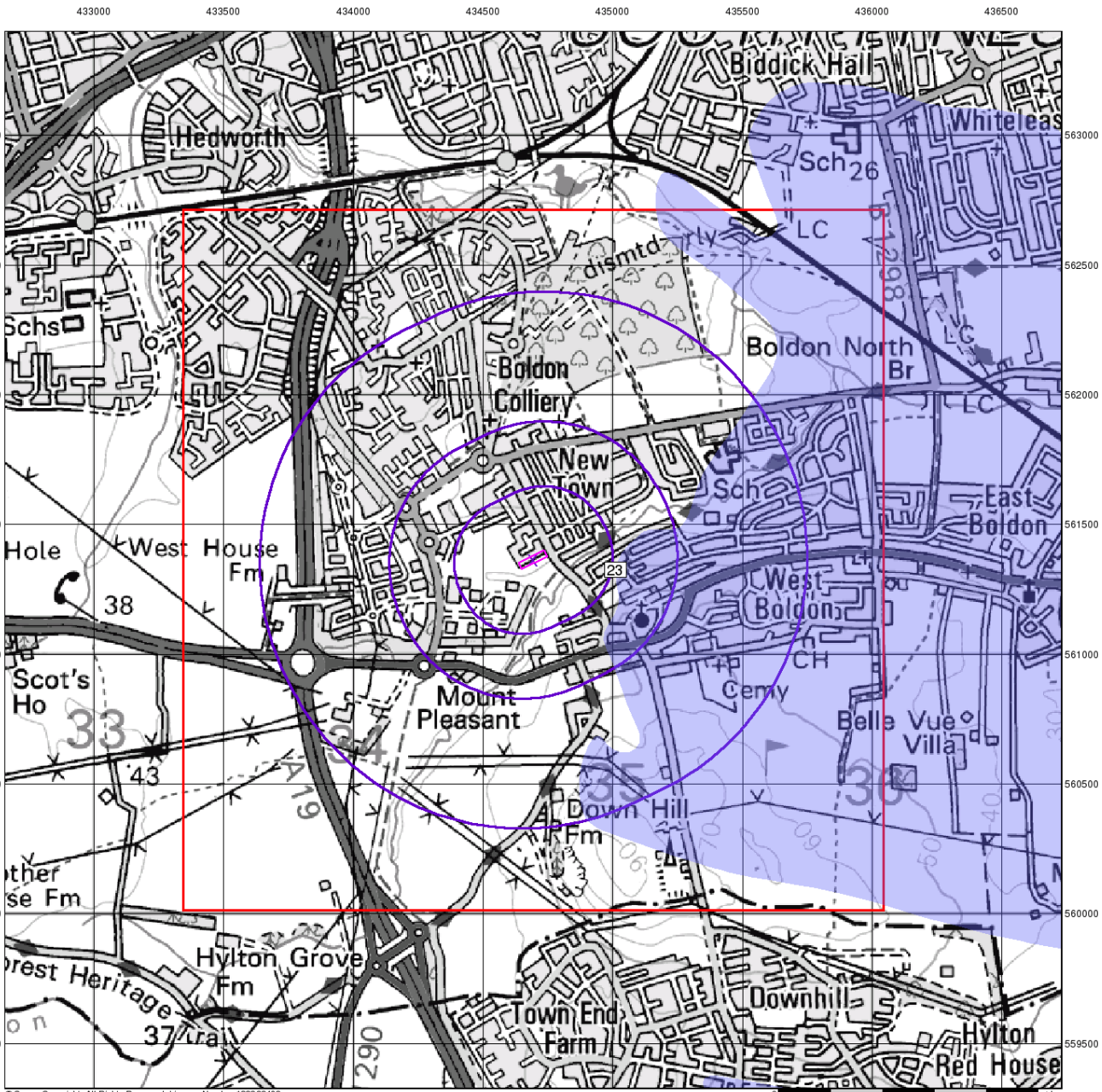
### Site Details

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





© Crown Copyright. All Rights Reserved. License Number 100022432



## Source Protection Zones

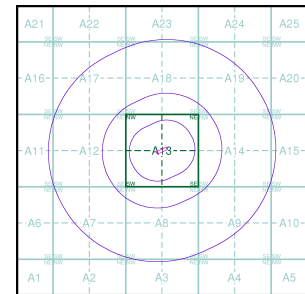
### General

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

### Agency and Hydrological

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

### Site Sensitivity Context Map - Slice A



### Order Details

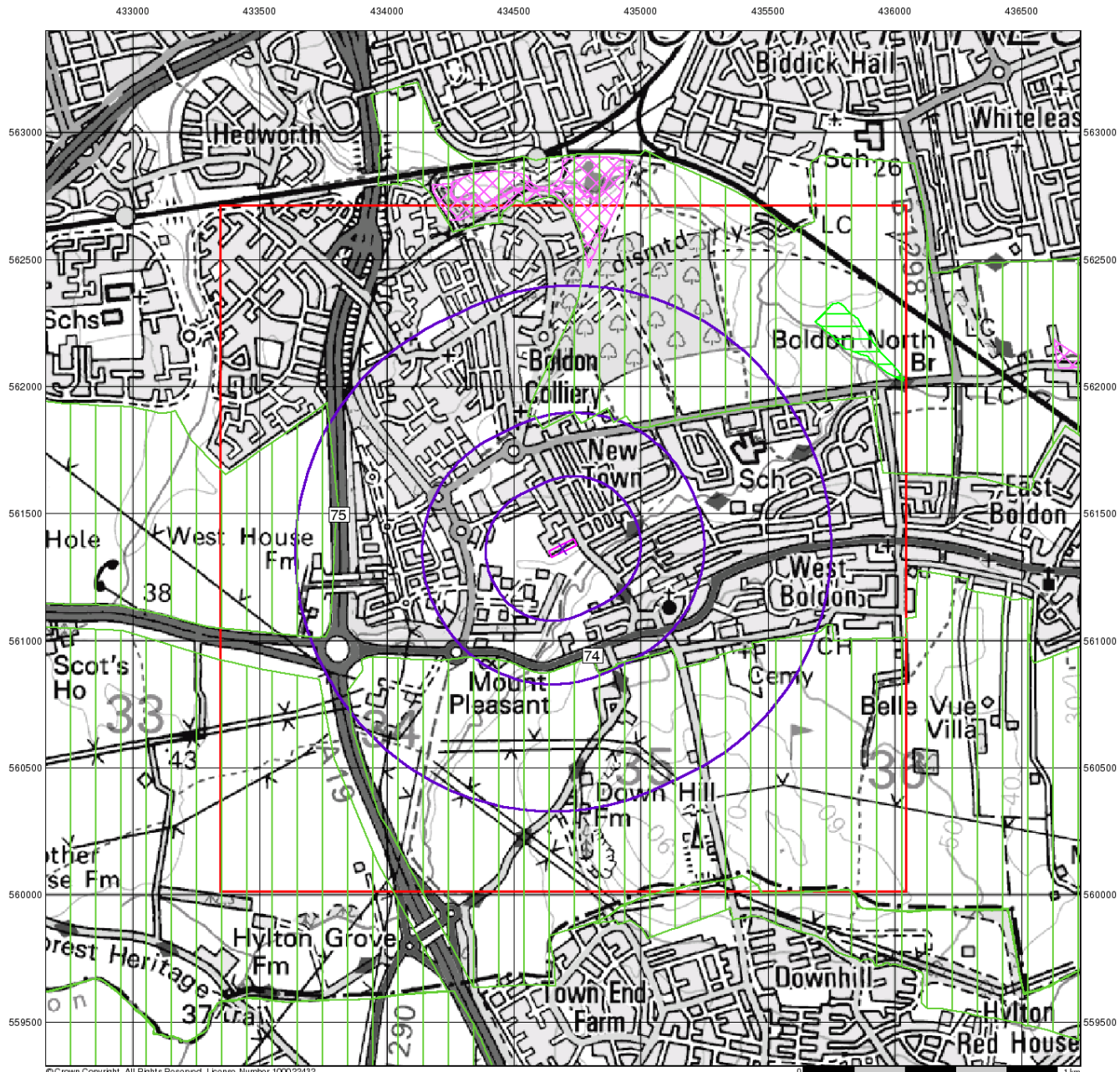
Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

### Site Details

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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



© Crown Copyright. All Rights Reserved. License Number 100022432



## Sensitive Land Uses

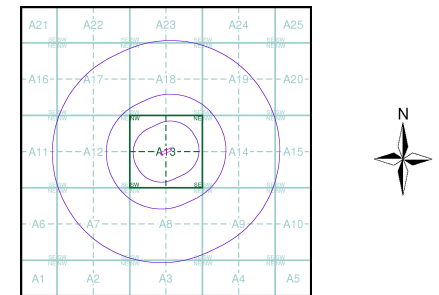
### General

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

### Sensitive Land Uses

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

### Site Details

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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



# Historical Mapping Legends

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

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

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

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

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

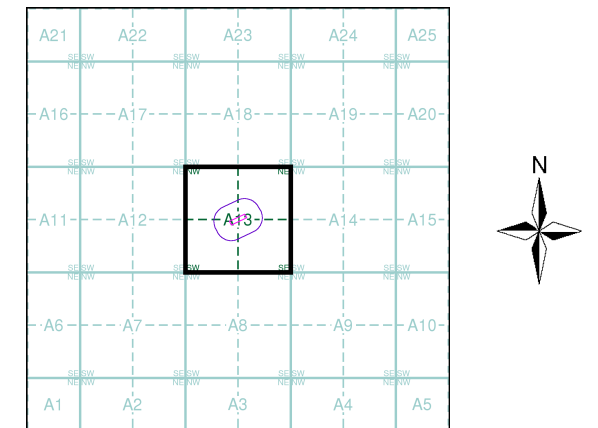
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:2,500	1857 - 1880	2
Durham	1:2,500	1895	3
Durham	1:2,500	1896 - 1897	4
Durham	1:2,500	1919	5
Durham	1:2,500	1939	6
Ordnance Survey Plan	1:1,250	1956 - 1958	7
Ordnance Survey Plan	1:2,500	1956 - 1958	8
Additional SIMs	1:1,250	1956 - 1988	9
Ordnance Survey Plan	1:1,250	1967 - 1975	10
Ordnance Survey Plan	1:2,500	1969	11
Supply of Unpublished Survey Information	1:1,250	1974	12
Supply of Unpublished Survey Information	1:1,250	1974	13
Ordnance Survey Plan	1:1,250	1977	14
Additional SIMs	1:1,250	1981 - 1991	15
Additional SIMs	1:1,250	1984 - 1991	16
Additional SIMs	1:1,250	1992	17
Large-Scale National Grid Data	1:1,250	1993	18
Large-Scale National Grid Data	1:1,250	1994	19
Large-Scale National Grid Data	1:1,250	1994	20
Large-Scale National Grid Data	1:1,250	1996	21

## Historical Map - Segment A13



## Order Details

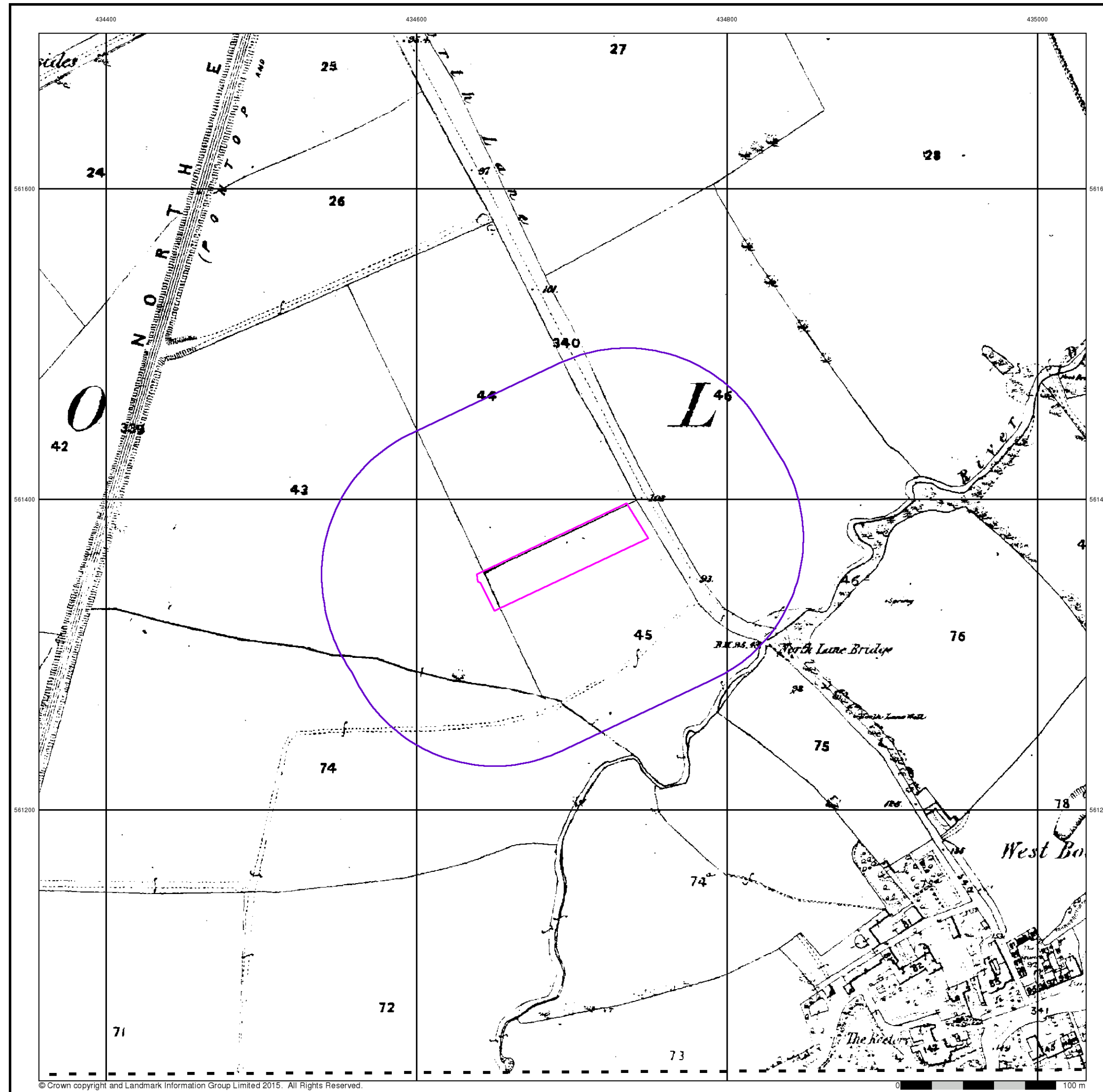
Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

## Site Details

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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



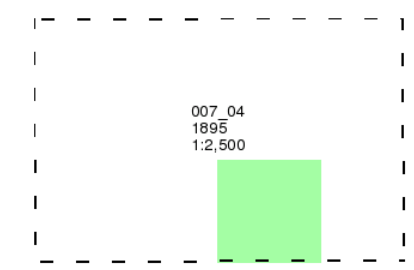
**Durham**

**Published 1895**

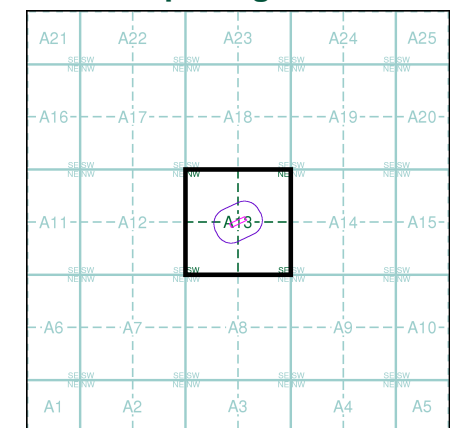
**Source map scale - 1:2,500**

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

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



**Historical Map - Segment A13**



**Order Details**

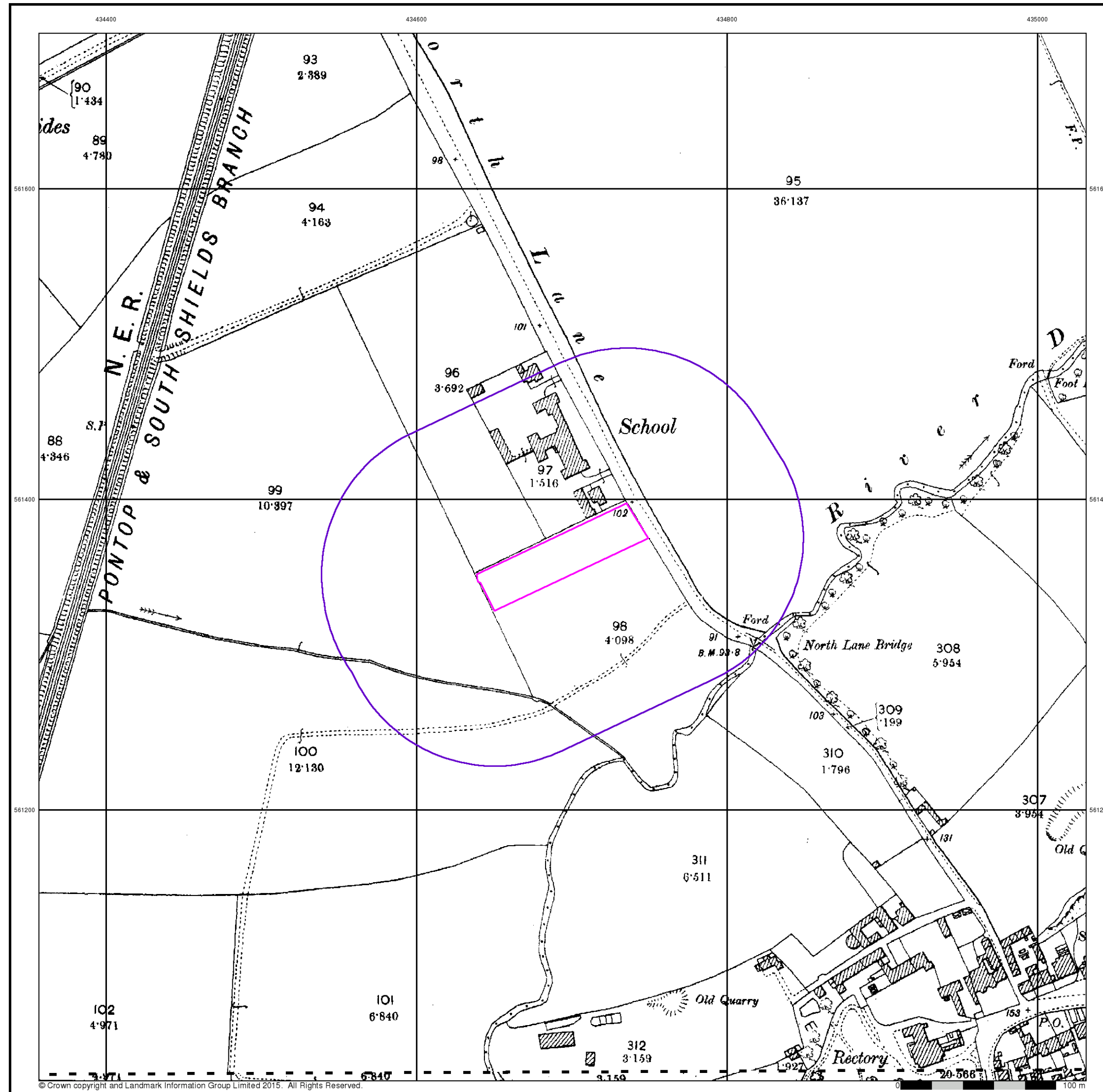
Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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



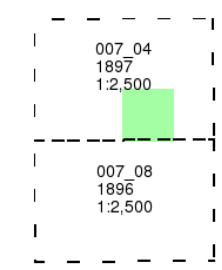
**Durham**

**Published 1896 - 1897**

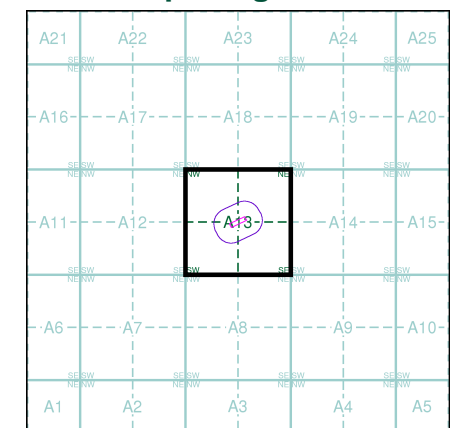
**Source map scale - 1:2,500**

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

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



**Historical Map - Segment A13**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

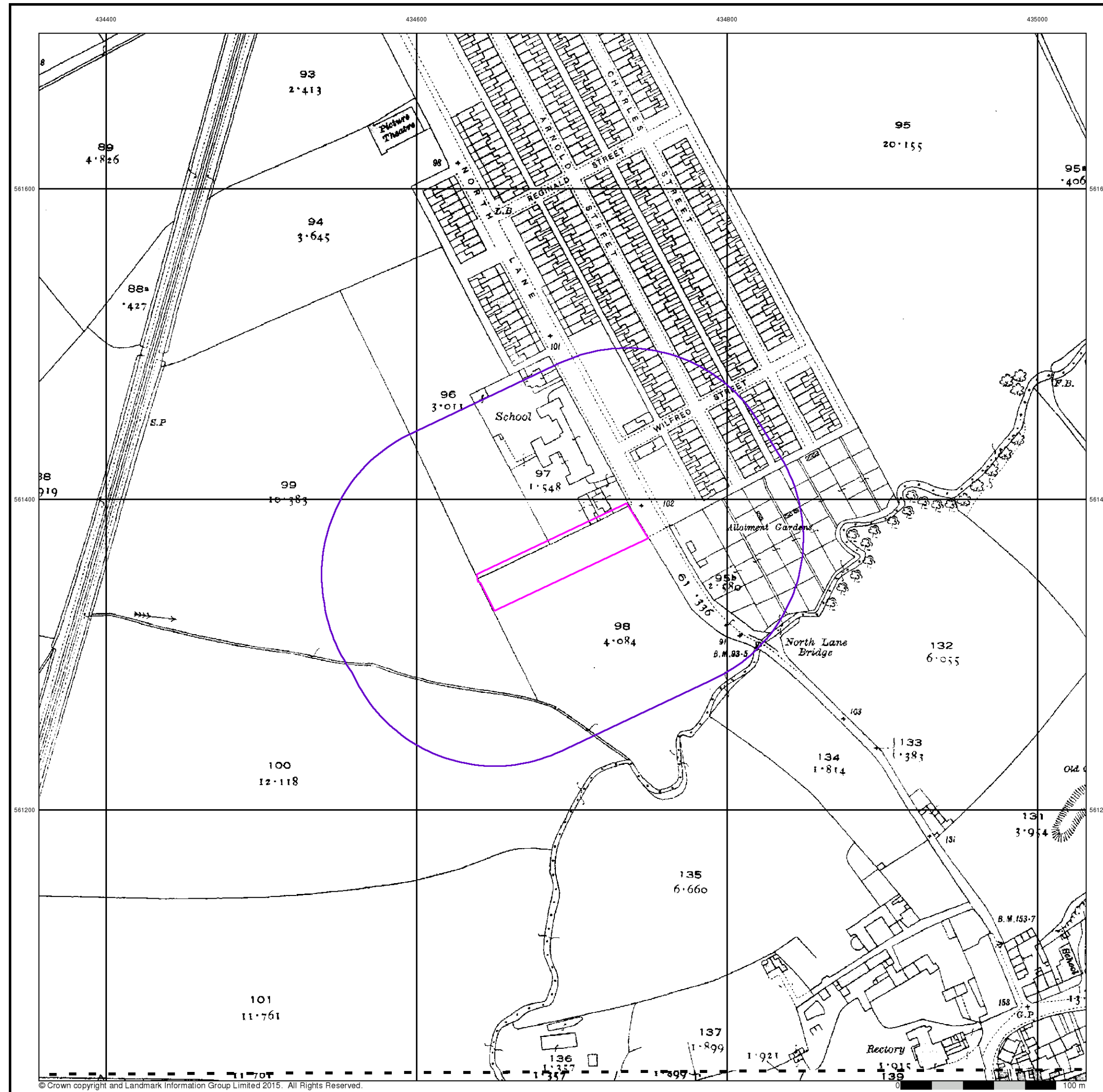
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





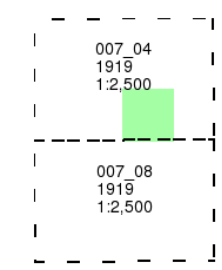
**Durham**

**Published 1919**

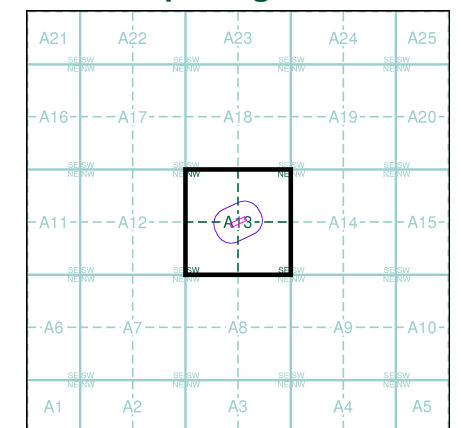
**Source map scale - 1:2,500**

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

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



**Historical Map - Segment A13**



**Order Details**

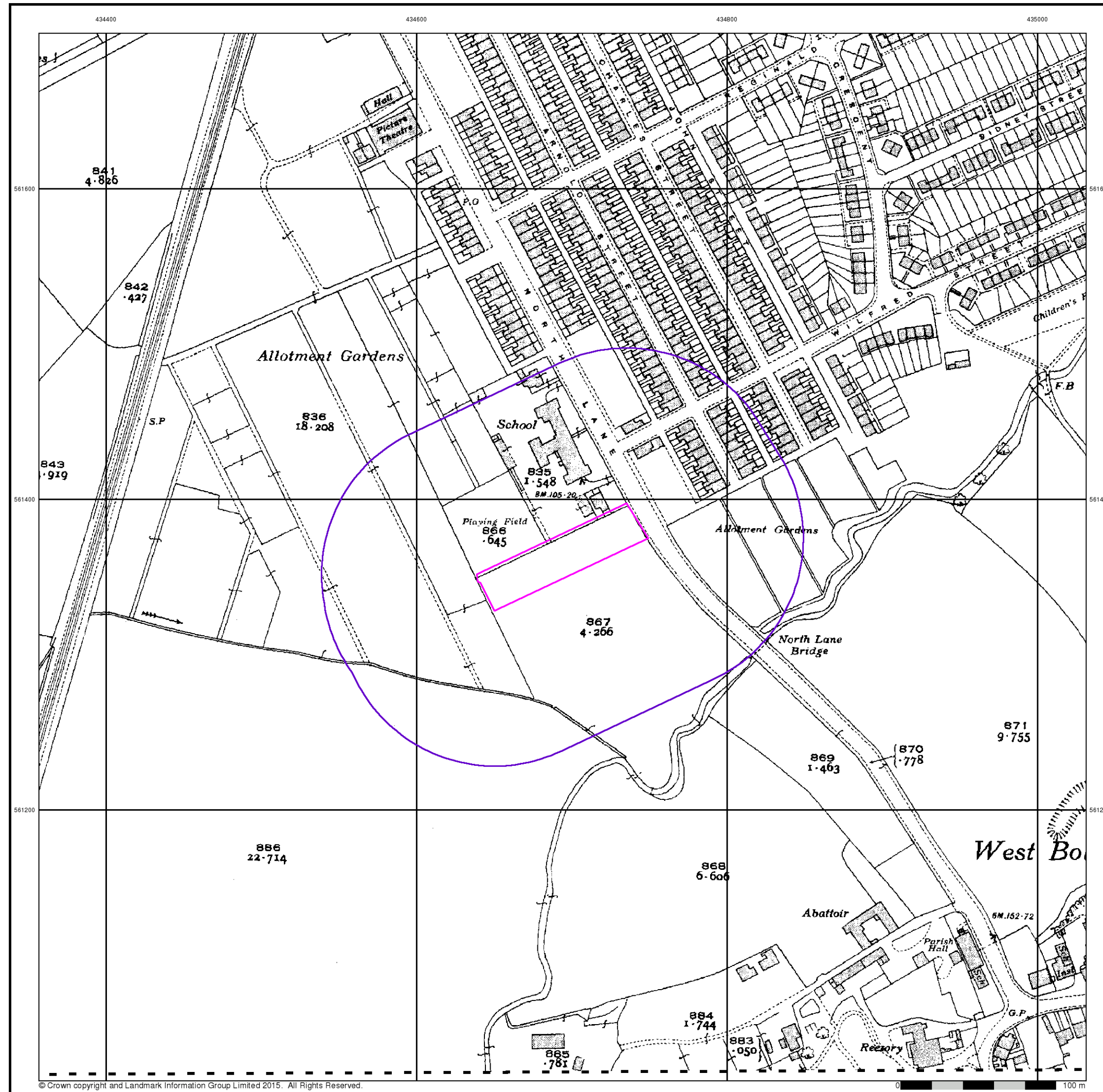
Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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



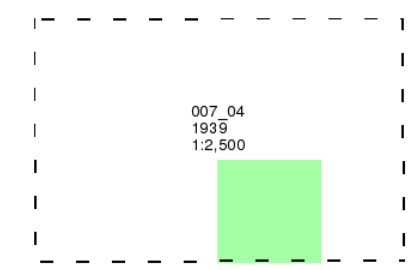
**Durham**

**Published 1939**

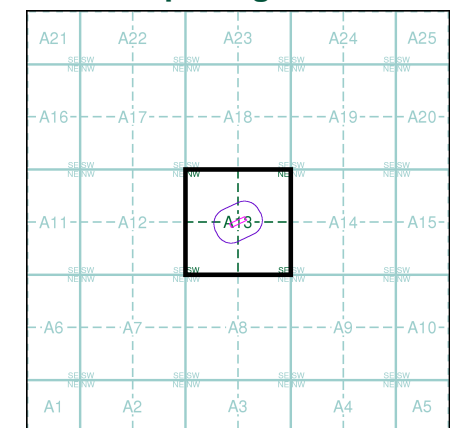
**Source map scale - 1:2,500**

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: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

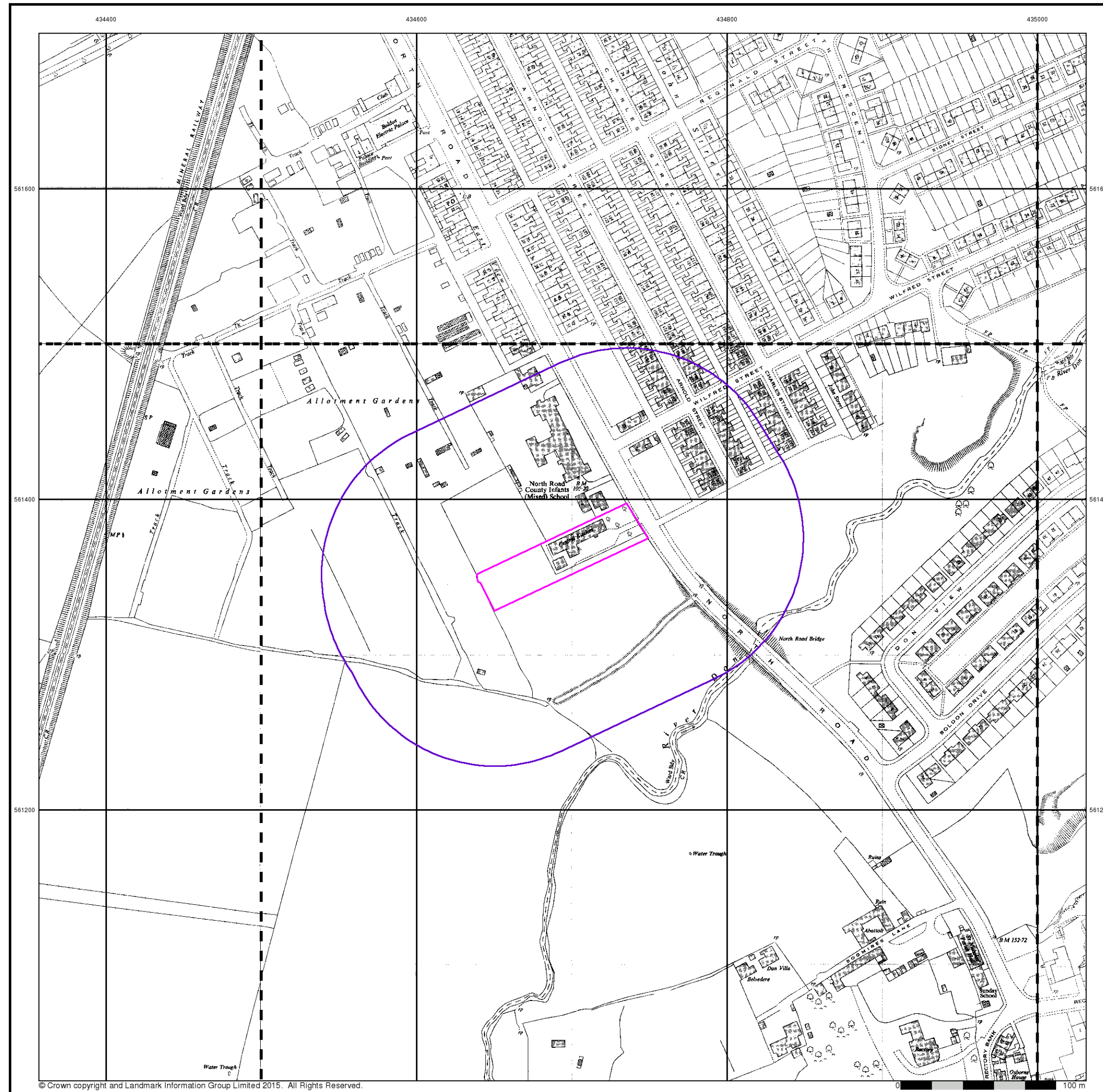
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





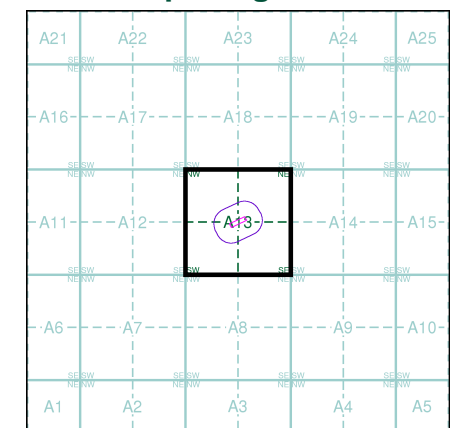
**Ordnance Survey Plan**  
**Published 1956 - 1958**  
**Source map scale - 1:1,250**

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)**

NZ3461NW 1956 1:1,250	NZ3461NE 1956 1:1,250	NZ3561NW 1958 1:1,250
NZ3461SW 1956 1:1,250	NZ3461SE 1956 1:1,250	NZ3561SW 1958 1:1,250

**Historical Map - Segment A13**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

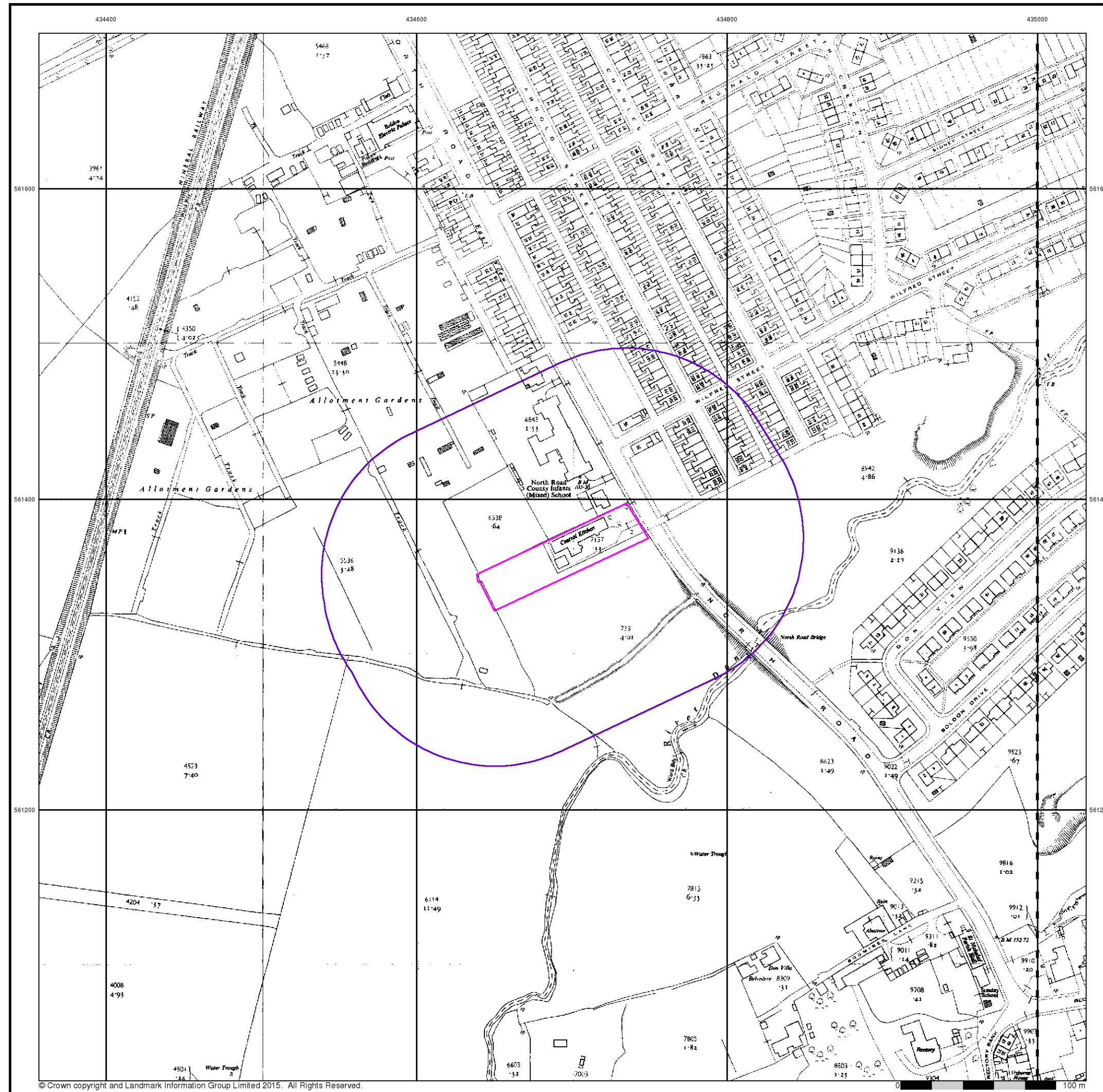
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





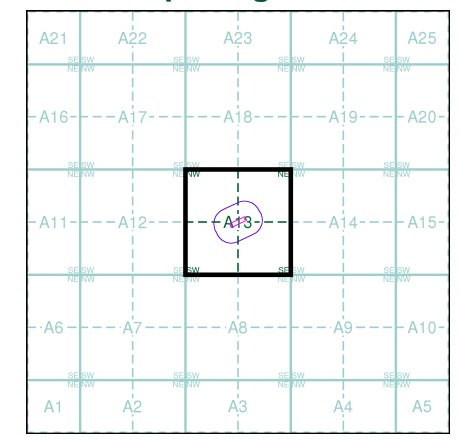
**Ordnance Survey Plan**  
**Published 1956 - 1958**  
**Source map scale - 1:2,500**

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)**

NZ3461 1956 1:2,500	NZ3561 1958 1:2,500
---------------------------	---------------------------

**Historical Map - Segment A13**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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

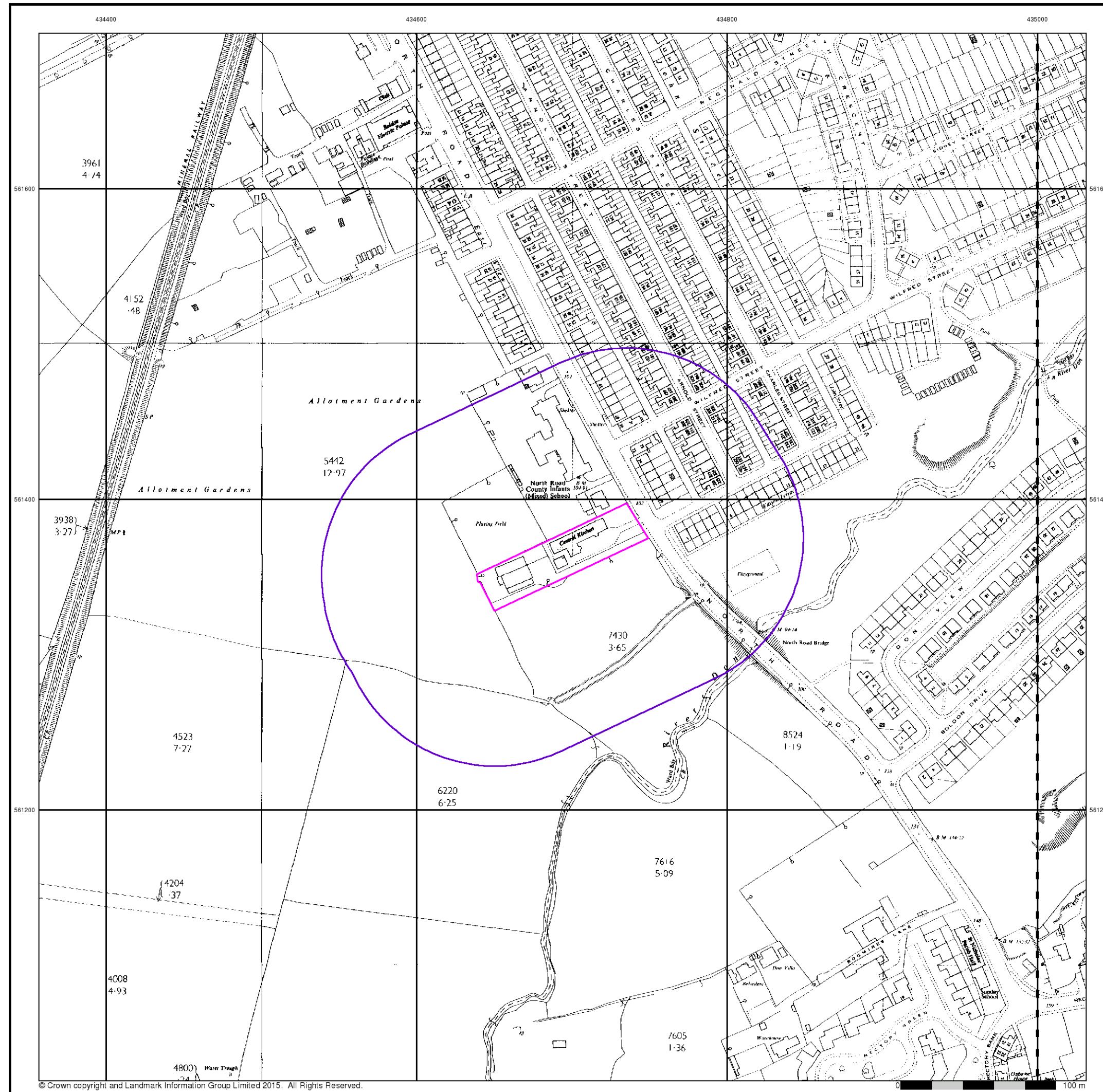












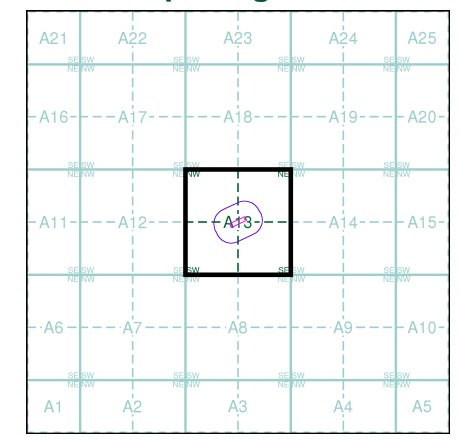
**Ordnance Survey Plan**  
**Published 1969**  
**Source map scale - 1:2,500**

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)**

NZ3461 1969 1:2,500	NZ3561 1969 1:2,500
---------------------------	---------------------------

**Historical Map - Segment A13**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





## Supply of Unpublished Survey Information

Published 1974

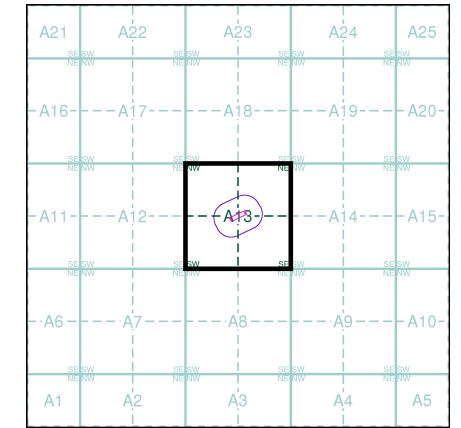
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

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

NZ3461NW 1974 1:1,250	NZ3561NW 1974 1:1,250
NZ3461SE 1974 1:1,250	NZ3561SW 1974 1:1,250

### Historical Map - Segment A13



### Order Details

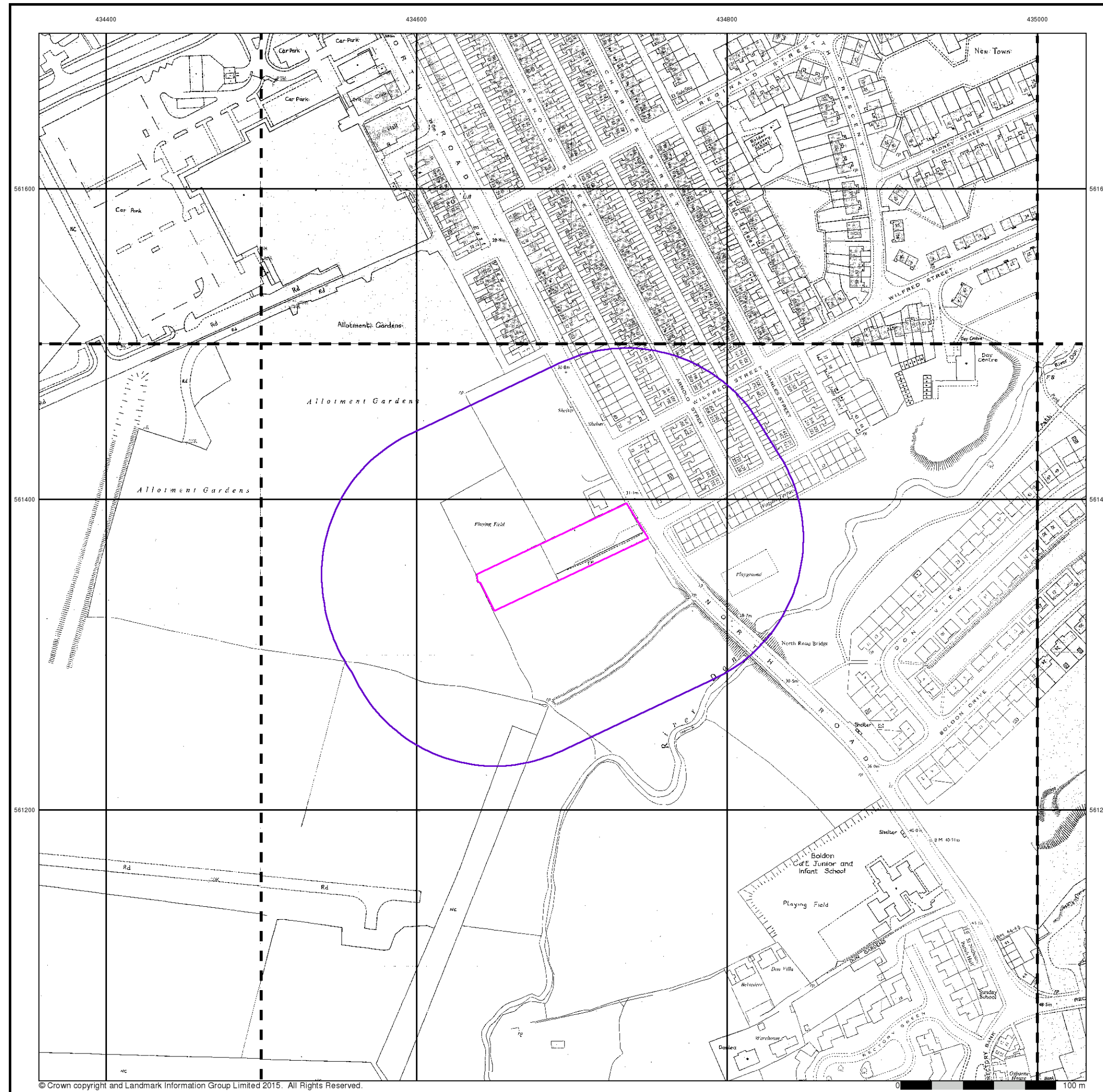
Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

### Site Details

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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



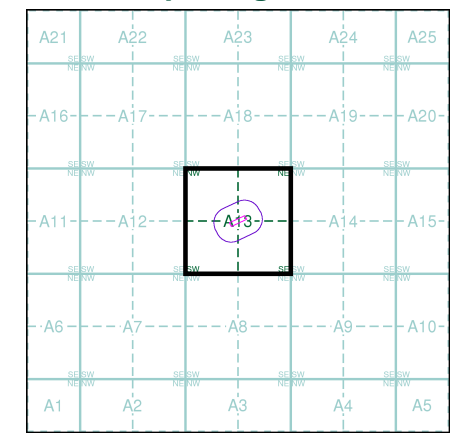
**Additional SIMs**  
**Published 1981 - 1991**  
**Source map scale - 1:1,250**

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

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

NZ3461NW 1991 1:1,250	NZ3461NE 1988 1:1,250	
NZ3461SW 1988 1:1,250	NZ3461SE 1988 1:1,250	NZ3561SW 1981 1:1,250

**Historical Map - Segment A13**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

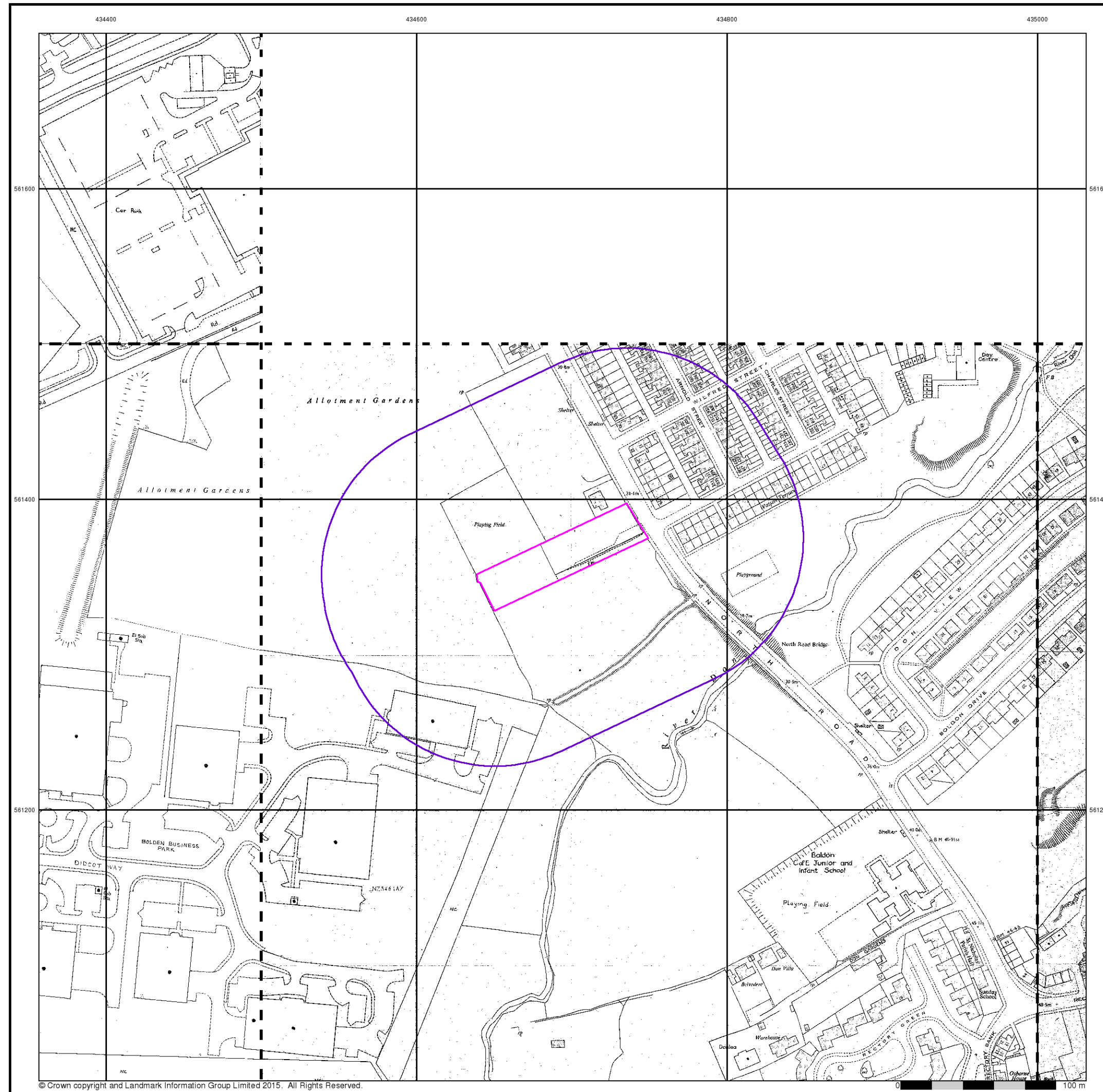
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





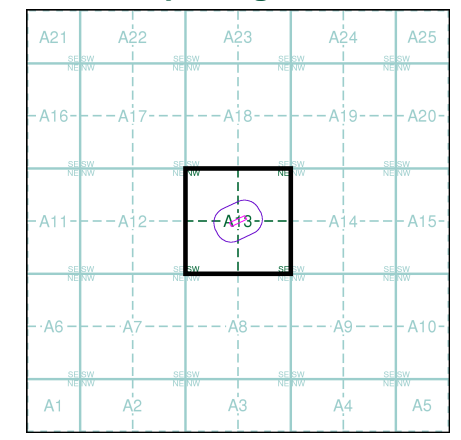
**Additional SIMs**  
**Published 1984 - 1991**  
**Source map scale - 1:1,250**

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

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

NZ3461NW 1991 1:1,250		
NZ3461SW 1991 1:1,250	NZ3461SE 1991 1:1,250	NZ3561SW 1984 1:1,250

**Historical Map - Segment A13**



**Order Details**

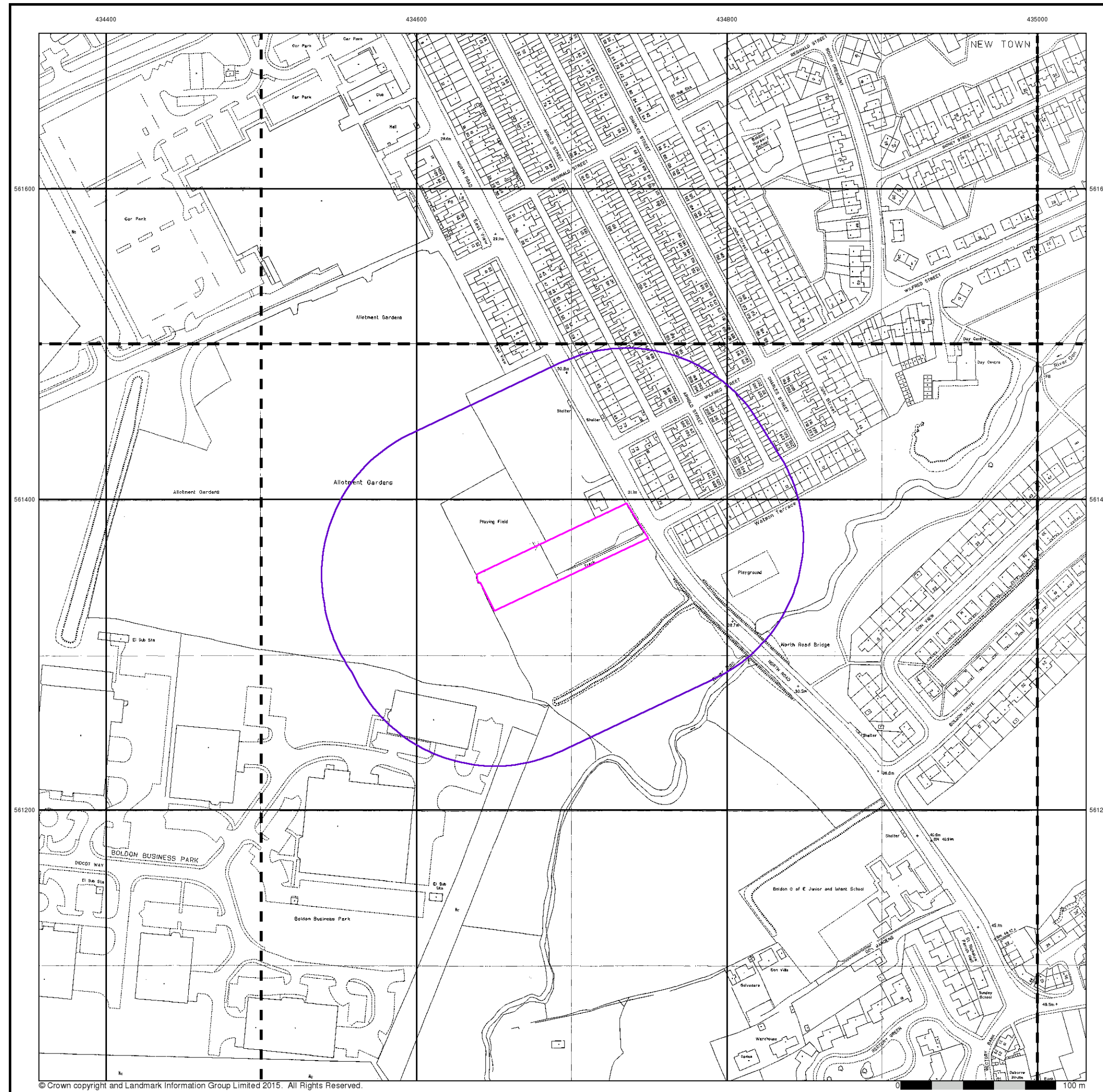
Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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



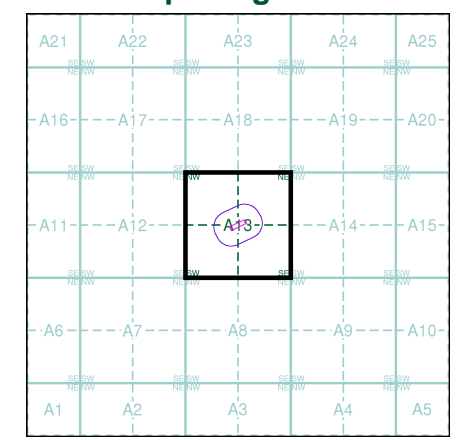
**Large-Scale National Grid Data**  
**Published 1993**  
**Source map scale - 1:1,250**

'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)**

NZ3461NW 1993 1:1,250	NZ3461NE 1993 1:1,250	NZ3561NW 1993 1:1,250
NZ3461SW 1993 1:1,250	NZ3461SE 1993 1:1,250	NZ3561SW 1993 1:1,250

**Historical Map - Segment A13**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 100

**Site Details**

Land adjacent to North Road, Baldon Colliery, NE35 9AX



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



# 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

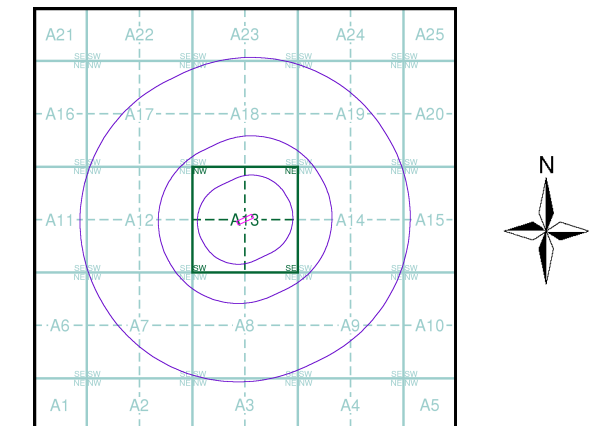
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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
Durham	1:10,560	1921	6
Durham	1:10,560	1938	7
Ordnance Survey Plan	1:10,000	1951 - 1952	8
Ordnance Survey Plan (scattered)	1:10,000	1967 - 1968	9
Ordnance Survey Plan	1:10,000	1975 - 1977	10
Sunderland	1:10,000	1976	11
Newcastle-upon-Tyne	1:25,000	1977	12
Ordnance Survey Plan	1:10,000	1987	13
Ordnance Survey Plan	1:10,000	1992	14
VectorMap Local	1:10,000	2014	15

## Historical Map - Slice A



## Order Details

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

## Site Details

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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

# Russian Military Mapping Legends

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

a. Not drawn to scale    b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Fireproof Building		Prominent Fireproof Building
	Non-fireproof Building		Non-fireproof Building (non-dwelling)
	Factory, mill, and flour mill, with chimneys		Factory, mill, and flour mill, without chimneys
	Power Station, drawn to scale		Hydroelectric Power Station
	Radio Station, drawn to scale		Telephone Station, drawn to scale
	Abandoned Open-pit Mine or Quarry		Open-pit Salt Mine
	Pit		Oil Deposit or Well
	Oil Seepage		Natural Gas Tank
	Tailings Pile		Fuel Storage Tanks
	Bench Mark		Drill Hole
	Burial Mound		Triangulation Point on Burial Mound
	Single-track Railroad		Double-track Railroad
	Small Bridge		Tunnel
	Pipe (Culvert)		Railroad and Station Building
	Coniferous Forest		Deciduous Forest
	Mixed Forest		Lawns
	Citrus Orchard		Wet Ground
	Scattered Vegetation		

**243,8** Values for prominent elevations  
**186.0** Numbers for spot elevations, depth soundings, contour lines, etc.  
**0,2** Velocity of the current, width of river bed, depth of river  
**180/12** Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

## 1:25,000 mapping

a. Not drawn to scale    b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Partly Demolished Buildings		Demolished Buildings
	Built-Up Area with Fireproof Buildings Predominant		Built-Up Area with Non-Fireproof Buildings Predominant
	Individual Fireproof Building		Prominent Industrial Building
	Individual Dwelling, Fireproof		Ruins of an Individual Dwelling
	Factory or Mill Chimney		Factory or Mill with Chimney
	Factory or Mill without Chimney		Salt Mine
	Operating Shaft or Mine		Non-Operating Shaft or Mine
	Tailings Pile		Gas Pump or Service Station
	Fuel Storage or Natural Gas Tank		Oil or Natural Gas Derrick
	Small Hydroelectric Power Station		Power Station
	Transformer Station		Cemetery
	Burial Mound (height in metres)		Triangulation Point on Burial Mound
	Triangulation Point		Bench Mark
	Bench Mark (monumented)		Telegraph Office
	Telephone Station		Radio Station
	Radio Tower		Airfield or Seaplane Base
	Landing Strip		Cut
	Fill		Km Post
	Plantings		Width of Road
	Steep Grade		Highway under Construction
	Improved Dirt Road (former truck road)		Small Bridge
	Pipe (Culvert)		Tunnel
	Dismantled Railroad		Double-track Railroad with First Class Station
	Railroad Under Construction		Shore Embankment
	River or Ditch with Embankment		Water Gauge
	Direction and velocity of current		Water Level Mark
	Well		Spring
	Water Reservoir or Rain Water Pit		Isobath with value
	Heavy (Index) Contour Line		Half Contour Line
	Contour Line and Value		Spot Elevation Value
	Coniferous		Deciduous
	Mixed		Scrub

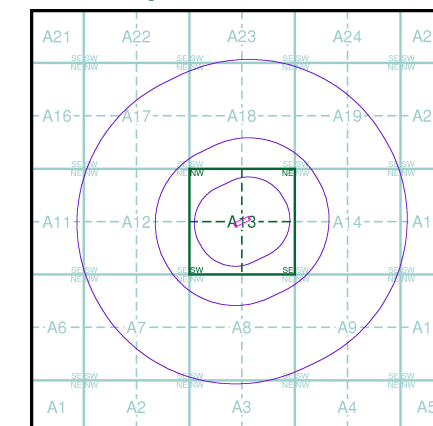
## Key to Numbers on Mapping



### 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
Durham	1:10,560	1921	6
Durham	1:10,560	1938	7
Ordnance Survey Plan	1:10,000	1951 - 1952	8
Ordnance Survey Plan	1:10,000	1967 - 1968	9
Ordnance Survey Plan	1:10,000	1975 - 1977	10
Sunderland	1:10,000	1976	11
Newcastle-upon-Tyne	1:25,000	1977	12
Ordnance Survey Plan	1:10,000	1987	13
Ordnance Survey Plan	1:10,000	1992	14
VectorMap Local	1:10,000	2014	15

### Russian Map - Slice A



### Order Details

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

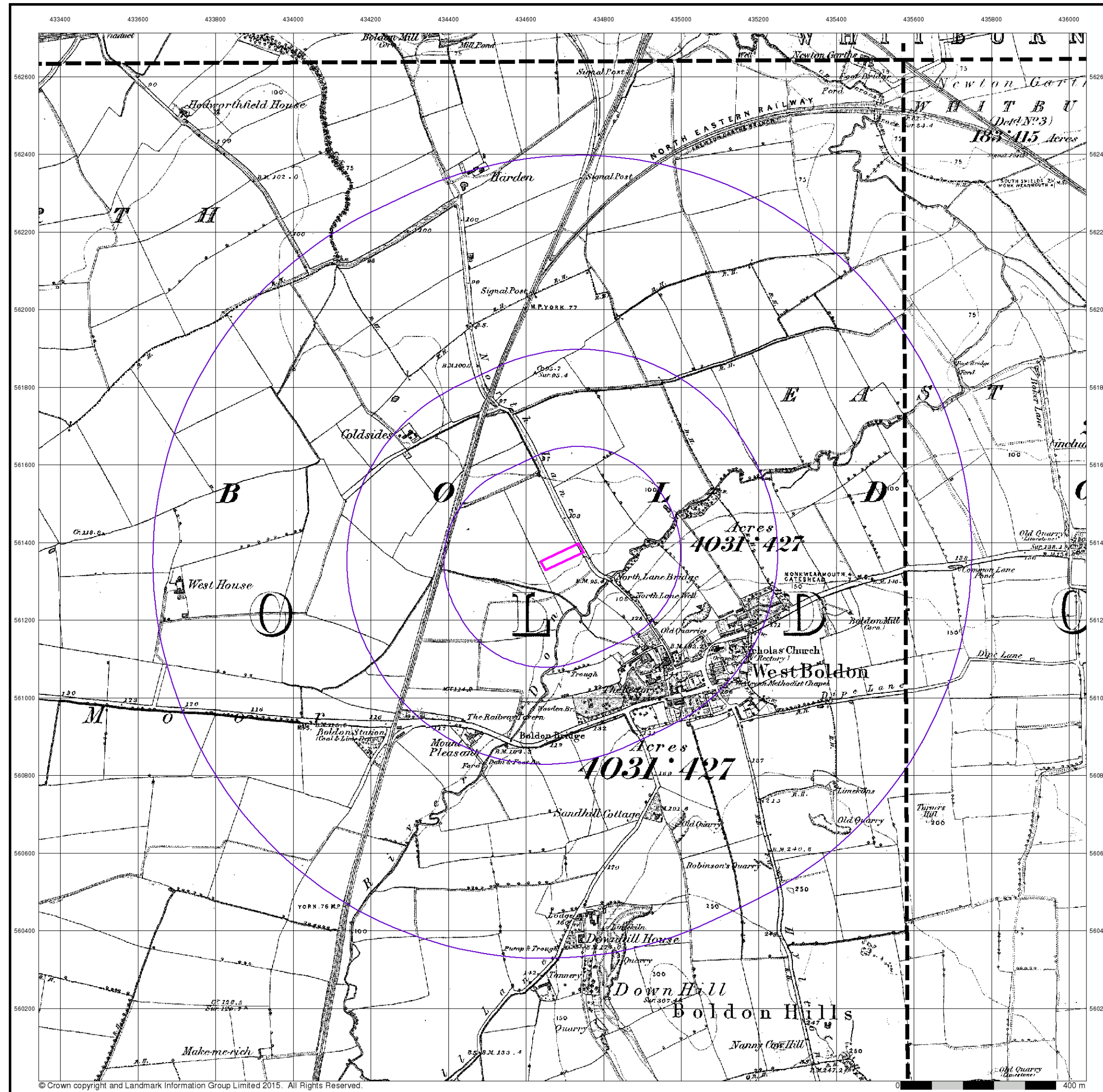
### Site Details

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





**Durham**

**Published 1862**

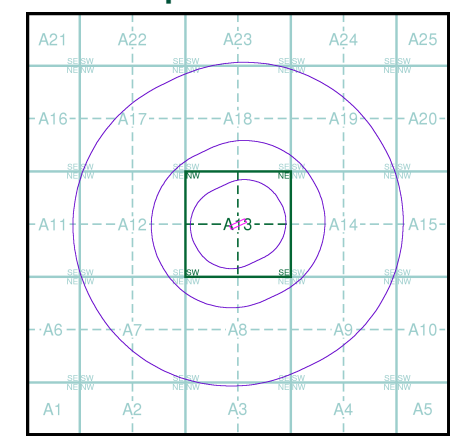
**Source map scale - 1:10,560**

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)**

00300 1862 1:10,560	00400 1862 1:10,560
00700 1862 1:10,560	00800 1862 1:10,560

**Historical Map - Slice A**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

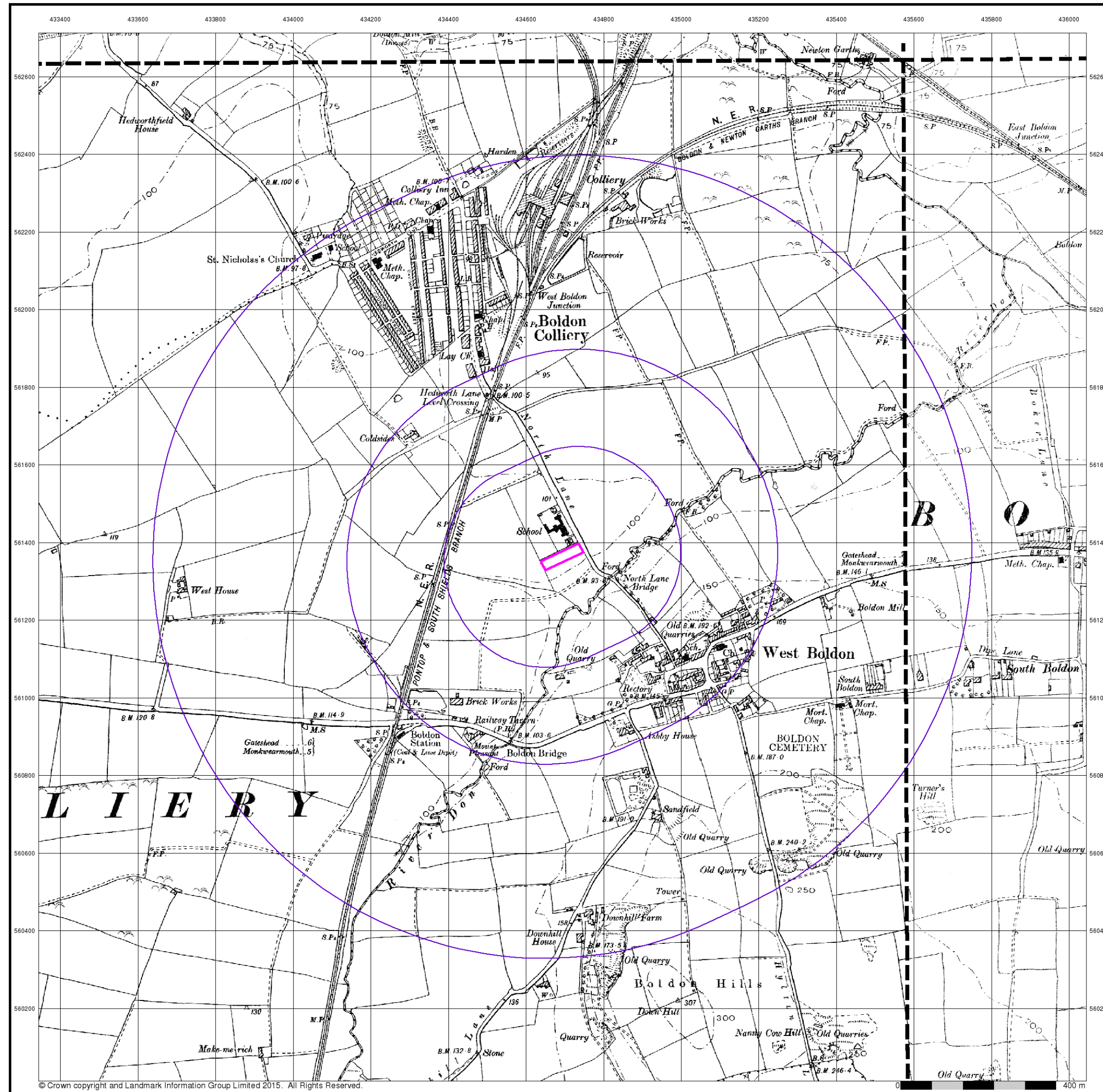
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





## Durham

Published 1898

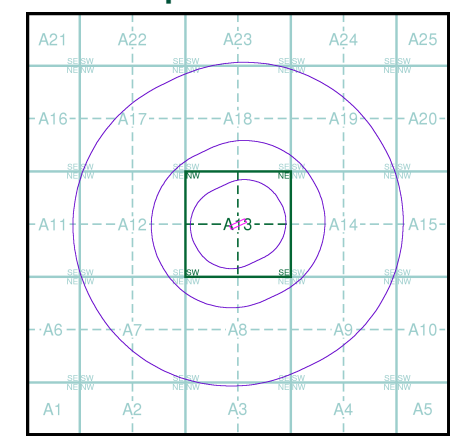
Source map scale - 1:10,560

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)

003SE 1898 1:10,560	004SW 1898 1:10,560
007NE 1898 1:10,560	008NW 1898 1:10,560

### Historical Map - Slice A



### Order Details

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

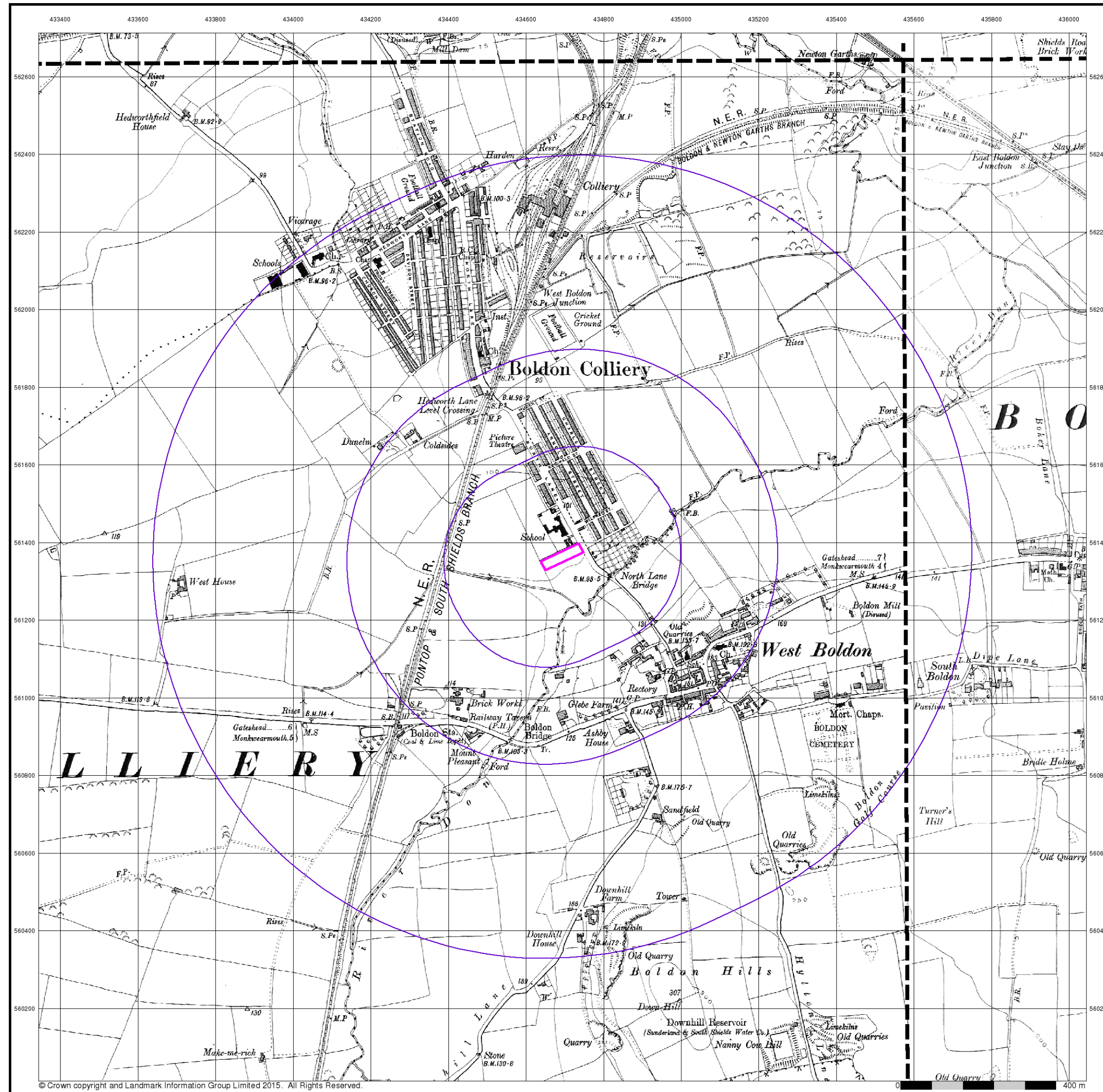
### Site Details

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





**Durham**

**Published 1921**

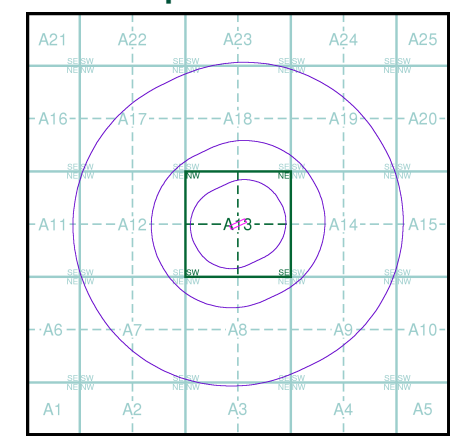
**Source map scale - 1:10,560**

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
007NE 1921 1:10,560	008NW 1921 1:10,560

**Historical Map - Slice A**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

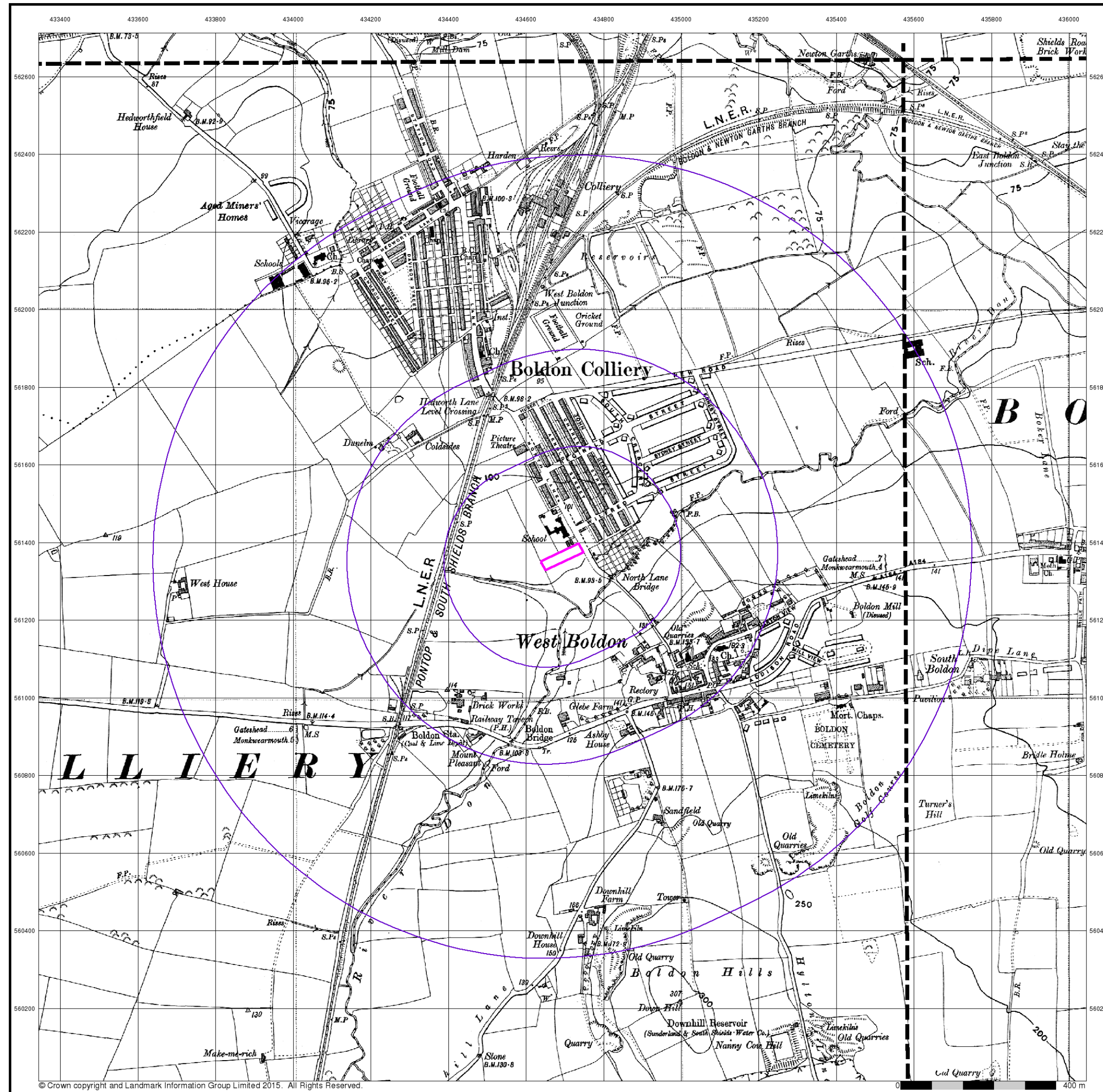
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





**Durham**

**Published 1938**

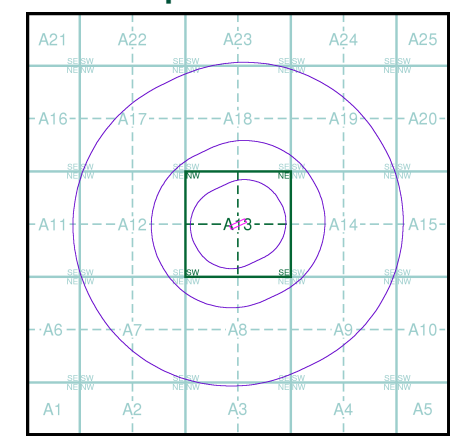
**Source map scale - 1:10,560**

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)**

003SE 1938 1:10,560	004SW 1938 1:10,560
007NE 1938 1:10,560	008NW 1938 1:10,560

**Historical Map - Slice A**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

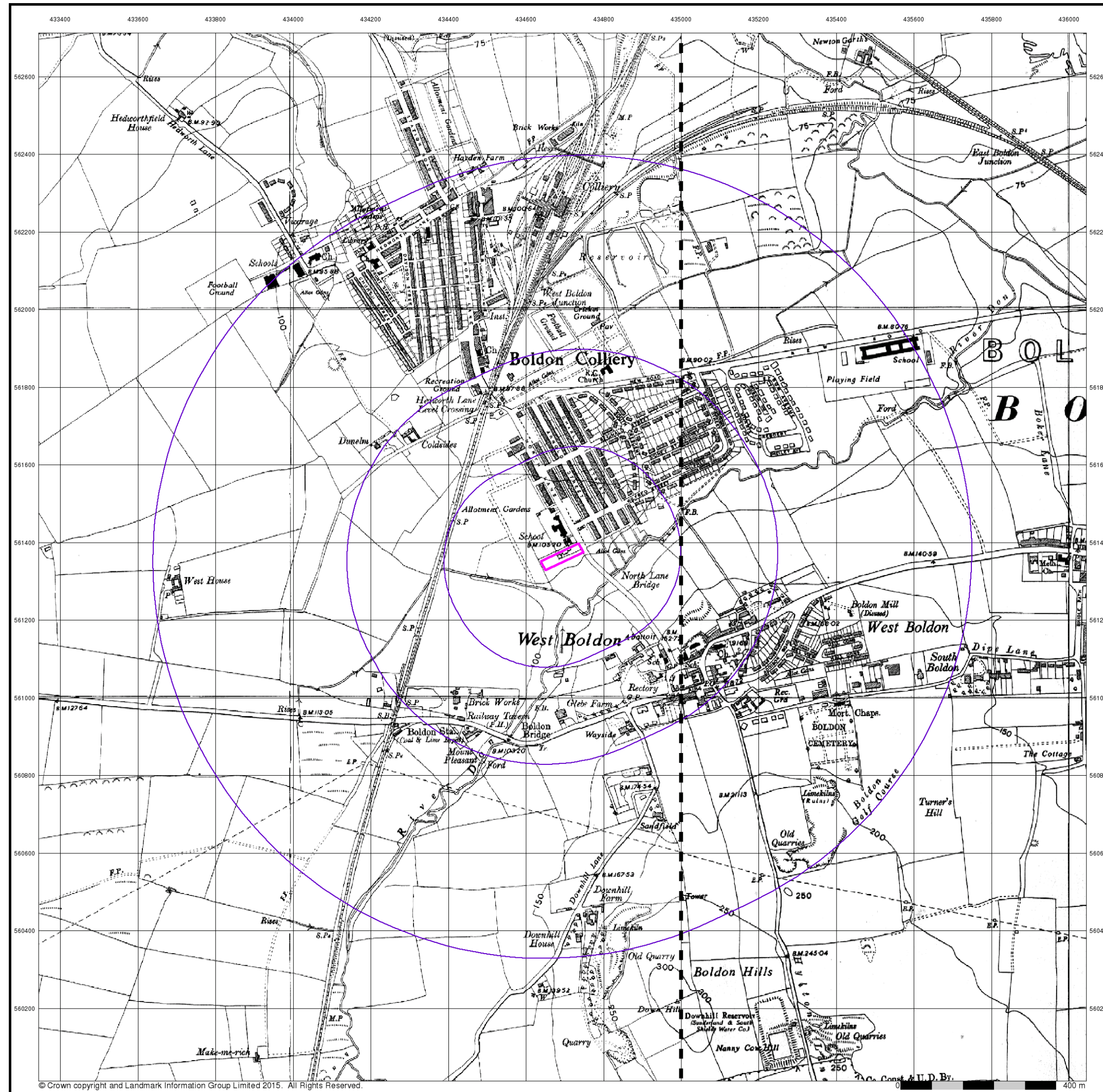
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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

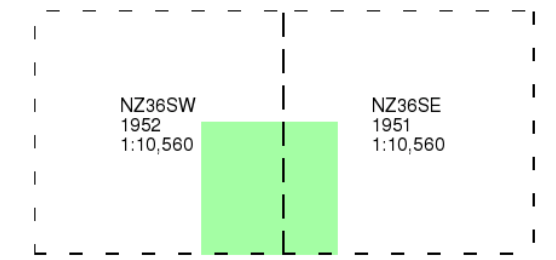




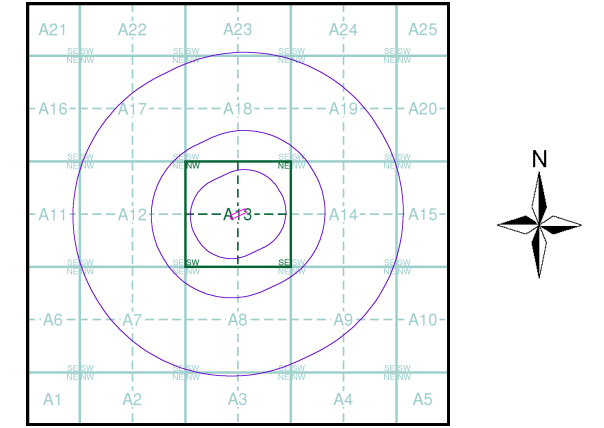
**Ordnance Survey Plan**  
**Published 1951 - 1952**  
**Source map scale - 1:10,000**

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)**



**Historical Map - Slice A**

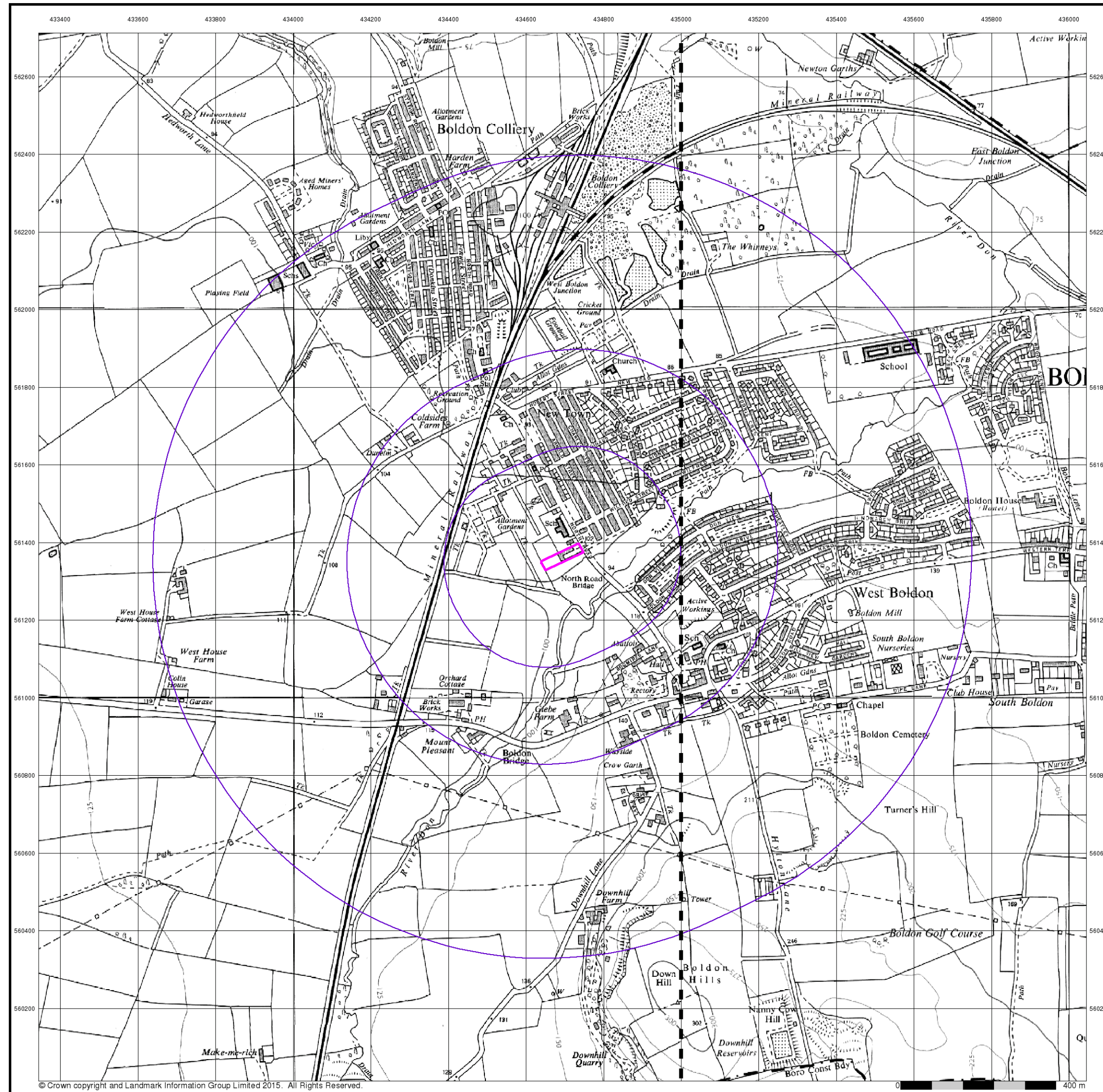


**Order Details**  
 Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**  
 Land adjacent to North Road, Boldon Colliery, NE35 9AX

**Landmark** Information Group  
 Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk





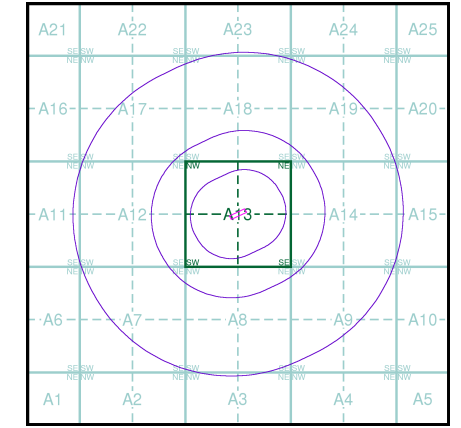
**Ordnance Survey Plan**  
**Published 1967 - 1968**  
**Source map scale - 1:10,000**

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)**

NZ36SW 1967 1:10,560	NZ36SE 1968 1:10,560
----------------------------	----------------------------

**Historical Map - Slice A**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

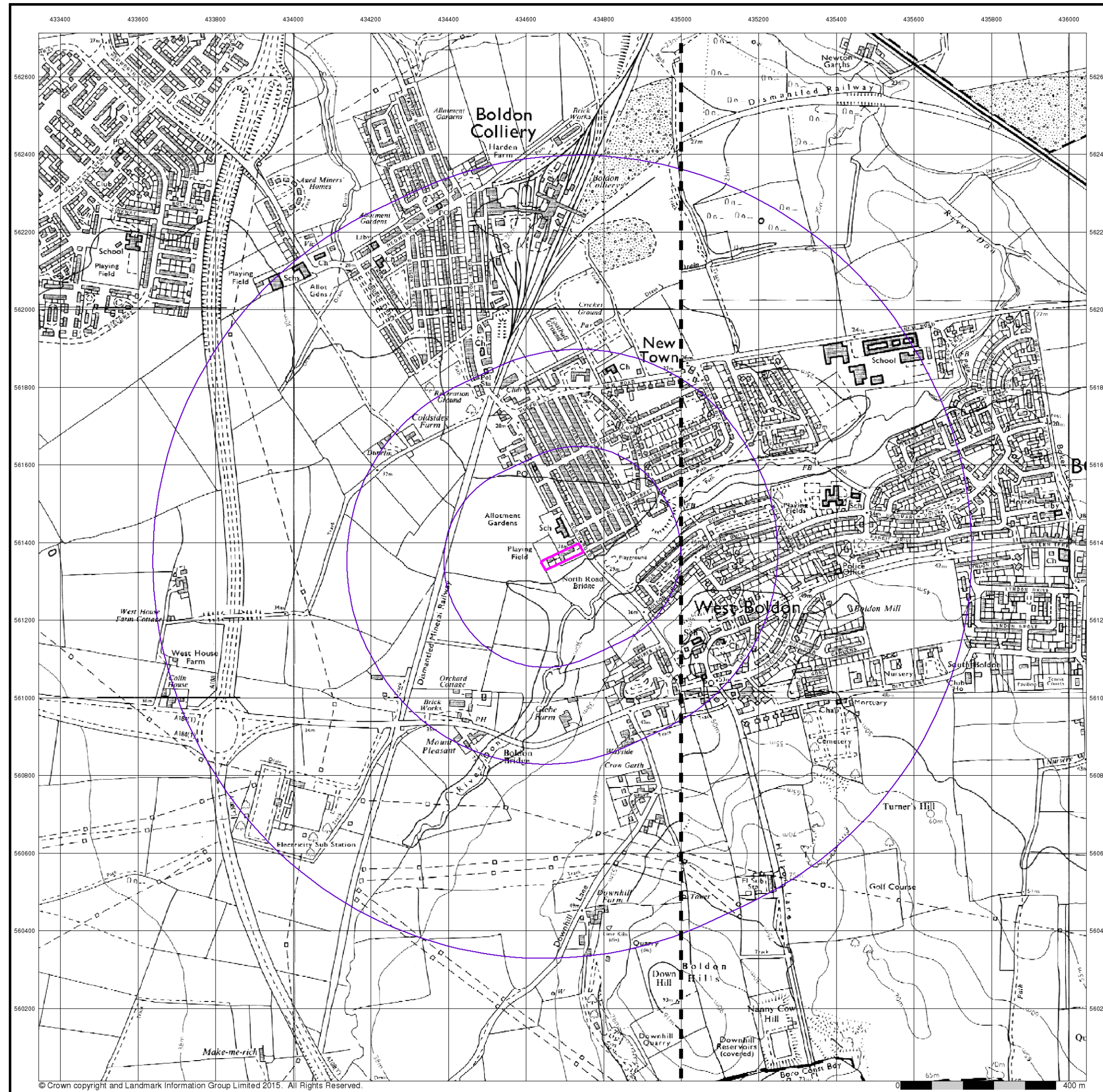
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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

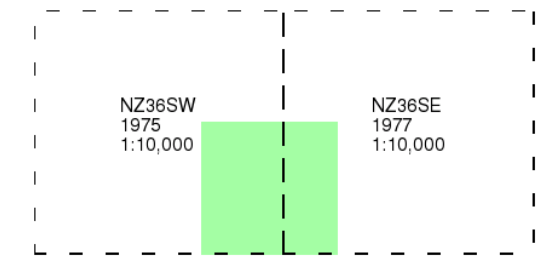




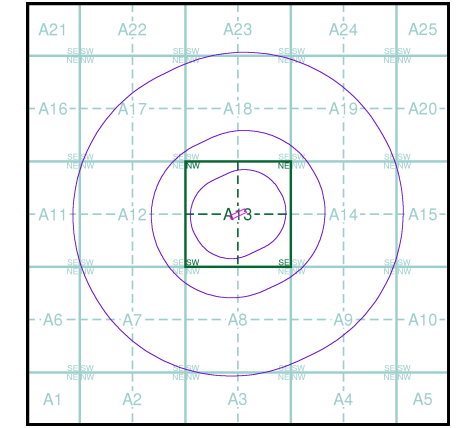
**Ordnance Survey Plan**  
**Published 1975 - 1977**  
**Source map scale - 1:10,000**

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)**



**Historical Map - Slice A**



**Order Details**  
 Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**  
 Land adjacent to North Road, Boldon Colliery, NE35 9AX

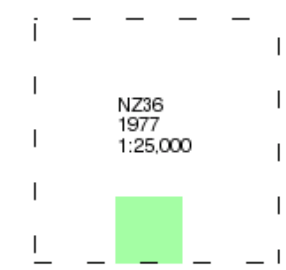




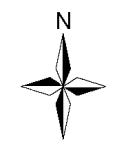
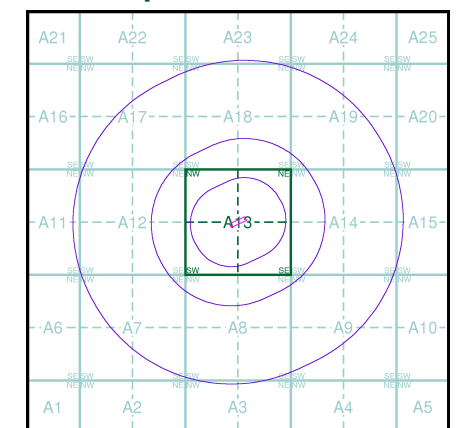
**Newcastle-upon-Tyne**  
**Published 1977**  
**Source map scale - 1:25,000**

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

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



**Russian Map - Slice A**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

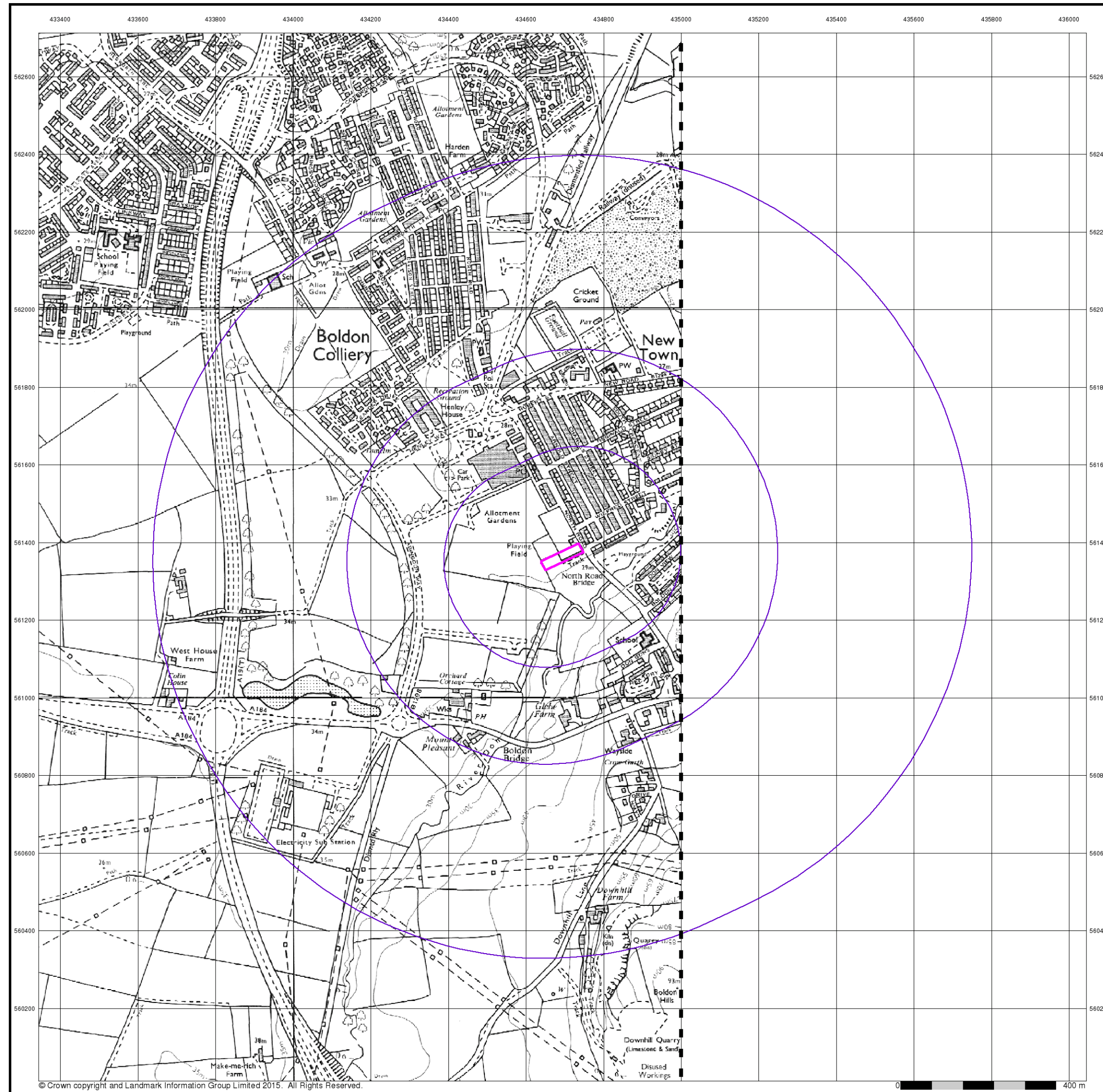
**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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

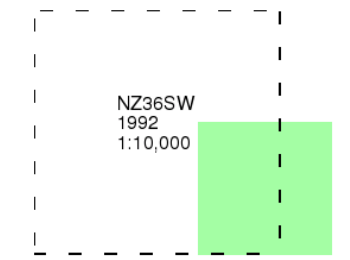




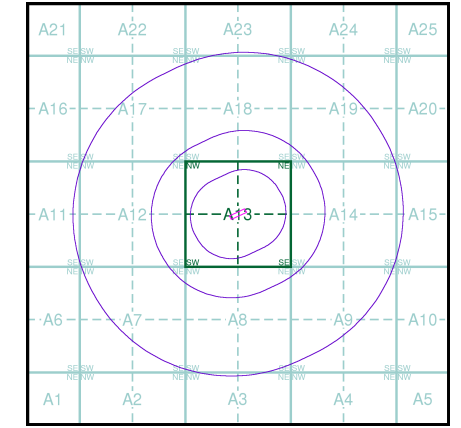
**Ordnance Survey Plan**  
**Published 1992**  
**Source map scale - 1:10,000**

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

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



**Historical Map - Slice A**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**

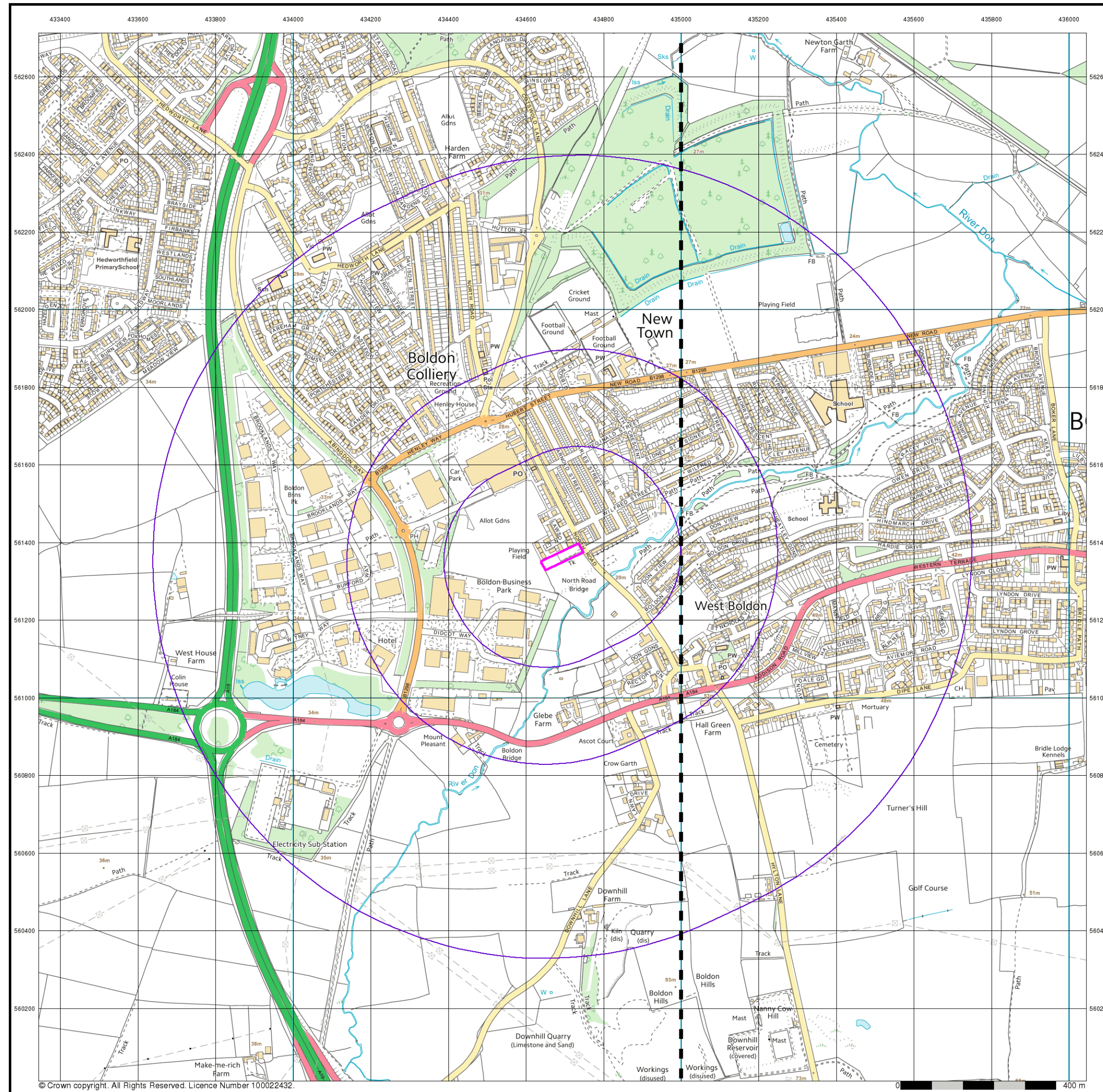
Land adjacent to North Road, Boldon Colliery, NE35 9AX



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

© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.

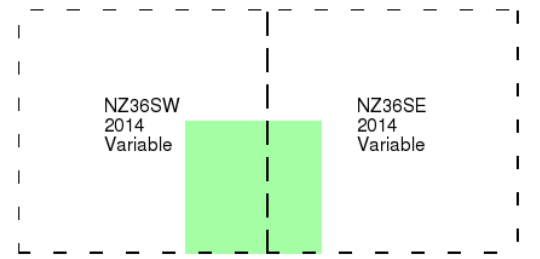




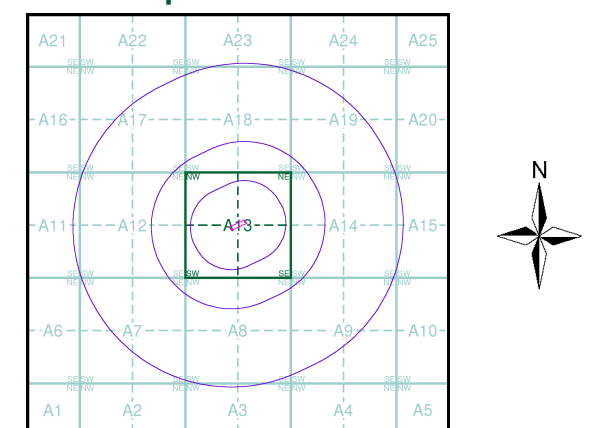
**VectorMap Local**  
**Published 2014**  
**Source map scale - 1:10,000**

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)**



**Historical Map - Slice A**



**Order Details**

Order Number: 65103206\_1\_1  
 Customer Ref: 15-171  
 National Grid Reference: 434690, 561360  
 Slice: A  
 Site Area (Ha): 0.29  
 Search Buffer (m): 1000

**Site Details**

Land adjacent to North Road, Boldon Colliery, NE35 9AX



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





# Envirocheck<sup>®</sup> Report:

## Datasheet

### Order Details:

**Order Number:**

65103206\_1\_1

**Customer Reference:**

15-171

**National Grid Reference:**

434690, 561360

**Slice:**

A

**Site Area (Ha):**

0.29

**Search Buffer (m):**

1000

### Site Details:

Land adjacent to North Road

Boldon Colliery

NE35 9AX

### Client Details:

Mr K Moir

Arc Environmental Ltd

Unit 1

Elliot Court

St John's Road

Meadowfield

Durham

DH7 8PN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	11
Hazardous Substances	-
Geological	12
Industrial Land Use	43
Sensitive Land Use	50
Data Currency	51
Data Suppliers	56
Useful Contacts	57

## 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.

## Copyright Notice

© Landmark Information Group Limited 2015. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.

A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

## Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

## Ove Arup Copyright Notice

The Data provided in this report was obtained on Licence from Ove Arup & Partners Limited (for further information, contact [mining.review@arup.com](mailto:mining.review@arup.com)). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The information and data supplied in the product are derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

## Peter Brett Associates Copyright Notice

The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

## Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

## 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	pg 1			7	1
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control	pg 3		1		
Local Authority Pollution Prevention and Controls	pg 3		1	3	6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4		1		1
Prosecutions Relating to Authorised Processes	pg 5		1		
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 5			9	
River Quality	pg 6		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 7				3
Water Industry Act Referrals	pg 7			2	
Groundwater Vulnerability	pg 8	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Source Protection Zones	pg 8			1	
Extreme Flooding from Rivers or Sea without Defences	pg 8		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 9		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 10		Yes		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 11				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 12	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 12	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 39			3	5
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 40	Yes	n/a	n/a	n/a
Mining Instability	pg 41	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 41	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 41		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 41	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 41		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 41	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 43		4	17	48
Fuel Station Entries	pg 49			1	1
<b>Sensitive Land Use</b>					
Areas of Adopted Green Belt	pg 50			1	1
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
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>Discharge Consents</b></p> <p>Operator: Carlton Developments  Property Type: Sewage Disposal Works - Other  Location: Glebe Farm, Newcastle Road, Boldon, South Tyneside  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 235/1892  Permit Version: 1  Effective Date: 26th August 2004  Issued Date: 26th August 2004  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: River Don  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A8NW (S)	333	2	434600 561000
2	<p><b>Discharge Consents</b></p> <p>Operator: Prestige Inns  Property Type: Sewage Disposal Works - Other  Location: Travelling Man Public House, West Boldon  Authority: Environment Agency, North East Region  Catchment Area: Not Given  Reference: 235/1607  Permit Version: 1  Effective Date: 15th April 1997  Issued Date: 15th April 1997  Revocation Date: 4th February 2000  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Don  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	413	2	434400 561000
2	<p><b>Discharge Consents</b></p> <p>Operator: Prestige Inns  Property Type: Sewage Disposal Works - Other  Location: Travelling Man Public House, West Boldon  Authority: Environment Agency, North East Region  Catchment Area: Tyne (Lower)/Team/Don  Reference: 235/1159  Permit Version: 1  Effective Date: 19th August 1992  Issued Date: 19th August 1992  Revocation Date: 30th September 1996  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Don  <b>Status: Lapsed (under Environment Act 1995, Schedule 23)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	413	2	434400 561000
3	<p><b>Discharge Consents</b></p> <p>Operator: Punch Taverns (Pml) Limited  Property Type: Sewage Disposal Works - Other  Location: Travelling Man Public House, West Boldon, Tyne &amp; Wear  Authority: Environment Agency, North East Region  Catchment Area: Not Given  Reference: 235/1607  Permit Version: 2  Effective Date: 5th February 2000  Issued Date: 15th April 1997  Revocation Date: 19th October 2007  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Don  <b>Status: Revoked: Discharge ceased (Water Act 1989, Schedule 12 &amp; 6)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	438	2	434560 560900



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p><b>Discharge Consents</b></p> <p>Operator: Mr D Colley  Property Type: Mixed Farming  Location: Mount Pleasant Farm, West Boldon, Tyne And Wear  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 235/C/0101  Permit Version: 1  Effective Date: 17th November 1967  Issued Date: 17th November 1967  Revocation Date: 24th August 1992  Discharge Type: Agriculture - Livestock Farming  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Don  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	454	2	434500 560900
3	<p><b>Discharge Consents</b></p> <p>Operator: Mr D Colley  Property Type: Mixed Farming  Location: Mount Pleasant Farm, West Boldon, Tyne And Wear  Authority: Environment Agency, North East Region  Catchment Area: Tyne (Lower)/Team/Don  Reference: 235/1208  Permit Version: 1  Effective Date: 24th August 1992  Issued Date: 24th August 1992  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Don (Tyne)  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	465	2	434530 560880
4	<p><b>Discharge Consents</b></p> <p>Operator: Unknown,  Property Type: Sewage Disposal Works - Other  Location: Railway Tavern, The, West Boldon, County Durham  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 235/D/0058  Permit Version: 1  Effective Date: 27th May 1966  Issued Date: 27th May 1966  Revocation Date: 7th August 1992  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Don  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	481	2	434600 560850
5	<p><b>Discharge Consents</b></p> <p>Operator: National Grid Electricity Transmission Plc  Property Type: Education  Location: West Boldon Environmental Education, Newcastle Road, West Boldon, Tyne And Wear, Ne36 0bg  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: Npswqd009462  Permit Version: 1  Effective Date: 23rd December 2009  Issued Date: 23rd December 2009  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Tributary Of River Don  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	795	2	434291 560620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p><b>Local Authority Integrated Pollution Prevention And Control</b></p> <p>Name: Hashimoto Ltd            Location: Unit 5 Didcot Way, Boldon Lane Business Park, Boldon, Ne35 9pd            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: 003/1/6.4(a)/A2            Dated: 13th July 1994            Process Type: Other Activities            Description: Surface treatment using organic solvents  <b>Status: Permit Issued</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SW (SW)	171	3	434550 561190
7	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Hashimoto Ltd            Location: Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PD            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: 003/1/6.4(a)/A2            Dated: 13th July 1994            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/23 Coating of metal and plastic  <b>Status: Transferred to LAIPPC</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SW (SW)	171	3	434550 561190
8	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Hashimoto Ltd            Location: Unit 1 Didcot Way, Boldon Business Park, Boldon Colliery, Ne35 9pd            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: STC/09/6.4(a)/B            Dated: 4th February 2010            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/32 Adhesive coating  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SW (W)	274	3	434384 561249
9	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Thorn Emi Uk Rentals            Location: Unit 9 Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PD            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: 029/6.5(A)            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG6/23 Coating of metal and plastic  <b>Status: Authorised</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SW (SW)	310	3	434438 561103
10	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Asda Boldon Petrol Filling Station            Location: North Road, BOLDON COLLIERY, Tyne and Wear, NE35 9AR            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: STC/019/1.2(d&amp;e)/PtB            Dated: 29th October 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>	A13NW (NW)	361	3	434478 561674
11	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Steve Watson Coachworks            Location: North Road, Boldon Colliery, Boldon Colliery, Ne35 9af            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: 024/6.4(b)/PtB            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/34 Respraying of road vehicles  <b>Status: Permitted</b>            Positional Accuracy: Located by supplier to within 100m</p>	A18SW (NW)	508	3	434400 561800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Bank Top Garage            Location: Addison Road, WEST BOLDON, Tyne and Wear, NE36 0RA            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: 067/1.4(B)            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG1/14 Petrol filling station  <b>Status: Authorised</b>            Positional Accuracy: Manually positioned to the address or location</p>	A9NW (SE)	534	3	435149 561022
13	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: M &amp; S Automotive Coatings            Location: Unit 8 Burford Way, Boldon Buisness Park, Boldon, Ne35 9pz            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: Not Supplied            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/23 Coating of metal and plastic  <b>Status: Application Not Yet Authorised</b>            Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	542	3	434100 561300
14	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Mill Garage Ltd            Location: Unit 5 Brooklands Way, Boldon Business Park, Boldon, SOUTH SHIELDS, Tyne and Wear, NE36 0BQ            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: 028/6.4(b)            Dated: 25th May 1999            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/34 Respraying of road vehicles  <b>Status: Permitted</b>            Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	656	3	434000 561500
15	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Fm Coatings Ltd            Location: Unit 15 Brookland Way, Boldon Business Park, Boldon, NE35 9NZ            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: PPC/09/1            Dated: 23rd December 2009            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/34 Respraying of road vehicles  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A12NW (W)	679	3	434014 561616
16	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: R J Budge            Location: Bolden Stocking Site B/C, T &amp; W, BOLDON, Tyne and Wear, NE36            Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department            Permit Reference: 005/3.4(e)            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG3/5 Coal, coke and coal product processes  <b>Status: Authorisation revokedRevoked</b>            Positional Accuracy: Un-geocodable - location cannot be found</p>	A18NE (N)	979	3	434969 562348
	<b>Nearest Surface Water Feature</b>	A13SE (E)	88	-	434819 561321
17	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Surface Water Sewers            Location: WEST BOLDON            Authority: Environment Agency, North East Region            Pollutant: Not Given            Note: Don            Incident Date: 10th November 1990            Incident Reference: 235/000367            Catchment Area: Not Given            Receiving Water: Freshwater Stream/River            Cause of Incident: Unknown            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A13SE (S)	47	2	434700 561300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Other General Premises            Location: Boldon            Authority: Environment Agency, North East Region            Pollutant: Not Given            Note: Mount Pleasant Marsh            Incident Date: 13th July 1994            Incident Reference: 235/002410            Catchment Area: Not Given            Receiving Water: Pond/Lake            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	698	2	434100 560900
19	<p><b>Prosecutions Relating to Authorised Processes</b></p> <p>Location: North Road, Boldon Colliery            Prosecution Text: Unlawfully dumping waste - waste carrier license revoked            Prosecution Act: Epa90 S33            Hearing Date: 1st October 2009            Verdict: Guilty            Fine: 0            Costs: 0            Positional Accuracy: Manually positioned to the road within the address or location</p>	A13NE (NE)	38	2	434726 561434
20	<p><b>Registered Radioactive Substances</b></p> <p>Name: Ids Ltd            Location: 10 Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne And Wear, NE35 9PD            Authority: Environment Agency, North East Region            Permit Reference: AA1481            Dated: 19th June 1991            Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)            Description: Registration under the Act of an open source which is also the subject of an authorisation dated pre April 1991  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	371	2	434365 561091
20	<p><b>Registered Radioactive Substances</b></p> <p>Name: Ids Ltd            Location: 10, Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PD            Authority: Environment Agency, North East Region            Permit Reference: Ca1693            Dated: 13th March 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 (SW)	375	2	434360 561091
20	<p><b>Registered Radioactive Substances</b></p> <p>Name: Ids Ltd            Location: UNIT 10, 10 Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PD            Authority: Environment Agency, North East Region            Permit Reference: Bw5179            Dated: 1st December 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 (SW)	375	2	434360 561091
20	<p><b>Registered Radioactive Substances</b></p> <p>Name: Ids Ltd            Location: 10 Didcot Way, Boldon Business Park, Boldon Colliery, Tyne And Wear, NE35 9PD            Authority: Environment Agency, North East Region            Permit Reference: Bk5975            Dated: 6th April 2001            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Substantial 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 (SW)	375	2	434360 561091



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p><b>Registered Radioactive Substances</b></p> <p>Name: Ids Ltd            Location: 10 Didcot Way, Boldon Business Park, Boldon Colliery, Tyne And Wear, NE35 9PD            Authority: Environment Agency, North East Region            Permit Reference: Bk5967            Dated: 6th April 2001            Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)            Description: Substantial 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 (SW)	375	2	434360 561091
20	<p><b>Registered Radioactive Substances</b></p> <p>Name: Ids Ltd            Location: Unit 10, Didcot Way, Boldon Business Park, Boldon Colliery, Tyne And Wear, NE35 9PD            Authority: Environment Agency, North East Region            Permit Reference: Bi9332            Dated: 11th August 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 (SW)	375	2	434360 561091
20	<p><b>Registered Radioactive Substances</b></p> <p>Name: Ids Ltd            Location: Unit 10, Didcot Way, Boldon Business Park, Boldon Colliery, Tyne And Wear, NE35 9PD            Authority: Environment Agency, North East Region            Permit Reference: Bi9324            Dated: 11th August 2000            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 (SW)	375	2	434360 561091
20	<p><b>Registered Radioactive Substances</b></p> <p>Name: Ids Ltd            Location: Unit 10, Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne And Wear, NE35 9PD            Authority: Environment Agency, North East Region            Permit Reference: AH5345            Dated: 10th February 1993            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)            Description: Substantial 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 (SW)	375	2	434360 561091
20	<p><b>Registered Radioactive Substances</b></p> <p>Name: Ids Ltd            Location: Unit 10, Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne And Wear, NE35 9PD            Authority: Environment Agency, North East Region            Permit Reference: AC1172            Dated: 31st March 1991            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: Automatically positioned to the address</p>	A13SW (SW)	378	2	434360 561086
	<p><b>River Quality</b></p> <p>Name: Don            GQA Grade: River Quality C            Reach: Strother_House_Tidal_Limi            Estimated Distance (km): 8.1            Flow Rate: Flow less than 0.31 cumecs            Flow Type: River            Year: 2000</p>	A13SE (SE)	79	2	434757 561282

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<p><b>Water Abstractions</b></p> <p>Operator: North East Property Partnership Ltd  Licence Number: 1/23/05/028  Permit Version: 102  Location: Borehole - Coal Measures - Boldon  Authority: Environment Agency, North East Region  Abstraction: Business Parks: Lake &amp; Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Boldon Business Park, Tyne &amp; Wear  Authorised Start: 01 April  Authorised End: 31 March  Permit Start Date: 1st September 2006  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	758	2	433920 561110
21	<p><b>Water Abstractions</b></p> <p>Operator: North East Property Partnership Ltd  Licence Number: 1/23/05/028  Permit Version: 101  Location: Borehole - Coal Measures - Boldon  Authority: Environment Agency, North East Region  Abstraction: Business Parks: Lake &amp; Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Boldon Business Park, Tyne &amp; Wear  Authorised Start: 01 April  Authorised End: 31 March  Permit Start Date: 1st April 2004  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	758	2	433920 561110
21	<p><b>Water Abstractions</b></p> <p>Operator: One Northeast  Licence Number: 1/23/05/028  Permit Version: 100  Location: Borehole - Coal Measures - Boldon  Authority: Environment Agency, North East Region  Abstraction: Business Parks: Lake &amp; Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): 220  Yearly Rate (m3): 80300  Details: Boldon Business Park, Tyne &amp; Wear  Authorised Start: 01 April  Authorised End: 31 March  Permit Start Date: 2nd July 1999  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	758	2	433920 561110
22	<p><b>Water Industry Act Referrals</b></p> <p>Name: Hashimoto Ltd  Location: UNIT 5 DIDCOT WAY, BOLDON BUSINESS PARK, BOLDON COLLIERY, TYNE AND WEAR, NE35 9PD  Authority: Environment Agency, North East Region  Permit Reference: AV1696  Dated: 1st March 1996  Process Type: Permissions or amendments to discharge under the Water Industry Act 1991  Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations  <b>Status: Application received by the EA but is not yet authorised Not Yet Authorised</b>  Positional Accuracy: Automatically positioned to the address</p>	A13SW (W)	274	2	434384 561249
22	<p><b>Water Industry Act Referrals</b></p> <p>Name: Hashimoto Ltd  Location: UNIT 1 DIDCOT WAY, BOLDON BUSINESS PARK, BOLDON, TYNE AND WEAR, NE35 9PD  Authority: Environment Agency, North East Region  Permit Reference: AB4702  Dated: 31st October 1991  Process Type: Permissions or amendments to discharge under the Water Industry Act 1991  Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations  <b>Status: Application cancelled</b>  Positional Accuracy: Automatically positioned to the address</p>	A13SW (W)	276	2	434384 561244



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 5 Tyne and Tees Scale: 1:100,000	A13SW (SE)	0	2	434693 561363
	<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 (SE)	0	2	434693 561363
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13SW (SE)	0	4	434693 561363
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A13SW (SE)	0	4	434693 561363
23	<b>Source Protection Zones</b> Name: Fulwell Source: Environment Agency, Head Office Reference: Ne031 Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SE (E)	268	2	435012 561325
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	70	2	434750 561290
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	77	2	434815 561335
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	84	2	434817 561325
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	102	2	434850 561364
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (E)	103	2	434851 561365
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	106	2	434855 561367
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (E)	110	2	434859 561370
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	111	2	434860 561371
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	120	2	434850 561310
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	129	2	434870 561330
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	130	2	434869 561325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	131	2	434872 561330
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	131	2	434875 561340
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	139	2	434885 561350
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	139	2	434884 561345
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	142	2	434888 561350
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	143	2	434890 561355
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	144	2	434892 561355
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	147	2	434895 561360
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	148	2	434895 561360
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (E)	151	2	434900 561365
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	155	2	434904 561370
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (E)	166	2	434915 561380
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	167	2	434916 561380
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (E)	172	2	434920 561382
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SW (S)	215	2	434660 561114
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	75	2	434745 561280
	<b>Areas Benefiting from Flood Defences</b> None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
24	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Don Hydrographic Area: D013 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: RIVER DON (NORTHUMBRIA) Name: Water Course: 0143 Reference:	A13SE (SE)	94	2	434791 561278
	<b>Detailed River Network Offline Drainage</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Cleartop Limited            Location: Downhill Lane, Boldon, Tyne and Wear            Name: Downhill Quarry North            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD06287            First Input Date: 17th March 1980            Last Input Date: 28th April 1994            Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste            EA Waste Ref: 67442            Regis Ref: TWR/L/CLE002            WRC Ref: 4500/0150            BGS Ref: Not Supplied            Other Ref: ST 042, TW 058 ST, TW 085 ST, 4500/0298, ST 011</p>	A8SE (S)	908	2	434924 560463
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: South Tyneside Metropolitan Borough Council            - Has no landfill data to supply</p>		0	6	434693 561363



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Magnesian Limestone (Permian)	A13SW (SE)	0	4	434693 561363
	<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 (SE)	0	4	434693 561363
	<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	A13SE (SE)	56	4	434737 561296
	<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	A13NW (N)	79	4	434674 561464
	<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	A13SE (SE)	84	4	434786 561291
	<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	A13SE (SE)	121	4	434841 561295
	<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	A13NW (NW)	132	4	434535 561438

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:	A13SE (SE)	133	4	434821 561261
	<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:	A13SE (SE)	133	4	434829 561269
	<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:	A13SW (SW)	145	4	434549 561224
	<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:	A13SW (SW)	153	4	434513 561262
	<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:	A13SE (SE)	162	4	434845 561238
	<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 (E)	163	4	434910 561396



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:	A13NW (W)	172	4	434490 561440
	<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 (E)	179	4	434916 561437
	<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 (E)	184	4	434925 561427
	<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:	A13SE (SE)	193	4	434804 561187
	<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:	A13SE (SE)	203	4	434878 561219
	<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:	A13SE (SE)	232	4	434941 561245

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:	A13SE (SE)	236	4	434934 561228
	<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:	A13SW (S)	239	4	434677 561091
	<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:	A13SE (SE)	241	4	434794 561130
	<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)	248	4	434917 561564
	<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)	250	4	434943 561536
	<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)	250	4	434898 561586



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:	A13SE (E)	251	4	435000 561363
	<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:	A13SE (E)	256	4	435000 561329
	<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 (E)	257	4	435000 561427
	<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)	265	4	434983 561498
	<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 (E)	266	4	435014 561396
	<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 (E)	273	4	435010 561455

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:	A13SE (S)	274	4	434706 561061
	<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 (E)	274	4	435018 561426
	<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 (E)	275	4	435002 561481
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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 (E)	275	4	435020 561421
	<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 (E)	275	4	435002 561481
	<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 (E)	275	4	435000 561487



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13SE (E)	276	4	434998 561256
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13SE (E)	276	4	435000 561261
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13NE (NE)	276	4	434996 561497
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13NE (NE)	280	4	435000 561497
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13NE (E)	283	4	435026 561432
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14NW (E)	284	4	435032 561381

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A12NE (W)	292	4	434353 561414
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13NW (NW)	294	4	434395 561521
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13SE (S)	295	4	434723 561043
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13SE (SE)	299	4	434983 561189
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13SE (SE)	299	4	435000 561212
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13NE (NE)	310	4	435000 561559



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SW (E)	312	4	435056 561319
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (S)	321	4	434744 561022
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SW (E)	324	4	435063 561297
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13NE (NE)	325	4	435000 561585
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NW (S)	329	4	434638 561000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NW (S)	329	4	434681 561000

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 (W)	329	4	434316 561411
	<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)	330	4	434693 561000
	<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)	336	4	435070 561276
	<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:	A8NE (S)	337	4	434723 561000
	<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:	A13SE (SE)	344	4	435000 561141
	<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:	A8NE (S)	348	4	434764 561000



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:	A8NE (S)	355	4	434784 561000
	<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)	365	4	434690 560966
	<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)	371	4	435000 561657
	<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)	381	4	434458 561000
	<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:	A8NE (S)	398	4	434801 560960
	<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)	408	4	435105 561573

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NW (SW)	408	4	434402 561005
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	410	4	434936 561010
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NW (SW)	411	4	434404 561000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	414	4	434937 561006
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	420	4	434937 561000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	421	4	434939 561000



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)	423	4	434945 561000
	<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:	A8NE (S)	427	4	434820 560937
	<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:	A8NE (S)	440	4	434794 560913
	<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:	A8NE (SE)	449	4	434996 561000
	<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:	A8NE (SE)	452	4	435000 561000
	<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)	458	4	435000 560993

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:	A14NW (E)	473	4	435188 561550
	<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:	A9NW (SE)	490	4	435083 561018
	<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)	490	4	434503 560861
	<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)	490	4	435000 560954
	<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)	491	4	434286 561000
	<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 (S)	498	4	434867 560880



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NW (SE)	503	4	435083 561000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A12SE (SW)	504	4	434180 561142
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NW (SE)	506	4	435083 560996
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NE (SW)	536	4	434228 561000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14NW (NE)	544	4	435246 561594
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (S)	564	4	434769 560777

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:	A8NW (S)	573	4	434466 560786
	<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)	591	4	434412 560788
	<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)	595	4	434411 560784
	<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)	603	4	434693 562000
	<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)	605	4	434690 562000
	<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:	A18SE (N)	609	4	434845 561996



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18SE (N)	611	4	434833 562000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18SE (N)	617	4	434865 562000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A19SW (NE)	631	4	435259 561748
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A19SW (NE)	631	4	435237 561780
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A19SW (NE)	632	4	435286 561708
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A12SW (W)	639	4	434000 561363

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:	A12NW (W)	640	4	434000 561382
	<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:	A8NE (S)	641	4	434924 560749
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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)	641	4	435325 561655
	<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:	A8NE (S)	656	4	434812 560693
	<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:	A18SE (NE)	659	4	435000 562000
	<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)	669	4	434978 560744



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)	669	4	434989 560749
	<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)	676	4	434673 562070
	<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)	679	4	434996 560741
	<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:	A8NE (SE)	681	4	434962 560723
	<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)	682	4	435000 560740
	<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)	686	4	435000 560735

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:	A18NE (N)	689	4	434701 562085
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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)	693	4	435388 561641
	<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:	A9NW (SE)	695	4	435334 561000
	<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:	A8NE (S)	696	4	434956 560703
	<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:	A8NE (SE)	698	4	435007 560725
	<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:	A8NE (S)	700	4	434953 560698



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A19SW (NE)	700	4	435091 562000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NW (SE)	701	4	435116 560778
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SW (SW)	707	4	434387 560673
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14NE (E)	717	4	435413 561645
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	718	4	435019 560709
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SE (S)	720	4	434744 560615

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NW (SW)	728	4	434000 561000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	729	4	435026 560700
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18NE (NE)	730	4	435000 562078
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SW (SW)	733	4	434382 560647
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SE (S)	738	4	434954 560656
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A19NW (NE)	753	4	435037 562087

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:	A9SW (SE)	754	4	435038 560678
	<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)	789	4	434283 560631
	<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)	796	4	435000 562148
	<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:	A9SW (SE)	798	4	435139 560678
	<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:	A9SW (SE)	799	4	435139 560678
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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)	822	4	435520 561659



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:	A17SW (NW)	829	4	434011 561892
	<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:	A9SW (SE)	832	4	435042 560594
	<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:	A17SW (NW)	846	4	434000 561905
	<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)	847	4	434750 562244
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 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)	850	4	435548 561663
	<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:	A8SE (S)	852	4	434869 560505

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:	A9NE (SE)	861	4	435524 561000
	<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)	872	4	434298 560531
	<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:	A9NW (SE)	872	4	435340 560734
	<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)	877	4	435606 561559
	<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)	887	4	434256 560534
	<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)	891	4	434028 562000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NE (SE)	907	4	435412 560757
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A17SW (NW)	911	4	434000 562000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14NE (E)	912	4	435651 561509
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SE (S)	919	4	434777 560419
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A19NW (NE)	920	4	435367 562065
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18NE (N)	931	4	434907 562312



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:	A14NE (E)	933	4	435681 561406
	<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:	A17SW (NW)	956	4	433928 561991
	<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:	A17SW (NW)	962	4	433929 562000
	<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:	A17SW (NW)	967	4	433922 562000
	<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)	969	4	434885 562354
	<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:	A14SE (E)	978	4	435692 561117

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:	A15SW (E)	979	4	435728 561363
	<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)	981	4	435509 562000
	<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:	A17SW (NW)	992	4	433833 561929
26	<b>BGS Recorded Mineral Sites</b> Site Name: West Boldon Location: , Bolden, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99191 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Upper Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SE (S)	276	4	434763 561077
27	<b>BGS Recorded Mineral Sites</b> Site Name: North Lane Bridge Location: , Bolden, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99143 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Permian Geology: Raisby Formation (Lower Magnesian Limestone) Commodity: Dolomite Positional Accuracy: Located by supplier to within 10m	A14SW (E)	342	4	435052 561217
28	<b>BGS Recorded Mineral Sites</b> Site Name: West Boldon Brick Works Location: , Bolden, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99192 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Upper Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	452	4	434350 560991

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: West Boldon            Location: , West Boldon, South Shields, Tyne &amp; Wear            Source: British Geological Survey, National Geoscience Information Service            Reference: 99148            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Unknown Operator            Periodic Type: Permian            Geology: Raisby Formation (Lower Magnesian Limestone)            Commodity: Dolomite            Positional Accuracy: Located by supplier to within 10m</p>	A8SE (SE)	725	4	434988 560687
30	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Boldon Colliery Brick Works            Location: , Boldon, South Shields, Tyne &amp; Wear            Source: British Geological Survey, National Geoscience Information Service            Reference: 99189            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</p>	A18NE (N)	849	4	434811 562243
31	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Boldon Colliery            Location: , Boldon, South Shields, Tyne &amp; Wear            Source: British Geological Survey, National Geoscience Information Service            Reference: 99190            Type: Underground  <b>Status: Ceased</b>            Operator: Ncb North East Area            Operator Location: Ncb North East Area, Coal House, Team Valley, Gateshead, Tyne &amp; Wear, Ne11 0jd            Periodic Type: Carboniferous            Geology: Pennine Upper Coal Measures Formation            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	887	4	434655 562280
32	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Robinson'S Quarry            Location: , West Boldon, South Shields, Tyne &amp; Wear            Source: British Geological Survey, National Geoscience Information Service            Reference: 99150            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Unknown Operator            Periodic Type: Permian            Geology: Roker Formation (Upper Magnesian Limestone)            Commodity: Dolomite            Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	917	4	435213 560585
33	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: West Boldon            Location: , West Boldon, South Shields, Tyne &amp; Wear            Source: British Geological Survey, National Geoscience Information Service            Reference: 99149            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Unknown Operator            Periodic Type: Permian            Geology: Roker Formation (Upper Magnesian Limestone)            Commodity: Dolomite            Positional Accuracy: Located by supplier to within 10m</p>	A9SE (SE)	947	4	435386 560675
	<p><b>BGS Measured Urban Soil Chemistry</b></p> <p>No data available</p>				
	<p><b>BGS Urban Soil Chemistry Averages</b></p> <p>No data available</p>				
	<p><b>Coal Mining Affected Areas</b></p> <p>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.</p>	A13SW (SE)	0	5	434693 561363



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (SE)	0	-	434693 561363
	<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 (SE)	0	4	434693 561363
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	84	4	434786 561291
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	434693 561363
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	84	4	434786 561291
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	133	4	434821 561261
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	179	4	434916 561437
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	434693 561363
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	434693 561363
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	125	4	434783 561251
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	168	4	434914 561340
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	187	4	434732 561161
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	434693 561363
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	84	4	434786 561291
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	133	4	434821 561261
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	162	4	434845 561238
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	434693 561363
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	56	4	434737 561296
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	133	4	434829 561269
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	163	4	434910 561396

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Radon Potential - Radon Protection Measures</b></p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	A13SW (SE)	0	4	434693 561363
	<p><b>Radon Potential - Radon Affected Areas</b></p> <p>Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	A13SW (SE)	0	4	434693 561363

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Boldon Waste Removals            Location: 198, Arnold Street, Boldon Colliery, Tyne and Wear, NE35 9AZ            Classification: Rubbish Clearance  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	97	-	434782 561482
35	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Joseph'S Hardware            Location: 45, North Road, Boldon Colliery, Tyne and Wear, NE35 9AX            Classification: Hardware  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (N)	159	-	434685 561548
36	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Petmeals            Location: 24, East View, Boldon Colliery, Tyne and Wear, NE35 9AU            Classification: Pet Foods &amp; Animal Feeds  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (N)	198	-	434634 561568
36	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Boldon Domestic Appliances Ltd            Location: 27, North Road, East Boldon, Tyne and Wear, NE36 0DJ            Classification: Domestic Appliances - Servicing, Repairs &amp; Parts  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (N)	224	-	434657 561607
37	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Feltec Europe Ltd            Location: 1-7, Didcot Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PD            Classification: Car Component Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (W)	274	-	434384 561249
38	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Johnson Cleaners (Uk) Ltd            Location: North Road, Boldon Colliery, Tyne and Wear, NE35 9AR            Classification: Dry Cleaners  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (NW)	289	-	434489 561598
38	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Klick Photopoint            Location: North Road, Boldon Colliery, Tyne and Wear, NE35 9AR            Classification: Photographic Processors  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (NW)	289	-	434489 561598
38	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Klick            Location: North Road, Boldon Colliery, Tyne and Wear, NE35 9AR            Classification: Photographic Processors  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (NW)	289	-	434489 561598
39	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Arc Clean Car Centre            Location: Asda Filling Station North Road, Boldon Colliery, Tyne And Wear, NE35 9AR            Classification: Car Washing &amp; Polishing Equipment &amp; Supplies  <b>Status: Active</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A13NW (N)	290	-	434623 561664
40	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Four Seasons            Location: 16, Prospect Gardens, West Boldon, East Boldon, Tyne and Wear, NE36 0JQ            Classification: Cleaning Services - Domestic  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	384	-	435105 561233
41	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A C Yule            Location: Unit 11, Burford Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PZ            Classification: Aluminium Fabricators  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (W)	402	-	434237 561352



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	<b>Contemporary Trade Directory Entries</b> Name: Cooper Sunderland Location: Newcastle Road, West Boldon, East Boldon, Tyne and Wear, NE36 0BQ Classification: Car Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	458	-	434354 560979
42	<b>Contemporary Trade Directory Entries</b> Name: Cooper B M W Location: Newcastle Road, West Boldon, East Boldon, Tyne and Wear, NE36 0BQ Classification: Car Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	458	-	434354 560979
43	<b>Contemporary Trade Directory Entries</b> Name: A-Line Location: A-Line House Unit 14, Witney Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PE Classification: Cleaning Services - Commercial <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (W)	468	-	434179 561267
43	<b>Contemporary Trade Directory Entries</b> Name: Maquet Location: 14-15, Burford Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PZ Classification: Medical Equipment Maintenance & Repairs <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12SE (W)	468	-	434179 561267
43	<b>Contemporary Trade Directory Entries</b> Name: C P Engineering Ltd Location: Unit 15, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Precision Engineers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (W)	495	-	434152 561261
43	<b>Contemporary Trade Directory Entries</b> Name: F M Coatings Location: Unit 15, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Commercial Vehicle Component Manufacturers <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A12SE (W)	495	-	434152 561261
43	<b>Contemporary Trade Directory Entries</b> Name: M & S Automotive Coating Location: Unit 8, Burford Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PZ Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	513	-	434130 561290
44	<b>Contemporary Trade Directory Entries</b> Name: Hla Services Location: 1, Boldon Court, Burford Way, Boldon Colliery, Tyne and Wear, NE35 9PY Classification: Air Conditioning & Refrigeration Contractors <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12NE (W)	479	-	434177 561477
44	<b>Contemporary Trade Directory Entries</b> Name: Coolrite Refrigeration Location: 1, Boldon Court, Burford Way, Boldon Colliery, Tyne and Wear, NE35 9PY Classification: Refrigeration Equipment Manufacturers & Distributors <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12NE (W)	479	-	434177 561477
45	<b>Contemporary Trade Directory Entries</b> Name: Northumbria Optical Coatings Ltd Location: Unit 10, Burford Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PZ Classification: Optical Goods - Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A12SE (W)	481	-	434158 561343
45	<b>Contemporary Trade Directory Entries</b> Name: Nw Printers Location: Unit 8, Burford Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PZ Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (W)	519	-	434120 561334

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Full Steam Ahead Ironing            Location: 5, Dunelm Grange, Boldon Colliery, Tyne and Wear, NE35 9AB            Classification: Ironing &amp; Home Laundry Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (NW)	488	-	434261 561660
47	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: M &amp; S Prestige &amp; Specialist Ltd            Location: North Rd, Boldon Colliery, Tyne And Wear, NE35 9AF            Classification: Garage Services  <b>Status: Active</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A18SW (N)	542	-	434486 561879
47	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Steve Watson Coachworks Ltd            Location: North Road, Boldon Colliery, Tyne and Wear, NE35 9AF            Classification: Car Body Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	578	-	434498 561924
48	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Springfield Suzuki            Location: Bank Top Garage, Addison Road, West Boldon, East Boldon, Tyne and Wear, NE36 0QZ            Classification: Car Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	544	-	435152 561010
48	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Boldon Autoport Ltd            Location: Bank Top Garage, Addison Road, West Boldon, East Boldon, Tyne and Wear, NE36 0QZ            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	544	-	435152 561010
49	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Johnson Electric International (Uk) Ltd            Location: Unit 5, Woodstock Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PF            Classification: Electrical Goods Sales, Manufacturers &amp; Wholesalers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (W)	555	-	434124 561142
50	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Henry Halsteads Ltd            Location: Unit 2, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ            Classification: Nuts, Bolts &amp; Fixings  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	566	-	434080 561444
50	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Finning Uk Ltd            Location: Unit 3, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ            Classification: Plant &amp; Machinery Repairs  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	604	-	434041 561433
50	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Lex Harvey Ltd            Location: Unit 3, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ            Classification: Fork Lift Trucks  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	604	-	434041 561433
50	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A1 Refrigeration Installations            Location: 3, Boldon Court, Burford Way, Boldon Colliery, Tyne and Wear, NE35 9PY            Classification: Air Conditioning &amp; Refrigeration Contractors  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	604	-	434041 561433
51	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Mill Car Clinic            Location: Unit 5, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ            Classification: Car Body Repairs  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (W)	575	-	434065 561352

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Springfield Suzuki            Location: Addison Rd, West Boldon, East Boldon, Tyne and Wear, NE36 0QZ            Classification: Car Dealers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A14SW (SE)	577	-	435260 561108
53	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Gary Owens            Location: 9, Addison Road, West Boldon, East Boldon, Tyne and Wear, NE36 0QY            Classification: Domestic Appliances - Servicing, Repairs &amp; Parts  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	603	-	435330 561216
54	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Aquarius Doors            Location: 68, Leander Drive, Boldon Colliery, Tyne and Wear, NE35 9LS            Classification: Door Manufacturers - Industrial  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	608	-	434176 561745
55	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Johnson Electric International (Uk) Ltd            Location: Unit 5, Woodstock Way, Boldon Business Park, Boldon Colliery, Tyne And Wear, NE35 9PF            Classification: Electrical Goods Sales, Manufacturers &amp; Wholesalers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A12SE (W)	612	-	434066 561136
56	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ex Pest            Location: 7, Ruskin Drive, Boldon Colliery, Tyne and Wear, NE35 9DU            Classification: Pest &amp; Vermin Control  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	613	-	435234 561754
56	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ex-Pest            Location: 7, Ruskin Drive, Boldon Colliery, Tyne and Wear, NE35 9DU            Classification: Pest &amp; Vermin Control  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	613	-	435234 561754
57	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Hygiene Cleaning            Location: 27, Simpson Close, Boldon Colliery, Tyne and Wear, NE35 9JP            Classification: Cleaning Services - Domestic  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	640	-	434301 561895
58	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Titan            Location: 19 Witney Way, Boldon Business Pk, Boldon Colliery, Tyne and Wear, NE35 9PE            Classification: Fishing &amp; Angling Equipment - Manufacturers &amp; Distributors  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A12SW (W)	647	-	434012 561190
58	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Invitech Ltd            Location: 20 Witney Way, Boldon Business Park, Boldon Colliery, Tyne &amp; Wear, NE35 9PE            Classification: Chemical Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A12SW (W)	652	-	434012 561173
58	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Kvasir Group            Location: Unit 16, Witney Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PE            Classification: Marine Electrical Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	677	-	433978 561205
58	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Netgenium Systems            Location: Unit 15, Witney Way, Boldon Business Pk, Boldon Colliery, Tyne and Wear, NE35 9PE            Classification: Electrical Goods Sales, Manufacturers &amp; Wholesalers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A12SW (W)	692	-	433964 561201



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: T F Shipping Ltd            Location: The Quadrus Centre, Woodstock Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PF            Classification: Freight Forwarders  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SW (SW)	716	-	433980 561068
60	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: P D Tuning            Location: 18 Bensham St, Boldon Colliery, Tyne And Wear, NE35 9LN            Classification: Car Engine Tuning &amp; Diagnostic Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	734	-	434566 562111
60	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Euroserv            Location: Unit 15, Bensham St, Boldon Colliery, Tyne and Wear, NE35 9LN            Classification: Electric Motor Sales &amp; Service  <b>Status: Active</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	736	-	434550 562109
60	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Sapphire Engineering Ne Ltd            Location: Unit 3, Bensham Street, Boldon Colliery, Tyne and Wear, NE35 9LN            Classification: Engineering Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	740	-	434516 562103
61	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: P D Tuning            Location: 18, Bensham Street, Boldon Colliery, Tyne and Wear, NE35 9LN            Classification: Car Engine Tuning &amp; Diagnostic Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	750	-	434584 562132
61	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Oliver'S Pet Cuisine            Location: 17, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW            Classification: Pet Foods &amp; Animal Feeds  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	794	-	434582 562177
62	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ultimate Moto            Location: Unit 19, Bensham St, Boldon Colliery, Tyne And Wear, NE35 9LN            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A18NW (N)	767	-	434548 562141
62	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Lg Mot            Location: Unit 20, Bensham Street, Boldon Colliery, Tyne and Wear, NE35 9LN            Classification: Mot Testing Centres  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	768	-	434548 562141
62	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Servicemaster            Location: Unit 20, Bensham Street, Boldon Colliery, Tyne and Wear, NE35 9LN            Classification: Carpet, Curtain &amp; Upholstery Cleaners  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	768	-	434548 562141
62	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ipc Technology            Location: 12, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW            Classification: Computer Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	800	-	434549 562175
62	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Teledata            Location: 11, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW            Classification: Telecommunications Equipment &amp; Systems  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18NW (N)	801	-	434537 562173

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A P Extrusions Ltd            Location: 10, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW            Classification: Plastics - Extrusion  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	804	-	434524 562173
63	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Mtechnic Fabrications            Location: Unit 10, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ            Classification: Metal Products - Fabricated  <b>Status: Active</b>            Positional Accuracy: Manually positioned to the address or location</p>	A12NW (W)	791	-	433880 561576
63	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Autoweld Systems            Location: Unit 10, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ            Classification: Oil &amp; Gas Exploration Supplies &amp; Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	791	-	433880 561576
64	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Hne Huntleigh Ltd            Location: Unit 11B, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ            Classification: Medical Equipment Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	824	-	433867 561638
65	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Indico Ltd            Location: 3, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW            Classification: Adhesives, Glues &amp; Sealants  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	850	-	434578 562232
65	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Artistic Blacksmith Components            Location: 5, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW            Classification: Wrought Ironwork  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	853	-	434556 562231
65	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Dj            Location: 5-6, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW            Classification: Ornamental Metalwork  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	853	-	434556 562231
66	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Tyne &amp; Wear Domestic Appliances            Location: Downhill Farm, Downhill Lane, West Boldon, East Boldon, Tyne and Wear, NE36 0AX            Classification: Domestic Appliances - Servicing, Repairs &amp; Parts  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	890	-	434768 560447
67	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: T &amp; D Williams Ltd            Location: 22 &amp; 58, Hedworth Lane, Boldon Colliery, Tyne and Wear, NE35 9HT            Classification: Electrical Goods Sales, Manufacturers &amp; Wholesalers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A17NE (NW)	933	-	434297 562221
68	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Safeclean            Location: 38, Dunelm Drive, West Boldon, East Boldon, Tyne and Wear, NE36 0HJ            Classification: Carpet, Curtain &amp; Upholstery Cleaners  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A14NE (E)	954	-	435688 561537
69	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ian Forster            Location: Testo's Roundabout, Newcastle Rd, West Boldon, East Boldon, Tyne and Wear, NE36 0BG            Classification: Car Dealers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NW (SW)	959	-	433761 560964

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Daktron Electronics Ltd            Location: 3, Claremount Court, West Boldon, East Boldon, Tyne and Wear, NE36 0NF            Classification: Electronic Component Manufacturers &amp; Distributors  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	980	-	435674 561053
70	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: C W Industries            Location: 3, Claremount Court, West Boldon, East Boldon, Tyne and Wear, NE36 0NF            Classification: Electronic Engineers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	980	-	435674 561053
71	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Testo'S Caravans            Location: Newcastle Road, West Boldon, East Boldon, Tyne and Wear, NE36 0BG            Classification: Caravan Dealers &amp; Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7NW (W)	994	-	433712 560992
72	<p><b>Fuel Station Entries</b></p> <p>Name: Asda Boldon Automat            Location: North Road, Boldon Colliery, Tyne &amp; Wear, NE35 9AR            Brand: ASDA            Premises Type: Hypermarket  <b>Status: Open</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13NW (W)	272	-	434383 561444
73	<p><b>Fuel Station Entries</b></p> <p>Name: Bank Top Garage (Springfield)            Location: Addison Road, West Boldon, East BOLDON, Tyne &amp; Wear, NE36 0RA            Brand: Obsolete            Premises Type: Not Applicable  <b>Status: Obsolete</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A14SW (SE)	510	-	435129 561035



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	<b>Areas of Adopted Green Belt</b> Authority: South Tyneside Metropolitan Borough Council, Planning Department Plan Name: Core Strategy Status: <b>Adopted</b> Plan Date: 30th June 2007	A8NE (S)	421	6	434810 560940
75	<b>Areas of Adopted Green Belt</b> Authority: South Tyneside Metropolitan Borough Council, Planning Department Plan Name: Core Strategy Status: <b>Adopted</b> Plan Date: 30th June 2007	A12NW (W)	838	6	433813 561493

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> South Tyneside Metropolitan Borough Council - Neighbourhood Services Gateshead Metropolitan Borough Council - Environmental Health Department North Tyneside Metropolitan Borough Council - Environmental Health Department Sunderland City Metropolitan Borough Council - Environmental Health Department	December 2014 July 2013 October 2013 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually
<b>Discharge Consents</b> Environment Agency - North East Region	January 2015	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	January 2015	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 South Tyneside Metropolitan Borough Council - Environmental Health Department	April 2014 February 2013 July 2013 September 2012	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 Sunderland City Metropolitan Borough Council - Environmental Health Department Gateshead Metropolitan Borough Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Environmental Health Department	April 2014 July 2013 October 2014 September 2012	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 Sunderland City Metropolitan Borough Council - Environmental Health Department Gateshead Metropolitan Borough Council - Environmental Health Department South Tyneside Metropolitan Borough Council - Environmental Health Department	April 2014 July 2013 October 2014 September 2012	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	January 2015	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	January 2015 January 2015	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - North East Region	October 2014	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North East Region	January 2015	Quarterly

Agency & Hydrological	Version	Update Cycle
<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	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	January 2015	As notified
<b>Source Protection Zones</b> Environment Agency - Head Office	January 2015	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	October 2014	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	October 2014	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	October 2014	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	October 2014	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	October 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	February 2015 February 2015	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	August 2014 August 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	November 2014 November 2014	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> 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	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> 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	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	January 2015	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	October 2014	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> Gateshead Metropolitan Borough Council - Development Control South Tyneside Metropolitan Borough Council - Planning Department Sunderland City Metropolitan Borough Council - Planning North Tyneside Metropolitan Borough Council - Development Function	December 2014 December 2014 March 2014 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Gateshead Metropolitan Borough Council - Development Control South Tyneside Metropolitan Borough Council - Planning Department Sunderland City Metropolitan Borough Council - Planning North Tyneside Metropolitan Borough Council - Development Function	December 2014 December 2014 March 2014 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update

Geological	Version	Update Cycle
<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	October 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	July 2014	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	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	November 2014	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	November 2014	Quarterly

Sensitive Land Use	Version	Update Cycle
<b>Areas of Adopted Green Belt</b> Gateshead Metropolitan Borough Council - Development Control North Tyneside Metropolitan Borough Council South Tyneside Metropolitan Borough Council - Planning Department Sunderland City Metropolitan Borough Council - Planning	February 2015 February 2015 February 2015 February 2015	As notified As notified As notified As notified
<b>Areas of Unadopted Green Belt</b> Gateshead Metropolitan Borough Council - Development Control North Tyneside Metropolitan Borough Council South Tyneside Metropolitan Borough Council - Planning Department Sunderland City Metropolitan Borough Council - Planning	February 2015 February 2015 February 2015 February 2015	As notified As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	February 2015	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	October 2014	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Nature Reserves</b> Natural England	September 2014	Bi-Annually
<b>National Parks</b> Natural England	February 2015	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	September 2014	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	March 2014	Bi-Annually
<b>Special Protection Areas</b> Natural England	September 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>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
3	<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: www.s-tyneside-mbc.gov.uk
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: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	<b>The Coal Authority - Mining Report Service</b> 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
6	<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: www.s-tyneside-mbc.gov.uk
7	<b>Sunderland City Metropolitan Borough Council - Planning</b> PO Box 107, Civic Centre, Sunderland, Tyne & Wear, SR2 7DN	Telephone: 0191 553 1000 Fax: 0191 553 1099 Website: www.sunderland.gov.uk
8	<b>Natural England</b> Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

# **APPENDIX IV**

## **Conceptual Site Model (CSM)**



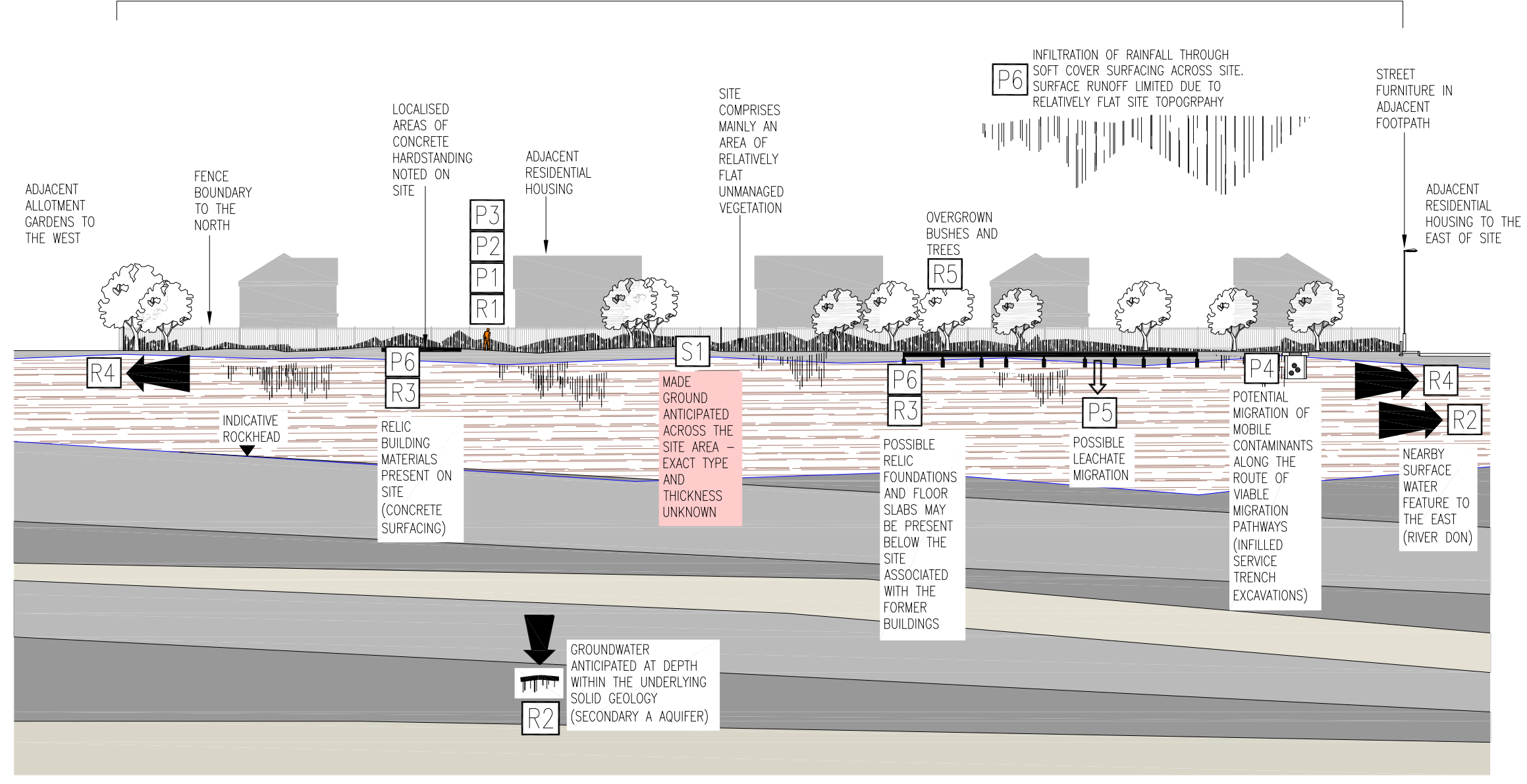
STRATA DETAILS	CSM SYMBOLS & EXPLANATIONS	CRITICAL POLLUTANT LINKAGES						
<p><b>MADE GROUND:</b> ACCORDING TO PUBLISHED BGS DATA THE SITE IS NOT RECORDED TO BE UNDERLAIN BY SIGNIFICANT THICKNESSES OF MADE GROUND DEPOSITS. HOWEVER, MADE GROUND MAY BE PRESENT BELOW THE SITE ASSOCIATED WITH PREVIOUS SITE HISTORY (I.E. DEMOLITION OF THE FORMER BUILDINGS)</p> <p><b>DRIFT DEPOSITS:</b> BGS PLANS INDICATE THAT THE SITE IS UNDERLAIN BY THE PELAW CLAY MEMBER, WHICH TYPICALLY COMPRISES SILTY CLAY. AN AREA OF SOLID OUTCROP IS NOTED C.50M SOUTH EAST OF THE SITE</p> <p><b>SOLID GEOLOGY:</b> FROM PUBLISHED GEOLOGICAL PLANS, THE SOLID GEOLOGY UNDERLYING THE SITE IS SHOWN TO COMPRISE THE UPPER COAL MEASURES DEPOSITED DURING THE PERIOD OF THE EARTH'S HISTORY KNOWN AS THE CARBONIFEROUS. THESE TYPICALLY COMPRISE CYCLICAL ALTERNATIONS OF SANDSTONE, MUDROCKS, SEATEARTHS AND COAL SEAMS. THE SITE LIES IN A COMPLEX GEOLOGICAL AREA WITH FAULTING SURROUNDING THE SITE</p> <p>SEE SECTION</p>	 GROUNDWATER ANTICIPATED TO BE PRESENT AT DEPTH WITHIN THE SOLID GEOLOGY (PRINCIPAL AQUIFER)	<table border="1"> <thead> <tr> <th data-bbox="1513 126 1662 336">SOURCE</th> <td data-bbox="1662 126 2315 336">1. POTENTIAL AREAS OF MADE GROUND ASSOCIATED WITH THE PREVIOUS SITE HISTORY (I.E. DEMOLITION OF THE FORMER BUILDINGS ON SITE)</td> </tr> <tr> <th data-bbox="1513 336 1662 567">PATHWAY</th> <td data-bbox="1662 336 2315 567">           1. INGESTION            2. INHALATION OF INDOOR / OUTDOOR AIR            3. DERMAL CONTACT            4. MIGRATION THROUGH GROUNDED AND EXISTING SERVICES            5. SURFACE RUN OFF AND LEACHATE MIGRATION            6. DIRECT CONTACT WITH BUILDING MATERIALS         </td> </tr> <tr> <th data-bbox="1513 567 1662 829">RECEPTOR</th> <td data-bbox="1662 567 2315 829">           1. HUMAN HEALTH (END USERS AND CONSTRUCTION WORKERS)            2. GROUNDWATER IN SECONDARY A AQUIFER AND RIVER DON TO THE EAST            3. BUILDING MATERIALS*            4. ADJACENT SITES            5. FLORA AND FAUNA*         </td> </tr> </thead> </table> <p style="text-align: right; font-size: small;">* = Not included in the Human Health &amp; Controlled Waters Risk Assessment</p>	SOURCE	1. POTENTIAL AREAS OF MADE GROUND ASSOCIATED WITH THE PREVIOUS SITE HISTORY (I.E. DEMOLITION OF THE FORMER BUILDINGS ON SITE)	PATHWAY	1. INGESTION 2. INHALATION OF INDOOR / OUTDOOR AIR 3. DERMAL CONTACT 4. MIGRATION THROUGH GROUNDED AND EXISTING SERVICES 5. SURFACE RUN OFF AND LEACHATE MIGRATION 6. DIRECT CONTACT WITH BUILDING MATERIALS	RECEPTOR	1. HUMAN HEALTH (END USERS AND CONSTRUCTION WORKERS) 2. GROUNDWATER IN SECONDARY A AQUIFER AND RIVER DON TO THE EAST 3. BUILDING MATERIALS* 4. ADJACENT SITES 5. FLORA AND FAUNA*
SOURCE	1. POTENTIAL AREAS OF MADE GROUND ASSOCIATED WITH THE PREVIOUS SITE HISTORY (I.E. DEMOLITION OF THE FORMER BUILDINGS ON SITE)							
PATHWAY	1. INGESTION 2. INHALATION OF INDOOR / OUTDOOR AIR 3. DERMAL CONTACT 4. MIGRATION THROUGH GROUNDED AND EXISTING SERVICES 5. SURFACE RUN OFF AND LEACHATE MIGRATION 6. DIRECT CONTACT WITH BUILDING MATERIALS							
RECEPTOR	1. HUMAN HEALTH (END USERS AND CONSTRUCTION WORKERS) 2. GROUNDWATER IN SECONDARY A AQUIFER AND RIVER DON TO THE EAST 3. BUILDING MATERIALS* 4. ADJACENT SITES 5. FLORA AND FAUNA*							



**ARC ENVIRONMENTAL LTD**  
 Solum House  
 Unit 1 Elliott Court  
 St. John's Road  
 Meadowfield  
 Durham, DH7 8PN  
 Tel: (0191) 378 6380  
 Fax: (0191) 378 0494  
 e-mail: admin@arc-environmental.com  
 web: www.arc-environmental.com

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.  
 © Copyright Reserved

INDICATIVE SECTION THROUGH SITE USING AN APPROXIMATE SOUTH THROUGH NORTH ORIENTATION



rev.	date	amendments	drawn	chckd
------	------	------------	-------	-------

Client:  
**HUSBAND AND BROWN**

Project Title:  
 Proposed Residential Development  
 Land Adjacent to North Road  
 Boldon Colliery, Tyne and Wear, NE35 9AX

Drawing Title:  
 Conceptual Site Model

Scale at A3: NTS @ A3	Date: 30.03.15	Drawn by: P.D	Approved by: S.D
--------------------------	-------------------	------------------	---------------------

Job Ref: 15-171	Drg no: -	Rev: -
--------------------	--------------	-----------